
DICOM

Conformance Statement

ClearVue 350/550/580 2.0 and
ClearVue 650 1.0

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0.1**REVISION HISTORY**

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| A | 02-10-2012 | Savitha Sreevatsa | Initial Release |
| B | 17-12-2012 | Savitha Sreevatsa | Updated the document with changes as recommended by IOCC testing. |
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1 CONFORMANCE STATEMENT OVERVIEW

The Philips ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Ultrasound systems implement the necessary DICOM® services to download worklists from an information system, save acquired US Images and Structured Reports to a network storage device, CD/DVD or USB, print to a networked hardcopy device and inform the information system about the work actually done.

NOTE: This DICOM Conformance Statement applies to ClearVue 350 2.0, ClearVue 550 2.0, ClearVue 580 2.0 and ClearVue 650 1.0 systems unless a note is present describing any different behavior or support.

Table 1 provides an overview of the supported network services.

**Table 1
NETWORK SERVICES**

| Networking SOP Classes | User of Service (SCU) | Provider of Service (SCP) |
|-------------------------------------|------------------------------|----------------------------------|
| Transfer | | |
| Ultrasound Image Storage | Yes* | No |
| Ultrasound Multiframe Image Storage | Yes* | No |
| Storage Commitment Push Model | Yes* | No |
| Comprehensive SR | Yes* | No |
| Workflow Management | | |
| Modality Worklist | Yes* | No |
| Modality Performed Procedure Step | Yes* | No |
| Print Management | | |
| Basic Grayscale Print Management | Yes* | No |
| Basic Color Print Management | Yes* | No |

* Purchasable option.

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Table 2 below specifies the Media Storage Application Profiles supported.

**Table 2
MEDIA SERVICES**

| Media Storage Application Profile | Write Files (FSC or FSU) | Read Files (FSR) |
|---|--------------------------|--------------------|
| Compact Disk - Recordable | | |
| STD-US-SC-MF ⁽¹⁾ -CD-R for Ultrasound images, compressed and uncompressed | Yes / Yes ⁽²⁾ | Yes ⁽³⁾ |
| STD-GEN-CD for Structured Reports | Yes / Yes ⁽²⁾ | No |
| DVD | | |
| STD-US-SC-MF ⁽¹⁾ -DVD for Ultrasound images, compressed and uncompressed | Yes / Yes ⁽²⁾ | Yes ⁽³⁾ |
| STD-GEN-DVD for Structured Reports | Yes / Yes ⁽²⁾ | No |
| USB Devices | | |
| STD-GEN-USB-JPEG for Ultrasound images, compressed and uncompressed and Structured Reports | Yes / Yes | Yes ⁽⁴⁾ |

(1) Note that the "MF" designator includes both Single Frame (SF) and Multi-frame (MF) ultrasound images.

(2) Only acts as a FSU for media that may be written to multiple times.

(3) ClearVue 650 1.0 reads and imports data from Philips ClearVue 350/550/580 1.0, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 systems. Philips ClearVue 350 2.0 reads and imports data from ClearVue 350 1.0 and ClearVue 350 2.0. ClearVue 550 2.0 reads and imports data from ClearVue 350/550 1.0 and ClearVue 350/550 2.0. ClearVue 580 2.0 reads and imports data from ClearVue 350/580 1.0 and ClearVue 350/580 2.0.

(4) Yes, but not for importing Structured Reports.

**Table 3
SUPPORTED STRUCTURED REPORT TEMPLATES**

| Concept Name |
|---|
| OB-GYN Ultrasound Procedure Report (Template ID 5000) |
| Vascular Ultrasound Procedure Report (Template ID 5100) |
| Adult Echocardiography Procedure Report (Template ID 5200) |
| Pediatric Echocardiography Procedure Reports (Template ID 5220) |

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3 INTRODUCTION

3.1 AUDIENCE

This document is intended for hospital staff, health care system integrators, software designers or implementers. It is assumed that the reader has a working understanding of DICOM.

3.2 REMARKS

DICOM, by itself, does not guarantee interoperability. However, the Conformance Statement facilitates a first-level validation for interoperability between different applications supporting the same DICOM functionality.

This Conformance Statement is not intended to replace validation with other DICOM equipment to ensure proper exchange of information intended.

The scope of this Conformance Statement is to facilitate communication between the Philips Healthcare ClearVue 350/550/580 2.0 and ClearVue 650 1.0 ultrasound systems and other vendors' Medical equipment. The Conformance Statement should be read and understood in conjunction with the DICOM Standard [DICOM]. However, by itself it is not guaranteed to ensure the desired interoperability and successful interconnectivity.

The user should be aware of the following important issues:

- The comparison of different conformance statements is the first step towards assessing interconnectivity between Philips Healthcare and non - Philips Healthcare equipment.
- Test procedures should be defined to validate the desired level of connectivity.
- The DICOM standard will evolve to meet the users' future requirements. Philips Healthcare is actively involved in developing the standard further and therefore reserves the right to make changes to its products or to discontinue its delivery.

3.3 IMPORTANT NOTE TO THE READER

Interoperability

Interoperability refers to the ability of application functions, distributed over two or more systems, to work successfully together. The integration of medical devices into an IT environment may require application functions that are not specified within the scope of DICOM. Consequently, using only the information provided by this Conformance Statement does not guarantee interoperability of Philips equipment with non-Philips equipment. It is the user's responsibility to analyze thoroughly the application requirements and to specify a solution that integrates Philips equipment with non-Philips equipment.

Validation

Philips equipment has been carefully tested to assure that the actual implementation of the DICOM interface corresponds with this Conformance Statement. Where Philips equipment is linked to non-Philips equipment, the first step is to compare the relevant Conformance Statements. If the Conformance Statements indicate that successful information exchange should be possible, additional validation tests will be necessary to ensure the functionality, performance, accuracy and stability of image and image related data. It is the responsibility of the user (or user's agent) to specify the appropriate test suite and to carry out the additional validation tests.

New versions of the DICOM Standard

The DICOM Standard will evolve in future to meet the user's growing requirements and to incorporate new features and technologies. Philips is actively involved in this evolution and plans to adapt its equipment to

future versions of the DICOM Standard. In order to do so, Philips reserves the right to make changes to its products or to discontinue its delivery. The user should ensure that any non-Philips provider linking to Philips equipment also adapts to future versions of the DICOM Standard. If not, the incorporation of DICOM enhancements into Philips equipment may lead to loss of connectivity (in case of networking) and incompatibility (in case of media).

3.4 DEFINITIONS, TERMS AND ABBREVIATIONS

Definitions, terms and abbreviations used in this document are defined within the different parts of the DICOM standard.

Abbreviations and terms are as follows:

| | |
|--------|--|
| AE | DICOM Application Entity |
| AET | Application Entity Title |
| CD-R | Compact Disk Recordable |
| DICOM | Digital Imaging and Communications in Medicine |
| FSC | File-Set Creator |
| FSU | File-Set Updater |
| FSR | File-Set Reader |
| GSDF | Grayscale Standard Display Function |
| IOD | (DICOM) Information Object Definition |
| ISO | International Standard Organization |
| LOINC | Logical Observation Identifiers Names and Codes |
| MPPS | Modality Performed Procedure Step |
| MWL | Modality Worklist |
| R | Required Key Attribute for Modality Worklist Query Matching |
| O | Optional Key Attribute for Modality Worklist Query Matching |
| PDU | DICOM Protocol Data Unit |
| PDE | Patient Data Entry |
| SCP | DICOM Service Class Provider (DICOM server) |
| SCU | DICOM Service Class User (DICOM client) |
| SOP | DICOM Service-Object Pair |
| SNOMED | Systematized Nomenclature of Medicine (SRT) |
| U | Unique Key Attribute for Modality Worklist Query Matching, or Optional Attribute |
| US | Ultrasound |

3.5 REFERENCES

[DICOM] Digital Imaging and Communications in Medicine (DICOM), NEMA PS 3.1-3.18, 2008

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4 NETWORKING

4.1 IMPLEMENTATION MODEL

4.1.1 Application Data Flow

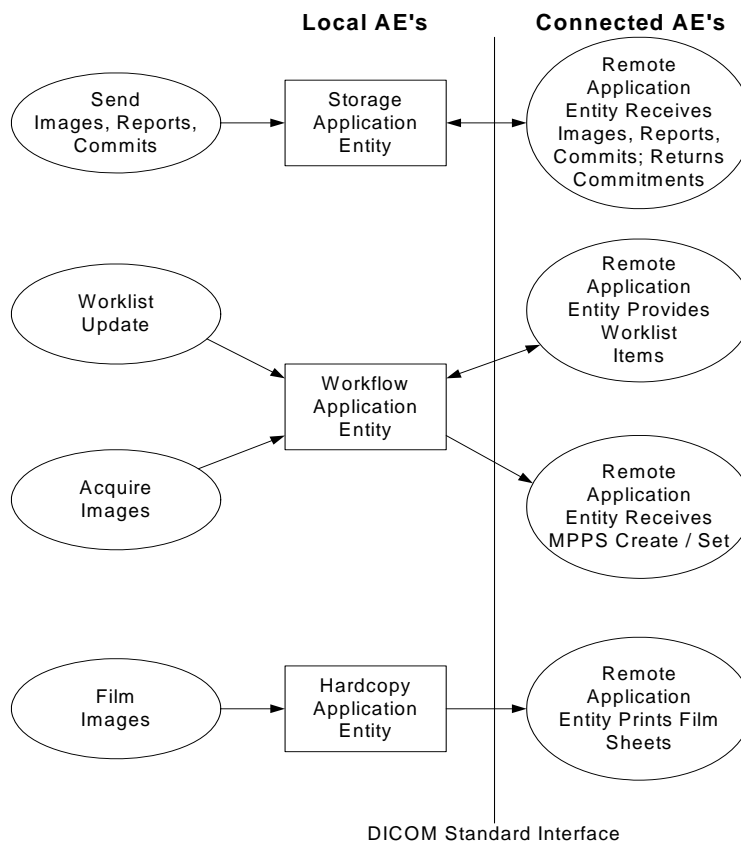


Figure 1
APPLICATION DATA FLOW DIAGRAM

- The **Storage Application Entity** sends **Images** to one or two remote AEs and **Structured Reports** to a single remote AE. Acquisition of images is associated with the local real-world activity "Freeze" then "Acquire" for single frame and "Acquire" for loops or clips. Sending or exporting of images depends on user configuration, either "Send as you go" as and when the image is acquired (or) "Batch" when End Exam is pressed, (or) Manual. An exam may be exported by user selecting from "Review". A storage commitment server is configured for one of the two image storage servers. Storage Commitment for Structured Reports requires a separate commit server configuration entry. If the remote AE is configured for **Storage Commitment**, the Storage AE will request Storage Commitment after successful storage of the image(s) and Structured Reports, if sent. If a commitment response is successfully obtained, there will be no job remaining in the queue (viewed using CNTL-J) signaling the Auto-delete function that the exam qualifies for deletion.
- The **Workflow Application Entity** receives Worklist information from and sends MPPS information to remote AEs. It is associated with the local real-world activities "Refresh Now" or automatic polling. When either the "Refresh Now" or automatic polling are performed, the Workflow Application Entity queries a remote AE for worklist items that provides the set of worklist items matching the query request.

Modality Performed Procedure Step (MPPS) messages are sent from the system under the following circumstances:

- MPPS N-Create, Status = IN PROGRESS:
 - Closing the Patient Data Entry screen will result in automated creation of an MPPS Instance managed by a remote AE.
 - MPPS N-Set, Status = COMPLETE
 - Completion of the MPPS is performed as the result of an operator action of ending the exam.
 - MPPS N-Set, Status = DISCONTINUED
 - “Cancel” causes the “Discontinued” status to be sent.
- An Ended Exam may be ‘appended’ with images and SRs within 24 hours of the beginning of the exam. There are two fundamental methods to perform append:
- *Note: The system will notify the user that it is “Restarting” the study. If beyond 24 hours, the system will not allow new images to be acquired.*
 - Append from Patient Data Entry
 - Press the “Patient” hardkey. If Modality Worklist is configured, press the “Manual Entry” button and/or select the “Restart” button to get a list of exams that are less than 24 hours old. Select an exam and ‘OK’ to close Patient Data Entry to return to scanning.
 - Append from Image Review
 - Press the “Review” hardkey then select the “Search for Study” icon to see the list of performed studies. Select the exam and hit “Open Study” to return to live scanning to acquire images and measurements.
- The **Hardcopy Application Entity** sends DICOM print pages to a remote AE (Printer or print server). It is associated with the local real-world activity Acquire when a DICOM Printer is configured for Batch Mode in the current preset, or “DICOM print” is selected with Right Button on the Exam in the system Patient Directory.
- Additionally, individual images can be selected in Review and sent with the selection of “Print selected still images to DICOM Printer” icon.
- Either action creates a print queue containing one or more virtual film sheets composed from images acquired by the user. It creates and sends fully rendered pages already containing the user’s selected formatting choices. Only a single image object per sheet is sent to the printer. This print object is rather large compared to sending individual Image Box objects to the printer. If the user has both a BW and Color DICOM printer configured and selected, and is using “Send as you go”, the images containing no Color Flow or Chroma data will be sent to the BW printer, all others will be sent to the Color printer.
- Exam data is sent to all selected Store, Print and Workflow destinations simultaneously in accordance with system configuration of “Send as you go” or “Batch” at end of exam or Manual.

4.1.2 Functional Definition of AEs

4.1.2.1 Functional Definition of Storage Application Entity

A Network Store queue with associated network destination will activate the Storage AE. An association request is sent to the destination AE and upon successful negotiation of a Presentation Context the image transfer is started. If the association cannot be opened, the related queue’s Status is set to RETRY as displayed in the Job Manager (CNTL-J). The user may select “Retry Job” to attempt re-send.. After the automatic retries have failed, the job is set to ERROR. The user may “Delete Job” and re-send manually. Deleting a job does not remove the data, as it is still present on the system. Only the request to transfer the data is removed. Once any communication issues have been resolved, “Retry Job” may be selected or if the jobs were deleted, they may be queued again from the Review directory.

Storage Commitment messages are structured and sent depending on the user configuration for sending data. If the system is set for "Send as you go", then commit requests are sent when the images are exported. Several images may be contained in a single request. When the system is set to "Batch mode" all images are exported at the end of the exam, a Storage Commitment queue is established and remains in the Job Manager window until the N-Event-Report-Request message is received.

Studies sent manually from "Review" will also send Storage Commitment requests.

4.1.2.2 Functional Definition of Workflow Application Entity

"Refresh Now" attempts to download a Modality Worklist from a Modality Worklist server with studies matching the search criteria by sending a C-Find Request containing user-definable Query parameters. There could be additional attributes that the ClearVue system can send depending on the transport layer being used. Query parameters are stored in the "Advanced" tab adjacent to the MWL SCP selection in the "Servers and Roles" setup page. 10 Customizable Queries may be used, 5 are factory defaults.

Settings that may be customized are:

- Query Name (not sent in the DICOM data)
- Start Date (All Dates, Today or Date Range)
- AE Title (This system, Any or Another specific)
- Modality (Ultrasound or All Modalities)

When the Workflow AE establishes an association to a remote AE, a MWL C-Find-Rq message is sent to the MWL server. The server will transfer all matching worklist items via the open association. The results of a successful Worklist Update will overwrite the data in the Worklist display. There is no queue management for Worklist.

The Workflow AE creates a MPPS Instance when the PDE (Patient Data Entry screen) is closed. An MPPS N-Create-Rq message is sent to the MPPS server with the status of "IN PROGRESS". At the end of the exam, when "Completed" or "Cancel" are selected, an MPPS N-Set-Rq message is sent with "COMPLETED" or "DISCONTINUED" respectively. MPPS message queues are listed in the Job Manager (CNTL-J) window.

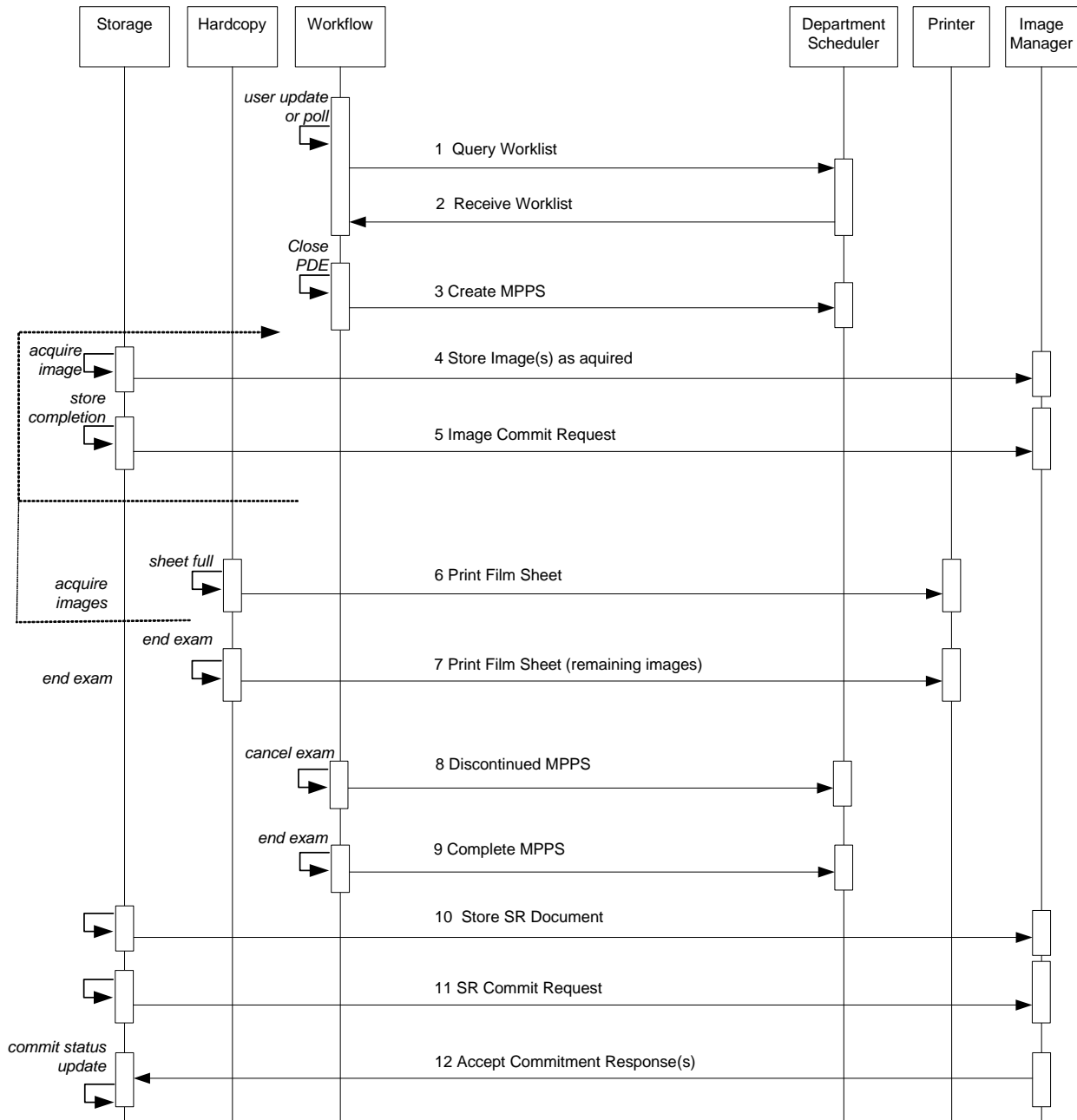
4.1.2.3 Functional Definition of Hardcopy Application Entity

A print queue will activate the Hardcopy AE. An association is established with the printer(s) and the printer's status is determined. If the printer is operating normally, the film sheet print requests will be sent. If the printer is not operating normally, the print queue status is set to "Failed" and can be restarted by the user via the queue management interface.

When both a BW and a Color DICOM printer are configured, the images that contain color data, i.e., Color Flow Doppler or "Chroma" will be sent to the Color printer only, and all other images will be sent to the BW printer. Otherwise, all images will be sent to the selected printer.

There is an embedded retry mechanism that retries based on the individual server's settings as configured by the user. Default values are: 3 Retries with 300 seconds (5 minutes) Interval.

Sequencing of Real-World Activities



Note: Step 8 may occur prior to acquisition of the first image if the exam is cancelled prior to first image.

FIGURE 2A:
SEQUENCING CONSTRAINTS – SEND AS YOU GO CONFIGURATION

Figures 2a and 2b illustrate normal scheduled workflow conditions.

Notes:

- Printing to DICOM printers may occur independent of any other DICOM activity.

- All selected store, print and workflow devices are sent data during the exam when configured for “Send as you go”, at the end of exam “Batch” or from Review when set for Manual.
- Selecting a study from Review for export will send to selected devices.

Other workflow situations (e.g. unscheduled procedure steps) will have other sequencing constraints. Printing or storage could equally take place after image acquisition. Printing could be omitted completely if no printer is connected or hardcopies are not required.

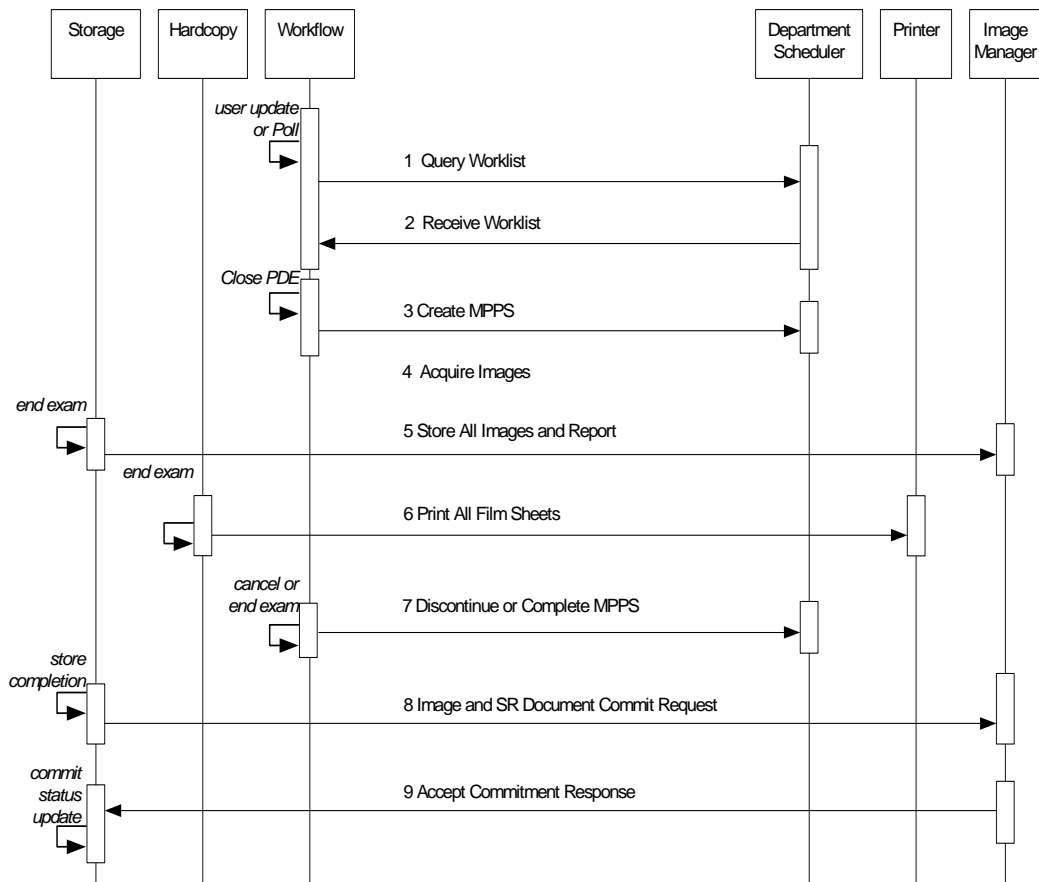


FIGURE 2B:
SEQUENCING CONSTRAINTS – END EXAM CONFIGURATION

4.2 AE SPECIFICATIONS

4.2.1 Storage Application Entity Specification

4.2.1.1 SOP Classes

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 provides Standard Extended¹ Conformance to the following SOP Classes:

**Table 3
SOP CLASSES FOR AE STORAGE**

| SOP Class Name | SOP Class UID | SCU | SCP |
|---|-------------------------------|-----|-----|
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Yes | No |
| US Multiframe Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Yes | No |
| Comprehensive Structured Report Storage | 1.2.840.10008.5.1.4.1.1.88.33 | Yes | No |
| Storage Commitment Push Model | 1.2.840.10008.1.20.1 | Yes | No |

4.2.1.2 Association Establishment Policy

4.2.1.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

**Table 4
DICOM APPLICATION CONTEXT FOR AE STORAGE**

| | |
|--------------------------|-----------------------|
| Application Context Name | 1.2.840.10008.3.1.1.1 |
|--------------------------|-----------------------|

The PDU size is configurable with a minimum size of 100 and a maximum size of 16,000. The default PDU size is 16,000.

4.2.1.2.2 Number of Associations

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 initiates one Association at a time for each destination to which a transfer request is being processed in the active job queue list. Two Storage SCPs may be selected, but only one job will be active at a time, the other(s) remain pending until the active job is completed or failed.

**Table 5
NUMBER OF ASSOCIATIONS INITIATED FOR AE STORAGE**

| | |
|---|---|
| Maximum number of simultaneous Associations | 5, 1 for each configured storage device |
|---|---|

One Primary Storage Server, one Secondary Storage Server, one Storage Commitment Server, one SR Storage Server and one SR Storage Commitment Server.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 accepts Associations for N-EVENT-REPORT notifications for the Storage Commitment Push Model SOP Class on a separate association.

**Table 6
NUMBER OF ASSOCIATIONS ACCEPTED FOR AE STORAGE**

| | |
|---|---|
| Maximum number of simultaneous Associations | 1 |
|---|---|

¹ See section 8.7 for information on the Standard Extended SOP Class

4.2.1.2.3 Asynchronous Nature

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 7
ASYNCHRONOUS NATURE AS A SCU FOR AE STORAGE

| | |
|---|---|
| Maximum number of outstanding asynchronous transactions | 1 |
|---|---|

4.2.1.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 8
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE STORAGE

| Implementation Class UID | Implementation Version Name |
|--------------------------|-----------------------------|
| ClearVue 350_200 | 1.3.46.670589.14.5000.200 |
| ClearVue 550_200 | 1.3.46.670589.14.6000.200 |
| ClearVue 580_200 | 1.3.46.670589.14.9003.200 |
| ClearVue 650_100 | 1.3.46.670589.14.9002.100 |

4.2.1.3 Association Initiation Policy

4.2.1.3.1 Activity – Store Images, Loops and Structured Reports

4.2.1.3.1.1 Description and Sequencing of Activities

Images and Reports may be sent from the selected studies from the Review directory. When the “Send as you go” option is active, the queue is serviced continuously during the exam. Each image is sent in its own association that is opened and closed. Additional images acquired during the exam will be sent using subsequent associations.

If the C-STORE response from the remote application contains a status other than Success or Warning, the association is retried until switched to a failed state.

When a system configured with network destinations is used without the network connected, it is considered to be in “Portable” mode. When returning from portable, reconnecting the network cable will initiate transfer.

The Storage Commitment service is implemented to handle image commitment separately from Structured Reports. For Images, only the Primary Store SCP may be associated with a commitment server. For Structured Reports, the SR Store SCP may be configured with its own commit server. In each case, the Storage AE will transmit a Storage Commitment request (N-ACTION) over a separate Association from the storage of image or report objects. Outstanding Commit Requests (those that have not received an N-Event-Report) will remain in the Job Manager (CNTL-J) until the report is received.

The Storage AE can only receive an N-EVENT-REPORT request in a separate subsequent association initiated by the SCP employing PDU 54H SCP/SCU Role Negotiation in the SCP’s Association Request. It cannot receive N-Event-Report-Rq messages on the same association as the N-Action-Rq.

Structured Reports will contain only supported measurements and calculations created by ClearVue 350/550/580 2.0 and ClearVue 650 1.0. This may exclude some entries displayed in the on-system report. Measurements or calculations that are not supported for export are listed in Appendix A.

- The OB and Gyn Study types create OB-GYN Ultrasound Procedure Reports.

- The Vascular Study type creates Vascular Ultrasound Procedure Reports.
- The Cardiac (Adult Echo) Study type creates Adult Echocardiography Reports.
- The Cardiac (Ped Echo) Study type creates Pediatric Echocardiography Reports.

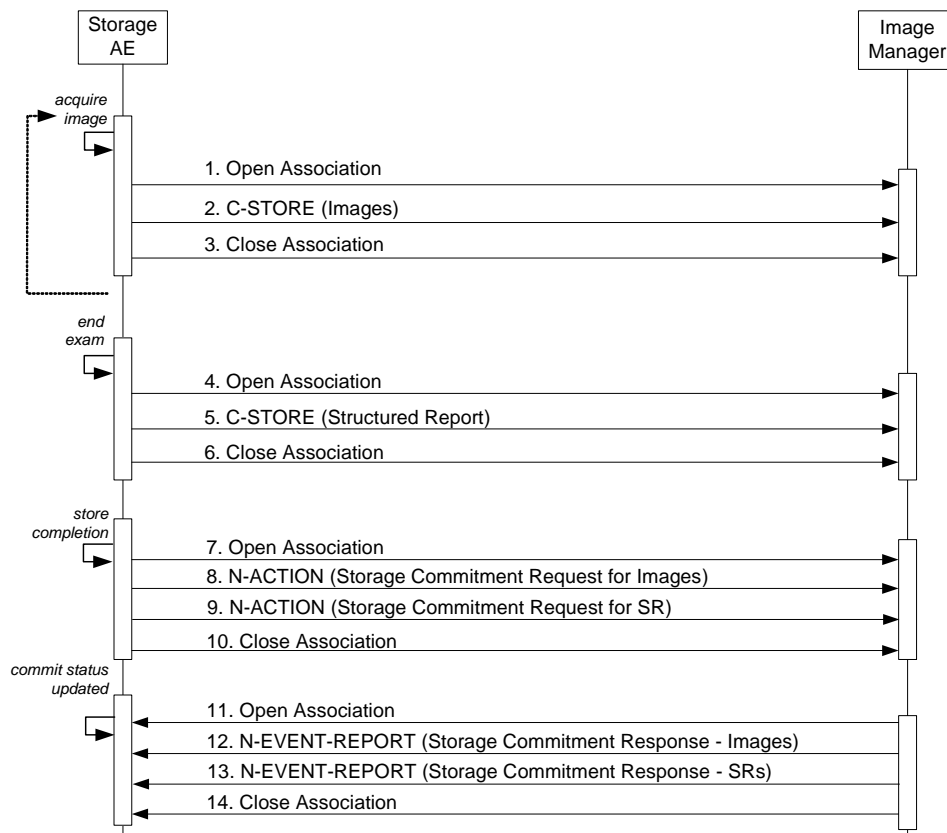


Figure 3
SEQUENCING OF ACTIVITY – SEND IMAGES AND STRUCTURED REPORT

The sequence of interactions between the Storage AE and an Image Manager is illustrated in Figure 3 for the “Store” configuration option “Send as you go.” The alternative option, “Batch mode” differs only in the removal of the loop symbol on the ‘acquire images’ activity

NOTES: The N-EVENT-REPORT must be sent over a separate association initiated by the Image Manager (see Section 4.2.1.4.1 on Activity – Receive Storage Commitment Response).

4.2.1.3.1.2 Proposed Presentation Contexts

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is capable of proposing the Presentation Contexts shown in the following table:

**Table 9
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY SEND IMAGES**

| Presentation Context Table | | | | | |
|---|-------------------------------|--|---|------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Implicit VR Little Endian* Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 | SCU | None |
| US Multiframe Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 | SCU | None |
| Comprehensive Structured Report Storage | 1.2.840.10008.5.1.4.1.1.88.33 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCU | None |
| Storage Commitment Push Model | 1.2.840.10008.1.20.1 | Implicit VR Little Endian Explicit VR Little Endian | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 | SCU | None |

*The following applies to both US Image and US Multiframe Images

JPEG used if image Photometric Interpretation is
YBR_FULL_422

RLE Lossless is used if image formats are any of
Palette Color, RLE Compressed
RGB, RLE Compressed
MONOCHROME2, RLE Compressed

Implicit Little Endian (ILE) transfer Syntax is used when:
Palette Color, Uncompressed ILE
RGB, Uncompressed ILE
MONOCHROME2, Uncompressed ILE

Explicit Little Endian (ELE) transfer syntax is used when:
Palette Color, Uncompressed ELE
RGB, Uncompressed ELE
MONOCHROME2, Uncompressed ELE

Storage Commitment N-Action Requests are only sent to the image storage device that is configured as the Storage Commitment server and associated with the Primary SCP. SRs are sent to their own configured SCP and Storage Commitment for SRs are handled separately from images.

4.2.1.3.1.3 SOP Specific Conformance for Image and Comprehensive Structured Report Storage SOP Classes

All Image and Comprehensive Structured Report Storage SOP Classes supported by the Storage AE exhibit the same behavior, except where stated, and are described together in this section.

Table 10 describes C-Store response behavior.

The following Default Settings and Ranges may be used where applicable in Table 10:

| Setting | Default | Range |
|-----------------|---------|--------------|
| Connect Timeout | 30 sec | 10 – 999 sec |
| Read Timeout | 300 sec | 30 – 999 sec |
| Write Timeout | 300 sec | 30 – 999 sec |
| Maximum Retries | 3 | 0 – 999 |

**Table 10
STORAGE C-STORE RESPONSE STATUS HANDLING BEHAVIOR**

Establishing the Association with Default settings

| Condition (After C-Store) | Status Codes (C-Store-RSP) | Response |
|---|-------------------------------|---|
| Could not establish the association within 30-second time window (Connect Timeout) due to NO RESPONSE from the Storage Server | Not Applicable | The association attempt is aborted, and after 5-minutes a new association is attempted. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will make three attempts to open an association with the configured Storage SCP before aborting the storage request and placing the job in an error state. The user can then manually restart the job at some later date. The failure is logged to the DICOM log file as an error. The 5-minute timeout and the number of retries are configurable by the user from the DICOM Setup screens. The 5-minute timeout is mapped to the 'Retry Interval' input control on the DICOM Setup screen and the number of retries is mapped to 'Maximum Retries' on the DICOM Setup screen. |
| Refused | A7xx | If the Storage SCP server refuses the association, then the association attempt is aborted. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will wait 5-minutes and then reattempt the association. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will make three attempts to establish the association before aborting the storage request and placing the job in an error state. The user can then manually restart the job at some later date. The failure is logged to the DICOM log file as an error. As an example, the association would be refused if the storage server employs a high security mechanism whereby it only accepts association requests from DICOM Servers that it knows about and the ClearVue 350/550/580 2.0 and ClearVue 650 1.0's AE Title was not in the PACS database. See the timeout and retry settings above. |

During Image or SR Transfer

| Service Status | Error Code | Behavior |
|--|--|--|
| After association has been accepted, there is no response to a request within 5-minute time window (Read Timeout). | Not Applicable | If the association is lost during active image transfer to the Storage SCP server, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will initiate a new association after 5 minutes, and attempt to store all the images. If during transfer, the association is again lost, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will wait another 5 minutes and try again. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will make three attempts to send all the images before aborting the storage request and placing the job in an error state. The user can then manually restart the job at some later date. The failure is logged to the DICOM log file as an error. See the timeout and retry settings above. |
| Error | A9xx, Cxxx, 0122, Other | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will treat all errors as failure of Storage request (also called as Job). A failed job is automatically retried after 5 minutes. If the job fails even after three attempts, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will abort this request and place the job in an Error state. The user can then manually restart the job at some later date. The failure is logged to the DICOM log file as an error. |
| Warning | D000, B000, B006, B007 | If the Storage SCP issues a warning on a particular image (perhaps it had to use coercion), ClearVue 350/550/580 2.0 and ClearVue 650 1.0 logs the warning to the DICOM log file as an informational event and continues on as if the image was successfully stored to the PACS (see row below). |
| Success | 0000 | When an image is successfully stored to the Storage SCP (PACS), ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will keep a record of the successful storage. If all the images in the job are successfully stored, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will notify the user (through an icon on the list of studies), and the job will be removed from the job manager. |
| * | Any other status code. | The Association is aborted using A-ABORT and the transfer fails. The status is logged. |

The behavior of Storage AE during communication failure is summarized in Table 11.

Table 11
STORAGE COMMUNICATION FAILURE BEHAVIOR

| Exception | Behavior |
|--|--|
| Timeout | Same as Service Status timeouts in Table 10 above. |
| Association aborted by the SCP or network layers | Same as Service Status in Table 10 above. |

The contents of US Image, US Multiframe Storage and Comprehensive Structured Report Storage SOP Instances conform to the DICOM IOD definitions described in Section 8.1.

4.2.1.3.1.4 SOP Specific Conformance for Storage Commitment Push Model SOP Class

4.2.1.3.1.4.1 Storage Commitment Operations (N-ACTION)

The Storage AE will request storage commitment for the configured device.

Table 12 summarizes the behavior of Storage AE when receiving response status codes.

**Table 12
STORAGE COMMITMENT N-ACTION RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|-----------------|------------------------|---|
| Success | Success | 0000 | The system waits for the N-Event-Report. |
| * | * | Any other status code. | The commit status remains incomplete for all objects. |

Table 13 summarizes the behavior of Storage AE during communication failure.

**Table 13
STORAGE COMMITMENT COMMUNICATION FAILURE BEHAVIOR**

| Exception | Behavior |
|--|---|
| Timeout | Same as non-success status in Table 12. |
| Association aborted by the SCP or network layers | Same as non-success status in Table 12. |

4.2.1.3.1.4.2 Storage Commitment Tags (N-ACTION)

The Storage AE will request storage commitment using the following tags

NOTE: Storage Commitment may only be automatically requested by the system at the end of a study.

**Table 13a
STORAGE COMMITMENT N-ACTION-REQUEST MESSAGE CONTENTS**

| Action Type Name | Action Type ID | Attribute | Tag | Requirement Type SCU |
|----------------------------|----------------|------------------------------|-------------|----------------------|
| Request Storage Commitment | 1 | Transaction UID | (0008,1195) | 1 |
| | | Referenced SOP Sequence | (0008,1199) | 1 |
| | | >Referenced SOP Class UID | (0008,1150) | 1 |
| | | >Referenced SOP Instance UID | (0008,1155) | 1 |

Subsequently, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 expects N-EVENT-REPORT messages from the storage commit server although ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not assume that the event will arrive at any particular time. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not wait but will process the event whenever it arrives.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 might be either powered down or disconnected from the network and used in portable mode, it is possible for the N-EVENT-REPORT to arrive from the Storage Commitment SCP while ClearVue 350/550/580 2.0 and ClearVue 650 1.0 cannot receive it. If an outstanding N-EVENT-REPORT does not arrive within 96 hours, then ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will reissue the same Storage

Commitment request. When the event arrives, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 returns an N-EVENT-REPORT response primitive with one of the following status codes.

4.2.1.3.1.4.3 Storage Commitment Notifications (N-EVENT-REPORT)

The Storage AE can receive an N-EVENT-REPORT notification received from the SCP via Reverse-role negotiation.

Table 14 summarizes the behavior of Storage AE when receiving Event Types within the N-EVENT-REPORT.

**Table 14
STORAGE COMMITMENT N-EVENT-REPORT BEHAVIOUR**

| Event Type Name | Event Type ID | Behavior |
|--|---------------|---|
| Storage Commitment Request Successful | 1 | The commit status is set to complete for each object. |
| Storage Commitment Request Complete – Failures Exist | 2 | The commit status remains incomplete. The commit comment for each object is logged. |

The reasons for returning specific status codes in an N-EVENT-REPORT response are summarized in Table 15.

**Table 15
STORAGE COMMITMENT N-EVENT-REPORT RESPONSE STATUS REASONS**

| Service Status | Further Meaning | Error Code | Reasons |
|----------------|-----------------|------------|---|
| Success | Success | 0000 | The storage commitment result has been successfully received. |

4.2.1.3.1.4.4 Storage Commitment Tags (N-EVENT-REPORT)

Tags supported for receiving an N-Event-Report message.

Table 16 lists the tags that may be received within the N-EVENT-REPORT.

**Table 16
STORAGE COMMITMENT N-EVENT-REPORT MESSAGE CONTENTS**

| Event Type Name | Event Type ID | Attribute | Tag | Requirement Type SCP |
|---------------------------------------|---------------|-----------------------------------|-------------|----------------------|
| Storage Commitment Request Successful | 1 | Transaction UID | (0008,1195) | 1 |
| | | <i>Retrieve AE Title</i> | (0008,0054) | 3 |
| | | <i>Storage Media File-Set ID</i> | (0088,0130) | 3 |
| | | <i>Storage Media File-Set UID</i> | (0088,0140) | 3 |
| | | Referenced SOP Sequence | (0008,1199) | 1 |
| | | >Referenced SOP Class UID | (0008,1150) | 1 |
| | | >Referenced SOP Instance UID | (0008,1155) | 1 |
| | | > <i>Retrieve AE Title</i> | (0008,0054) | 3 |

| | | | | |
|--|---|-------------------------------------|-------------|---|
| | | > <i>Storage Media File-Set ID</i> | (0088,0130) | 3 |
| | | > <i>Storage Media File-Set UID</i> | (0088,0140) | 3 |
| Storage Commitment Request Complete – Failures Exist | 2 | Transaction UID | (0008,1195) | 1 |
| | | <i>Retrieve AE Title</i> | (0008,0054) | 3 |
| | | <i>Storage Media File-Set ID</i> | (0088,0130) | 3 |
| | | <i>Storage Media File-Set UID</i> | (0088,0140) | 3 |
| | | Referenced SOP Sequence | (0008,1199) | 1 |
| | | >Referenced SOP Class UID | (0008,1150) | 1 |
| | | >Referenced SOP Instance UID | (0008,1155) | 1 |
| | | > <i>Retrieve AE Title</i> | (0008,0054) | 3 |
| | | > <i>Storage Media File-Set ID</i> | (0088,0130) | 3 |
| | | > <i>Storage Media File-Set UID</i> | (0088,0140) | 3 |
| | | Failed SOP Sequence | (0008,1198) | 1 |
| | | >Referenced SOP Class UID | (0008,1150) | 1 |
| | | >Referenced SOP Instance UID | (0008,1155) | 1 |
| | | >Failure Reason | (0008,1197) | 1 |

In Table 16 above, the attributes in *italics* may be sent from the server, handled and ignored by HD15.

4.2.1.4 Association Acceptance Policy

4.2.1.4.1 Activity – Receive Storage Commitment Response

4.2.1.4.1.1 Description and Sequencing of Activities

The Storage AE accepts associations for pending responses to a Storage Commitment Request only using SCP/SCU Role Negotiation; explicitly stating that the association is initiated by the SCP to the SCU. Any other will be rejected.

4.2.1.4.1.2 Accepted Presentation Contexts

Table 17 summarizes Presentation Contexts that the Storage AE accepts.

**Table 17
ACCEPTABLE PRESENTATION CONTEXTS FOR
ACTIVITY RECEIVE STORAGE COMMITMENT RESPONSE**

| Presentation Context Table | | | | | |
|-------------------------------|----------------------|--|--|------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Storage Commitment Push Model | 1.2.840.10008.1.20.1 | Implicit VR Little Endian Explicit VR Little Endian | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 | SCU | None |

4.2.1.4.1.3 SOP Specific Conformance for Storage Commitment Push Model SOP Class

4.2.1.4.1.3.1 Storage Commitment Notifications (N-EVENT-REPORT)

Upon receipt of an N-EVENT-REPORT the timer associated with the Transaction UID will be canceled.

Table 14 summarizes the behavior of Storage AE when receiving Event Types within the N-EVENT-REPORT.

The Storage AE may reject association attempts as shown in the Table below. The Result, Source and Reason/Diag columns represent the values returned in the appropriate fields of an ASSOCIATE-RJ PDU. The contents of the Source column is abbreviated to save space and the meaning of the abbreviations are:

- a) 1 – DICOM UL service-user
- b) 2 – DICOM UL service-provider (ASCE related function)
- c) 3 – DICOM UL service-provider (Presentation related function)

Table 17b summarizes the reasons for returning specific status codes in an N-EVENT-REPORT response.

**Table 17b
ASSOCIATION REJECTION REASONS**

| Result | Source | Reason/Diag | Explanation |
|---------------------------|---------------|--|--|
| 2 – Rejected Transient | c | 2 – Local Limit Exceeded | The (configurable) maximum number of simultaneous associations has been reached. An association request with the same parameters may succeed at a later time. |
| 2 – Rejected Transient | c | 1 – Temporary Congestion | No associations can be accepted at this time. An association request with the same parameters may succeed at a later time. |
| 1 – Rejected Permanent | a | 2 – Application Context Name Not Supported | The association request contained an unsupported Application Context Name. An association request with the same parameters will not succeed at a later time. |
| 1 – Rejected Permanent | a | 7 – Called AE Title Not Recognized | The association request contained an unrecognized Called AE Title. A successful association request will require configuration changes. This rejection reason normally occurs when the association initiator is incorrectly configured and attempts to address the association acceptor using the wrong AE Title. Make sure the Commit Server has the correct AE Title and IP Address for the ultrasound system. |
| 1 – Rejected Permanent | a | 3 – Calling AE Title Not Recognized | The association request contained an unrecognized Calling AE Title. An association request with the same parameters will not succeed at a later time unless configuration changes are made. This rejection reason normally occurs when the association acceptor has not been configured to recognize the AE Title of the association initiator. Ensure there is no variation in Case in this system's AE Title on the Commit Server. |
| 1 – Rejected Permanent | b | 1 – No Reason Given | The association request could not be parsed. An association request with the same format will not succeed at a later time. |

4.2.2 Workflow Application Entity Specification

4.2.2.1 SOP Classes

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 provides Standard Conformance to the following SOP Classes:

Table 18
SOP CLASSES FOR AE WORKFLOW

| SOP Class Name | SOP Class UID | SCU | SCP |
|-----------------------------------|-------------------------|-----|-----|
| MWL Information Model – FIND | 1.2.840.10008.5.1.4.31 | Yes | No |
| Modality Performed Procedure Step | 1.2.840.10008.3.1.2.3.3 | Yes | No |

4.2.2.2 Association Establishment Policy

4.2.2.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 19
DICOM APPLICATION CONTEXT FOR AE WORKFLOW

| | |
|--------------------------|-----------------------|
| Application Context Name | 1.2.840.10008.3.1.1.1 |
|--------------------------|-----------------------|

4.2.2.2.2 Number of Associations

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 initiates one Association at a time for a Worklist request and a separate association for Modality Performed Procedure Step messages.

Table 20
NUMBER OF ASSOCIATIONS INITIATED FOR AE WORKFLOW

| | |
|---|---|
| Maximum number of simultaneous Associations | 1 |
|---|---|

4.2.2.2.3 Asynchronous Nature

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not support asynchronous communication.

Table 21
ASYNCHRONOUS NATURE AS A SCU FOR AE WORKFLOW

| | |
|---|---|
| Maximum number of outstanding asynchronous transactions | 1 |
|---|---|

4.2.2.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 22
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE WORKFLOW

| Implementation Class UID | Implementation Version Name |
|--------------------------|-----------------------------|
| ClearVue 350_200 | 1.3.46.670589.14.5000.200 |
| ClearVue 550_200 | 1.3.46.670589.14.6000.200 |
| ClearVue 580_200 | 1.3.46.670589.14.9003.200 |

4.2.2.3 Association Initiation Policy

4.2.2.3.1 Activity – Worklist Update

4.2.2.3.1.1 Description and Sequencing of Activities

Worklist queries for Modality (US) or All Modalities may be initiated by the user or will occur at a preset interval set as one of the following:

- The user may press “Refresh Now” to send a query: using search keys: Start Date, Modality and AE Title selections made in the Set Modality Worklist Queries configuration page.
- The user may configure the system to search for studies scheduled for its AE Title, or it may be set to search for a different AE Title’s studies, or all.
- The system may be set* to periodically poll the worklist server. Default is 10 minutes, adjustable in one minute increments from 1 to 32,767 minutes.

* Follow Setups > System > DICOM > DICOM Preset > Change Settings for current preset > Modify in Roles > MWL SCP – Advanced > MWL Polling Frequency.

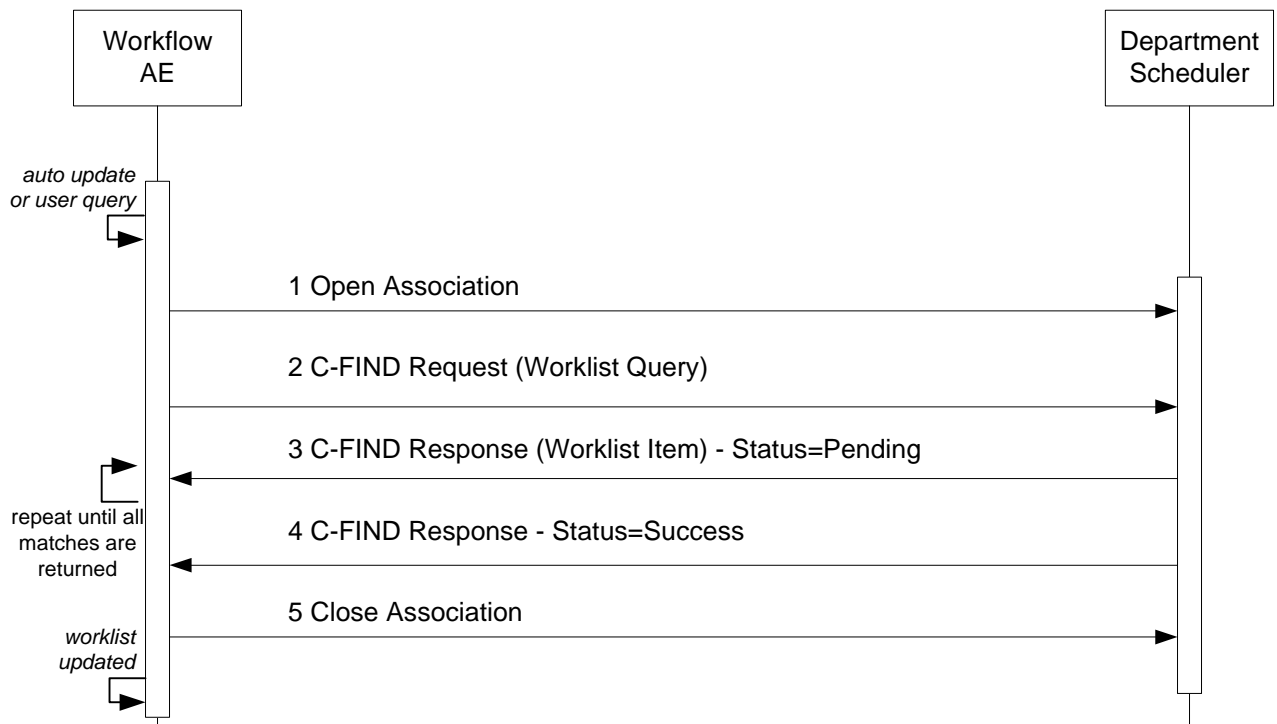


Figure 5
SEQUENCING OF ACTIVITY – WORKLIST UPDATE

A possible sequence of interactions between the Workflow AE and a Departmental Scheduler (e.g. a device such as a RIS or HIS which supports the MWL SOP Class as an SCP) is illustrated in Figure 5:

4.2.2.3.1.2 Proposed Presentation Contexts

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will propose Presentation Contexts as shown in the following table:

**Table 23
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY WORKLIST UPDATE**

| Presentation Context Table | | | | | |
|--|------------------------|---|--|------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Modality Worklist Information Model – FIND | 1.2.840.10008.5.1.4.31 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |

*Note: If the worklist server accepts Explicit VR Little Endian and Implicit VR Little Endian then ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will use Explicit VR Little Endian Transfer Syntax.

4.2.2.3.1.3 SOP Specific Conformance for Modality Worklist

Table 24 summarizes the behavior of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 when encountering status codes in a MWL C-FIND response.

Additional attributes sent by RIS SCP, other than the ones listed in the following table, will be ignored by the ClearVue system. A message “query failed” will appear on the user interface if ClearVue 350/550/580 2.0 and ClearVue 650 1.0 receives any other SCP response status than “Success” or “Pending.”

**Table 24
MODALITY WORKLIST C-FIND RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|--|------------------------|---|
| Success | Matching is complete | 0000 | The system replaced the worklist from the response. |
| Refused | Out of Resources | A700 | The Association is aborted using A-ABORT. The worklist is not replaced. |
| Failed | Identifier does not match SOP Class | A900 | Same as “Refused” above. |
| Failed | Unable to Process | C000 – CFFF | Same as “Refused” above. |
| Cancel | Matching terminated due to Cancel request | FE00 | The retrieved items are ignored. |
| Pending | Matches are continuing | FF00 | Continue. |
| Pending | Matches are continuing – Warning that one or more Optional Keys were not supported | FF01 | Continue. |
| * | * | Any other status code. | Same as “Refused” above. |

Table 25 summarizes the behavior of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 during communication failure.

**Table 25
MODALITY WORKLIST COMMUNICATION FAILURE BEHAVIOR**

| Exception | Behavior |
|--|--|
| Timeout | Same as Service Status "Refused" in the table above. |
| Association aborted by the SCP or network layers | Same as Service Status "Refused" in the table above. |

Table 26 describes the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Worklist Matching Keys and requested attributes. Unexpected attributes returned in a C-FIND response are ignored.

Non-matching responses returned by the SCP due to unsupported optional matching keys are ignored.

**Table 26
WORKLIST MATCHING KEYS**

| Module Name Attribute Name | Tag | VR | M | R | D | IOD |
|--|-------------|----|------|---|---|-----|
| Scheduled Procedure Step | | | | | | |
| Scheduled Procedure Step Sequence | (0040,0100) | SQ | | x | | |
| > Scheduled Station AE Title | (0040,0001) | AE | S, * | x | | x |
| > Scheduled Procedure Step Start Date | (0040,0002) | DA | S, R | x | | x |
| > Scheduled Procedure Step Start Time | (0040,0003) | TM | | x | x | x |
| > Scheduled Procedure Step End Date | (0040,0004) | DA | | x | | |
| > Scheduled Procedure Step End Time | (0040,0005) | TM | | x | | |
| > Modality | (0008,0060) | CS | S, * | x | | x |
| > Scheduled Performing Physician's Name ¹ | (0040,0006) | PN | | x | | x |
| > Scheduled Procedure Step Description ² | (0040,0007) | LO | | x | x | x |
| > Scheduled Protocol Code Sequence ³ | (0040,0008) | SQ | | x | | x |
| > Scheduled Station Name | (0040,0010) | SH | | x | | |
| > Scheduled Procedure Step Location ⁴ | (0040,0011) | SH | | x | x | x |
| > Pre-Medication | (0040,0012) | LO | | x | | |
| > Scheduled Procedure Step ID | (0040,0009) | SH | | x | | x |
| > Requested Contrast Agent | (0032,1070) | LO | | x | | |
| > Scheduled Procedure Step Status | (0040,0020) | CS | | x | | x |
| > Comments on the Scheduled Procedure Step | (0040,0400) | LT | | x | | |
| Requested Procedure | | | | | | |
| Requested Procedure ID ⁵ | (0040,1001) | SH | | x | | x |
| Reason for the Requested Procedure ⁶ | (0040,1002) | LO | | x | | |
| Requested Procedure Description | (0032,1060) | LO | | x | | x |
| Study Instance UID | (0020,000D) | UI | | x | | x |
| Referenced Study Sequence | (0008,1110) | SQ | | x | | x |
| Requested Procedure Code Sequence | (0032,1064) | SQ | | x | | |
| Names of Intended Recipients of Results | (0040,1010) | PN | | x | | |
| Requested Procedure Comments | (0040,1400) | LT | | x | | |

| | | | | | | |
|---|-------------|-----------|----------|----------|----------|------------|
| Imaging Service Request | | | | | | |
| Accession Number ⁷ | (0008,0050) | SH | | x | x | x |
| Requesting Physician | (0032,1032) | PN | | x | | |
| Requesting Service | (0032,1033) | LO | | x | | |
| Referring Physician's Name ⁸ | (0008,0090) | PN | | x | x | x |
| Reason for the Imaging Service Request ⁹ | (0040,2001) | LO | | x | x | |
| Imaging Service Request Comments | (0040,2400) | LT | | x | | |
| Module Name | Tag | VR | M | R | D | IOD |
| Attribute Name | | | | | | |
| Visit Admission | | | | | | |
| Current Patient Location | (0038,0300) | LO | | x | | |
| Patient Identification | | | | | | |
| Patient's Name | (0010,0010) | PN | | x | x | x |
| Patient ID | (0010,0020) | LO | | x | x | x |
| Other Patient IDs ¹⁰ | (0010,1000) | LO | | x | x | x |
| Patient Demographic | | | | | | |
| Patient's Birth Date ¹¹ | (0010,0030) | DA | | x | x | x |
| Patient's Birth Time ¹¹ | (0010,0032) | TM | | x | x | |
| Patient's Sex ¹² | (0010,0040) | CS | | x | x | x |
| Patient's Age ¹³ | (0010,1010) | AS | | | | |
| Patient Size ¹⁴ | (0010,1020) | DS | | x | x | x |
| Ethnic Group | (0010,2160) | SH | | x | | |
| Patient's Weight ¹⁵ | (0010,1030) | DS | | x | x | x |
| Patient Comments | (0010,4000) | LT | | x | x | |
| Referenced Patient Sequence | (0008,1120) | SQ | | x | | x |
| Patient Medical | | | | | | |
| Medical Alerts | (0010,2000) | LO | | x | | |
| Additional Patient's History | (0010,21B0) | LT | | x | | |
| Pregnancy Status | (0010,21C0) | US | | x | | |

* = Wildcard matching

The above table should be read as follows:

Module Name: The name of the associated module for supported worklist attributes.

Attribute Name: Attributes supported to build a ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Worklist Request Identifier.

Tag: DICOM tag for this attribute.

VR: DICOM VR for this attribute.

M: Matching keys for (automatic) Worklist Update. An "S" indicates that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 supplies an attribute value for Single Value Matching, "R" indicates a Range Value and "*" is for Wildcard matching. See section 4.2.2.3.1.1 for setup location.

R: Return keys. An "x" indicates that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 supplies this attribute as a Return Key with zero length for Universal Matching.

D: Displayed keys. An "x" indicates that this worklist attribute is displayed to the user in the Patient Data Entry screen or Worklist Directory.

IOD: An "x" indicates that this Worklist attribute's data is included into applicable Image, SR or MPPS Object Instances created during performance of the related Procedure Step.

Notes:

1 Scheduled Performing Physician's Name is set in MPPS, sets the "Performed by" field in the Patient ID screen.

- 2 Scheduled Procedure Step Description is set in MPPS and images. May be used to set “Description” field in the Patient Selection screen and is mapped to “Study Description” in images. 2nd Configuration choice for “Study Description” in images.
- 3 Returned Scheduled Protocol Code Sequence contents are mapped to Scheduled Action Item Code Sequence and Performed Action Item Code Sequence in MPPS. If Code Meaning is present it is the 3rd Configuration option for Study description in images.
- 4 Scheduled Procedure Step Location sets the “Location” field in the Patient Selection Screen.
- 5 Requested Procedure Description value is set in the “Description” field of the Patient Selection screen and “Study Description” of the Patient ID screen. Manual entry to Study Description field is also sent in Image and MPPS messages.
- 6 May be used to set “Indication” field on Patient Selection screen. 1st choice, configurable. Not exported in DICOM.
- 7 Displayed on Patient ID screen and sent in MPPS and Images.
- 8 Sets the “Referring Physician” in Patient ID and Patient Selection screens.
- 9 May be used to set “Indication” field on Patient Selection screen. 2nd choice, configurable.
- 10 Displayed in “Alternate ID Number” field of Patient ID screen. Sent only in Images.
- 11 Birth Date and Birth Time can populate the ‘DOB’ field of Patient ID screen. Birth Date only is sent in MPPS messages.
- 12 Populates the “Gender” field in the Patient Selection screen.
- 13 Populates the “Age” field in the Patient Selection screen.
- 14 Populates “Height” fields in “Patient ID” and “Patient Selection” screens.
- 15 Populates “Weight” fields in “Patient ID” and “Patient Selection” screens.

4.2.2.3.2 Activity –Acquire Images

4.2.2.3.2.1 Description and Sequencing of Activities

An association to the configured MPPS SCP system is established immediately after the closing the Patient Data Entry screen, sending the MPPS N-Create message with status of “IN PROGRESS”.

The “End Exam” button causes a “COMPLETED” status in the N-Set message. An exam for which an MPPS Instance is sent with a state of “COMPLETED” can no longer be updated; however, it may be appended. See section 4.1.1, Application Data Flow for details on append.

Pressing the “Cancel” button causes a “DISCONTINUED” message. An exam for which an MPPS Instance is sent with a state of “DISCONTINUED” can also no longer be updated; however, it may be appended. See section 4.1.1, Application Data Flow for details on append.

The system supports creation of “unscheduled cases” by allowing MPPS instances to be communicated for locally registered Patients.

The system performs a single Performed Procedure Step at a time per Scheduled Procedure Step.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will initiate an Association to issue an:

- N-CREATE request according to the CREATE Modality Performed Procedure Step SOP Instance operation or a
- N-SET request to finalize the contents and state of the MPPS according to the SET Modality Performed Procedure Step Information operation.

The opening of a study marks the beginning of a new Modality Performed Procedure Step (MPPS). At this time, a MPPS record is created on the MPPS SCP through the use of the N-CREATE service. If the MPPS SCP is unavailable at this time, the request is queued and will be sent when the MPPS SCP is available.

When the user ends the scheduled procedure by closing the study and saving any changes, the MPPS status is “Completed”. Alternatively, the user may choose to cancel acquisition, the study is saved in local storage and the

MPPS status becomes “Discontinued”. At this time, the Study Management AE attempts to modify the MPPS on the MPPS SCP through the use of the N-SET service. If the MPPS SCP is unavailable, the request is queued and will be sent when the MPPS SCP is available.

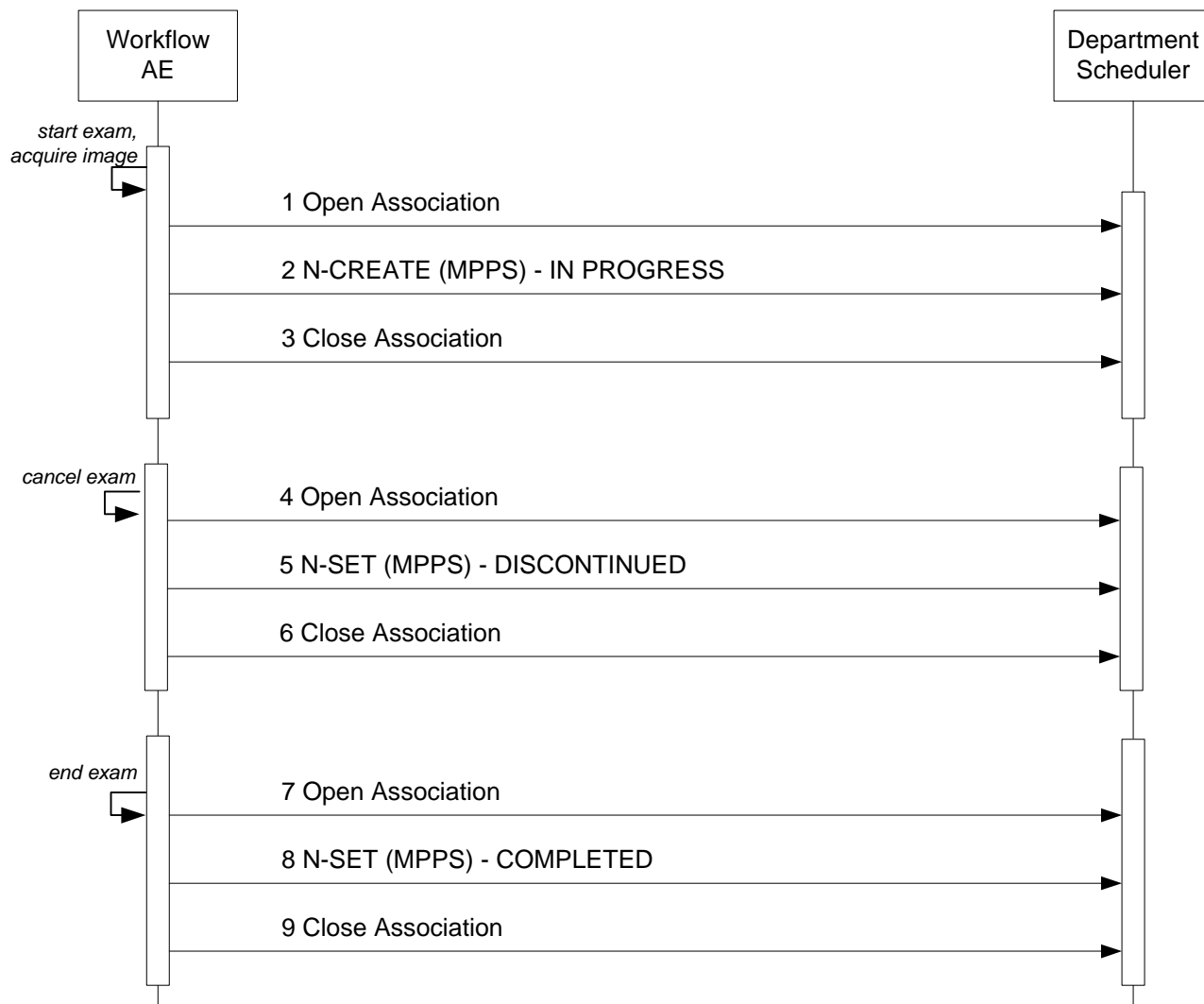


Figure 6
SEQUENCING OF ACTIVITY – ACQUIRE IMAGES

A possible sequence of interactions between the Workflow AE and a Departmental Scheduler (e.g. a device such as a RIS or HIS which supports the MPPS SOP Class as an SCP) is illustrated in Figure 6.

Note: The Cancel and End Exam commands are mutually exclusive. They are both represented here for illustration purposes only. Actual workflow uses one or the other for a given exam.

4.2.2.3.2.2 Proposed Presentation Contexts

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will propose Presentation Contexts as shown in the following table:

**Table 27
PROPOSED PRESENTATION CONTEXTS FOR REAL-WORLD ACTIVITY ACQUIRE IMAGES**

| Presentation Context Table | | | | | |
|--------------------------------------|-----------------------------|---|--|------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Modality Performed Procedure Step | 1.2.840.10008.3.1 .2.3.3 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |

*Note: If the worklist server accepts Explicit VR Little Endian and Implicit VR Little Endian then ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will use Explicit VR Little Endian Transfer Syntax.

4.2.2.3.2.3 SOP Specific Conformance for MPPS

Table 28 summarizes the behavior of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 when encountering status codes in an MPPS N-CREATE or N-SET response.

The updated attributes are shown in Table 30 below. The “N_CREATE Usage” column shows the attributes transmitted when the status of the study changes to “IN_PROGRESS”. The “N-SET Usage” column shows the attributes transmitted when the status of the study changes to “COMPLETED” or “DISCONTINUED”.

Note: The following fields are copied from the selected MWL entry to the Patient ID screen:

- Accession Number
- Patient’s Name
- Patient’s ID
- Patient’s Birth Date
- Patient’s Sex
- Referring Physician’s Name
- Study description

Usually, the performing physician will accept the information in the Patient ID Screen, as is, however the physician has the option of editing the information before starting the study. If the physician edits this information then the MPPS N-CREATE command that is sent to the MPPS server on study start will use the edited information and not the original MWL information.

**Table 28
MPPS N-CREATE / N-SET RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|---|------------------------|---|
| Success | Success | 0000 | The SCP has completed the operation successfully. |
| Failure | Processing Failure – Performed Procedure Step Object may no longer be updated | 0110 | The Association is aborted. |
| Warning | Attribute Value Out of Range | 0116H | The error message is displayed. |
| * | * | Any other status code. | Same as “Failure” above. |

Table 29 summarizes the behavior of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 during communication failure.

**Table 29
MPPS COMMUNICATION FAILURE BEHAVIOR**

| Exception | Behavior |
|--|--------------------------|
| Timeout | Same as "Failure" above. |
| Association aborted by the SCP or network layers | Same as "Failure" above. |

Table 30 provides a description of the MPPS N-CREATE and N-SET request identifiers. Empty cells in the N-CREATE and N-SET columns indicate that the attribute is not sent.

**Table 30
MPPS N-CREATE / N-SET REQUEST IDENTIFIER**

| Attribute Name | Tag | VR | N-CREATE | N-SET |
|------------------------------|-------------|----|---|-------|
| Specific Character Set | (0008,0005) | CS | See Section 6 for details. | |
| Modality | (0008,0060) | CS | US | |
| Referenced Patient Sequence | (0008,1120) | SQ | If available from MWL, else NULL | |
| > Referenced SOP Class UID | (0008,1150) | UI | 1.2.840.10008.3.1.2.1.1 No value sent for unscheduled study. | |
| >Referenced SOP Instance UID | (0008,1155) | UI | No value sent for unscheduled study. | |
| Patient's Name | (0010,0010) | PN | As received from MWL or entered in PDE. | |
| Patient ID | (0010,0020) | LO | From Modality Worklist or user input to the "MRN" field. MWL value may be edited. | |
| Patient's Birth Date | (0010,0030) | DA | Same as above, except "Patient's Birth Date" field. | |
| Patient's Sex | (0010,0040) | CS | Same as above, except "Gender" field. | |
| Study ID | (0020,0010) | SH | System Generated, starting with 1 and incrementing for each study, | |
| Performed Station AE Title | (0040,0241) | AE | AE Title from configuration (requires power cycle to use updated setting) | |
| Performed Station Name | (0040,0242) | SH | Same as "Performed Station AE Title" tag above. | |
| Performed Location | (0040,0243) | SH | If available from MWL, else NULL | |

| Attribute Name | Tag | VR | N-CREATE | N-SET |
|--------------------------------------|-------------|----|--|--|
| Performed Procedure Step Start Date | (0040,0244) | DA | Actual start date (on close of PDE screen) | |
| Performed Procedure Step Start Time | (0040,0245) | TM | Actual start time (on close of PDE screen) | |
| Procedure Code Sequence | (0008,1032) | SQ | Mapped from Requested Procedure Code Sequence (0032,1064) from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Code Value | (0008,0100) | SH | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Coding Scheme Designator | (0008,0102) | SH | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Coding Scheme Version | (0008,0103) | SH | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Code Meaning | (0008,0104) | LO | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| Performed Procedure Step End Date | (0040,0250) | DA | Zero length | Actual end date |
| Performed Procedure Step End Time | (0040,0251) | TM | Zero length | Actual end time |
| Performed Procedure Step Status | (0040,0252) | CS | IN PROGRESS | COMPLETED or DISCONTINUED |
| Performed Procedure Step ID | (0040,0253) | SH | Auto generated in the format, <YYYYMMDD.HHMMSS> | |
| Performed Procedure Step Description | (0040,0254) | LO | Set from "Study Description" field in PDE, else mapped from Requested Procedure Description in MWL. | |
| Performed Procedure Type Description | (0040,0255) | LO | If present in MWL, else "Indication" field in PDE. | |
| Performed Protocol Code Sequence | (0040,0260) | SQ | Zero length, or mapped from MWL Scheduled Protocol Code Sq (0040,0008) | Same |
| >Code Value | (0008,0100) | SH | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Coding Scheme Designator | (0008,0102) | SH | As received from MWL No value sent for unscheduled study. | As received from MWL No value sent for unscheduled study. |
| >Code Meaning | (0008,0104) | LO | As received from MWL | As received from MWL |

| Attribute Name | Tag | VR | N-CREATE | N-SET |
|--|-------------|----|--|--------------------------------------|
| | | | No value sent for unscheduled study. | No value sent for unscheduled study. |
| Scheduled Step Attributes Sequence | (0040,0270) | SQ | | |
| > Accession Number | (0008,0050) | SH | From MWL or user PDE input. MWL value may be edited. | |
| > Referenced Study Sequence | (0008,1110) | SQ | One item per item in the MWL Reference Study Sequence. Absent if unscheduled. | |
| >> Referenced SOP Class UID | (0008,1150) | UI | Same value as in of the Reference Study Sequence in the MWL | |
| >> Referenced SOP Instance UID | (0008,1155) | UI | Same value as in of the Reference Study Sequence in the MWL | |
| > Study Instance UID | (0020,000D) | UI | Same value as in MWL attribute or auto generated | |
| > Requested Procedure Description | (0032,1060) | LO | Same value as in MWL attribute, 1 st Choice, from "Study Description" in PDE, else NULL | |
| > Scheduled Procedure Step Description | (0040,0007) | LO | Same value as in MWL attribute, else NULL | |
| > Scheduled Protocol Code Sequence | (0040,0008) | SQ | Same value as in MWL attribute, else NULL | |
| >>Code Value | (0008,0100) | SH | Same value as in MWL attribute, else NULL | |
| >>Coding Scheme Designator | (0008,0102) | SH | Same value as in MWL attribute, else NULL | |
| >>Code Meaning | (0008,0104) | LO | Same value as in MWL attribute, else NULL | |
| > Scheduled Procedure Step ID | (0040,0009) | SH | Same value as in MWL attribute, else NULL | |
| > Requested Procedure ID | (0040,1001) | SH | Same value as in MWL attribute, else NULL | |
| Performed Series Sequence | (0040,0340) | SQ | | One item per acquired series |
| > Retrieve AE Title | (0008,0054) | AE | Zero Length | Same |
| > Series Description | (0008,103E) | LO | Zero Length | Same |
| > Performing Physician's Name | (0008,1050) | PN | From the "Performed by" field in PDE | From the "Performed by" field in PDE |
| > Operator's Name | (0008,1070) | PN | From the "Performed by" field in PDE | Same |

| Attribute Name | Tag | VR | N-CREATE | N-SET |
|--|-------------|----|----------------|-------------|
| > Referenced Image Sequence | (0008,1140) | SQ | Zero Length | Zero Length |
| >> Referenced SOP Class UID | (0008,1150) | UI | | |
| >> Referenced SOP Instance UID | (0008,1155) | UI | | |
| > Protocol Name | (0018,1030) | LO | "Free Form" | "Free Form" |
| > Series Instance UID | (0020,000E) | UI | Auto Generated | Same |
| > Referenced Non-Image Composite SOP Instance Sequence | (0040,0220) | SQ | Zero Length | Zero Length |

4.2.2.4 Association Acceptance Policy

The Workflow Application Entity does not accept Associations.

4.2.3 Hardcopy Application Entity Specification

4.2.3.1 SOP Classes

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 provides Standard Conformance to the following SOP Classes:

Table 31
SOP CLASSES FOR AE HARDCOPY

| SOP Class Name | SOP Class UID | SCU | SCP |
|---------------------------------------|------------------------|-----|-----|
| Basic Grayscale Print Management Meta | 1.2.840.10008.5.1.1.9 | Yes | No |
| Basic Color Print Management Meta | 1.2.840.10008.5.1.1.18 | Yes | No |

The Print Meta SOP Classes are defined by the following set of supported SOP Classes:

- Basic Film Session SOP Class
- Basic Film Box SOP Class
- Basic Grayscale (or Color) Image Box SOP Class
- Printer SOP Class

Important note about printing by ClearVue 350/550/580 2.0 and ClearVue 650 1.0:

- The number of Film Boxes per session is one
- The number of images per Film Box is one
- Most image formatting and layout is performed by ClearVue 350/550/580 2.0 and ClearVue 650 1.0 resulting in a single rather large dataset sent to the printer
- ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will release the associations after the print command (N-Action-Rq) is sent. It will not hold the association open to receive the printer's N-Event-Report message.

4.2.3.2 Association Establishment Policy

4.2.3.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

Table 32
DICOM APPLICATION CONTEXT FOR AE HARDCOPY

| | |
|--------------------------|-----------------------|
| Application Context Name | 1.2.840.10008.3.1.1.1 |
|--------------------------|-----------------------|

4.2.3.2.2 Number of Associations

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 initiates one Association at a time for each configured hardcopy device. Multiple hardcopy devices can be configured.

Table 33
NUMBER OF ASSOCIATIONS INITIATED FOR AE HARDCOPY

| | |
|---|---|
| Maximum number of simultaneous Associations | 2 |
|---|---|

Note: One Black and White only Printer/Server and one Color Printer/Server.

4.2.3.2.3 Asynchronous Nature

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not support asynchronous communication (multiple outstanding transactions over a single Association).

Table 34
ASYNCHRONOUS NATURE AS A SCU FOR AE HARDCOPY

| | |
|---|---|
| Maximum number of outstanding asynchronous transactions | 1 |
|---|---|

4.2.3.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

Table 35
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE HARDCOPY

| Implementation Class UID | Implementation Version Name |
|--------------------------|-----------------------------|
| ClearVue 350_200 | 1.3.46.670589.14.5000.200 |
| ClearVue 550_200 | 1.3.46.670589.14.6000.200 |
| ClearVue 580_200 | 1.3.46.670589.14.9003.200 |
| ClearVue 650_100 | 1.3.46.670589.14.9002.100 |

4.2.3.3 Association Initiation Policy

4.2.3.3.1 Activity – Film Images

4.2.3.3.1.1 Description and Sequencing of Activities

The system composes images onto film sheets and sends print requests to job queue.

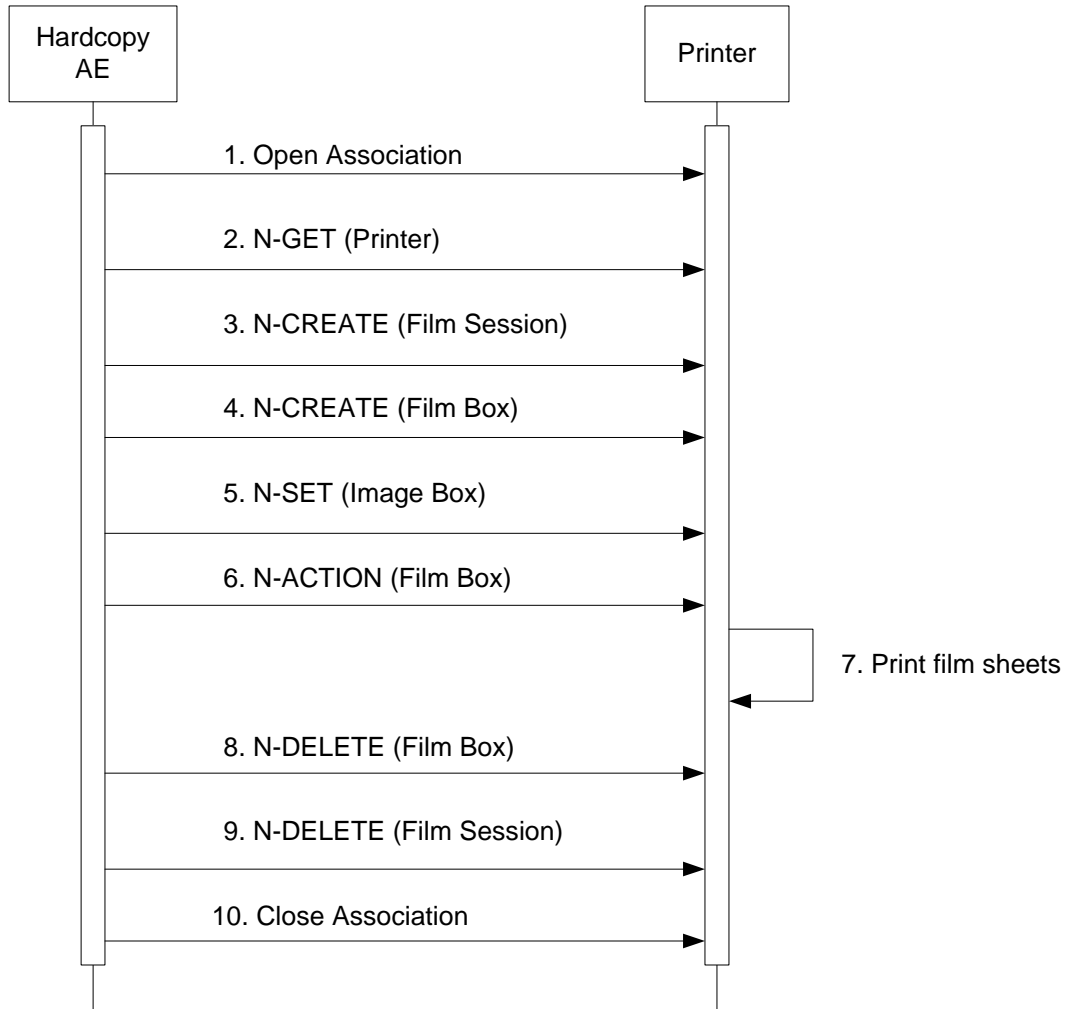


Figure 7
SEQUENCING OF ACTIVITY – PRINT IMAGES

Figure 7 illustrates a typical sequence of DIMSE messages sent over an association between Hardcopy AE and a Printer. Two DICOM Printers may be simultaneously configured, one for BW and one for Color prints.

If both BW and Color printers are configured and selected, the images that contain color data, i.e., Color Flow Doppler or “Chroma” will be sent to the Color printer, and all other images will be sent to the BW printer.

In “Send as you go”, images will be sent to the printer when the number needed to fill the configured format is met, until “End Exam” is pressed when page(s) that have not been exported will be sent. In “Batch mode” or “Manual”, each formatted page is sent as soon as it is composed by the system. If fewer images than a full page are sent, the remaining blank spaces will be sent black.

Status of the print-job is reported through the Job Manager (CNTL-J). Only one job will be active at a time for each separate hardcopy device. If any response from the remote application contains a status other than Success or Warning, the association is aborted and the related job is switched to a failed state. It can be restarted any time by user interaction.

4.2.3.3.1.2 Proposed Presentation Contexts

Table 36 shows the Presentation Contexts ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is capable of proposing.

**Table 36
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY FILM IMAGES**

| Presentation Context Table | | | | | |
|---------------------------------------|----------------------------|---|--|------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Basic Grayscale Print Management Meta | 1.2.840.10008.5.1 .1.9 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |
| Basic Color Print Management Meta | 1.2.840.10008.5.1 .1.18 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |

* Note: If the worklist server accepts Explicit VR Little Endian and Implicit VR Little Endian then ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will use Explicit VR Little Endian Transfer Syntax.

4.2.3.3.1.3 Common SOP Specific Conformance for all Print SOP Classes

Table 37 summarizes the general behavior of Hardcopy AE during communication failure. This behavior is common for all SOP Classes supported by Hardcopy AE.

**Table 37
HARDCOPY COMMUNICATION FAILURE BEHAVIOR**

| Exception | Behavior |
|--|--|
| Timeout | The Association is aborted and reported as "Failed." |
| Association aborted by the SCP or network layers | "Network Communication Failure" is reported. |

4.2.3.3.1.4 SOP Specific Conformance for the Printer SOP Class

Hardcopy AE supports the following DIMSE operations and notifications for the Printer SOP Class:

- N-GET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.4.1 Printer SOP Class Operations (N-GET)

Hardcopy AE uses the Printer SOP Class N-GET operation to obtain information about the current printer status. Table 38 lists the attributes obtained via N-GET.

**Table 38
PRINTER SOP CLASS N-GET RESPONSE ATTRIBUTES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------|-------------|----|---------------------|-------------------|---------|
| Printer Status | (2110,0010) | CS | Provided by Printer | ALWAYS | Printer |
| Printer Status Info | (2110,0020) | CS | Provided by Printer | ALWAYS | Printer |

The Printer Status information is evaluated as follows:

1. If Printer status (2110,0010) is NORMAL, the print-job continues to be printed.
2. If Printer status (2110,0010) is FAILURE, the print-job is retried as configured then is marked as failed.
3. If Printer status (2110,0010) is WARNING, the print-job continues to be printed.

Table 39 summarizes the behavior of Hardcopy AE when encountering status codes in an N-GET response.

**Table 39
PRINTER SOP CLASS N-GET RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|-----------------|------------------------|--|
| Success | Success | 0000 | The request to get printer status information was success. |
| * | * | Any other status code. | Same as Timeout above. |

4.2.3.3.1.4.2 Printer SOP Class Notifications (N-EVENT-REPORT)

Hardcopy AE is capable of receiving an N-EVENT-REPORT request at any time during an association.

Table 40 summarizes the behavior of Hardcopy AE when receiving Event Types within the N-EVENT-REPORT.

**Table 40
PRINTER SOP CLASS N-EVENT-REPORT BEHAVIOUR**

| Event Type Name | Event Type ID | Behavior |
|-----------------|---------------|---|
| Normal | 1 | The print-job continues to be printed. |
| Warning | 2 | The print-job. For user-recoverable warnings, the job retries as configured. Then marked as failed. |
| Failure | 3 | The job retries as configured print then is marked as failed. |
| * | * | Status code of 0113H |

Table 41 summarizes the reasons for returning specific status codes in an N-EVENT-REPORT response.

**Table 41
PRINTER SOP CLASS N-EVENT-REPORT RESPONSE STATUS REASONS**

| Service Status | Further Meaning | Error Code | Reasons |
|----------------|--------------------|------------|---|
| Success | Success | 0000 | The notification event has been successfully received. |
| Failure | No Such Event Type | 0113H | An invalid Event Type ID was supplied in the N-EVENT-REPORT request. |
| Failure | Processing Failure | 0110H | An internal error occurred during processing of the N-EVENT-REPORT. A short description of the error will be returned in Error Comment (0000,0902). |

4.2.3.3.1.5 SOP Specific Conformance for the Film Session SOP Class

Hardcopy AE supports the following DIMSE operations for the Film Session SOP Class:

— N-CREATE

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.5.1 Film Session SOP Class Operations (N-CREATE)

Table 42 lists the attributes supplied in an N-CREATE Request.

**Table 42
FILM SESSION SOP CLASS N-CREATE REQUEST ATTRIBUTES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--------------------|-------------|----|--|-------------------|--------|
| Number of Copies | (2000,0010) | IS | Default 1. Range is 1 – 99. | ALWAYS | USER |
| Print Priority | (2000,0020) | CS | HIGH | ALWAYS | AUTO |
| Medium Type | (2000,0030) | CS | BLUE FILM, CLEAR FILM or PAPER and 'Printer Specific' options* | VNAP | USER |
| Film Destination | (2000,0040) | CS | MAGAZINE or PROCESSOR and 'Printer Specific' options * | ANAP | USER |
| Film Session Label | (2000,0050) | LO | Philips Medical Systems | ALWAYS | AUTO |

*Dependent on the specific printer selected

Table 43 summarizes the behavior of Hardcopy AE when encountering status codes in an N-CREATE response.

**Table 43
FILM SESSION SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|------------------------------|------------------------|---|
| Success | Success | 0000 | The SCP has completed the operation successfully. |
| Warning | Attribute Value Out of Range | 0116H | System continues operations. |
| Warning | Attribute List Error | 0107H | Same as above. |
| * | * | Any other status code. | The Association is aborted and the print-job fails. |

4.2.3.3.1.5.2 Film Session SOP Class Operations (N-DELETE)

The behavior of Hardcopy AE when encountering status codes in an N-DELETE response is summarized in the Table below:

**Table 44
PRINTER SOP CLASS N-DELETE RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|-----------------|------------------------|--|
| Success | Success | 0000 | The SCP has completed the operation successfully. |
| * | * | Any other status code. | The Association is aborted using A-ABORT and the print-job is marked as failed. The status meaning is logged and reported to the user. |

4.2.3.3.1.6 SOP Specific Conformance for the Film Box SOP Class

Hardcopy AE supports the following DIMSE operations for the Film Box SOP Class:

- N-CREATE
- N-ACTION

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.6.1 Film Box SOP Class Operations (N-CREATE)

Table 47 lists the attributes supplied in an N-CREATE Request.

**Table 47
FILM BOX SOP CLASS N-CREATE REQUEST ATTRIBUTES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------------------------|-------------|----|--|-------------------|-----------|
| Image Display Format | (2010,0010) | ST | STANDARD\1,1 | ALWAYS | AUTO |
| Referenced Film Session Sequence | (2010,0500) | SQ | | ALWAYS | AUTO |
| >Referenced SOP Class UID | (0008,1150) | UI | 1.2.840.10008.5.1.1.1 | ALWAYS | AUTO |
| >Referenced SOP Instance UID | (0008,1155) | UI | From created Film Session SOP Instance | ALWAYS | AUTO |
| Film Orientation | (2010,0040) | CS | Default = PORTRAIT, or LANDSCAPE | ALWAYS | AUTO/USER |
| Film Size ID | (2010,0050) | CS | Default – 8INX10IN and DICOM Defined Terms: 8INX10IN, 8_5INX11IN, 10INX12IN, 10INX14IN, 11INX14IN, 11INX17IN, 14INX14IN, 14INX17IN, 24CMX24CM, 24CMX30CM, A4, A3 and 'Printer Specific' options. | ALWAYS | AUTO/USER |
| Magnification Type | (2010,0060) | CS | NONE, CUBIC, BILINEAR, REPLICATE, 'Printer Specific' options | ANAP | USER |
| Min Density | (2010,0120) | US | User editable 0-999 | ANAP | USER |
| Max Density | (2010,0130) | US | User editable 0-999 | ANAP | USER |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------------|-------------|----|---|-------------------|--------|
| Trim | (2010,0140) | CS | NO | ALWAYS | AUTO |
| Configuration Information | (2010,0150) | ST | DICOM supports a “config ID#” or a “config string”. Check “Printer Catalog” for appropriate data. | ANAP | USER |

Table 48 summarizes the behavior of Hardcopy AE when encountering status codes in an N-CREATE response.

**Table 48
FILM BOX SOP CLASS N-CREATE RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|--|------------------------|---|
| Success | Success | 0000 | The SCP has completed the operation successfully. |
| Warning | Requested Max Density outside of printer’s operating range | B605H | The N-CREATE operation is considered successful but the status meaning is logged. |
| * | * | Any other status code. | The Association is aborted and the job failed. |

4.2.3.3.1.6.2 Film Box SOP Class Operations (N-ACTION)

The Hardcopy AE issues an N-ACTION Request to instruct the Print SCP to print the contents of the Film Box.

Table 49 summarizes the behavior of Hardcopy AE when encountering status codes in an N-ACTION response.

**Table 49
FILM BOX SOP CLASS N-ACTION RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|---|------------------------|--|
| Success | Success | 0000 | The SCP has completed the operation successfully. The film has been accepted for printing. |
| Warning | Film Box SOP Instance hierarchy does not contain Image Box SOP Instances (empty page) | B603H | The Association is aborted and the job is failed. |
| Failure | Unable to create Print Job SOP Instance; print queue is full. | C602 | Same as B603H above. |
| * | * | Any other status code. | Same as B603H above. |

4.2.3.3.1.7 SOP Specific Conformance for the Image Box SOP Class

Hardcopy AE supports the following DIMSE operations for the Image Box SOP Class:

- N-SET

Details of the supported attributes and status handling behavior are described in the following subsections.

4.2.3.3.1.7.1 Image Box SOP Class Operations (N-SET)

Table 50 lists the attributes supplied in an N-SET Request.

**Table 50
IMAGE BOX SOP CLASS N-SET REQUEST ATTRIBUTES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--------------------------------|-------------|----|---|-------------------|---------------------|
| Image Position | (2020,0010) | US | 1 | ALWAYS | AUTO |
| Polarity | (2020,0020) | CS | NORMAL | ALWAYS | AUTO |
| Basic Grayscale Image Sequence | (2020,0110) | SQ | Used for BW (Monochrome2) print | ALWAYS* | AUTO |
| Basic Color Image Sequence | (2020,0111) | SQ | Used for Color (RGB) print | ALWAYS* | AUTO |
| >Samples Per Pixel | (0028,0002) | US | 1 for Monochrome2 3 for RGB | ALWAYS | AUTO |
| >Photometric Interpretation | (0028,0004) | CS | MONOCHROME2 RGB | ALWAYS | AUTO |
| >Planar Configuration | (0028,0006) | US | "01" for Color-by-plane "00" for Color-by-Pixel, Used only for RGB print. | ANAP | USER |
| >Rows | (0028,0010) | US | Depends on film size | ALWAYS | See Printer Catalog |
| >Columns | (0028,0011) | US | Depends on film size | ALWAYS | See Printer Catalog |
| >Bits Allocated | (0028,0100) | US | 8 | ALWAYS | AUTO |
| >Bits Stored | (0028,0101) | US | 8 | ALWAYS | AUTO |
| >High Bit | (0028,0102) | US | 7 | ALWAYS | AUTO |
| >Pixel Representation | (0028,0103) | US | 0 | ALWAYS | AUTO |
| >Pixel Data | (7FE0,0010) | OW | Pixels of rendered film sheet. | ALWAYS | AUTO |

* Mutually exclusive attributes

Table 51 summarizes the behavior of Hardcopy AE when encountering status codes in an N-SET response.

**Table 51
IMAGE BOX SOP CLASS N-SET RESPONSE STATUS HANDLING BEHAVIOR**

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|--|------------------------|---|
| Success | Success | 0000 | The SCP has completed the operation successfully. |
| Failure | Insufficient memory in printer to store the image. | C605 | The Association is aborted and the job is failed. |
| * | * | Any other status code. | Same as C605 above. |

4.2.3.4 Association Acceptance Policy

The Hardcopy Application Entity does not accept Associations.

4.2.4 Verification Application Entity specification

4.2.4.1 SOP Class

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 provides Standard Conformance to the following SOP Class:

**Table 51.1
SOP CLASSES FOR AE VERIFICATION**

| SOP Class Name | SOP Class UID | SCU | SCP |
|----------------|-------------------|-----|-----|
| Verification | 1.2.840.10008.1.1 | Yes | Yes |

4.2.4.2 Association Establishment Policy

4.2.4.2.1 General

The DICOM standard application context name for DICOM 3.0 is always proposed:

**Table 51.2
DICOM APPLICATION CONTEXT FOR AE VERIFICATION**

| | |
|--------------------------|-----------------------|
| Application Context Name | 1.2.840.10008.3.1.1.1 |
|--------------------------|-----------------------|

4.2.4.2.2 Number of Associations

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 initiates one Association at a time for a Verification request.

**Table 51.3
NUMBER OF ASSOCIATIONS INITIATED FOR AE VERIFICATION**

| | |
|---|---|
| Maximum number of simultaneous Associations | Up to 10, one for each configured remote device |
|---|---|

**Table 51.4
NUMBER OF ASSOCIATIONS ACCEPTED FOR AE VERIFICATION**

| | |
|---|---|
| Maximum number of simultaneous Associations | Unlimited - calling AE must be already configured in ClearVue 350/550/580 2.0 and ClearVue 650 1.0. |
|---|---|

4.2.4.2.3 Asynchronous Nature

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not support asynchronous communication (multiple outstanding transactions over a single Association).

**Table 51.5
ASYNCHRONOUS NATURE AS A SCU FOR AE VERIFICATION**

| | |
|---|---|
| Maximum number of outstanding asynchronous transactions | 1 |
|---|---|

4.2.4.2.4 Implementation Identifying Information

The implementation information for this Application Entity is:

**Table 51.6
DICOM IMPLEMENTATION CLASS AND VERSION FOR AE VERIFICATION**

| Implementation Class UID | Implementation Version Name |
|--------------------------|-----------------------------|
| ClearVue 350_200 | 1.3.46.670589.14.5000.200 |
| ClearVue 550_200 | 1.3.46.670589.14.6000.200 |
| ClearVue 580_200 | 1.3.46.670589.14.9003.200 |
| ClearVue 650_100 | 1.3.46.670589.14.9002.100 |

4.2.4.3 Association Initiation Policy

4.2.4.3.1 Activity – Verify as SCU and SCP

4.2.4.3.2 Description and Sequencing of Activities

SCU: The user can verify the existence of a DICOM server on the hospitals network, through a button in the 'DICOM Setup' screen. When the user presses this button, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will initiate the association.

Only one association is established for each verification attempt. However, the proposed presentation contexts not only includes the 'Verification SOP class' but also includes all the SOP classes that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 could possibly be connected to as Servers. This is done in order to retrieve the capabilities of the remote Server.

| Presentation Context Table | | | | | |
|---|-------------------------------|--|---|-------------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Verification | 1.2.840.10008.1.1 | Explicit VR Little Endian Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU /SCP | None |
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Implicit VR Little Endian* Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 | SCU | None |
| US Multiframe Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy Baseline RLE Lossless | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 | SCU | None |
| Comprehensive Structured Report Storage | 1.2.840.10008.5.1.4.1.1.88.33 | Implicit VR Little Endian Explicit VR Little Endian | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 | SCU | None |
| Storage Commitment Push Model | 1.2.840.10008.1.20.1 | Implicit VR Little Endian Explicit VR Little Endian | 1.2.840.10008.1.2 1.2.840.10008.1.2.1 | SCU | None |

| | | | | | |
|--|-------------------------|---|--|-----|------|
| Modality Worklist Information Model – FIND | 1.2.840.10008.5.1.4.31 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |
| Modality Performed Procedure Step | 1.2.840.10008.3.1.2.3.3 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |
| Basic Grayscale Print Management Meta | 1.2.840.10008.5.1.1.9 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |
| Basic Color Print Management Meta | 1.2.840.10008.5.1.1.18 | Explicit VR Little Endian* Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU | None |

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 initiates an Association in order to issue:

- C-ECHO request according to the Verification SOP Class.

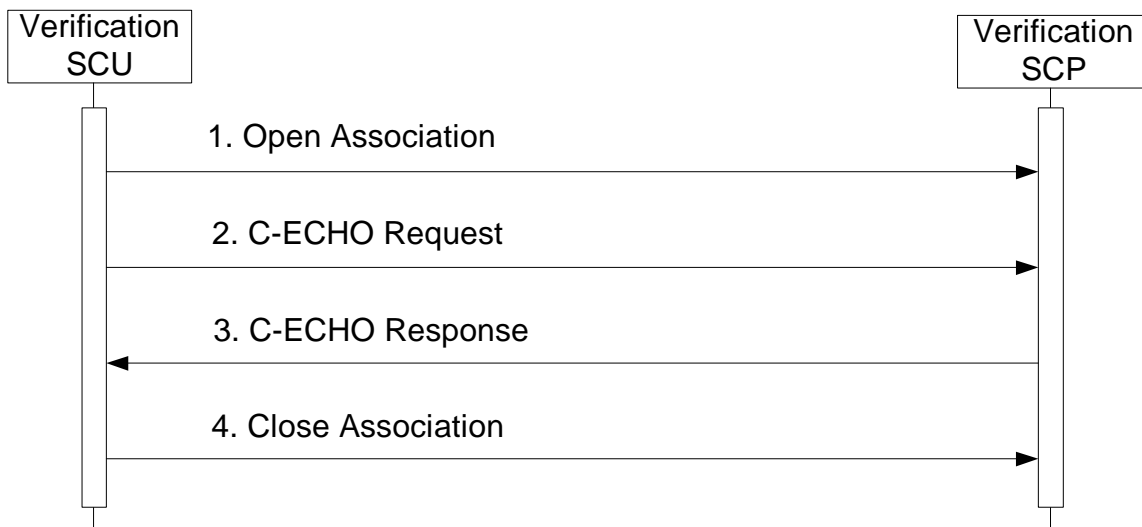


Figure 8a
SEQUENCING OF ACTIVITY – ISSUE VERIFY

SCP: The system listens on the port configured on the “This System” Configuration screen for Verification requests initiated by other remote devices. The calling device AE must already be configured as a remote device in ClearVue 350/550/580 2.0 and ClearVue 650 1.0 or the association is rejected.

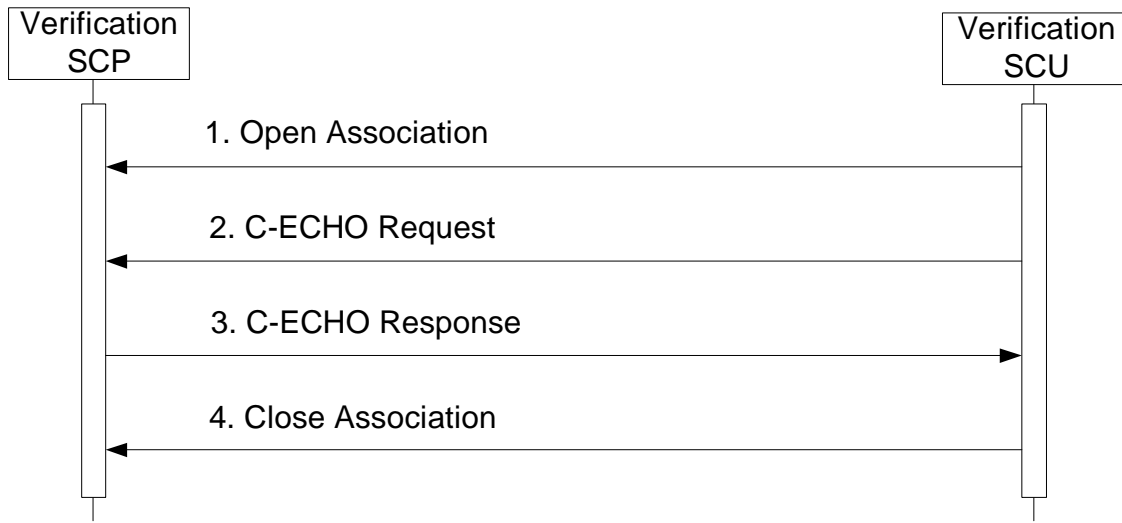


Figure 8b
SEQUENCING OF ACTIVITY – RECEIVE VERIFY

4.2.4.3.3 Proposed Presentation Contexts

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will propose Presentation Contexts as shown in the following table:

Table 51.7
PROPOSED PRESENTATION CONTEXTS FOR ACTIVITY VERIFICATION

| Presentation Context Table | | | | | |
|----------------------------|-------------------|--|--|-------------|-----------|
| Abstract Syntax | | Transfer Syntax | | Role | Ext. Neg. |
| Name | UID | Name List | UID List | | |
| Verification | 1.2.840.10008.1.1 | Explicit VR Little Endian Implicit VR Little Endian | 1.2.840.10008.1.2.1 1.2.840.10008.1.2 | SCU /SCP | None |

4.2.4.3.4 SOP Specific Conformance for Verification

Table 51.8 summarizes the behavior of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 when receiving status codes in a C-ECHO response.

A message will appear on the user interface if ClearVue 350/550/580 2.0 and ClearVue 650 1.0 receives any other SCP response status than “Success.”

Table 51.8
VERIFICATION C-ECHO RESPONSE STATUS HANDLING BEHAVIOR

| Service Status | Further Meaning | Error Code | Behavior |
|----------------|------------------|------------|---------------------------------------|
| Success | | 0000 | Device Status is set to: Verified |
| Refused | Out of Resources | A700 | Device Status is set to: Not Verified |

| Service Status | Further Meaning | Error Code | Behavior |
|-----------------------|------------------------|------------------------|--------------------------|
| Failed | Unable to Process | C000 – CFFF | Same as “Refused” above. |
| * | * | Any other status code. | Same as “Refused” above. |

4.2.4.3.4.1 Verification SOP Class Operations (C-ECHO)

4.2.4.3.5 Association Acceptance Policy

4.2.4.3.5.1 Verification SOP Class Notifications

Association Negotiation Request message contents for each DICOM device:

| Device Type | SOP Classes Requested | Additional Notes |
|----------------------------------|--|--|
| Primary or Secondary Storage SCP | US Image Storage US Multiframe Storage Verification | |
| Storage Commit SCP | Storage Commitment Verification | |
| SR Storage SCP | Comprehensive Structured Report Storage Verification | |
| SR Storage Commit SCP | Storage Commitment Verification | |
| B&W Printer SCP | Basic Grayscale META Print Verification | Color images may be sent to a bw printer if it supports converting to BW. |
| Color Printer SCP | Basic Color META Print Verification | May be the same printer if color is also supported. |
| MWL SCP | Modality Worklist Verification | MWL query settings are located in Setups > System > DICOM > DICOM Preset > Change Settings for current preset > Modify in Roles > MWL SCP – Advanced > Set Modality Worklist Query page. |
| PPS SCP | Modality Performed Procedure Step Verification | |

4.3 PHYSICAL NETWORK INTERFACES

4.3.1 Supported Communication Stacks

4.3.1.1 TCP/IP Stack

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 provides DICOM TCP/IP Network Communication Support as defined in Part 8 of the DICOM Standard.

4.3.2 Physical Network Interface

The ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system supports one network interface at a time. The following physical network interfaces are available:

**Table 52
SUPPORTED PHYSICAL NETWORK INTERFACE**

| |
|--|
| 1) Ethernet 10/100/1000BaseT, RJ-45, UTP, STP; AutoDetect Speed, Full or Half Duplex |
|--|

4.4 CONFIGURATION

AE Title/Presentation Address Mapping

The DICOM setup screen allows the user to configure a significant number of options including (but not limited to):

- For the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system, its AE Title, IP Address and Port number, Wired or Wireless connection.
- For DICOM servers, their AE Title, Port number, IP address.
- For Storage SCP's and for media storage, the image format.

Advanced settings (including Photometric Interpretation settings: MONOCHROME2, RGB, Palette color and YBR_FULL_422 and Transfer Syntaxes: Implicit Little Endian, Explicit Little Endian, RLE and JPEG for images), loop timing, pixel spacing, and display compensation.

- For DICOM Printers, many DICOM configuration settings
- For a MWL server, the query parameters: scheduled procedure start range, modality, AE Title.
- ClearVue 350/550/580 2.0 and ClearVue 650 1.0 also supports QLAB where the user can perform QLAB quantification on the system of images acquired by the system.

The Devices Configuration section allows the following device types to be configured:

| Device Type | Supported SOPs |
|----------------------------------|---|
| Primary or Secondary Storage SCP | Ultrasound Store Ultrasound Multiframe Store |
| Storage Commit SCP | Storage Commitment Push Model |
| SR Storage SCP | Comprehensive Structured Report Store |
| SR Storage Commit SCP | Storage Commitment Push Model |
| B&W Printer SCP | Basic Grayscale Print Meta |
| Color Printer SCP | Basic Color Print Meta |
| MWL SCP | Modality Worklist |
| PPS SCP | Modality Performed Procedure Step |

To configure a single server that supports image store, commitment and PPS, then a "Server" entry must be configured under "Setups>DICOM...>Change Settings for DICOM Preset>Servers and Roles>Servers". Enter

a Name (an 'alias' used in the system UI only), the appropriate AE Title, IP Address, Port number and timeout values. "Ping" sends an ICMP ping message to the address and a DICOM Verification Association message is sent to the Port and AE Title. A success message is displayed if all is configured correctly at this level. If not, an error message dialog is displayed indicating possible reasons and suggested corrective actions. Hit "Done" to continue to Role definition.

Once the server data is defined, then its role and options are configured. For each role, as in Primary Storage SCP, MPPS SCP, etc, select the server's alias name from the list. If "Advanced" options are available, select the "Advanced" button to access them,

When Role configuration is completed and "Done" is selected under "Roles", then another set of Verification messages are sent to each server confirming network connectivity and DICOM role support. A dialog box updates as the tasks are in progress. No error messages indicates successful configuration.

4.4.1.1 Local AE Title

All local AEs use the same AE Title and TCP/IP Port configured via the Setups>DICOM...>Change Settings for DICOM Setup>This System screen. The system listens on the configured Port only for Verification requests and Storage Commitment N-Event reports. The system supports Static Addressing or DHCP to receive its IP Address, Subnet Mask and Default Gateway address.

4.4.1.2 Remote AE Title/Presentation Address Mapping

The AE Titles, IP Addresses and Port numbers of remote applications are manually configured using the Setups>DICOM...>Change Settings for DICOM Preset>Servers and Roles>. The remote system's IP Address may be entered manually if known or the Host Name of the remote device may be entered and resolved by the DNS if the network includes this service.

4.4.1.2.2 Workflow

Setup is used to set the AE Title, Port number and IP Address the remote MWL SCP. Multiple MWL SCPs may be defined, but only a single remote MWL SCP can be selected at a time.

The default MWL query uses Modality = "US". This may be changed in the "Set Modality Worklist Query Customizable Queries" definition page. Alternately, "ANY" modality may be selected.

"AE Title" may be selected as the system's or a custom query value may be defined for a different AE Title or for "ANY".

The Start Date defaults to "Today" but may be modified to be "All Dates", or a Date Range that may be 0 - 99 days (or hours) Prior plus the next 0 -99 days.

The automated polling interval range for sending MWL queries is between 1 and 32,767 minutes, defaulting to 10 minutes.

Setup is used to set the AE Title, Port number and IP Address of the remote MPPS SCP. Multiple MPPS SCPs may be defined, but only a single remote MPPS SCP can be selected at a time.

4.4.1.2.3 Hardcopy

Setup is used to set the AE Titles, Port numbers and IP Addresses for the remote Print SCPs.

Multiple remote Print SCPs can be defined, but up to one Grayscale and one Color Print SCP may be selected at a time.

Automatic sending of color images to the color printer and BW images to the BW printer is selectable in the Setups>DICOM...>Change Settings for DICOM Preset>Servers and Roles>BW or Color Printer SCP Advanced settings.

5 MEDIA STORAGE
5.1 IMPLEMENTATION MODEL
5.1.1 Application Data Flow

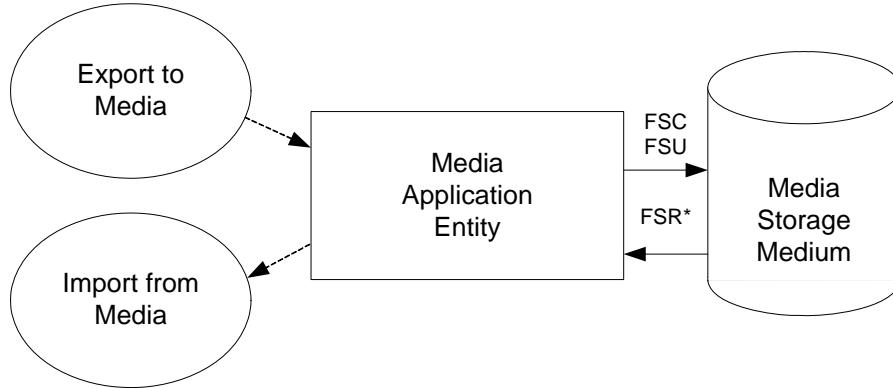


Figure 9
APPLICATION DATA FLOW DIAGRAM FOR MEDIA STORAGE

- The Media Application Entity exports Images and Structured Reports to a removable storage medium. It is associated with the local real-world activity “Export” using the configured export selection parameters for selected patients’ data (images and / or Structured Reports). For “Import”, the system will not read in Structured Reports.
- Throughout this section, the term “Media” refers to any of the media listed below which is in use.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will support the use of most writable media including CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW, and USB devices. The DICOM structure will be the same regardless of media used.

5.1.2 Functional Definition of AEs
5.1.2.1 Functional Definition of Media Application Entity

Using “Export” will pass the currently selected patients’ exams or individually selected images to the Media Application Entity. The contents of each export job will be written to the selected media destination. The size of the selected media is used to determine and display the number of media required for the export. When a device is filled to capacity, the system will prompt the user for addition media and continue.

5.1.3 Sequencing of Real-World Activities

At least one image must exist and be selected before the Media Application Entity can be invoked. The operator can insert new media at any time. The Media Application Entity will wait indefinitely for media to be inserted before starting to write to the device.

5.1.4 File Meta Information Options

The implementation information written to the File Meta Header in each file is:

Table 65
DICOM IMPLEMENTATION CLASS AND VERSION FOR MEDIA STORAGE

| Implementation Class UID | Implementation Version Name |
|--------------------------|-----------------------------|
| ClearVue 350_200 | 1.3.46.670589.14.5000.200 |
| ClearVue 550_200 | 1.3.46.670589.14.6000.200 |

| | |
|------------------|---------------------------|
| ClearVue 580_200 | 1.3.46.670589.14.9003.200 |
| ClearVue 650_100 | 1.3.46.670589.14.9002.100 |

5.2 AE SPECIFICATIONS

5.2.1 Media Application Entity Specification

The Media Application Entity provides standard conformance to the DICOM Interchange Option of the Media Storage Service Class. The Application Profiles and roles are listed in

Table 66
APPLICATION PROFILES, ACTIVITIES AND ROLES FOR OFFLINE-MEDIA

| Application Profiles Supported | Real World Activity | Role | SC Option |
|--|---------------------|----------|-------------|
| STD-US-SC-MF-CDR STD-GEN-CD* | Send to....Media | FSC | Interchange |
| STD-US-SC-MF-DVD STD-GEN-DVD STD-GEN-USB-JPEG | | FSC, U** | |
| STD-US-SC-MF-CDR STD-US-SC-MF-DVD STD-GEN-USB-JPEG | | R*** | |

* Note that Ultrasound-specific Application Profiles do not include Structured Report SOP Class, necessitating addition of the STD-GEN CDR and DVD Application Profiles.

** Update functionality requires DVD+RW, or USB

*** File Set Reader functionality may be limited only to media created by other ClearVue 350/550/580 2.0 and ClearVue 650 1.0 systems.

For previously imported studies, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will export the IODs using the transfer syntax and tags that were used when ClearVue 350/550/580 2.0 and ClearVue 650 1.0 originally imported the study.

Transfer Syntax and Photometric Interpretation options for removable media

| Transfer Syntax | Photometric Interpretation |
|--|----------------------------|
| Uncompressed (DICOM Explicit VR Little Endian) | Palette Color |
| Uncompressed (DICOM Explicit VR Little Endian) | RGB |
| Uncompressed (DICOM Explicit VR Little Endian) | MONOCHROME2 |
| RLE (Lossless) Compression | Palette Color |
| RLE (Lossless) Compression | RGB |
| RLE (Lossless) Compression | MONOCHROME2 |
| JPEG (Lossy) Compression | YBR_FULL_422 |

Reading a DICOM study from removable media

When requested to read the media directory, the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Application Entity acts as FSR using the Interchange Option.

Choosing the Import operation from a menu initiates importing images. See the system user manuals for a description of the specific user interface capabilities. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 doesn't support FSR role for DICOM SR.

5.2.1.1 File Meta Information for the Application Entity

The File-Set Identifier included in the File Meta Header is "".

5.2.1.2 Real-World Activities

5.2.1.2.1 Activity – Send to Media – “Export”

The Media Application Entity acts as an FSC using the interchange option when requested to export SOP Instances from the local database to media.

The contents of the export job will be written together with a corresponding DICOMDIR to media. The user can cancel an export job in the job queue.

5.2.1.2.2 Activity – Import from Media – “Import”

The Media Application Entity acts as an FSR using the interchange option when requested to import SOP Instances from media to the local database.

The Import Studies icon presents the directory of the system or the offline media. Selected exams are transferred from the media to the system for review. Objects transferred to the system retain their original SOP Instance UIDs.

Note: Structured Reports may not be read back into ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

5.2.1.2.3 Activity – Update to Media – Export”

The Media Application Entity acts as an FSU using the interchange option when requested to export SOP Instances from the local database to media upon which DICOM data already resides.

The system user selects exams from the system’s directory for transfer to media that already contains data. The DICOMDIR is updated allowing access to original and new data.

5.2.1.2.3.1 Media Storage Application Profiles

See Table 66 for supported Application Profiles.

5.2.1.2.3.2 Options

The Media Application Entity supports the SOP Classes and Transfer Syntaxes listed in Table 67.

Table 67
IODS, SOP CLASSES AND TRANSFER SYNTAXES FOR OFFLINEMEDIA

| Information Object Definition | SOP Class UID | Transfer Syntax | Transfer Syntax UID |
|--|-----------------------------------|---|--|
| Media Storage Directory Storage | 1.2.840.10008.1.3.10 | Explicit VR Little Endian | 1.2.840.10008.1.2.1 |
| US Image Storage | 1.2.840.10008.5.1.4.1. 1.6.1 | Explicit VR Little Endian JPEG Lossy Baseline RLE | 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 |
| US Multiframe Image Storage | 1.2.840.10008.5.1.4.1. 1.3.1 | Explicit VR Little Endian JPEG Lossy Baseline RLE | 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.5 |
| Comprehensive Structured Report Storage* | 1.2.840.10008.5.1.4.1. 1.88.33 | Explicit VR Little Endian | 1.2.840.10008.1.2.1 |

* Export only.

Directory Information Module

All data elements are used as described in DICOM 3.0 Part 3 for Basic Directory Object Definitions. As stated in the Ultrasound Application Profile, “The (DICOMDIR) Directory shall include Directory Records of PATIENT, STUDY, SERIES, IMAGE and SR DOCUMENT corresponding to the information object files in the File-set”. These are present when writing media. Given this requirement, ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses these directory records to identify the study to import with the exception of SR DOCUMENT. If there are DICOM image files on the

import media that do not appear in the DICOMDIR Directory Information Module (either because references to these files were omitted or because the Directory Information Module, optional in DICOM but required in the Ultrasound Application Profile, does not exist), these files are not recognized by the system.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 ignores directory Record Types other than those above.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 also ignores the "File-set consistency Flag" (0004, 1212).

Patient Directory Record

| Attribute Name | Tag | Type | Usage |
|------------------------|------------|-------------|---|
| Specific Character Set | 0008,0005 | 1C | The default DICOM character set and optional set ISO-IR 100 (Latin 1) are supported. See Section 6 for details. |
| Patient Name | 0010,0010 | 2 | Displayed to help the user identify the patient folder in which to place the studies for this patient. |
| Patient ID | 0010,0020 | 1 | Displayed to help the user identify the patient folder in which to place the studies for this patient. |

Study Directory Record

| Attribute Name | Tag | Type | Usage |
|------------------------|------------|-------------|---|
| Specific Character Set | 0008,0005 | 1C | The Default DICOM character set and optional set ISO-IR 100 (Latin 1) are supported. See Section 6 for details. |
| Study Date | 0008,0020 | 1 | Used in displaying list of studies to user |
| Study Time | 0008,0030 | 1 | Used in displaying list of studies to user |
| Accession Number | 0008,0050 | 2 | Stored in the system database |
| Study Description | 0008,1030 | 2 | Generated |
| Study Instance UID | 0020,000D | 1C | Stored in the system database |
| Study ID | 0020,0010 | 1 | Stored in the system database |

Series Directory Record

| Attribute Name | Tag | Type | Usage |
|------------------------|------------|-------------|---|
| Specific Character Set | 0008,0005 | 1C | The default DICOM character set and optional set ISO-IR 100 (Latin 1) are supported. See Section 6 for details. |
| Modality | 0008,0060 | 1 | Only US is supported. Other modalities are ignored. |
| Series Instance UID | 0020,000E | 1 | Stored |
| Series Description | 0008,103E | 3 | Stored |
| Series Number | 0020,0011 | 1 | Stored |

Image Directory Record

| Attribute Name | Tag | Type | Usage |
|--|-----------|------|---|
| Specific Character Set | 0008,0005 | 1C | The default DICOM character set and optional set ISO-IR 100 (Latin 1) are supported. See Section 6 for details. |
| Instance Number | 0020,0013 | 1 | Used |
| Referenced File ID | 0004,1500 | 1C | Used |
| Referenced SOP Class UID in File | 0004,1510 | 1C | Used |
| Referenced SOP UID in File | 0004,1511 | 1C | Used |
| Referenced Transfer Syntax UID in File | 0004,1512 | 1C | Used |
| Content Date | 0008,0023 | 3 | Used for ordering the thumbnail display. On Export, comes from the image. |
| Content Time | 0008,0033 | 3 | Used for ordering the thumbnail display. On Export, comes from the image. |

SR Document Directory Record

| Attribute Name | Tag | Type | Usage |
|--|-------------|------|---|
| Specific Character Set | 0008,0005 | 1C | The default DICOM character set and optional set ISO-IR 100 (Latin 1) are supported. See Section 6 for details. |
| Instance Number | 0020,0013 | 1 | Used |
| Referenced File ID | 0004,1500 | 1C | Used |
| Referenced SOP Class UID in File | 0004,1510 | 1C | Used |
| Referenced SOP UID in File | 0004,1511 | 1C | Used |
| Referenced Transfer Syntax UID in File | 0004,1512 | 1C | Used |
| Content Date | 0008,0023 | 3 | Used for ordering the thumbnail display. On Export, comes from the image. |
| Content Time | 0008,0033 | 3 | Used for ordering the thumbnail display. On Export, comes from the image. |
| Concept Name Code Sequence | (0040,A043) | 1 | Code describing the concept represented by the root Content Item (Document Title). |
| >Code Value | 0008,0100 | | Used to identify SR Template value |
| >Coding Scheme Designator | 0008,0102 | | DCM |
| >Code Meaning | 0008,0104 | | Name of the SR template |
| Completion Flag | 0040,A491 | | "PARTIAL" |
| Verificaiton Flag | 0040,A493 | | "UNVERIFIED" |

6 SUPPORT OF CHARACTER SETS

All ClearVue 350/550/580 2.0 and ClearVue 650 1.0 DICOM applications support the

ISO_IR 100 (ISO 8859-1:1987 Latin Alphabet No. 1 supplementary set)

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 will offer support for Chinese and Russian. This includes translating system text into these languages and allowing the user to input Chinese and Cyrillic characters into the system. One important aspect of this is that the user will be able to enter these special characters into the Patient ID screen.

The present DICOM standard allows Code Extension Techniques for multi-byte characters. Therefore, as well as the default character set (ISO-IR 6), ClearVue 350/550/580 2.0 and ClearVue 650 1.0 supports the following extended character sets:

| | |
|------------|----------------------|
| ISO-IR 100 | Latin Alphabet No. 1 |
| ISO-IR 144 | Russian Cyrillic |

Important Note:

When an Application Entity which, does not support Code Extension Techniques, receives a Data Set, which includes multi-byte characters from a ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system, misrepresentation of characters may occur.

The DICOM standard states that it is the responsibility of the Application Entity, which receives the Data Sets to take whatever action is considered necessary to minimize the effect of misrepresented characters. It is not the responsibility of the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system to take such action.

6.1 SUPPORT FOR RUSSIAN MARKETS

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses "Code-extension techniques" to encode Russian Cyrillic characters in DICOM tags with value representations of SH, LO, ST, LT, UT, and PN.

The technique requires two things in a DICOM file that contains these characters:

1. Add the Optional Specific Character Set tag (0008,0005) and set the value to the list of identifiers for all the non-standard character sets that will appear in any string in the file separated by backslashes. For example:

For Russian systems:

(0008,0005) = "ISO 2022 IR 144\ISO 2022 IR 100"

For English systems:

(0008,0005) = "ISO 2022 IR 100"

2. Embed escape sequences in the strings that contain Cyrillic characters to cause the DICOM interpreting code to switch from one character set to another.

The escape sequences to be used are defined as:

"<ESC>(B" ISO - IR 6 ASCII - DICOM default character set

"<ESC>(J" ISO - IR 144 Russian Cyrillic

6.2 SUPPORT FOR CHINESE MARKETS

The current DICOM standard as of this release of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 does not support Chinese character sets. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 however provides support for Chinese customers so that they can enter text using Chinese characters.

If the system is set up for Chinese, then the user can enter just one version of the patient name. This would make Chinese systems work in the same way as Russian, English, French, Italian, and Spanish systems. The Chinese user will be able to enter the patient name using a combination of Chinese and Roman characters – all of the characters will appear wherever the system displays the patient name (image, report, Search for Study window, etc.).

Since the DICOM Standard does not offer support for Chinese characters, all Chinese characters entered into the Patient ID screen will be lost if a user exports or backs up a study to media. This will be noticed when the study is imported back into the system; upon import, each Chinese character will be replaced with a question mark (“?”) character. The question marks will make it obvious to the user that the characters were lost.

If the user enters a patient name that consists entirely of Chinese characters, then the name will come back as “?????”. In this case, the user will have to identify the study in the “Import Study” and “Search for Study” windows by the MRN. If the user enters a patient name that consists of a combination of Roman and Chinese characters, then Roman characters will be preserved, and the name will come back as something like “Lee ????????”. This will give users who like to back up their studies the flexibility of entering a patient name with a combination of Roman and Chinese characters, and have at least part of the name come back during import.

Note that the original Chinese name will be “burned into” study images that are exported to media. These Chinese characters will remain on the images when the studies are imported back into the system.

7 SECURITY

DICOM security is not implemented on ClearVue 350/550/580 2.0 and ClearVue 650 1.0 at this time.

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 incorporates an internal firewall that only accepts incoming traffic on the designated listening port, as configured in the “This System” tab of the DICOM setups screen. Changes to this port value require a power cycle to become effective.

8 ANNEXES

8.1 CREATED IOD INSTANCES

Table 69 specifies the attributes of an Ultrasound Image transmitted by the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 storage application.

Table 70 specifies the attributes of a Comprehensive Structured Reports transmitted by the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 storage application. Please note that there are differences between which Structured Report Templates are used in each product.

The following tables use a number of abbreviations. The abbreviations used in the “Presence of ...” column are:

- VNAP Value Not Always Present (attribute sent zero length if no value is present)
- ANAP Attribute Not Always Present
- ALWAYS Always Present
- EMPTY Attribute is sent without a value

The abbreviations used in the “Source” column:

- MWL the attribute value source Modality Worklist
Unless otherwise noted, values returned from worklist may be overridden by User input.
- USER the attribute value source is from User input
- AUTO the attribute value is generated automatically
- MPPS the attribute value is the same as the Modality Performed Procedure Step service
- CONFIG the attribute value source is a configurable parameter

8.1.1 US or US Multiframe Image IOD

**Table 69
IOD OF CREATED US OR US MULTIFRAME SOP INSTANCES**

| IE | Module | Reference | Presence of Module |
|-----------|----------------------------|------------|---------------------|
| Patient | Patient | Table 71 | ALWAYS |
| Study | General Study | Table 72 | ALWAYS |
| | Patient Study | Table 73 | ALWAYS |
| Series | General Series | Table 74 | ALWAYS |
| Equipment | General Equipment | Table 75 | ALWAYS |
| Image | General Image | Table 76 | ALWAYS |
| | Image Pixel | Table 77 | ALWAYS |
| | Palette Color Lookup Table | Table 77-a | ANAP |
| | Cine | Table 78 | Only if Multi-frame |

| | | | |
|--|-----------------------|----------|---------------------|
| | Multi-frame | Table 79 | Only if Multi-frame |
| | US Region Calibration | Table 80 | ANAP |
| | US Image | Table 81 | ALWAYS |
| | VOI LUT | Table 82 | ANAP |
| | SOP Common | Table 83 | ALWAYS |

8.1.2 Comprehensive Structured Report IOD

**Table 70
IOD OF CREATED COMPREHENSIVE STRUCTURED REPORT SOP INSTANCES**

| IE | Module | Reference | Presence of Module |
|-----------|---------------------|-----------|--------------------|
| Patient | Patient | Table 71 | ALWAYS |
| Study | General Study | Table 72 | ALWAYS |
| | Patient Study | Table 73 | ALWAYS |
| Series | SR Document Series | Table 84 | ALWAYS |
| Equipment | General Equipment | Table 75 | ALWAYS |
| Document | SR Document General | Table 85 | ALWAYS |
| | SR Document Content | Table 86 | ALWAYS |
| | SOP Common | Table 87 | ALWAYS |

8.1.3 Common Modules

**Table 71
PATIENT MODULE OF CREATED SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------------|-------------|----|---|-------------------|-----------------------|
| Patient's Name | (0010,0010) | PN | Same attribute of MWL or PDE input | ALWAYS | MWL/ USER/ AUTO |
| Patient ID | (0010,0020) | LO | From MWL, user input or system generated. | ALWAYS | MWL/ USER/ AUTO |
| Patient's Birth Date | (0010,0030) | DA | Same attribute of MWL or PDE input | VNAP | MWL/ USER |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------|-------------|----|---|-------------------|--------------|
| Patient's Sex | (0010,0040) | CS | Same attribute of MWL or PDE input User Input may be: M = male F = female O = other If "Unknown", an empty string is sent. | VNAP | MWL/ USER |
| Other Patient IDs | (0010,1000) | LO | Same attribute of MWL or PDE input to Alternate ID number. | ANAP | MWL/ USER |

**Table 72
GENERAL STUDY MODULE OF CREATED SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------------------|-------------|----|---|-------------------|--------------|
| Study Instance UID | (0020,000D) | UI | Same value as in MWL or auto generated If non-Worklist, format is: 1.3.46.670589.14.<model>.<version>.4. <serno>.<datetime>.<n> <model> is 5000 for ClearVue 350, 6000 for ClearVue 550, 9003 for ClearVue 580 and 9002 for ClearVue 650. <version> is 200 for ClearVue 350/550/580 and 100 for ClearVue 650. <serno> is system serial number <datetime> is date time when the uid was requested in yyyyymmddhhmmss format <n> is the nth image generated at the <datetime>th second | ALWAYS | MWL/ AUTO |
| Study Date | (0008,0020) | DA | Study's Start Date (0040,0244). | ALWAYS | AUTO |
| Study Time | (0008,0030) | TM | Study's Start Time (0040,0245). | ALWAYS | AUTO |
| Referring Physician's Name | (0008,0090) | PN | User Input from Patient ID screen. From MWL, only Last, First and Middle names sent as "Last, First, Middle" in the Last name field. | VNAP | MWL/ USER |
| Study ID | (0020,0010) | SH | Auto-generated starting at 1 | ALWAYS | AUTO |
| Accession Number | (0008,0050) | SH | Same attribute of MWL or user PDE input. | VNAP | MWL/ USER |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------|-------------|----|--|-------------------|----------|
| Study Description | (0008,1030) | LO | <p>'Study Description' in PDE or, Configurable by the user through setup. Can either be a fixed list or (for users with a MWL server), can be obtained from the MWL Server.</p> <p>The string used will be the first non-empty string from the following list:</p> <p>Requested Procedure description tag (0032,1060),</p> <p>Scheduled Procedure Step description tag (0040,0007)</p> <p>Scheduled Procedure Step, "Code Meaning" tag (0008,0104)</p> <p>Reason for the requested procedure tag (0040,1002)</p> <p>Reason for imaging service request tag (0040,2001)</p> | ANAP | MWL/USER |

**Table 73
PATIENT STUDY MODULE OF CREATED SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|------------------------------|-------------|----|---|-------------------|----------|
| Patient Size | (0010,1020) | DS | Same value as MWL attribute or PDE input. | ANAP | MWL/USER |
| Patient's Weight | (0010,1030) | DS | Same value as MWL attribute or PDE input. | ANAP | MWL/USER |
| Additional Patient's History | (0010,21B0) | LT | Only from User Input | ANAP | USER |

**Table 74
GENERAL SERIES MODULE OF CREATED IMAGE SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------|-------------|----|-------|-------------------|--------|
| Modality | (0008,0060) | CS | "US" | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--|-------------|----|--|-------------------|----------|
| Series Instance UID | (0020,000E) | UI | <p>A system generated Unique Identifier of the form: 1.3.46.670589.14.<model>.<version>.3.<serno>.<datetime>.<n></p> <p><model> is 5000 for ClearVue 350, 6000 for ClearVue 550, 9003 for ClearVue 580 and 9002 for ClearVue 650. <version> is 200 for ClearVue 350/550/580 and 100 for ClearVue 650. <serno> is system serial number <datetime> is date time when the uid was requested in yyyyymmddhhmmss format <n> is the nth image generated at the <datetime>th second</p> <p>Note: If a study is reopened, a new SeriesInstUID would be generated and all newly acquired images would be part of the new series. Also the MPPS messages (if applicable) that would be sent when the study is restarted would contain the newly generated SeriesInstUID.</p> | ALWAYS | AUTO |
| Series Number | (0020,0011) | IS | Always 1 for images | ALWAYS | AUTO |
| Performing Physician's Name | (0008,1050) | PN | PDE input, 'Performed by'. | ANAP | USER |
| Protocol Name | (0018,1030) | LO | "Free Form" "Exercise 2 Stage" "Exercise 3 Stage" "Pharmacological 4 Stage" user defined | ANAP | AUTO |
| Series Description | (0008,103E) | LO | User entry in the 'Study Description' field of the Patient ID screen. If the user does not enter a value, this tag is not sent. | ANAP | MWL/USER |
| Operator's Name | (0008,1070) | PN | User entry in the 'Performed by' field of the Patient ID screen. If the user does not enter a value, this tag is not sent. | ANAP | MWL/USER |
| Referenced Performed Procedure Step Sequence | (0008,1111) | SQ | Identifies the MPPS SOP Instance this image is related to * Will be present when an MPPS Server is configured. | ANAP* | AUTO |
| >Referenced SOP Class UID | (0008,1150) | UI | PPS SOP Class = "1.2.840.10008.3.1.2.3.3" * Will be present when an MPPS Server is configured. | ANAP* | AUTO |
| >Referenced SOP Instance UID | (0008,1155) | UI | PPS Instance UID of the PPS generating this image * Will be present when an MPPS Server is configured. | ANAP* | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------------------------|-------------|----|---|-------------------|------------|
| Request Attributes Sequence | (0040,0275) | SQ | This sequence will be present only for scheduled study. In case of unscheduled study, this sequence will not be present. This sequence will not be present if attributes 'Requested Procedure ID' and/or 'Scheduled Procedure Step ID' is/are missing. | ANAP | AUTO / MWL |
| >Requested Procedure ID | (0040,1001) | SH | Auto-generated=Study ID or value from MWL. One item. | ANAP | AUTO / MWL |
| >Requested Procedure Description | 0032,1060 | LO | Set with the value entered or selected in "Study Description" field of Patient ID screen. If the study is started from MWL, the "Study Description" field of Patient ID screen is populated from 'Requested Procedure Description' attribute of MWL. (1st choice, configurable) | ANAP | USER / MWL |
| >Scheduled Procedure Step ID | (0040,0009) | SH | Auto-generated=Study ID or value from MWL. One item. | ANAP | AUTO / MWL |
| >Scheduled Procedure Step Description | (0040,0007) | LO | Same value as MWL attribute. | ANAP | MWL |
| >Scheduled Protocol Code Sequence | (0040,0008) | SQ | Same value as MWL attribute. | ANAP | MWL |
| Performed Procedure Step ID | (0040,0253) | SH | Set as current date and time in the format yyymmdd.hhmmss. | ANAP | AUTO |
| Performed Procedure Step Start Date | (0040,0244) | DA | Date on which the Performed Procedure Step started on close of Patient Data Entry Screen | ANAP | AUTO |
| Performed Procedure Step Start Time | (0040,0245) | TM | Time on which the Performed Procedure Step started on close of Patient Data Entry Screen | ANAP | AUTO |
| Performed Procedure Step Description | (0040,0254) | LO | Set with the value entered or selected in 'Study Description' field of Patient ID screen. If the study is started from MWL, the "Study Description" field of Patient ID screen is populated from 'Requested Procedure Description' attribute of MWL. (1st choice, configurable). | ANAP | USER / MWL |
| Performed Protocol Code Sequence | (0040,0260) | SQ | Zero length, or mapped from MWL Scheduled Protocol Code Sq (0040,0008) | ANAP | MWL |

Table 75

GENERAL EQUIPMENT MODULE OF CREATED SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------------|-------------|-----------|--|--------------------------|---------------|
| Manufacturer | (0008,0070) | LO | Philips Medical Systems | ALWAYS | AUTO |
| Institution Name | (0008,0080) | LO | Entered by the user from the 'System' tab in the 'Setup' screen ('Top Border' button).Note: If the user imports an EnVisor or ClearVue 350/550/580 2.0 and ClearVue 650 1.0 study that was generated at another institution and opens the study the institution name displayed along the top border of the system screen is the institution viewing the images not the institution where the image was acquired. The institution name where the image was acquired can however be burned into the image. Also, if the user exports the study to removable media or to a networked PACS and changes the format of the image data in some way either by exporting it in a different image format from the internal format (Palette Color, RLE) or by applying a display compensation curve, then the institution name is changed to the current institution. 'Philips Healthcare' default. | VNAP | CONFIG |
| Station Name | (0008,1010) | SH | The AE Title of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system on which the image is acquired. The user can configure the AE Title of the system through 'Setup'. | VNAP | CONFIG |
| Software Version(s) | (0018,1020) | LO | This is a multi-valued tag which contains the following components: Model Name ClearVue 350_100 or ClearVue 550_100 or ClearVue 650_100 Then the part number and version of PRINTERS Ultrasound Application DRIVERS Operating System. | ALWAYS | AUTO |
| Manufacturer's Model Name | (0008,1090) | LO | ClearVue 350 or ClearVue 550 or ClearVue 650 | ALWAYS | AUTO |

8.1.4 US or Multiframe Image Modules

**Table 76
GENERAL IMAGE MODULE OF CREATED US SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------|-------------|----|---|-------------------|--------|
| Instance Number | (0020,0013) | IS | Generated by device, increments from "1" in each series. Gaps in values may exist if images are deleted on the system prior to export. | ALWAYS | AUTO |
| Patient Orientation | (0020,0020) | CS | The system sends the empty tag for 2D/3D and is not used for PanView images. | VNAP | AUTO |
| Content Date | (0008,0023) | DA | <yyyymmdd> | ALWAYS | AUTO |
| Content Time | (0008,0033) | TM | <hhmmss> | ALWAYS | AUTO |
| Image Type | (0008,0008) | CS | <p>The system computes this value as the four component multi-value attribute: "<Pixel Data Characteristics> / <Patient Examination Characteristics> / <Modality Specific Characteristics> / <Implementation Specific Identifiers>"</p> <p><Pixel Data Characteristics> Palette Color & RGB: "ORIGINAL" denotes original source-data YBR: "DERIVED" denotes pixels that have been derived from the original – in this case by lossy compression.</p> <p>MONOCHROME2: "DERIVED" denotes pixels that have been derived from the original – in this case by grayscale transformations.</p> <p><Patient Examination Characteristics> Always "PRIMARY"</p> <p><Modality Specific Characteristics> This is based on the user-selected entry in the drop down list 'Additional Data Type' on the Patient Id screen. It is mapped to the most appropriate value from the DICOM standard (Ex: "ABDOMINAL").</p> <p><Implementation Specific Identifiers>" Always blank.</p> | ALWAYS | CONFIG |
| Acquisition Date | (0008,0022) | DT | The system uses the same value as the Content Date, tag 0008,0023. | ALWAYS | AUTO |
| Acquisition Time | (0008,0032) | TM | The system uses the same value as the Content time, tag 0008,0033. | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------------|-------------|----|---|-------------------|--------|
| Acquisition Datetime | (0008,002A) | DT | The system generates this as a combination of Acquisition Date and Acquisition Time. The format is yyyyymmddhhmmss.ffffff | ALWAYS | AUTO |
| Lossy Image Compression | (0028,2110) | CS | "01" if image is lossy compressed, "00" if not. | ALWAYS | AUTO |
| Image Comments | (0020,4000) | LT | Not used with images. For reports, contains: "Report Version x Page x of x" | ANAP | AUTO |
| Presentation LUT Shape | (2050,0020) | CS | "IDENTITY". Only if "Image Export Format" is GSDF. | ANAP | AUTO |

Table 77
IMAGE PIXEL MODULE OF CREATED US OR US MULTIFRAME SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------------------|-------------|----|--|-------------------|--------|
| Samples per Pixel | (0028,0002) | US | 1 for MONOCHROME2 1 for PALETTE COLOR 3 for RGB 3 for YBR_FULL_422 | ALWAYS | CONFIG |
| Photometric Interpretation | (0028,0004) | CS | MONOCHROME2 PALETTE COLOR RGB YBR_FULL_422 | ALWAYS | CONFIG |
| Rows | (0028,0010) | US | 2D B/W & Color stills/loops, acquired with top & right border: 600 2D B/W & Color quad-sized loops from stress: 300 Reports: 600 QLAB from IMT plug-in: 600 QLAB (all others): 600 | ALWAYS | CONFIG |
| Columns | (0028,0011) | US | 2D B/W & Color stills/loops, acquired with top & right border: 800 2D B/W & Color quad-sized loops from stress: 336 Reports: 800 QLAB from IMT plug-in: 936 QLAB: 800 | ALWAYS | CONFIG |
| Bits Allocated | (0028,0100) | US | Based on the 'Image Format' that is set by the user in DICOM Setup. Palette Color Mode: 2D B&W: 8 bits 2D Color, Reports & QLAB: 16 bits RGB Mode: 2D B&W,: 8 bits | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---|-------------|---------|--|-------------------|--------|
| | | | 2D Color, Reports & QLAB: 8 bits YBR_FULL_422 Mode: 2D B&W: 8 bits 2D Color, Reports & QLAB: 8 bits MONOCHROME2 Mode: 8 bits | | |
| Bits Stored | (0028,0101) | US | Always the same numbers as Bits Allocated. | ALWAYS | AUTO |
| High Bit | (0028,0102) | US | The High Bit is always (Bits Allocated -1). | ALWAYS | AUTO |
| Pixel Representation | (0028,0103) | US | "0" pixels are Unsigned integers | ALWAYS | AUTO |
| Pixel Data | (7FE0,0010) | OW / OB | | ALWAYS | AUTO |
| Planar Configuration | (0028,0006) | US | Palette Color Images: Not present RGB Images: Zero (color-by-pixel) YBR: Images: Always zero (color-by-pixel) MONOCHROME2 Images: Not present | ALWAYS | AUTO |
| Red Palette Color Lookup Table Descriptor | (0028,1101) | IC | See Table 77-a. | ANAP | CONFIG |
| Green Palette Color Lookup Table Descriptor | (0028,1102) | IC | See Table 77-a. | ANAP | CONFIG |
| Blue Palette Color Lookup Table Descriptor | (0028,1103) | IC | See Table 77-a. | ANAP | CONFIG |
| Red Palette Color Lookup Table Data | (0028,1201) | IC | See Table 77-a. | ANAP | CONFIG |
| Green Palette Color Lookup Table Data | (0028,1202) | IC | See Table 77-a. | ANAP | CONFIG |
| Blue Palette Color Lookup Table Data | (0028,1203) | IC | See Table 77-a. | ANAP | CONFIG |

**Table 77-a
PALETTE COLOR LOOKUP TABLE MODULE**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--------------------------------|-------------|----|--|-------------------|--------|
| Red Palette Color Lookup Table | (0028,1101) | US | Used only for 2D and REPORT acquired as image. | VNAP | CONFIG |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---|-------------|----|---|-------------------|--------|
| Descriptor | | | B&W stills & loops: 256, 0, 16 Color stills & loops: 0, 0, 16 REPORT (acquired as image): xx, 0, 16 where 'xx' is a variable value. | | |
| Green Palette Color Lookup Table Descriptor | (0028,1102) | US | Used only for 2D and REPORT acquired as image. B&W stills & loops: 256, 0, 16 Color stills & loops: 0, 0, 16 REPORT (acquired as image): xx, 0, 16 where 'xx' is a variable value. | VNAP | CONFIG |
| Blue Palette Color Lookup Table Descriptor | (0028,1103) | US | Used only for 2D and REPORT acquired as image. B&W stills & loops: 256, 0, 16 Color stills & loops: 0, 0, 16 REPORT (acquired as image): xx, 0, 16 where 'xx' is a variable value. | VNAP | CONFIG |
| Red Palette Color Lookup Table Data | (0028,1201) | OW | Used only for 2D and REPORT acquired as image. | ANAP | CONFIG |
| Green Palette Color Lookup Table Data | (0028,1202) | OW | Used only for 2D and REPORT acquired as image. | ANAP | CONFIG |
| Blue Palette Color Lookup Table Data | (0028,1203) | OW | Used only for 2D and REPORT acquired as image. | ANAP | CONFIG |

**Table 78
CINE MODULE OF CREATED US MULTIFRAME SOP**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--------------------------------|-------------|----|---|-------------------|--------|
| Recommended Display Frame Rate | (0008,2144) | IS | Used for Multiframe | ANAP | AUTO |
| Cine Rate | (0018,0040) | IS | Used for Multiframe | ANAP | AUTO |
| Effective Series Duration | (0018,0072) | DS | Used for Multiframe | ANAP | AUTO |
| Frame Time | (0018,1063) | DS | Nominal time (in msec) per individual frame. Present if Frame Increment Pointer (0028,0009) points to Frame Time. Note: If you export a study to removable media using Average Frame Time, on import back into the system only the images up to but not including the loop will be imported. However the study on media is fine and can be imported onto a PACS without any problems. | ANAP | CONFIG |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------|-------------|----|---|-------------------|--------|
| Frame Time Vector | (0018,1065) | DS | An array that contains the real time increments (in msec) between frames for a Multi-frame image. Present if Frame Increment Pointer (0028,0009) points to Frame Time Vector. | ANAP | CONFIG |

Table 79
MULTI-FRAME MODULE OF CREATED US MULTIFRAME SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------------|-------------|----|--|-------------------|--------|
| Number of Frames | (0028,0008) | IS | # of frames in object | ANAP | AUTO |
| Frame Increment Pointer | (0028,0009) | AT | Configurable by the user in DICOM Setup. If the user selects a loop timing preference where each frame in a loop has the same duration then Frame Increment Pointer takes the value 0018,1063 (Frame Time). If the user selects a loop timing preference where each frame in a loop has the different duration then Frame Increment Pointer takes the value 0018,1065 (Frame Time Vector). | ANAP | CONFIG |

Table 80
US REGION CALIBRATION MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------------------------|-------------|----|---|-------------------|--------|
| Sequence of Ultrasound Regions | (0018,6011) | SQ | A sequence is present for each region on the system display | ANAP | AUTO |
| >Region Location Min x ₀ | (0018,6018) | UL | Top Left position of region. | ALWAYS | AUTO |
| >Region Location Min y ₀ | (0018,601A) | UL | Top Left position of region | ALWAYS | AUTO |
| >Region Location Max x ₁ | (0018,601C) | UL | Bottom Right position of region | ALWAYS | AUTO |
| >Region Location Max y ₁ | (0018,601E) | UL | Bottom Right position of region | ALWAYS | AUTO |
| >Physical Units X Direction | (0018,6024) | US | Enumerated Value. 2D Image = 0003H = CM MMode / Doppler = 0004H = SEC | ALWAYS | AUTO |
| >Physical Units Y Direction | (0018,6026) | US | Enumerated Value. ECG Region = 0000H = None 2D Image = 0003H = CM MMode = 0003H = CM | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-----------------------------------|-------------|----|--|-------------------|--------|
| | | | Doppler = 0007H = CM / SEC | | |
| >Physical Delta X | (0018,602C) | FD | The physical value per pixel increment | ALWAYS | AUTO |
| >Physical Delta Y | (0018,602E) | FD | The physical value per pixel increment | ALWAYS | AUTO |
| >Reference Pixel X0 | (0018,6020) | SL | The X pixel value of baseline | ALWAYS | AUTO |
| >Reference Pixel Y0 | (0018,6022) | SL | The Y pixel value of baseline | ALWAYS | AUTO |
| >Reference Pixel Physical Value X | (0018,6028) | FD | For each region, the X coordinate of the reference point for measurements within that region. | ALWAYS | AUTO |
| >Reference Pixel Physical Value Y | (0018,602A) | FD | For each region, the Y coordinate of the reference point for measurements within that region. | ALWAYS | AUTO |
| >Region Spatial Format | (0018,6012) | US | Enumerated Value. 2D (tissue or flow) = 0001H MMode (tissue or flow) = 0002H Spectral (CW or PW Doppler) = 0003H ECG (waveform) = 0004H | ALWAYS | AUTO |
| >Region Data Type | (0018,6014) | US | Enumerated Value. Tissue = 0001H (2D only, MMode = 0000H) PW Spectral Doppler = 0000H CW Spectral Doppler = 0000H ECG (waveform) = 000AH | ALWAYS | AUTO |
| >Region Flags | (0018,6016) | UL | Always set to 3. | ALWAYS | AUTO |

**Table 81
US IMAGE MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------------------|-------------|----|----------------------------------|-------------------|--------|
| Samples Per Pixel | (0028,0002) | US | See 'Image Pixel Module' | ALWAYS | AUTO |
| Photometric Interpretation | (0028,0004) | CS | See 'Image Pixel Module' | ALWAYS | CONFIG |
| Bits Allocated | (0028,0100) | US | See 'Image Pixel Module' | ALWAYS | AUTO |
| Bits Stored | (0028,0101) | US | See 'Image Pixel Module' | ALWAYS | AUTO |
| High Bit | (0028,0102) | US | See 'Image Pixel Module' | ALWAYS | AUTO |
| Planar Configuration | (0028,0006) | US | See 'Image Pixel Module' | ALWAYS | AUTO |
| Pixel Representation | (0028,0103) | US | "0" Pixels are Unsigned integers | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------------------|-------------|----|---|-------------------|--------|
| Frame Increment Pointer | (0028,0009) | AT | (0018,1063) "Frame Time" or (0018,1065) "Frame Time Vector" | ANAP | CONFIG |
| Image Type | (0008,0008) | CS | See 'General Image Module' | ALWAYS | CONFIG |
| Lossy Image Compression | (0028,2110) | CS | "01" if image is lossy compressed, "00" if not. | ALWAYS | AUTO |
| Ultrasound Color Data Present | (0028,0014) | US | 0 or 1 | ALWAYS | AUTO |
| Acquisition Datetime | (0008,002A) | DT | The date and time that the acquisition of data that resulted in this image started. | ALWAYS | AUTO |
| Transducer Data | (0018,5010) | LO | Transducer name. VM = 3, the last two fields are written as "UNUSED". | ALWAYS | AUTO |
| Transducer Type | (0018,6031) | LO | SECTOR_PHASED, LINEAR, CURVED LINEAR Only used for 2D images; not used for Doppler-only images (i.e. pencil probes) | ANAP | AUTO |
| Processing Function | (0018,5020) | LO | The factory-defined exam/preset that was active when the image was acquired even if a user-defined preset. | ALWAYS | AUTO |

**Table 82
VOI LUT MODULE OF CREATED US SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------|-------------|----|---|-------------------|--------|
| Window Center | (0028,1050) | DS | 2^{n-1} where n is the number of bits per pixel n = 8 Center = 128 n = 16 Center = 32768 Value only meaningful with MONOCHROME2. | ANAP | AUTO |
| Window Width | (0028,1051) | DS | 2^n where n is the number of bits per pixel n = 8 Width = 256 n = 16 Width = 65336 Value only meaningful with MONOCHROME2. | ANAP | AUTO |

**Table 83
SOP COMMON MODULE OF CREATED US IMAGE OR US MULTIFRAME IMAGE SOP INSTANCES**

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|----------------|-------------|----|---|-------------------|--------|
| SOP Class UID | (0008,0016) | UI | 1.2.840.10008.5.1.4.1.1.6.1 for US Image 1.2.840.10008.5.1.4.1.1.3.1 for US Multiframe Image | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|------------------------|-------------|----|---|-------------------|--------|
| SOP Instance UID | (0008,0018) | UI | Generated by device in the format: For ClearVue 350_200 – 1.3.46.670589.14.5000.200.2.xxxxxx.yyyymmddhhmmsss.v For ClearVue 550_200 – 1.3.46.670589.14.6000.200.2.xxxxxx.yyyymmddhhmmsss.v For ClearVue 580_200 – 1.3.46.670589.14.9003.200.2.xxxxxx.yyyymmddhhmmsss.v For ClearVue 650_100 – 1.3.46.670589.14.9002.100.2.xxxxxx.yyyymmddhhmmsss.v where 2 indicates a SOP Instance UID, x indicates the system serial number, then date and time and v is a counter of the instances. | ALWAYS | AUTO |
| Specific Character Set | (0008,0005) | CS | The attribute contains all the character sets used (this is a multi-value attribute). See Section 6 for more information on the character sets that this system uses. ISO_IR 100 and possibly more. The most likely scenario that would require a non Basic Character set would be when the system has been set to a locale that uses non Basic characters (e.g. Russia) AND the user has entered one of these characters into the Patient Identification screen, | ALWAYS | AUTO |

8.1.5 Comprehensive Structured Report Modules

Table 84

SR DOCUMENT SERIES MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--|-------------|----|---|-------------------|--------|
| Modality | (0008,0060) | CS | "SR" | ALWAYS | AUTO |
| Series Instance UID | (0020,000E) | UI | Auto-generated | ALWAYS | AUTO |
| Series Number | (0020,0011) | IS | A number unique within the Study starting with 2. | ALWAYS | AUTO |
| Referenced Performed Procedure Step Sequence | (0008,1111) | SQ | Identifies the MPPS SOP Instance to which this image is related | ANAP | MPPS |
| >Referenced SOP Class UID | (0008,1150) | UI | PPS SOP Class = "1.2.840.10008.3.1.2.3.3" | ANAP | MPPS |
| > Referenced SOP Instance UID | (0008,1155) | UI | PPS Instance UID of the PPS generating this document | ANAP | MPPS |

Table 85

SR DOCUMENT GENERAL MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|-------------------------------|-------------|----|---|-------------------|--------------|
| Instance Number | (0020,0013) | IS | Unique number starting with "0" zero. | ALWAYS | AUTO |
| Completion Flag | (0040,A491) | CS | PARTIAL | ALWAYS | AUTO |
| Verification Flag | (0040,A493) | CS | UNVERIFIED | ALWAYS | AUTO |
| Content Date | (0008,0023) | DA | Date content created. | ALWAYS | AUTO |
| Content Time | (0008,0033) | TM | Time content created. | ALWAYS | AUTO |
| Referenced Request Sequence | (0040,A370) | SQ | Identifies Requested Procedures being fulfilled (completely or partially) by creation of this Document. Null string if unscheduled. | VNAP | AUTO |
| >Study Instance UID | (0020,000D) | UI | Same value as in MWL or auto generated | ALWAYS | MWL/ AUTO |
| >Referenced Study Sequence | (0008,1110) | SQ | 1 item per item in MWL, absent if unscheduled | ANAP | MWL |
| >>Referenced SOP Class UID | (0008,1150) | UI | Identifies the Referenced SOP Class | ANAP | MWL |
| >>Referenced SOP Instance UID | (0008,1155) | UI | Instance UID | ANAP | MWL |
| >Accession Number | (0008,0050) | SH | Same attribute of MWL or user PDE input. | VNAP | MWL/ USER |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--|-------------|----|--|-------------------|--------|
| >Placer Order Number/Imaging Service Request | (0040,2016) | LO | Order Number of Imaging Service Request assigned by placer | VNAP | MWL |
| >Filler Order Number/Imaging Service Request | (0040,2017) | LO | Order Number of Imaging Service Request assigned by filler | VNAP | MWL |
| >Requested Procedure ID | (0040,1001) | SH | 1 item per item in MWL, absent if unscheduled | ANAP | MWL |
| >Requested Procedure Description | (0032,1060) | LO | 1 item per item in MWL, absent if unscheduled | ANAP | MWL |
| >Requested Procedure Code Sequence | (0032,1064) | SQ | 1 item per item in MWL, absent if unscheduled | ANAP | MWL |

Table 86

SR DOCUMENT CONTENT MODULE OF CREATED COMPREHENSIVE SR SOP INSTANCES

This table describes the template-specific data summarized from the following tables in the DICOM Standard: Document Content Macro, Document Relationship Macro, Numeric Measurement Macro and Code Macro

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|--|-------------|----|--|-------------------|--------|
| Content Template Sequence | (0040,A504) | SQ | | ALWAYS | AUTO |
| >Template Identifier | (0040,DB00) | CS | The Root Content Item identifies TID 5000 (OB-GYN) 5100 (Vascular) 5200 (Adult Echo) 5220 (Ped Echo) | ALWAYS | AUTO |
| >Mapping Resource | (0008,0105) | CS | DCMR | ALWAYS | AUTO |
| Content Sequence | (0040,A730) | SQ | | ALWAYS | AUTO |
| >Relationship Type | (0040,A010) | CS | See Template ID 5000 for OB-GYN See Template ID 5100 for Vascular See Template ID 5200 for Adult Echo See Template ID 5220 for Ped Echo | ALWAYS | AUTO |
| <i>Document Relationship Macro Table</i> | | | See Template ID 5000 for OB-GYN See Template ID 5100 for Vascular See Template ID 5200 for Adult Echo See Template ID 5220 for Ped Echo | ANAP | AUTO |
| <i>Document Content Macro</i> | | | See Template ID 5000 for OB-GYN See Template ID 5100 for Vascular See Template ID 5200 for Adult Echo See Template ID 5220 for Ped Echo | ALWAYS | AUTO |
| Value Type | (0040,A040) | CS | CONTAINER, always first tag of SR | ALWAYS | AUTO |
| Concept Name Code Sequence | (0040,A043) | SQ | | ALWAYS | AUTO |

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|---------------------------|-------------|----|--|-------------------|--------|
| >Code Value | (0008,0100) | | 125000 for OB-GYN 125100 for Vascular 125200 for Adult Echo 125195 for Ped Echo | ALWAYS | AUTO |
| >Coding Scheme Designator | (0008,0102) | | DCM | ALWAYS | AUTO |
| >Code Meaning | (0008,0104) | | “OB-GYN Procedure Report” “Vascular Ultrasound Procedure Report” “Adult Echocardiography Procedure Report” “Pediatric Cardiac Ultrasound Report” | ALWAYS | AUTO |
| Continuity of Content | (0040,A050) | CS | SEPARATE | ALWAYS | AUTO |
| Numeric Measurement Macro | | | See Template ID 5000 for OB-GYN See Template ID 5100 for Vascular See Template ID 5200 for Adult Echo See Template ID 5220 for Ped Echo | ALWAYS | AUTO |
| Code Macro | | | See Template ID 5000 for OB-GYN See Template ID 5100 for Vascular See Template ID 5200 for Adult Echo See Template ID 5220 for Ped Echo | ALWAYS | AUTO |

Table 87
SOP COMMON MODULE OF CREATED COMPOSITE SR SOP INSTANCES

| Attribute Name | Tag | VR | Value | Presence of Value | Source |
|------------------------|-------------|----|---|-------------------|--------|
| SOP Class UID | (0008,0016) | UI | 1.2.840.10008.5.1.4.1.1.88.33 | ALWAYS | AUTO |
| SOP Instance UID | (0008,0018) | UI | Generated by device | ALWAYS | AUTO |
| Specific Character Set | (0008,0005) | CS | ISO_IR 100. See Section 6 for details. | ALWAYS | CONFIG |

8.2 USED FIELDS IN RECEIVED IOD BY APPLICATION

The ClearVue 350/550/580 2.0 and ClearVue 650 1.0 storage applications do not receive SOP Instances. The usage of attributes received via MWL is described in section 4.2.2.3.1.3 SOP Specific Conformance for Modality Worklist.

8.3 ATTRIBUTE MAPPING

Table 88 summarizes the relationships between attributes received via MWL, stored in acquired images and communicated via MPPS. The format and conventions used in Table 88 are the same as the corresponding table in DICOM Part 4, Annex M.6

**Table 88
ATTRIBUTE MAPPING BETWEEN MODALITY WORKLIST, IMAGE AND MPPS**

| Modality Worklist | Image IOD | MPPS IOD |
|--------------------------------------|--|--|
| Patient's Name | Patient's Name | Patient's Name |
| Patient ID | Patient ID | Patient ID |
| Patient's Birth Date | Patient's Birth Date | Patient's Birth Date |
| Patient's Sex | Patient's Sex | Patient's Sex |
| Patient's Weight | Patient's Weight | |
| Referring Physician's Name | Referring Physician's Name | |
| ---- | ---- | Scheduled Step Attributes Sequence |
| Study Instance UID | Study Instance UID | >Study Instance UID |
| Referenced Study Sequence | Referenced Study Sequence | >Referenced Study Sequence |
| Accession Number | Accession Number | >Accession Number |
| ---- | Request Attributes Sequence | ---- |
| Requested Procedure ID | >Requested Procedure ID | >Requested Procedure ID |
| Requested Procedure Description | >Requested Procedure Description | >Requested Procedure Description |
| Scheduled Procedure Step ID | >Scheduled Procedure Step ID | >Scheduled Procedure Step ID |
| Scheduled Procedure Step Description | >Scheduled Procedure Step Description > Study Description > Series Description > Performed Procedure Step Description | >Scheduled Procedure Step Description |
| Scheduled Protocol Code Sequence | >Scheduled Protocol Code Sequence | >Scheduled Protocol Code Sequence |
| ---- | Performed Protocol Code Sequence | Performed Protocol Code Sequence |
| ---- | Study ID – Requested Procedure ID from MWL, else generated | Study ID – Requested Procedure ID from MWL, else generated |
| ---- | Performed Procedure Step ID | Performed Procedure Step ID |
| ---- | Performed Procedure Step Start Date | Performed Procedure Step Start Date |
| ---- | Performed Procedure Step Start Time | Performed Procedure Step Start Time |
| ---- | Performed Procedure Step Description | Performed Procedure Step Description |

| Modality Worklist | Image IOD | MPPS IOD |
|-----------------------------------|--|---------------------------|
| Requested Procedure Code Sequence | Procedure Code Sequence | Procedure Code Sequence |
| ---- | Referenced Performed Procedure Step Sequence | Performed Series Sequence |
| ---- | >Referenced SOP Class UID | SOP Class UID |
| ---- | >Referenced SOP Instance UID | SOP Instance UID |
| ---- | Protocol Name | Protocol Name |

8.4 COERCED/MODIFIED FIELDS

The MWL AE will truncate attribute values received in the response to a MWL Query if the value length is longer than the maximum length permitted by the attribute's VR.

8.5 CONTROLLED TERMINOLOGY

The Workflow AE is capable of supporting arbitrary coding schemes for Procedure and Protocol Codes. The contents of Requested Procedure Code Sequence (0032,1064) and Scheduled Protocol Code Sequence (0040,0008) supplied in Worklist Items will be mapped to Image IOD and MPPS attributes as described in Table 88.

Structured Reporting uses codes supplied by DCMR (DICOM Code Mapping Resource, PS 3-16), LOINC (Logical Observation Names and Codes), SRT (SNOMED – Systematized Nomenclature of Medicine) and 99PMSBLUS (Philips Private Codes for Ultrasound).

8.6 GRAYSCALE IMAGE CONSISTENCY

The high-resolution display monitor is calibrated according to the Grayscale Standard Display Function (GSDF).

8.7 EXTENSIONS / SPECIALIZATIONS / PRIVATIZATIONS

8.7.1 Standard Extended / Specialized / Private SOPs

The US or US Multiframe Image Storage SOP Classes are extended to create a Standard Extended SOP Class by addition of standard and private attributes to the created SOP Instances as documented in section 8.1.

| Tag Number | Tag Name | Added to: |
|------------|------------------------|---|
| 0028,0030 | Pixel Spacing | Images with a single 2D region or dual 2D with same depth See details in Section 8.7.3 |
| 2050,0020 | Presentation LUT Shape | Images when 'GSDF' output format is selected |

8.7.2 2D

The Pixel Spacing tag is added to the exported DICOM file when the user has configured this tag to be included and the image contains only one 2D calibration region and no Doppler or M-Mode calibration regions.

Contain the Pixel Spacing tag: 2D still, 2D loop, 2D color still, 2D color loop, MMode Preview Still, PW Preview Still, CW Preview still, Dual with same calibration on both images.

Do NOT contain the Pixel Spacing tag: MMode live trace, MMode frozen trace, PW live trace, PW Frozen trace, CW live trace, CW frozen trace, Reports and dual images with different calibration on each image.

This attribute is system generated, if used.

| Attribute Name | Tag | Type | VR | Description | Value |
|----------------|-----------|------|----|--|---|
| Pixel Spacing | 0028,0030 | 3 | DS | Physical distance in the patient between the center of each pixel, specified by a numeric pair adjacent row spacing (delimiter) adjacent column spacing (in mm). | Adjacent row spacing \ Adjacent column spacing (in mm) |

8.7.4 PRIVATE TRANSFER SYNTAXES

There are no Private Transfer Syntaxes.

APPENDIX A – Structured Reports

A.1 STRUCTURED REPORTS

Note that all the concepts defined privately by Philips have the CSD value as '99PMSBLUS'.

Note that **the average value is the average of all instances for the measurement for the study.**

A.2 OB – GYN STRUCTURED REPORT TEMPLATE

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 implements the OB-GYN Ultrasound Procedure Report Template (TID 5000) from the DICOM standard, part 16. This appendix describes the scope and manner that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 measurements appear in DICOM SR.

Measurements and calculations performed for Obstetric and Gynecology studies will lead to creation of “OB-GYN Ultrasound Procedure Report” structured report document. Measurements can be performed by pressing the ‘Calc’ key on the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 control panel and selecting an OB of GYN analysis package. Measurements and calculations available in the menu can be configured through the setup application. It is also possible to configure the measurement unit (Metric or U.S).

All concepts with value type (VT) NUM will always have a ‘MeasurementUnitCodeSequence’ that specifies the unit of the measurement. The CSD for all units will be UCUM (Unified Code for Units) and CV and CM will be based on application configuration and will confirm to UCUM standards.

A.2.1 Template specific conformance for TID 5000

The template for the root of the content tree for TID 5000 and its use in the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 context is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|---|
| 1 | | | CONTAINER | EV (125000, DCM, “OB-GYN Ultrasound Procedure Report”) | This is the root ‘CONTAINER’ |
| 2 | > | CONTAINS | INCLUDE | DTID (5001) Patient Characteristics | Refer to A.2.1.1 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 3 | > | CONTAINS | INCLUDE | DTID (5002) OB-GYN Procedure Summary Section | Refer to A.2.1.2 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 4 | > | CONTAINS | INCLUDE | DTID (5004) Fetal Biometry Ratio Section | Concepts in CID 12004 will be used, refer to A.2.1.3 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 5 | > | CONTAINS | INCLUDE | DTID (5005) Fetal Biometry Section | Concepts in CID 12005 will be used, refer to A.2.1.4 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|---|
| 6 | > | CONTAINS | INCLUDE | DTID (5006) Long Bones Section | Concepts in CID 12006 will be used, refer to A.2.1.5 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 7 | > | CONTAINS | INCLUDE | DTID (5007) Fetal Cranium Section | Concepts in CID 12007 will be used, refer to A.2.1.6 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 8 | > | CONTAINS | INCLUDE | DTID (5009) Biophysical Profile Section | Refer to A.2.1.7 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 9 | > | CONTAINS | INCLUDE | DTID (5011) Early Gestation Section | Concepts in CID 12009 will be used, refer to A.2.1.8 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 10 | > | CONTAINS | INCLUDE | DTID (5010) Amniotic Sac Section | Concepts in CID 12008 will be used, refer to A.2.1.9 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 11 | > | CONTAINS | INCLUDE | DTID (5015) Pelvis and Uterus Section | Concepts in CID 12011 will be used, refer to A.2.1.10 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 12 | > | CONTAINS | INCLUDE | DTID (5012) Ovaries Section | Refer to A.2.1.11 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 13 | > | CONTAINS | INCLUDE | DTID (5013) Follicles Section | This section is used with concept modifier Laterality = Left. Refer to A.2.1.12 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 14 | > | CONTAINS | INCLUDE | DTID (5013) Follicles Section | This section is used with concept modifier Laterality = Right. Refer to A.2.1.12 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 15 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | This section (rows 15, 16, and 17) is used to include fetus vascular measurements. Refer to section A.2.1.13 for details. Measurements from DCID (12141), 'Fetal Vasculature' are used. |
| 16 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | EV (T-F6800, SRT, "Embryonic Vascular Structure") |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 17 | >> | CONTAINS | INCLUDE | DTID (5025) OB-GYN Fetal Vascular Measurement Group) | \$AnatomyGroup = DCID (12141) Fetal Vasculature). Refer to section A.2.1.13 for details of TID 5025. |
| 18 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | This section (rows 18, 19, and 20) is used to include pelvic vascular measurements. Refer to section A.2.1.14 for details. Measurements from DCID (12140), 'Fetal Vasculature' are used. |
| 19 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | EV (T-D6007, SRT, "Pelvic Vascular Structure") |
| 20 | >> | CONTAINS | INCLUDE | DTID (5026) OB-GYN Pelvic Vascular Measurement Group) | \$AnatomyGroup = DCID (12140) Pelvic Vasculature Anatomical Location. Refer to section A.2.1.14 for details of TID 5026. |

A.2.1.1 OB-GYN Patient Characteristics (TID 5001)

Use of the template TID 5001 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (121118, DCM, "Patient Characteristics") | |
| 2 | > | CONTAINS | TEXT | EV (121106, DCM, "Comment") | |
| 3 | > | CONTAINS | NUM | EV (8302-2, LN, "Patient Height") | Value is taken from PDE (Patient Data Entry) screen or from the MWL. |
| 4 | > | CONTAINS | NUM | EV (29463-7, LN, "Patient Weight") | Value is taken from PDE (Patient Data Entry) screen or from the MWL. |
| 5 | > | CONTAINS | NUM | EV (11996-6, LN, "Gravida") | Value is taken from PDE (Patient Data Entry) screen. |
| 6 | > | CONTAINS | NUM | EV (11977-6, LN, "Para") | Value is taken from PDE (Patient Data Entry) screen. |
| 7 | > | CONTAINS | NUM | EV (11612-9, LN, "Aborta") | Value is taken from PDE (Patient Data Entry) screen. |
| 8 | > | CONTAINS | NUM | EV (33065-4, LN, "Ectopic Pregnancies") | Value is taken from PDE (Patient Data Entry) screen. |

A.2.1.2 OB-GYN Procedure Summary (TID 5002)

The following table describes the use of this template in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|---|
| 1 | | | CONTAINER | DT (121111, DCM, "Summary") | |
| 2 | > | CONTAINS | DATE | (11955-2, LN, "LMP") | Value is taken from PDE (Patient Data Entry) screen. -- Row 2, 3 and 4 are concepts from DCID 12003, "OB-GYN Dates" |
| 3 | > | CONTAINS | DATE | (11779-6, LN, "EDD from LMP") | Value automatically calculated by the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system based on the value entered for LMP. |
| 4 | > | CONTAINS | DATE | (11781-2, LN, "EDD from average ultrasound age") | Value automatically calculated by the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system based various measurements and on the LMP. If there is more than one fetus, the value used is the earliest calculated EDD amongst all fetuses. |
| 5 | > | CONTAINS | NUM | (11878-6, LN, "Number of Fetuses") | Value is taken from PDE (Patient Data Entry) screen. -- This value is actually inserted as invocation of TID 300 (Measurement) with concept(s) from DCID 12001, "OB-GYN summary" passed as parameters. |
| 6 | > | TEXT | CONTAINS | EV (121106, DCM, "Comment") | |
| 7 | > | CONTAINS | INCLUDE | "OB-GYN Fetus Summary" (BTID 5003) | Refer to section A.2.1.2.1 for details of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. This template is included 1 per fetus. |

A.2.1.2.1 OB-GYN Fetus Summary (TID 5003)

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses this template to insert measurements from DCID 12019. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses a private extension to DCID 12019 to define a new Fetus Summary measurement concept for 'Peak-to-Peak time interval over two beats'.

Following table shows the extension to Fetus Summary (CID 12019) used by ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

| CSD | CV | CM |
|-----------|-----------|---|
| 99PMSBLUS | C12019-01 | Peak-to-Peak time interval over two beats |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | DT (125008, DCM, "Fetus Summary") | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (11951-1, LN, "Fetus ID") | Value of "1", "2", "3" or "4" is used as identifier of the Fetus. -- This value is actually inserted as invocation of TID 1008 (Subject context - Fetus) -- This is present only if the study has more than one fetus. |
| 3 | > | CONTAINS | TEXT | EV (121106, DCM, "Comment") | This field contains all observations, findings (only the Finding text value preceded by the Finding Group Name) and the comments entered in the reporting screen on the ClearVue 350/550/580 2.0 and ClearVue 650 1.0. In case of multiple fetuses, these observations are associated with the selected Fetus ID. For the Anatomy Visualized finding, a string 'Seen' will be displayed against the anatomy if the check box against the particular anatomy is checked in the reporting screen. A string 'Not Seen' will be displayed against the anatomy if the check box against the particular anatomy is not checked in the reporting screen. |
| 4 | > | CONTAINS | NUM | (11888-5, LN, "Composite Ultrasound Age") | This is a system-calculated value. This attribute is used to convey the "Average Ultrasound Age". -- This value is inserted as invocation of TID 300 (Measurement) with concepts from DCID 12019 |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|------|---|--|
| 5 | > | CONTAINS | NUM | (11885-1, LN, "Gestational Age by LMP") | This is a system-calculated value. -- This value is inserted as invocation of TID 300 (Measurement) with concepts from DCID 12019 |
| 6 | > | CONTAINS | NUM | (11727-5, LN, "Estimated Weight") | This is a system-calculated value. -- This value is inserted as invocation of TID 300 (Measurement) with concepts from DCID 12019 |
| 7 | >> | HAS CONCEPT MOD | CODE | Equation or Table using (121424, DCM, "Table of Values") | Concepts from CID 12014, OB Body Fetal Weight Equations and Tables will be used. Refer to section A.2.1.16 for concepts used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0. |
| 8 | > | CONTAINS | NUM | (99PMSBLUS, C12019-01, "Peak-to-Peak time interval over two beats") | This value is inserted as invocation of TID 300 (Measurement) with concepts from DCID 12019. This concept is an extension of DCID 12019. |
| 9 | > | CONTAINS | NUM | (LN, 11948-7, "Fetal Heart Rate") | Exported as "xxx {H.B.}/min (UCUM, Beats Per Minute) where xxx = number of beats |

A.2.1.3 Fetal Biometry Ratio Section (TID 5004)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|---|
| 1 | | | CONTAINER | DT (125001, DCM, "Fetal Biometry Ratios") | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (11951-1, LN, "Fetus ID") | Value of "1", "2", "3" or "4" is used as identifier of the Fetus. -- This value is actually inserted as invocation of TID 1008 (Subject context - Fetus) -- This value is present only if more than one fetus exists. |
| 3 | > | CONTAINS | NUM | Measurements from CID 12004 (Fetal Biometry Ratios) are included. | These biometry measurements are added as part of invocation of Measurement (TID 300) template. |

A.2.1.3.1 Fetal Biometry Ratios (CID 12004)

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 defines an extension of CID 12004 to include HrtC / TC ratio as part of this context group. Following table shows the concepts in CID 12004 (including the private extension for ClearVue 350/550/580 2.0 and ClearVue 650 1.0) that are used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

| CSD | CV | Code Meaning |
|-----------|-----------|--|
| LN | 11947-9 | HC/AC |
| LN | 11871-1 | FL/AC |
| LN | 11872-9 | FL/BPD |
| LN | 11823-2 | Cephalic Index |
| 99PMSBLUS | C12004-01 | HrtC/TC (Heart Circumference/Thoracic Circumference) |

A.2.1.4 Fetal Biometry Section (TID 5005)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|------------------------------------|--|
| 1 | | | CONTAINER | DT (125002, DCM, "Fetal Biometry") | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (11951-1, LN, "Fetus ID") | Will be present if more than one fetus. |
| 3 | > | CONTAINS | INCLUDE | Biometry Group (DTID 5008) | Measurements from DCID 12005 are used as 'Biometry type' to invoke this template one or more number of times. Refer to section A.2.1.6.1 for details of Biometry Group template usage. |

A.2.1.4.1 Fetal Biometry Measurements (CID 12005)

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 defines a private extension to CID 12005 to include measurements available on ClearVue 350/550/580 2.0 and ClearVue 650 1.0 but not (yet) defined in this context group. The following table shows the measurements from CID 12005 (including ClearVue 350/550/580 2.0 and ClearVue 650 1.0 private extensions) that are used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0. All private extensions will use the coding scheme designator as 99PMSBLUS.

| CSD | CV | Code Meaning |
|-----|---------|---------------------------------------|
| LN | 11979-2 | Abdominal Circumference |
| LN | 11818-2 | Anterior-Posterior Abdominal Diameter |

| CSD | CV | Code Meaning |
|------------|-----------|---|
| LN | 11819-0 | Anterior-Posterior Trunk Diameter |
| LN | 11820-8 | Biparietal Diameter |
| LN | 11965-1 | Foot Length |
| LN | 11984-2 | Head Circumference |
| LN | 11851-3 | Occipital-Frontal Diameter |
| LN | 11988-3 | Thoracic Circumference |
| LN | 11862-0 | Transverse Abdominal Diameter |
| LN | 11864-6 | Transverse Thoracic Diameter |
| 99PMSBLUS | C12005-01 | Ear Length |
| 99PMSBLUS | C12005-02 | Fetal Trunk Cross Sectional Area |
| 99PMSBLUS | C12005-03 | Heart Circumference |
| 99PMSBLUS | C12005-04 | Length of Middle Phalanx of the Fifth Digit |
| 99PMSBLUS | C12005-05 | Renal Width |
| 99PMSBLUS | C12005-06 | Renal Length |
| 99PMSBLUS | C12005-07 | Anterior-Posterior Thoracic Diameter |
| 99PMSBLUS | C12005-08 | Transverse Trunk Diameter |
| 99PMSBLUS | C12005-10 | APTD*TTD |

A.2.1.5 Fetal Long Bones Section (TID 5006)

Fetal Long Bones section is inserted in the SR Document in the same way as Fetal Biometry Section (Refer section A.2.1.4) using "DT (125003, DCM, "Fetal Long Bones)". \$Biometry Type used to invoke the template TID 5008 is taken from the context group Fetal Long Bones Measurement (CID 12006). All the measurements in CID 12006 are available in ClearVue 350/550/580 2.0 and ClearVue 650 1.0 as described in the following table.

| CSD | CV | Code Meaning |
|------------|-----------|---------------------|
| LN | 11966-9 | Humerus length |
| LN | 11967-7 | Radius length |
| LN | 11969-3 | Ulna length |
| LN | 11968-5 | Tibia length |
| LN | 11964-4 | Fibula length |
| LN | 11962-8 | Clavicle length |
| LN | 11963-6 | Femur Length |

A.2.1.6 Fetal Cranium Section (TID 5007)

Fetal Cranium section is inserted in the SR Document in the same way as Fetal Biometry Section (Refer section A.2.1.4) using “DT (125004, DCM, Fetal Cranium)”. \$Biometry Type used to invoke the template TID 5008 is taken from the context group Fetal Cranium (CID 12007).

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 defines a private extension to CID 12007 to include cranial measurements available in ClearVue 350/550/580 2.0 and ClearVue 650 1.0 but not (yet) defined in CID 12007. The following table shows the measurements from CID 12007 (including ClearVue 350/550/580 2.0 and ClearVue 650 1.0 private extensions) that are used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0. All private extensions will use the coding scheme designator as 99PMSBLUS.

| CSD | CV | Code Meaning |
|-----------|-----------|--|
| LN | 12171-5 | Lateral Ventricle width |
| LN | 11860-4 | Cisterna Magna Length |
| LN | 12146-7 | Nuchal Fold thickness |
| LN | 33070-4 | Inner Orbital Diameter |
| LN | 11629-3 | Outer Orbital Diameter |
| LN | 11863-8 | Trans Cerebellar Diameter |
| LN | 33197-5 | Anterior Horn Lateral ventricular width |
| LN | 33196-7 | Posterior Horn Lateral ventricular width |
| LN | 12170-7 | Width of Hemisphere |
| 99PMSBLUS | C12007-01 | Diameter of First Orbit |
| 99PMSBLUS | C12007-02 | Diameter of Second Orbit |
| 99PMSBLUS | C12007-03 | Ratio of Posterior Horn Lateral ventricular width/Hemisphere |

A.2.1.6.1 Fetal Biometry Group (TID 5008)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|---|
| 1 | | | CONTAINER | DT(125005, DCM, "Biometry Group") | |
| 2 | > | CONTAINS | NUM | Measurement of selected 'Biometry Type' | This row and next two rows are inserted as part of TID 300 (Measurement) invocation. If multiple measurements are made of the same biometry type, these three rows will be repeated for each measurement instance. |
| 3 | >> | INFERRED FROM | IMAGE | Referenced Content Item Identifier | An ordered set of one or more integers that uniquely identify the Image in the 'Image Library' section of this SR document. This is the image from which the measurement is inferred. This item will not be present, if the measurement does not refer to any image. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|------|--|---|
| 4 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | If a user has performed more than one measurement then he / she can either use average (default) of these instances or he can specifically select one of the measured instances for using in calculations. If the selection is Average, then that average measurement instance will have a derivation modifier as (R-00317, SRT, "Mean"). |
| 5 | >> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value (121412, DCM, "Mean Value Chosen") if the Derivation is 'Mean'. In all other cases, this will have a value as (121410, DCM "User chosen value"). |
| 6 | > | CONTAINS | NUM | EV (18185-9, LN, "Gestational Age") | This will be present if user has selected the corresponding gestation age calculation. For example, if the biometry type is BPD and user has selected GA (BPD) as one of the calculations (from the analysis setup application), this row will be present. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system automatically calculates the GA based on standard (or user defined) equations and tables. |
| 7 | >> | INFERRED FROM | CODE | Equation or Table using (121424, DCM, "Table of Values") | Concepts from CID 12013, Gestation age equations and tables will be used. Refer to section A.2.1.15 for concepts used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0. |

A.2.1.7 Fetal Biophysical Profile Section (TID5009)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | DT (125006, DCM, "Biophysical Profile") | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (11951-1, LN, "Fetus ID") | Will be present if more than one fetus. |
| 3 | > | CONTAINS | NUM | EV (11631-9, LN, "Gross Body Movement") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses the value as entered in the reporting screen. |

| | | | | | |
|---|---|----------|-----|---|---|
| 4 | > | CONTAINS | NUM | EV (11632-7, LN, "Fetal Breathing") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses the value as entered in the reporting screen. |
| 5 | > | CONTAINS | NUM | EV (11635-0, LN, "Fetal Tone") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses the value as entered in the reporting screen. |
| 6 | > | CONTAINS | NUM | EV (11630-1, LN, "Amniotic Fluid Volume") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses the value as entered in the reporting screen. |
| 7 | > | CONTAINS | NUM | DT (11634-3, LN, "Biophysical Profile Sum Score") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the sum of all the scores. |

A.2.1.8 Early Gestation Section (TID 5011)

Early Gestation section is inserted in the SR Document in the same way as Fetal Biometry Section (Refer section A.2.1.4) using "DT (125009, DCM, "Early Gestation)". \$Biometry Type used to invoke the template TID 5008 is taken from the context group Early Gestation Biometry Measurements (CID 12009).

| CSD | CV | Code Meaning |
|-----------|-----------|--------------------------|
| LN | 11957-8 | Crown Rump Length |
| LN | 11850-5 | Gestational Sac Diameter |
| LN | 33071-2 | Spine Length |
| LN | 11816-6 | Yolk Sac length |
| 99PMSBLUS | C12009-05 | Endomyometrial Mantle |

A.2.1.9 Amniotic Sac Section (TID 5010)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---------------------------------------|--|
| 1 | | | CONTAINER | DT (121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | DT (T-F1300, SRT, "Amniotic Sac") |
| 3 | > | CONTAINS | NUM | (11627-7, LN, "Amniotic Fluid Index") | This is inserted as part of the invocation of template TID 300 (Measurement) |

| | | | | | |
|----|----|-----------------|-------|---|--|
| 4 | > | CONTAINS | NUM | (11624-4, LN, "First Quadrant Diameter") | This is inserted as part of the invocation of template TID 300 (Measurement) |
| 5 | > | CONTAINS | NUM | (11626-9, LN, "Second Quadrant Diameter") | This is inserted as part of the invocation of template TID 300 (Measurement) |
| 6 | > | CONTAINS | NUM | (11625-1, LN, "Third Quadrant Diameter") | This is inserted as part of the invocation of template TID 300 (Measurement) |
| 7 | > | CONTAINS | NUM | (11623-6, LN, "Fourth Quadrant Diameter") | This is inserted as part of the invocation of template TID 300 (Measurement) |
| 8 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | This will have a value 'Mean' IFF average measurement instance is used in calculations. |
| 9 | >> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value 'Mean Value Chosen' if the Derivation is 'Mean'. In all other cases, this will have a value, 'User Chosen Value'. |
| 10 | >> | INFERRED FROM | IMAGE | Referenced Content Item Identifier | Refers to the image on which this measurement was done. |

A.2.1.10 Pelvis and Uterus Section (TID 5015)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---------------------------------------|---|
| 1 | | | CONTAINER | DT (125011, DCM, "Pelvis and Uterus") | |
| 2 | > | CONTAINS | CONTAINER | EV (T-83000, SRT, "Uterus") | DTID 5016 (LWH Volume Group) is included. Uterus volume, length and width measurements are inserted. Group Name is 'Uterus' |
| 3 | >> | CONTAINS | NUM | (33192-6, LN, "Uterus Volume") | This row is inserted as part of TID 300 (Measurement) invocation. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the volume based on L, W and H measurements. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|-----|-----------------|-----------|--|--|
| 4 | >> | CONTAINS | NUM | (11842-2, LN, "Uterus Length") | This row is inserted as part of TID 300 (Measurement) invocation. -- Similar to rows 4, 5 and 6, the concepts for Uterus Height and Uterus Width are added too. These concepts are: (11859-6, LN, "Uterus Height") and (11865-3, LN, " Uterus Width") |
| 5 | >>> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | This will have a value 'Mean' IFF the average measurement instance is used in calculations. |
| 6 | >>> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value (121412, DCM, "Mean Value Chosen") if the Derivation is 'Mean'. In all other cases, this will have a value as (121410, DCM "User chosen value"). |
| 7 | >>> | INFERRED FROM | IMAGE | Referenced Content Item Identifier | Refers to the image on which this measurement was done. |
| 8 | > | CONTAINS | NUM | (11961-0, LN, "Cervix Length") | This measurement is from CID 12011, "Ultrasound Pelvic and Uterus". This is inserted as part of invocation of TID 300 (Measurement). Similar to other measurements, the concept modifier for 'Derivation', Selection Status and 'Referenced Content Item' would be present for this measurement. Note:- Only Cervix Length and Endometrium Thickness from CID 12011 will be present in rows 7 and 8. All bladder related measurements from CID 12011 will be present under the group 'Bladder' as shown in the rows from 9. |
| 9 | > | CONTAINS | NUM | (12145-9, LN, "Endometrium Thickness") | This measurement is from CID 12011, "Ultrasound Pelvic and Uterus". |
| 10 | > | CONTAINS | CONTAINER | EV (T-74000, SRT, "Bladder") | DTID 5016 (LWH Volume Group) is included. Bladder volume, length and width measurements are inserted. Group Name is 'Bladder' |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|-----|-----------------|-----------|--|--|
| 11 | >> | CONTAINS | NUM | (C12011-04, 99PMSBLUS, "Bladder Volume") | This row is inserted as part of TID 300 (Measurement) invocation. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the volume based on L, W and H measurements. |
| 12 | >> | CONTAINS | NUM | (C12011-01, 99PMSBLUS, "Bladder Length") | This row is inserted as part of TID 300 (Measurement) invocation. -- Similar to rows 11, 12 and 13, the concepts for Bladder Width and Bladder Height are added too. These concepts are: (C12011-02, 99PMSBLUS, "Bladder Width") and (C12011-03, 99PMSBLUS, "Bladder Height") |
| 13 | >>> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | This will have a value 'Mean' IFF the average measurement instance is used in calculations. |
| 14 | >>> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value (121412, DCM, "Mean Value Chosen") if the Derivation is 'Mean'. In all other cases, this will have a value as (121410, DCM "User chosen value"). |
| 15 | >>> | INFERRED FROM | IMAGE | Referenced Content Item Identifier | Refers to the image on which this measurement was done. |
| 16 | > | CONTAINS | CONTAINER | EV (T-74000, SRT, "Bladder") | DTID 5016 (LWH Volume Group) is included. Post Void Bladder volume, length and width measurements are inserted. Group Name is 'Bladder' |
| 17 | >> | CONTAINS | NUM | (C12011-08, 99PMSBLUS, "Post Void Bladder Volume") | This row is inserted as part of TID 300 (Measurement) invocation. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the volume based on L, W and H measurements. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|-----|-----------------|-------|--|---|
| 18 | >> | CONTAINS | NUM | (C12011-05, 99PMSBLUS, "Post Void Bladder Length") | This row is inserted as part of TID 300 (Measurement) invocation. -- Similar to rows 16, 17 and 18, the concepts for Post Void Bladder Width and Post Void Bladder Height are added too. These concepts are: (C12011-06, 99PMSBLUS, "Post Void Bladder Width") and (C12011-07, 99PMSBLUS, "Post Void Bladder Height") |
| 19 | >>> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | This will have a value 'Mean' IFF the average measurement instance is used in calculations. |
| 20 | >>> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value (121412, DCM, "Mean Value Chosen") if the Derivation is 'Mean'. In all other cases, this will have a value as (121410, DCM "User chosen value"). |
| 21 | >>> | INFERRED FROM | IMAGE | Referenced Content Item Identifier | Refers to the image on which this measurement was done. |

A.2.1.10.1 CID 12011 Ultrasound Pelvis And Uterus

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses a private extension to CID 12011 to define new concepts for Bladder related measurements. Following table shows the details.

| CSD | CV | CM |
|-----------|-----------|--------------------------|
| LN | 11961-0 | Cervix Length |
| LN | 12145-9 | Endometrium Thickness |
| 99PMSBLUS | C12011-01 | Bladder Length |
| 99PMSBLUS | C12011-02 | Bladder Width |
| 99PMSBLUS | C12011-03 | Bladder Height |
| 99PMSBLUS | C12011-04 | Bladder Volume |
| 99PMSBLUS | C12011-05 | Post Void Bladder Length |
| 99PMSBLUS | C12011-06 | Post Void Bladder Width |
| 99PMSBLUS | C12011-07 | Post Void Bladder Height |
| 99PMSBLUS | C12011-08 | Post Void Bladder Volume |

A.2.1.11 Ovaries Section (TID 5012)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|---------|-----------------|-----------|---------------------------------------|--|
| 1 | | | CONTAINER | DT (121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | DT (T-87000, SRT, "Ovary") |
| 3 | > | CONTAINS | CONTAINER | EV (T-87000, SRT, "Ovary") | DTID 5016 (LWH Volume Group) is included. Left ovary volume, length and width measurements are inserted. Group name is 'Ovary'. |
| 4 | >> | CONTAINS | NUM | EV (12164-0, LN, "Left Ovary Volume") | This row is inserted as part of TID 300 (Measurement) invocation. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the volume based on L, W and H measurements. |
| 5 | >> | CONTAINS | NUM | EV (11840-6, LN, "Left Ovary Length") | This row is inserted as part of TID 300 (Measurement) invocation. -- Similar to rows 5, 6 and 7, the concepts for Ovary Height and Ovary Width are added too. These concepts are: EV (11857-0, LN, "Left Ovary Height") and EV (11829-9, LN, "Left Ovary Width") |
| 6 | >> > | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | This will have a value "Mean" IFF the average measurement instance is used in calculations. |
| 7 | >> > | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value (121412, DCM, "Mean Value Chosen") if the Derivation is 'Mean'. In all other cases, this will have a value as (121410, DCM "User chosen value"). |
| 8 | >> > | INFERRED FROM | IMAGE | Referenced Content Item Identifier | Refers to the image on which this measurement was done. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|----|--------------|---|
| | | | | | Similarly DTID 5016 (LWH Volume Group) is included for Right ovary volume, length and width measurements. The related concepts codes are – \$GroupName = EV (T-87000, SRT, "Ovary") \$Width = EV (11830-7, LN, "Right Ovary Width") \$Length = EV (11841-4, LN, "Right Ovary Length") \$Height = EV (11858-8, LN, "Right Ovary Height") \$Volume= EV (12165-7, LN, "Right Ovary Volume") |

A.2.1.12 Follicles Section (TID 5013)

SR Document may contain two instances of the Follicles section. First instance is included for left ovarian follicles and the second instance is included for right ovarian follicle. Laterality concept modifier will be used accordingly. Measurements for up to 16 follicles may be included in this section.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | DT (121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | DT (T-87600, SRT, "Ovarian Follicle") |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, "Laterality") | EV (G-A101, SRT, "Left") OR EV (G-A100, SRT, "Right") |
| 4 | > | CONTAINS | NUM | EV (11879-4, LN, "Number of follicles in left ovary") OR EV (11880-2, LN, "Number of follicles in right ovary") | Number of follicles in the ovary. |
| 5 | > | CONTAINS | CONTAINER | EV (125007, DCM, "Measurement Group") | Template TID 5014 (Follicle Measurement Group) is included. |
| 6 | >> | HAS OBS CONTEXT | TEXT | EV (12510, DCM, "Identifier") | ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses numbers "1", "2", "3"...up to "16" to identify the follicle. -- Row 6, 7 and 8 are added per follicle measurement. |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----|------------------------------------|---|
| 7 | >> | CONTAINS | NUM | EV (G-D705, SRT, "Volume") | This is inserted as part of TID 300 invocation. ClearVue 350/550/580 2.0 and ClearVue 650 1.0 automatically calculates the volume based on the follicle diameter. |
| 8 | >> | CONTAINS | NUM | (11793-7, LN, "Follicle diameter") | This is inserted as part of TID 300 invocation. |

A.2.1.13 OB-GYN Fetus Vascular Ultrasound Measurement Group (TID 5025)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (T-F6800, SRT, "Embryonic Vascular Structure") | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (11951-1, LN, "Fetus ID") | Will be present if more than one fetus. |
| 3 | > | CONTAINS | NUM | Measurement of selected fetal vascular anatomic location. | Measurement types from CID 12119 (Vascular Ultrasound Property) and CID 12121 (Vascular Indices and Ratios) for the anatomical locations specified in CID 12141 (Fetal Vasculature Anatomic Locations) are used. |

A.2.1.13.1 Fetal Vascular Measurements

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 uses a private extension to CID 12141 to define a new fetal vascular anatomical location for 'Ductus Venosus'. Also, the anatomical locations 'Umbilical Artery' and 'Uterine Artery' defined in CID 12140 ('Pelvic Vasculature Anatomic Location') have been included in CID 12141 as ClearVue 350/550/580 2.0 and ClearVue 650 1.0 considers this as Fetal measurement rather than Pelvic measurement.

The following table shows the extension to Fetal Vasculature Anatomical Locations (CID 12141) used by ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

| CSD | CV | CM |
|-----------|-----------|------------------|
| 99PMSBLUS | C12141-01 | Ductus Venosus |
| SRT | T-F1810 | Umbilical Artery |
| SRT | T-46820 | Uterine Artery* |

* Uterine Artery for Fetal Vascular includes \$LATERALITY=(G-A101, SRT, "Left"); (G-A100, SRT, "Right")

The following table shows the fetal vascular measurements (and calculations) used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0 as part of TID 5025.

Fetal Vascular Measurements

| Measurement | Measurement Type from CID 12119 and it's includes. | Vascular Anatomic Location from CID 12141 |
|---|--|--|
| Diastolic Velocity (Ductus Venosus) | (LN, 11653-3, End Diastolic Velocity) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Systolic Velocity (Ductus Venosus) | (LN, 11726-7, Peak Systolic Velocity) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Minimum Diastolic Velocity (Ductus Venosus) | (LN, 11665-7, Minimum Diastolic Velocity) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Time Averaged Peak Velocity (Ductus Venosus) | (LN, 11692-1, Time Averaged Peak Velocity) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Time Averaged Mean Velocity ¹ (Ductus Venosus) | (LN, 20352-1, Time Averaged Mean Velocity) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Acceleration Index (Ductus Venosus) | (LN, 20167-3, Acceleration Index) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Acceleration Time (Ductus Venosus) | (LN, 20168-1, Acceleration Time) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Velocity Time Integral (Ductus Venosus) | (LN, 20354-7, Velocity Time Integral) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Pulsatility Index (Ductus Venosus) | (LN, 12008-9, Pulsatility Index) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Resistivity Index (Ductus Venosus) | (LN, 12023-8, Resistivity Index) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Systolic to Diastolic Ratio (Ductus Venosus) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Diastolic to Systolic Velocity Ratio (Ductus Venosus) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (99PMSBLUS, C12141-01, Ductus Venosus) |
| Diastolic Velocity (Umbilical Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-F1810, Umbilical Artery) |
| Systolic Velocity (Umbilical Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-F1810, Umbilical Artery) |
| Minimum Diastolic Velocity (Umbilical Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-F1810, Umbilical Artery) |
| Time Averaged Peak Velocity (Umbilical Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-F1810, Umbilical Artery) |
| Time Averaged Mean Velocity ¹ (Umbilical Artery) | (LN, 20352-1, Time Averaged Mean Velocity) | (SRT, T-F1810, Umbilical Artery) |
| Acceleration Index (Umbilical Artery) | (LN, 20167-3, Acceleration Index) | (SRT, T-F1810, Umbilical Artery) |
| Acceleration Time (Umbilical Artery) | (LN, 20168-1, Acceleration Time) | (SRT, T-F1810, Umbilical Artery) |

| Measurement | Measurement Type from CID 12119 and it's includes. | Vascular Anatomic Location from CID 12141 |
|---|--|--|
| Velocity Time Integral (Umbilical Artery) | (LN, 20354-7, Velocity Time Integral) | (SRT, T-F1810, Umbilical Artery) |
| Pulsatility Index (Umbilical Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-F1810, Umbilical Artery) |
| Resistivity Index (Umbilical Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-F1810, Umbilical Artery) |
| Systolic to Diastolic Ratio (Umbilical Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-F1810, Umbilical Artery) |
| Diastolic to Systolic Velocity Ratio (Umbilical Artery) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (SRT, T-F1810, Umbilical Artery) |
| Diastolic Velocity (Middle Cerebral Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-45600, Middle Cerebral Artery) |
| Systolic Velocity (Middle Cerebral Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-45600, Middle Cerebral Artery) |
| Minimum Diastolic Velocity (Middle Cerebral Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-45600, Middle Cerebral Artery) |
| Time Averaged Peak Velocity (Middle Cerebral Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-45600, Middle Cerebral Artery) |
| Time Averaged Mean Velocity ¹ (Middle Cerebral Artery) | (LN, 20352-1, Time Averaged Mean Velocity) | (SRT, T-45600, Middle Cerebral Artery) |
| Acceleration Index (Middle Cerebral Artery) | (LN, 20167-3, Acceleration Index) | (SRT, T-45600, Middle Cerebral Artery) |
| Acceleration Time (Middle Cerebral Artery) | (LN, 20168-1, Acceleration Time) | (SRT, T-45600, Middle Cerebral Artery) |
| Velocity Time Integral (Middle Cerebral Artery) | (LN, 20354-7, Velocity Time Integral) | (SRT, T-45600, Middle Cerebral Artery) |
| Pulsatility Index (Middle Cerebral Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-45600, Middle Cerebral Artery) |
| Resistivity Index (Middle Cerebral Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-45600, Middle Cerebral Artery) |
| Systolic to Diastolic Ratio (Middle Cerebral Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-45600, Middle Cerebral Artery) |
| Diastolic to Systolic Velocity Ratio (Middle Cerebral Artery) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (SRT, T-45600, Middle Cerebral Artery) |
| Diastolic Velocity (Left Uterine Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Systolic Velocity (Left Uterine Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Minimum Diastolic Velocity (Left Uterine Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |

| Measurement | Measurement Type from CID 12119 and it's includes. | Vascular Anatomic Location from CID 12141 |
|--|---|---|
| Time Averaged Peak Velocity (Left Uterine Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Pulsatility Index (Left Uterine Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Resistivity Index (Left Uterine Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Systolic to Diastolic Ratio (Left Uterine Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-46820, Uterine Artery) \$Laterality= Left |
| Diastolic Velocity (Right Uterine Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Systolic Velocity (Right Uterine Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Minimum Diastolic Velocity (Right Uterine Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Time Averaged Peak Velocity (Right Uterine Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Pulsatility Index (Right Uterine Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Resistivity Index (Right Uterine Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |
| Systolic to Diastolic Ratio (Right Uterine Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-46820, Uterine Artery) \$Laterality= Right |

¹ Available only on ClearVue 550 with High Q

A.2.1.14

OB-GYN Pelvic Vascular Ultrasound Measurement Group (TID 5026)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|---|
| 1 | | | CONTAINER | EV (T-D6007, SRT, "Pelvic Vascular Structure") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT "Laterality") | Laterality is used only if the measurement needs to be qualified with the laterality of the anatomy. |
| 3 | > | CONTAINS | NUM | Measurement of selected pelvic vascular anatomic location. | Measurement types from CID 12119 (Vascular Ultrasound Property) and CID 12121 (Vascular Indices and Ratios) for the anatomical locations specified in CID 12140 (Pelvic Vasculature Anatomic Locations) are used. |

A.2.1.14.1 Pelvic Vascular Measurements

The following table shows the pelvic vascular measurements (and calculations) used in ClearVue 350/550/580 2.0 and ClearVue 650 1.0 as part of TID 5026.

| Measurement | Measurement Type from CID 12119 and it's includes. | Vascular Anatomic Location from CID 12140 |
|--|--|--|
| Diastolic Velocity (Left Ovarian Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Systolic Velocity (Left Ovarian Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Minimum Diastolic Velocity (Left Ovarian Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Time Averaged Peak Velocity (Left Ovarian Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Time Averaged Mean Velocity ¹ (Left Ovarian Artery) | (LN, 20352-1, Time Averaged Mean Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Acceleration Index (Left Ovarian Artery) | (LN, 20167-3, Acceleration Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Acceleration Time (Left Ovarian Artery) | (LN, 20168-1, Acceleration Time) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Velocity Time Integral (Left Ovarian Artery) | (LN, 20354-7, Velocity Time Integral) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Pulsatility Index (Left Ovarian Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Resistivity Index (Left Ovarian Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Systolic to Diastolic Ratio (Left Ovarian Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Diastolic to Systolic Ratio (Left Ovarian Artery) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (SRT, T-46980, Ovarian Artery) \$Laterality = Left |
| Diastolic Velocity (Right Ovarian Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Systolic Velocity (Right Ovarian Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Minimum Diastolic Velocity (Right Ovarian Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Time Averaged Peak Velocity (Right Ovarian Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Time Averaged Mean Velocity ¹ (Right Ovarian Artery) | (LN, 20352-1, Time Averaged Mean Velocity) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Acceleration Index (Right Ovarian Artery) | (LN, 20167-3, Acceleration Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Acceleration Time (Right Ovarian Artery) | (LN, 20168-1, Acceleration Time) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |

| Measurement | Measurement Type from CID 12119 and it's includes. | Vascular Anatomic Location from CID 12140 |
|---|--|--|
| Velocity Time Integral (Right Ovarian Artery) | (LN, 20354-7, Velocity Time Integral) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Pulsatility Index (Right Ovarian Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Resistivity Index (Right Ovarian Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Systolic to Diastolic Ratio (Right Ovarian Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Diastolic to Systolic Ratio (Right Ovarian Artery) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (SRT, T-46980, Ovarian Artery) \$Laterality = Right |
| Diastolic Velocity (Uterine Artery) | (LN, 11653-3, End Diastolic Velocity) | (SRT, T-46820, Uterine Artery) |
| Systolic Velocity (Uterine Artery) | (LN, 11726-7, Peak Systolic Velocity) | (SRT, T-46820, Uterine Artery) |
| Minimum Diastolic Velocity (Uterine Artery) | (LN, 11665-7, Minimum Diastolic Velocity) | (SRT, T-46820, Uterine Artery) |
| Time Averaged Peak Velocity (Uterine Artery) | (LN, 11692-1, Time Averaged Peak Velocity) | (SRT, T-46820, Uterine Artery) |
| Time Averaged Mean Velocity ¹ (Uterine Artery) | (LN, 20352-1, Time Averaged Mean Velocity) | (SRT, T-46820, Uterine Artery) |
| Acceleration Index (Uterine Artery) | (LN, 20167-3, Acceleration Index) | (SRT, T-46820, Uterine Artery) |
| Acceleration Time (Uterine Artery) | (LN, 20168-1, Acceleration Time) | (SRT, T-46820, Uterine Artery) |
| Velocity Time Integral (Uterine Artery) | (LN, 20354-7, Velocity Time Integral) | (SRT, T-46820, Uterine Artery) |
| Pulsatility Index (Uterine Artery) | (LN, 12008-9, Pulsatility Index) | (SRT, T-46820, Uterine Artery) |
| Resistivity Index (Uterine Artery) | (LN, 12023-8, Resistivity Index) | (SRT, T-46820, Uterine Artery) |
| Systolic to Diastolic Ratio (Uterine Artery) | (LN, 12144-2, Systolic to Diastolic Velocity Ratio) | (SRT, T-46820, Uterine Artery) |
| Diastolic to Systolic Ratio (Uterine Artery) | (99PMSBLUS, C12121-01, Diastolic to Systolic Velocity Ratio) | (SRT, T-46820, Uterine Artery) |

¹ Available only on ClearVue 550 with High Q

A.2.1.15 Gestation Age Equations & Tables (CID 12013)

The following are the Gestation Age Equations and Tables supported by ClearVue 350/550/580 2.0 and ClearVue 650 1.0:

| CSD | CV | Code Meaning |
|------------|-----------|-------------------------------|
| LN | 11885-1 | Gestational Age by LMP |
| LN | 11892-7 | AC, Hadlock 1984 |
| 99PMSBLUS | C12013-30 | AC, Hansmann 1986 |
| LN | 33076-1 | AC, Shinozuka 1996 |
| 99PMSBLUS | C12013-01 | AC, ASUM 2001 |
| 99PMSBLUS | C12013-02 | BPD, ASUM 2001 |
| LN | 33086-0 | BPD-oi, Chitty 1997 |
| LN | 33087-8 | BPD-oo, Chitty 1997 |
| LN | 11902-4 | BPD, Hadlock 1984 |
| LN | 33538-0 | BPD, Hansmann 1986 |
| LN | 11905-7 | BPD, Jeanty 1984 |
| 99PMSBLUS | C12013-31 | BPD, Osaka 1988 |
| LN | 33084-5 | BPD, Shinozuka 1996 |
| 99PMSBLUS | C12013-26 | BPD, Tokyo 1989 |
| 99PMSBLUS | C12013-37 | BPD by GA, Verburg 2008 |
| LN | 33088-6 | Clavical length, Yarkoni 1985 |
| 99PMSBLUS | C12013-05 | CRL, ASUM 2001 |
| LN | 33540-6 | CRL, Hansmann 1986 |
| LN | 11910-7 | CRL, Hadlock 1992 |
| LN | 11917-2 | CRL, Jeanty 1984 |
| 99PMSBLUS | C12013-32 | CRL, Osaka 1988 |
| LN | 33094-4 | CRL, Rempen 1991 |
| LN | 11914-9 | CRL, Robinson 1975 |
| LN | 33095-1 | CRL, Shinozuka 1996 |
| 99PMSBLUS | C12013-27 | CRL, Tokyo 1989 |
| 99PMSBLUS | C12013-36 | CRL by GA, Verburg 2008 |
| 99PMSBLUS | C12013-06 | FL, ASUM 2001 |
| LN | 33098-5 | FL, Chitty 1997 |
| LN | 11920-6 | FL, Hadlock 1984 |
| LN | 33541-4 | FL, Hansmann 1986 |
| LN | 11923-0 | FL, Jeanty 1984 |

| CSD | CV | Code Meaning |
|------------|-----------|--|
| 99PMSBLUS | C12013-24 | FL, Merz 1991 |
| 99PMSBLUS | C12013-33 | FL, Osaka 1988 |
| LN | 33102-5 | FL, Shinozuka 1996 |
| 99PMSBLUS | C12013-28 | FL, Tokyo 1989 |
| LN | 33106-6 | GS, Hansmann 1982 |
| LN | 11928-9 | GS, Hellman 1969 |
| LN | 11929-7 | GS, Rempen 1991 |
| 99PMSBLUS | C12013-29 | GS, Tokyo 1989 |
| LN | 33107-4 | GS, Nyberg 1992 |
| 99PMSBLUS | C12013-07 | HC, ASUM 2001 |
| LN | 33110-8 | HC measured, Chitty 1997 |
| LN | 33111-6 | HC derived, Chitty 1997 |
| LN | 11932-1 | HC, Hadlock 1984 |
| LN | 33543-0 | HC, Hansmann 1986 |
| 99PMSBLUS | C12013-25 | HC Merz, 1991 |
| 99PMSBLUS | C12013-09 | Humerus, ASUM 2001 |
| 99PMSBLUS | C12013-34 | Humerus Length, Osaka 1988 |
| LN | 11936-2 | Humerus, Jeanty 1984 |
| 99PMSBLUS | C12013-11 | OFD, ASUM 2001 |
| LN | 33120-7 | OFD, Hansmann 1986 |
| 99PMSBLUS | C12013-12 | OOD, Jeanty 1984 |
| LN | 33127-2 | Spine Length, Tokyo, 1989 |
| 99PMSBLUS | C12013-41 | TAD, Hansmann 1986 |
| LN | 11941-2 | Tibia, Jeanty 1984 |
| 99PMSBLUS | C12013-15 | TCD, Chitty 1997 |
| LN | 33134-8 | TCD, Hill 1990 |
| 99PMSBLUS | C12013-35 | Fetal Trunk Cross Sectional Area, Osaka 1988 |
| LN | 11944-6 | Ulna, Jeanty 1984 |
| 99PMSBLUS | C12013-16 | AC Merz 1991 |
| 99PMSBLUS | C12013-17 | BPD Merz 1991 |
| 99PMSBLUS | C12013-18 | Transverse Trunk Diameter Hansmann 1986 |
| 99PMSBLUS | C12013-19 | CRL Robinson Fleming 1975 |
| LN | 33078-7 | AxT, Shinozuka 1996 |
| 99PMSBLUS | C12013-22 | CRL JSUM 2001 |

| CSD | CV | Code Meaning |
|------------|-----------|---------------------|
| 99PMSBLUS | C12013-23 | TC Nimrod 1986 |

A.2.1.15.1 Gestational Age Equations and Tables Not Exported in DICOM SR

The following labels, equations or authors are not exported in Structured Reports for OB.

| Label |
|--------------------|
| GA (EFW) Shinozuka |

A.2.1.16 OB Fetal Body Weight Equations & Tables

| CSD | CV | Code Meaning |
|------------|-----------|---------------------------------------|
| LN | 11756-4 | EFW by AC, Campbell 1975 |
| LN | 11738-2 | EFW by AC, BPD, Hadlock 1984 |
| LN | 11735-8 | EFW by AC, BPD, FL, Hadlock 1985 |
| LN | 11732-5 | EFW by AC, BPD, FL, HC, Hadlock 1985 |
| LN | 11751-5 | EFW by AC, FL, Hadlock 1985 |
| LN | 11746-5 | EFW by AC, FL, HC, Hadlock 1985 |
| LN | 11739-0 | EFW by AC and BPD, Shepard 1982 |
| LN | 33140-5 | EFW by BPD, FTA, FL, Osaka 1990 |
| 99PMSBLUS | C12014-02 | EFW by BPD, APAD, TAD, FL, Tokyo 1986 |
| LN | 33143-9 | EFW3 by Shinozuka 1996 |
| 99PMSBLUS | C12014-01 | EFW by AC, BPD and FL Shinozuka 2000 |

A.3 VASCULAR ULTRASOUND STRUCTURED REPORT TEMPLATE

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 implements the Vascular Ultrasound Structured Report Template (TID 5100) from the DICOM standard, part 16. This appendix describes the scope and manner that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 measurements appear in DICOM SR.

Measurements and calculations performed for vascular studies will lead to creation of "Vascular Ultrasound Procedure Report" structured report documents. Measurements can be performed by pressing the 'Calc' key on ClearVue 350/550/580 2.0 and ClearVue 650 1.0 control panel and selecting the Vascular analysis package. Additional measurements may be made in the Abdominal analysis package. Measurements and calculations available in the menu can be configured through the setup application. It is also possible to configure the measurement unit (Metric or U.S).

All concepts with value type (VT) NUM will always have a 'MeasurementUnitCodeSequence' that specifies the unit of the measurement. The CSD for all units will be UCUM (Unified Code for Units) and CV and CM will be based on application configuration and will conform to UCUM standards.

A.3.1 Template specific conformance for TID 5100

The template for the root of the content tree for TID 5100 and its use in the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 context is described in the following table.

Note: Only the rows that apply to use by ClearVue 350/550/580 2.0 and ClearVue 650 1.0 are included.

A.3.2 TID 5100 Vascular Ultrasound Report

This is the template for the root the content tree for the vascular ultrasound procedure report.

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|---|
| 1 | | | CONTAINER | EV (125100, DCM, "Vascular Ultrasound Procedure Report") | This is the root 'CONTAINER' |
| 2 | > | CONTAINS | INCLUDE | DTID (5101) Vascular Patient Characteristics | See Section A.3.2 for the description of this. |
| 3 | > | CONTAINS | INCLUDE | DTID (5102) Vascular Procedure Summary Section | See Section A.3.3 for the description of this. |
| 4 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-40501, SRT, "Blood Vessel of Head") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12105) Intracranial Cerebral Vessels |
| 5 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-40501, SRT, "Blood Vessel of Head") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12105) Intracranial Cerebral Vessels |
| 6 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-40501, SRT, "Blood Vessel of Head") \$SectionLaterality = EV (G-A103, SRT, "Unilateral") \$Anatomy = DCID (12106) Intracranial Cerebral Vessels (unilateral) |
| 7 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-45005, SRT, "Artery of neck") |

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|---------|---|---|
| | | | | | \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12104) Extracranial Arteries \$AnatomyRatio = DCID (12123) Carotid Ratios |
| 8 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-45005, SRT, "Artery of neck") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12104) Extracranial Arteries \$AnatomyRatio = DCID (12123) Carotid Ratios |
| 9 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-47040, SRT, "Artery of Lower Extremity") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12109) Lower Extremity Arteries |
| 10 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-47040, SRT, "Artery of Lower Extremity") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12109) Lower Extremity Arteries |
| 11 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-49403, SRT, "Vein of Lower Extremity") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12110) Lower Extremity Veins |
| 12 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-49403, SRT, "Vein of Lower Extremity") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12110) Lower Extremity Veins |
| 13 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-47020, SRT, "Artery Of Upper Extremity") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12107) Upper Extremity Arteries |
| 14 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-47020, SRT, "Artery Of Upper Extremity") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12107) Upper Extremity Arteries |
| 15 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-49103, SRT, "Vein Of Upper Extremity") \$SectionLaterality = EV (G-A101, SRT, |

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|---------|---|---|
| | | | | | "Left") \$Anatomy = DCID (12108) Upper Extremity Veins |
| 16 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-49103, SRT, "Vein Of Upper Extremity") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12108) Upper Extremity Veins |
| 17 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-71019, SRT, "Vascular Structure Of Kidney") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12115) Renal Vessels \$AnatomyRatio = DCID (12124) Renal Ratios |
| 18 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-71019, SRT, "Vascular Structure Of Kidney") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12115) Renal Vessels \$AnatomyRatio = DCID (12124) Renal Ratios |
| 19 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-46002, SRT, "Artery of Abdomen") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12111) Abdominal Arteries (lateral) |
| 20 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-46002, SRT, "Artery of Abdomen") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12111) Abdominal Arteries (lateral) |
| 21 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-46002, SRT, "Artery of Abdomen") \$SectionLaterality = EV (G-A103, SRT, "Unilateral") \$Anatomy = DCID (12112) Abdominal Arteries (unilateral) |
| 22 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-487A0, SRT, "Vein of Abdomen") \$SectionLaterality = EV (G-A101, SRT, "Left") \$Anatomy = DCID (12113) Abdominal Veins (lateral) |
| 23 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-487A0, SRT, "Vein of Abdomen") \$SectionLaterality = EV (G-A100, SRT, "Right") \$Anatomy = DCID (12113) Abdominal Veins (lateral) |

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|---------|---|---|
| 24 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | \$SectionScope = DT (T-487A0, SRT, " Vein of Abdomen") \$SectionLaterality = EV (G-A103, SRT, "Unilateral") \$Anatomy = DCID (12114) Abdominal Veins (unilateral) |

A.3.3 Vascular Patient Characteristics (TID 5101)

Use of the template TID 5101 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (121118, DCM, "Patient Characteristics") | |
| 2 | > | CONTAINS | NUM | EV (121033, DCM, "Subject Age") | Units = DCID (7456) Units of Measure for Age |
| 3 | > | CONTAINS | CODE | EV (121032, DCM, "Subject Sex") | DCID (7455) Sex |
| 4 | > | CONTAINS | NUM | (8277-6, LN, "Body Surface Area") | Derived from Patient Height and Weight |
| 5 | > | CONTAINS | NUM | (8302-2, LN, "Patient Height") | From Patient Data Entry |
| 6 | > | CONTAINS | NUM | (29463-7, LN, "Patient Weight") | From Patient Data Entry |
| 7 | > | CONTAINS | TEXT | (121029, DCM, "Subject Name") | From Patient Data Entry |
| 8 | > | CONTAINS | TEXT | (121030, DCM, "Subject ID") | From Patient Data Entry |
| 9 | > | CONTAINS | TEXT | (121031, DCM, "Subject Birth Date") | From Patient Data Entry |
| 10 | > | CONTAINS | TEXT | (T9910-04, 99PMSBLUS, "Reason for Study") | From Patient Data Entry |
| 11 | > | CONTAINS | TEXT | (T9910-112, 99PMSBLUS, "Alternate ID Number") | From Patient Data Entry |
| 12 | > | CONTAINS | TEXT | (T9910-111, 99PMSBLUS, "Accession Number") | From Patient Data Entry |
| 13 | > | CONTAINS | TEXT | (T9910-08, 99PMSBLUS, "Referring Physician") | From Patient Data Entry |
| 14 | > | CONTAINS | TEXT | (T9910-06, 99PMSBLUS, "Sonographer") | From Patient Data Entry |
| 15 | > | CONTAINS | TEXT | (T9910-07, 99PMSBLUS, "Study Description") | From Patient Data Entry |
| 16 | > | CONTAINS | TEXT | (T9910-10, 99PMSBLUS, "Patient History") | From Patient Data Entry |
| 17 | > | CONTAINS | TEXT | (T9910-09, 99PMSBLUS, "Exam Date") | From Patient Data Entry |

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|------|--------------------------|-------------------------|
| 18 | > | CONTAINS | TEXT | (121106, DCM, "Comment") | From Patient Data Entry |

A.3.4 Vascular Procedure Summary (TID 5102)

Use of the template TID 5002 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|-------------------------------|----------|
| 1 | | | CONTAINER | DT (121111, DCM, "Summary") | |
| 2 | > | | TEXT | DCID (12101) Vascular Summary | |

A.3.5 eDCS – Vascular Template Support

The following list represents the Electronic DICOM Conformance Statement (eDCS) format for the Structured Report output for the Vascular Ultrasound Procedure Report as supported on ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

This list is made up of 'signatures' that describe the group of codes used for each exported measurement and calculation result.

A 'signature' will contain the Label as displayed on the system user interface in the Calcs application and report pages, followed by the modifiers required by the DICOM SR Template and Structured Reporting SOP Class in order to include a given measurement or calculation value.

Some signatures will contain as few as two or as many as six modifiers.

In the table below, the following terms are used:

| | |
|------------|--------------------------------|
| CSD | Coding Scheme Designator |
| CV | Code Value |
| CM | Code Meaning |
| Mod Type | Concept Modifier Type |
| Laterality | Describes laterality of vessel |

"Mod Type" Field

| | |
|-----------|---|
| Anatomy | The finding site as specified by the template |
| Concept | The code sequence as defined by the CSD |
| Section | The section as specified by the template |
| Segment | The name of the vessel segment |
| Units | Units of this measurement |
| Meas Type | Used only to indicate QLAB measurements |

A.3.5.1 eDCS Table

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------|------------|
| ACA EDV | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-------------------------|-------------------------------|------------|
| ACA PI | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| ACA PSV | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACA TAPV | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACA TCD Mean | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACA TCD PI | anatomy | SRT | T-45540 | Anterior Cerebral Artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| ACoA EDV | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACoA PI | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| ACoA PSV | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACoA TAPV | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACoA TCD Mean | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ACoA TCD PI | anatomy | SRT | T-45530 | Anterior Communicating Artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| AI | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | T-47440 | Profunda Femoris Artery | bilateral | |
| | | T-47500 | Popliteal Artery | bilateral | |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Antecube PI | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Antecube RI | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Antecube S/D | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ao % Area Reduction | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | SRT | G-0371 | Percent Area Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | % | Percent | unilateral |
| Ao % Diam Reduction | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | SRT | G-0372 | Percent Diameter Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | % | Percent | unilateral |
| Ao Area Resid | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | 99PMSBLUS | C7471-01 | Area 1 of Area Percent Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm2 | Square Centimeter | unilateral |
| Ao Area True | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | 99PMSBLUS | C7471-02 | Area 2 of Area Percent Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm2 | Square Centimeter | unilateral |
| Ao Diam Resid | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | 99PMSBLUS | C7470-05 | Diameter 1 of Diameter Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Ao Diam True | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | 99PMSBLUS | C7470-06 | Diameter 2 of Diameter Reduction | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Ao Dist Diam | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | SRT | G-0364 | Vessel lumen diameter | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Ao Mid Diam | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | SRT | G-0364 | Vessel lumen diameter | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Ao Prox Diam | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | SRT | G-0364 | Vessel lumen diameter | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality | |
|--|----------------------|-----------|-----------|--|--|-----------|
| Aorta PSV | anatomy | SRT | T-42000 | Aorta | unilateral | |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral | |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral | |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral | |
| AT | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral | |
| | | SRT | T-45100 | Common Carotid Artery | bilateral | |
| | | | T-45170 | Carotid Bulb | bilateral | |
| | | | T-45200 | External Carotid Artery | bilateral | |
| | | | T-45300 | Internal Carotid Artery | bilateral | |
| | | | T-45700 | Vertebral Artery | bilateral | |
| | | | T-46010 | Innominate Artery | bilateral | |
| | | | T-46100 | Subclavian Artery | bilateral | |
| | | | T-46710 | Common Iliac Artery | bilateral | |
| | | | T-46740 | Internal Iliac Artery | bilateral | |
| | | | T-46910 | External Iliac Artery | bilateral | |
| | | | T-47100 | Axillary Artery | bilateral | |
| | | | T-47160 | Brachial Artery | bilateral | |
| | | | T-47200 | Ulnar Artery | bilateral | |
| | | | T-47300 | Radial Artery | bilateral | |
| | | | T-47400 | Common Femoral Artery | bilateral | |
| | | | T-47403 | Superficial Femoral Artery | bilateral | |
| | | | T-47440 | Profunda Femoris Artery | bilateral | |
| | | | T-47500 | Popliteal Artery | bilateral | |
| | | | T-47600 | Posterior Tibial Artery | bilateral | |
| | | | T-47630 | Peroneal Artery | bilateral | |
| | | | T-47700 | Anterior Tibial Artery | bilateral | |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral | |
| | | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | | T-47040 | Artery of Lower Extremity | bilateral |
| | | segment | SRT | G-A118 | Proximal | bilateral |
| | | | | G-A119 | Distal | bilateral |
| | | | | G-A188 | Mid-longitudinal | bilateral |
| | | units | UCUM | sec | Seconds | bilateral |
| | Ax A PI | anatomy | SRT | T-47100 | Axillary Artery | bilateral |
| | | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | | units | UCUM | 1 | ratio | bilateral |
| | Ax A RI | anatomy | SRT | T-47100 | Axillary Artery | bilateral |
| | | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | | units | UCUM | 1 | ratio | bilateral |
| | Ax A S/D | anatomy | SRT | T-47100 | Axillary Artery | bilateral |
| | | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | | units | UCUM | 1 | ratio | bilateral |
| | Bifur ACA EDV | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral |
| | | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur ACA PI | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral | |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral | |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral | |
| | units | UCUM | 1 | ratio | bilateral | |
| Bifur ACA PSV | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral | |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral | |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral | |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral | |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--|------------|
| Bifur ACA TAPV | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur ACA TCD Mean | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur ACA TCD PI | anatomy | SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bifur MCA EDV | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur MCA PI | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bifur MCA PSV | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur MCA TAPV | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur MCA TCD Mean | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Bifur MCA TCD PI | anatomy | SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bladder Height | anatomy | SNM3 | T-74000 | Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-03 | Bladder Height | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Bladder Length | anatomy | SNM3 | T-74000 | Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-01 | Bladder Length | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Bladder Vol | anatomy | SNM3 | T-74000 | Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-04 | Bladder Volume | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm3 | Cubic Centimeter | unilateral |
| Bladder Width | anatomy | SNM3 | T-74000 | Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-02 | Bladder Width | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Brachioceph A PI | anatomy | SRT | T-46010 | Innominate Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Brachioceph A RI | anatomy | SRT | T-46010 | Innominate Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------------|--------------------------------------|------------|
| Brachioceph A S/D | anatomy | SRT | T-46010 | Innominate Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bulb IMT(Q) | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Bulb PI | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bulb RI | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Bulb S/D | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Carotid Siphon EDV | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Carotid Siphon PI | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Carotid Siphon PSV | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Carotid Siphon TAPV | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Carotid Siphon TCD Mean | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Carotid Siphon TCD PI | anatomy | SRT | T-45308 | Carotid Siphon | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| CBD Diam | anatomy | SNM3 | T-60610 | Bileduct | unilateral |
| | concept | DCM | 121206 | Distance | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | mm | Millimeter | unilateral |
| CCA % Area Reduction | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | SRT | G-0371 | Percent Area Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | % | Percent | bilateral |
| CCA % Diam Reduction | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | SRT | G-0372 | Percent Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | % | Percent | bilateral |
| CCA Area Resid | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7471-01 | Area 1 of Area Percent Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm ² | Square Centimeter | bilateral |
| CCA Area True | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7471-02 | Area 2 of Area Percent Reduction | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| CCA Diam Resid | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7470-05 | Diameter 1 of Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| CCA Diam True | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7470-06 | Diameter 2 of Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| CCA IMT(Q) | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| CCA PSV | anatomy | 99PMSBLUS | C12104-02 | ICA/CCA Ratio Denominator | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Celiac A AI | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| Celiac A AT | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Celiac A EDV | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Celiac A MDV | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Celiac A PI | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Celiac A PSV | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Celiac A RI | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Celiac A S/D | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Celiac A TAMV¹ | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Celiac A TAPV | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Celiac A VTI | anatomy | SRT | T-46400 | Celiac Axis | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|----------|--------------------------------------|------------|
| CFA % Area Reduction | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | SRT | G-0371 | Percent Area Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | % | Percent | bilateral |
| CFA % Diam Reduction | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | SRT | G-0372 | Percent Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | % | Percent | bilateral |
| CFA Area Resid | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7471-01 | Area 1 of Area Percent Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| CFA Area True | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7471-02 | Area 2 of Area Percent Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| CFA Diam Resid | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7470-05 | Diameter 1 of Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| CFA Diam True | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7470-06 | Diameter 2 of Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| CFA PI | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| CFA RI | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| CFA S/D | anatomy | SRT | T-47400 | Common Femoral Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Com Hepatic A AI | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| Com Hepatic A AT | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Com Hepatic A EDV | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Com Hepatic A MDV | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Com Hepatic A PI | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Com Hepatic A PSV | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Com Hepatic A RI | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | units | UCUM | 1 | ratio | unilateral |
| Com Hepatic A S/D | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Com Hepatic A TAMV | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Com Hepatic A TAPV | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Com Hepatic A VTI | anatomy | SRT | T-46421 | Common Hepatic Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Com Iliac A PI | anatomy | SRT | T-46710 | Common Iliac Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Com Iliac A RI | anatomy | SRT | T-46710 | Common Iliac Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Com Iliac A S/D | anatomy | SRT | T-46710 | Common Iliac Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ao AI | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| Dist Ao AT | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Dist Ao EDV | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Ao MDV | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Ao PI | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist Ao PSV | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Ao RI | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | units | UCUM | 1 | ratio | unilateral |
| Dist Ao S/D | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist Ao TAMV | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Ao TAPV | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Ao VTI | anatomy | SRT | T-42000 | Aorta | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Dist ATA PI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ATA RI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ATA S/D | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Basilar A EDV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Basilar A PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist Basilar A PSV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Basilar A TAPV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Basilar A TCD Mean | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist Basilar A TCD PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist Brach A PI | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Brach A RI | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Brach A S/D | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Bulb IMT | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist Bulb IMT(Q) | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist CCA IMT | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist CCA IMT(Q) | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist CCA PI | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist CCA RI | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist CCA S/D | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ICA EDV | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist ICA IMT | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist ICA IMT(Q) | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Dist ICA PI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ICA PSV | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist ICA RI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ICA S/D | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist ICA TAPV | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist ICA TCD Mean | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist ICA TCD PI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist M1 EDV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist M1 PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist M1 PSV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist M1 TAPV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist M1 TCD Mean | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist M1 TCD PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pero A PI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pero A RI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pero A S/D | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pop A PI | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pop A RI | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Pop A S/D | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist PTA PI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist PTA RI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist PTA S/D | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Rad A PI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Rad A RI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Rad A S/D | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ren A AI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Dist Ren A AT | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Dist Ren A EDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist Ren A MDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist Ren A PI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ren A PSV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist Ren A RI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ren A S/D | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ren A TAMV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist Ren A TAPV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Dist Ren A VTI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| Dist SFA PI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist SFA RI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist SFA S/D | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist SMA AI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| Dist SMA AT | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Dist SMA EDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist SMA MDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist SMA PI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist SMA PSV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist SMA RI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist SMA S/D | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Dist SMA TAMV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist SMA TAPV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Dist SMA VTI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A119 | Distal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Dist Ulnar A PI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ulnar A RI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dist Ulnar A S/D | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A119 | Distal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dor Pedis PI | anatomy | SRT | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dor Pedis RI | anatomy | SRT | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Dor Pedis S/D | anatomy | SRT | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| EDV | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-------------------|--------------------------------------|------------|
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ext Iliac A PI | anatomy | SRT | T-46910 | External Iliac Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ext Iliac A RI | anatomy | SRT | T-46910 | External Iliac Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ext Iliac A S/D | anatomy | SRT | T-46910 | External Iliac Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| GB Wall Diam | anatomy | SNM3 | T-63000 | Gallbladder | unilateral |
| | concept | DCM | 121206 | Distance | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | mm | Millimeter | unilateral |
| GDA AI | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| GDA AT | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| GDA EDV | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| GDA MDV | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| GDA PI | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| GDA PSV | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| GDA RI | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| GDA S/D | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| GDA TAMV | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| GDA TAPV | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| GDA VTI | anatomy | SRT | T-46440 | Gastroduodenal Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Hilar A AI | anatomy | SRT | G-035C | Hilar Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Hilar A AT | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Hilar A EDV | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Hilar A MDV | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Hilar A PI | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Hilar A PSV | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Hilar A RI | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Hilar A S/D | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Hilar A TAMV¹ | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Hilar A TAPV | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Hilar A VTI | anatomy | SRT | G-035C | Hilar Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| ICA | anatomy | 99PMSBLUS | C12105-02 | MCA/Dist ICA Ratio Denominator | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| ICA % Area Reduction | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | SRT | G-0371 | Percent Area Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | % | Percent | bilateral |
| ICA % Diam Reduction | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | SRT | G-0372 | Percent Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | % | Percent | bilateral |
| ICA Area Resid | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7471-01 | Area 1 of Area Percent Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| ICA Area True | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7471-02 | Area 2 of Area Percent Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-------------------|--------------------------------------|------------|
| ICA Diam Resid | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7470-05 | Diameter 1 of Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| ICA Diam True | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C7470-06 | Diameter 2 of Diameter Reduction | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| ICA IMT(Q) | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| ICA PSV | units | UCUM | cm | Centimeter | bilateral |
| | anatomy | 99PMSBLUS | C12104-01 | ICA/CCA Ratio Numerator | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| ICA/CCA | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | concept | LN | 33868-1 | ICA/CCA velocity ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| IMA AI | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| IMA AT | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| IMA EDV | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| IMA MDV | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| IMA PI | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| IMA PSV | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| IMA RI | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| IMA S/D | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| IMA TAMV | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| IMA TAPV | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| IMA VTI | anatomy | SRT | T-46520 | Inferior Mesenteric Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | units | UCUM | cm | Centimeter | unilateral |
| Inf Arc AI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Inf Arc AT | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Inf Arc EDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Arc MDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Arc PI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Arc PSV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Arc RI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Arc S/D | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Arc TAMV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Arc TAPV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Arc VTI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Inf Ren Ao AI | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| Inf Ren Ao AT | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | units | UCUM | sec | Seconds | unilateral |
| Inf Ren Ao EDV | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Inf Ren Ao MDV | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Inf Ren Ao PI | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Inf Ren Ao PSV | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Inf Ren Ao RI | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Inf Ren Ao S/D | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Inf Ren Ao TAMV | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Inf Ren Ao TAPV | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Inf Ren Ao VTI | anatomy | SRT | T-42520 | Infra-renal Aorta | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Inf Seg AI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | bilateral |
| Inf Seg AT | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Inf Seg EDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Seg MDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Seg PI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Seg PSV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|----------|--------------------------------------|------------|
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Seg RI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Seg S/D | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Inf Seg TAMV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Seg TAPV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Inf Seg VTI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A115 | Inferior | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Int Iliac A PI | anatomy | SRT | T-46740 | Internal Iliac Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Int Iliac A RI | anatomy | SRT | T-46740 | Internal Iliac Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Int Iliac A S/D | anatomy | SRT | T-46740 | Internal Iliac Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| IVC Diameter | anatomy | SRT | T-48710 | Inferior Vena Cava | unilateral |
| | concept | LN | 18006-7 | Inferior Vena Cava Diameter | unilateral |
| | section | SRT | T-487A0 | Vein of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Kidney Height | anatomy | SNM3 | T-71000 | Kidney | bilateral |
| | concept | 99PMSBLUS | C7470-01 | Height | bilateral |
| | section | 99PMSBLUS | T5100-01 | Anatomic Structures | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Kidney Length | anatomy | SNM3 | T-71000 | Kidney | bilateral |
| | concept | SRT | G-A22A | Length | bilateral |
| | section | 99PMSBLUS | T5100-01 | Anatomic Structures | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Kidney Vol | anatomy | SNM3 | T-71000 | Kidney | bilateral |
| | concept | DCM | 121221 | Volume of ellipsoid | bilateral |
| | section | 99PMSBLUS | T5100-01 | Anatomic Structures | bilateral |
| | units | UCUM | cm3 | Cubic Centimeter | bilateral |
| Kidney Width | anatomy | SNM3 | T-71000 | Kidney | bilateral |
| | concept | SNM3 | G-A220 | Width | bilateral |
| | section | 99PMSBLUS | T5100-01 | Anatomic Structures | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| L Hepatic A AI | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|----------|--------------------------------------|------------|
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| L Hepatic A AT | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| L Hepatic A EDV | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| L Hepatic A MDV | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| L Hepatic A PI | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| L Hepatic A PSV | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| L Hepatic A RI | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| L Hepatic A S/D | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| L Hepatic A TAMV | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| L Hepatic A TAPV | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| L Hepatic A VTI | anatomy | SRT | T-46427 | Left Branch of Hepatic Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Liver Length | anatomy | SNM3 | T-62000 | Liver | unilateral |
| | concept | SRT | G-A22A | Length | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| M2 EDV | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| M2 PI | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| M2 PSV | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| M2 TAPV | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| M2 TCD Mean | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-------------------|-----------------------------------|------------|
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| M2 TCD PI | anatomy | SRT | R-10251 | Middle Cerebral Artery M2 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| MCA | anatomy | 99PMSBLUS | C12105-01 | MCA/Dist ICA Ratio Numerator | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| MCA/ICA | anatomy | 99PMSBLUS | C12105-05 | MCA/Dist ICA Ratio | bilateral |
| | concept | 99PMSBLUS | C12105-03 | MCA/Dist ICA Ratio | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| MDV | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc AI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | bilateral |
| Mid Arc AT | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Mid Arc EDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc MDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc PI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Arc PSV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc RI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Arc S/D | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Arc TAMV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc TAPV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Arc VTI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid ATA PI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ATA RI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ATA S/D | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Basilar A EDV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid Basilar A PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| Mid Basilar A PSV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid Basilar A TAPV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid Basilar A TCD Mean | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid Basilar A TCD PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Mid Bulb IMT | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid Bulb IMT(Q) | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| Mid CCA IMT | units | UCUM | cm | Centimeter | bilateral |
| | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| Mid CCA IMT(Q) | units | UCUM | cm | Centimeter | bilateral |
| | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| Mid CCA PI | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| Mid CCA RI | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| Mid CCA S/D | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| Mid ECA PI | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| Mid ECA RI | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ECA S/D | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ICA IMT | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid ICA IMT(Q) | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid ICA PI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ICA RI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid ICA S/D | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid M1 EDV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid M1 PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid M1 PSV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid M1 TAPV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid M1 TCD Mean | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid M1 TCD PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Pero A PI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Pero A RI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Pero A S/D | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid PTA PI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid PTA RI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid PTA S/D | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Rad A PI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Rad A RI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Rad A S/D | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Ren A AI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Mid Ren A AT | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Mid Ren A EDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Ren A MDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Ren A PI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Ren A PSV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Ren A RI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Ren A S/D | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Ren A TAMV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Ren A TAPV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Ren A VTI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid SCL A PI | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid SCL A RI | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid SCL A S/D | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Seg AI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | bilateral |
| Mid Seg AT | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | units | UCUM | sec | Seconds | bilateral |
| Mid Seg EDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Seg MDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Seg PI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Seg PSV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Seg RI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Seg S/D | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Seg TAMV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Seg TAPV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Mid Seg VTI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A109 | Medial | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Mid SFA PI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid SFA RI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid SFA S/D | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid SMA AI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| Mid SMA AT | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Mid SMA EDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid SMA MDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid SMA PI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Mid SMA PSV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid SMA RI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Mid SMA S/D | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Mid SMA TAMV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid SMA TAPV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Mid SMA VTI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Mid Ulnar A PI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Mid Ulnar A RI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| Mid Ulnar A S/D | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A188 | Mid-longitudinal | bilateral |
| Ophthalmic A EDV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| Ophthalmic A PI | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| Ophthalmic A PSV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| Ophthalmic A TAPV | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| Ophthalmic A TCD Mean | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| Ophthalmic A TCD PI | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | T-45400 | Ophthalmic Artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 EDV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 PI | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 PSV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 TAPV | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 TCD Mean | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P1 TCD PI | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | R-10253 | Posterior Cerebral Artery P1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P2 EDV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P2 PI | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| PCA P2 PSV | units | UCUM | 1 | ratio | bilateral |
| | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCA P2 TAPV | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCA P2 TCD Mean | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCA P2 TCD PI | anatomy | SRT | R-10255 | Posterior Cerebral Artery P2 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| PCoA EDV | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCoA PI | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| PCoA PSV | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCoA TAPV | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCoA TCD Mean | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PCoA TCD PI | anatomy | SRT | T-45320 | Posterior Communicating Artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ATA PI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ATA RI | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ATA S/D | anatomy | SRT | T-47700 | Anterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Basilar A EDV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox Basilar A PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| Prox Basilar A PSV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox Basilar A TAPV | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox Basilar A TCD Mean | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox Basilar A TCD PI | anatomy | SRT | T-45800 | Basilar Artery | unilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | unilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Prox Brach A PI | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Brach A RI | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Brach A S/D | anatomy | SRT | T-47160 | Brachial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Bulb IMT | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Prox Bulb IMT(Q) | anatomy | SRT | T-45170 | Carotid Bulb | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| Prox CCA IMT | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Prox CCA IMT(Q) | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| Prox CCA PI | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox CCA RI | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox CCA S/D | anatomy | SRT | T-45100 | Common Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ECA PI | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ECA RI | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ECA S/D | anatomy | SRT | T-45200 | External Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ICA IMT | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Prox ICA IMT(Q) | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | 99PMSBLUS | C12122-08 | Mean Intima Media Thickness | bilateral |
| | MeasType | 99PMSBLUS | C3627-01 | QLAB IMT measurement | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Prox ICA PI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ICA RI | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox ICA S/D | anatomy | SRT | T-45300 | Internal Carotid Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox M1 EDV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox M1 PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox M1 PSV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox M1 TAPV | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox M1 TCD Mean | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox M1 TCD PI | anatomy | SRT | R-1024F | Middle Cerebral Artery M1 Segment | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pero A PI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pero A RI | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pero A S/D | anatomy | SRT | T-47630 | Peroneal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PFA PI | anatomy | SRT | T-47440 | Profunda Femoris Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PFA RI | anatomy | SRT | T-47440 | Profunda Femoris Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PFA S/D | anatomy | SRT | T-47440 | Profunda Femoris Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pop A PI | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pop A RI | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Pop A S/D | anatomy | SRT | T-47500 | Popliteal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PTA PI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PTA RI | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox PTA S/D | anatomy | SRT | T-47600 | Posterior Tibial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Rad A PI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Rad A RI | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Rad A S/D | anatomy | SRT | T-47300 | Radial Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ren A AI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Prox Ren A AT | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Prox Ren A EDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox Ren A MDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox Ren A PI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ren A PSV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox Ren A RI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ren A S/D | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ren A TAMV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox Ren A TAPV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Prox Ren A VTI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Prox SCL A PI | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SCL A RI | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SCL A S/D | anatomy | SRT | T-46100 | Subclavian Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SFA PI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SFA RI | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SFA S/D | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox SMA AI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| Prox SMA AT | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Prox SMA EDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox SMA MDV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox SMA PI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Prox SMA PSV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox SMA RI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Prox SMA S/D | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Prox SMA TAMV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox SMA TAPV | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Prox SMA VTI | anatomy | SRT | T-46510 | Superior Mesenteric Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | segment | SRT | G-A118 | Proximal | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Prox Ulnar A PI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ulnar A RI | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Prox Ulnar A S/D | anatomy | SRT | T-47200 | Ulnar Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-47020 | Artery Of Upper Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| PSV | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|----------------------------------|------------|
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| PV Bladder Height | anatomy | 99PMSBLUS | C4-01 | Post Void Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-07 | Post Void Bladder Height | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| PV Bladder Length | anatomy | 99PMSBLUS | C4-01 | Post Void Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-05 | Post Void Bladder Length | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| PV Bladder Vol | anatomy | 99PMSBLUS | C4-01 | Post Void Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-08 | Post Void Bladder Volume | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm3 | Cubic Centimeter | unilateral |
| PV Bladder Width | anatomy | 99PMSBLUS | C4-01 | Post Void Bladder | unilateral |
| | concept | 99PMSBLUS | C12011-06 | Post Void Bladder Width | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| R Hepatic A AI | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| R Hepatic A AT | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| R Hepatic A EDV | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| R Hepatic A MDV | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| R Hepatic A PI | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| R Hepatic A PSV | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| R Hepatic A RI | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| R Hepatic A S/D | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| R Hepatic A TAMV | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| R Hepatic A TAPV | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| R Hepatic A VTI | anatomy | SRT | T-46423 | Right Branch of Hepatic Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| RAR | concept | LN | 33869-9 | Renal Artery/Aorta velocity ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren A Org AI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | bilateral |
| Ren A Org AT | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Ren A Org EDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren A Org MDV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren A Org PI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren A Org PSV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren A Org RI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren A Org S/D | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|--------------------------------------|------------|
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren A Org TAMV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren A Org TAPV | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren A Org VTI | anatomy | SRT | T-46600 | Renal Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | segment | SRT | G-036A | Origin of vessel | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Ren V AI | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Ren V AT | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Ren V EDV | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren V MDV | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren V PI | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren V PSV | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren V RI | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren V S/D | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Ren V TAMV | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren V TAPV | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Ren V VTI | anatomy | SRT | T-48740 | Renal Vein | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Renal A PSV | anatomy | SRT | T-46600 | Renal Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|----------|----------------------------------|------------|
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| SFA % Area Reduction | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | SRT | G-0371 | Percent Area Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | % | Percent | bilateral |
| SFA % Diam Reduction | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | SRT | G-0372 | Percent Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | % | Percent | bilateral |
| SFA Area Resid | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7471-01 | Area 1 of Area Percent Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| SFA Area True | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7471-02 | Area 2 of Area Percent Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm2 | Square Centimeter | bilateral |
| SFA Diam Resid | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7470-05 | Diameter 1 of Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| SFA Diam True | anatomy | SRT | T-47403 | Superficial Femoral Artery | bilateral |
| | concept | 99PMSBLUS | C7470-06 | Diameter 2 of Diameter Reduction | bilateral |
| | section | SRT | T-47040 | Artery of Lower Extremity | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Spleen Height | anatomy | SNM3 | T-C3000 | Spleen | unilateral |
| | concept | 99PMSBLUS | C7470-01 | Height | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Spleen Length | anatomy | SNM3 | T-C3000 | Spleen | unilateral |
| | concept | SRT | G-A22A | Length | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Spleen Vol | anatomy | SNM3 | T-C3000 | Spleen | unilateral |
| | concept | DCM | 121221 | Volume of ellipsoid | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm3 | Cubic Centimeter | unilateral |
| Spleen Width | anatomy | SNM3 | T-C3000 | Spleen | unilateral |
| | concept | SNM3 | G-A220 | Width | unilateral |
| | section | 99PMSBLUS | T5100-02 | Anatomic Structures (unilateral) | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Splenic A AI | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | unilateral |
| Splenic A AT | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Splenic A EDV | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Splenic A MDV | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Splenic A PI | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| Splenic A PSV | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Splenic A RI | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Splenic A S/D | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Splenic A TAMV | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Splenic A TAPV | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Splenic A VTI | anatomy | SRT | T-46460 | Splenic Artery | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Sup Arc AI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | bilateral |
| Sup Arc AT | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Sup Arc EDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Arc MDV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Arc PI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Sup Arc PSV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Arc RI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Sup Arc S/D | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|-------------------|--------------------------------------|------------|
| | units | UCUM | 1 | ratio | bilateral |
| Sup Arc TAMV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Arc TAPV | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Arc VTI | anatomy | SRT | T-4668A | Arcuate Artery of the Kidney | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| Sup Ren Ao AI | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 20167-3 | Acceleration Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s ² | Centimeter Per Second Square | unilateral |
| Sup Ren Ao AT | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 20168-1 | Acceleration Time | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | sec | Seconds | unilateral |
| Sup Ren Ao EDV | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Sup Ren Ao MDV | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Sup Ren Ao PI | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 12008-9 | Pulsatility Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Sup Ren Ao PSV | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Sup Ren Ao RI | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 12023-8 | Resistivity Index | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Sup Ren Ao S/D | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | 1 | ratio | unilateral |
| Sup Ren Ao TAMV | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Sup Ren Ao TAPV | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm/s | Centimeter Per Second | unilateral |
| Sup Ren Ao VTI | anatomy | SRT | T-42510 | Supra-renal Aorta | unilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | unilateral |
| | section | SRT | T-46002 | Artery of Abdomen | unilateral |
| | units | UCUM | cm | Centimeter | unilateral |
| Sup Seg AI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20167-3 | Acceleration Index | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|--------------------------------------|------------|
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s2 | Centimeter Per Second Square | bilateral |
| Sup Seg AT | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20168-1 | Acceleration Time | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | sec | Seconds | bilateral |
| Sup Seg EDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Seg MDV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11665-7 | Minimum Diastolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Seg PI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Sup Seg PSV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Seg RI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Sup Seg S/D | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Sup Seg TAMV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Seg TAPV | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Sup Seg VTI | anatomy | SRT | T-46659 | Segmental Artery | bilateral |
| | branch | SRT | G-A116 | Superior | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-71019 | Vascular Structure Of Kidney | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |
| TAMV | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|-----------|----------------------------------|------------|
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 20352-1 | Time averaged mean velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| TAPV | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | | T-47400 | Common Femoral Artery | bilateral |
| | | | T-47403 | Superficial Femoral Artery | bilateral |
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Term ICA EDV | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Term ICA PI | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Term ICA PSV | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|-----------|----------------------------|--------------------------------------|------------|
| Term ICA TAPV | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Term ICA TCD Mean | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Term ICA TCD PI | anatomy | SRT | R-102BD | Terminal internal carotid artery | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Vertebral A EDV | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | concept | LN | 11653-3 | End Diastolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Vertebral A PI | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | | SRT | T-45700 | Vertebral Artery | bilateral |
| | concept | LN | 12008-9 | Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | | | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Vertebral A PSV | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | concept | LN | 11726-7 | Peak Systolic Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Vertebral A RI | anatomy | SRT | T-45700 | Vertebral Artery | bilateral |
| | concept | LN | 12023-8 | Resistivity Index | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Vertebral A S/D | anatomy | SRT | T-45700 | Vertebral Artery | bilateral |
| | concept | LN | 12144-2 | Systolic to Diastolic Velocity Ratio | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| Vertebral A TAPV | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | concept | LN | 11692-1 | Time averaged peak velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Vertebral A TCD Mean | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | concept | 99PMSBLUS | C12221-03 | TCD Mean Velocity | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | cm/s | Centimeter Per Second | bilateral |
| Vertebral A TCD PI | anatomy | 99PMSBLUS | C12105-04 | Vertebral Artery in TCD | bilateral |
| | concept | 99PMSBLUS | C12221-04 | TCD Pulsatility Index | bilateral |
| | section | SRT | T-40501 | Blood Vessel of Head | bilateral |
| | units | UCUM | 1 | ratio | bilateral |
| VTI | anatomy | 99PMSBLUS | sup71_001 | Antecube | bilateral |
| | | SRT | T-45100 | Common Carotid Artery | bilateral |
| | | | T-45170 | Carotid Bulb | bilateral |
| | | | T-45200 | External Carotid Artery | bilateral |
| | | | T-45300 | Internal Carotid Artery | bilateral |
| | | | T-45700 | Vertebral Artery | bilateral |
| | | | T-46010 | Innominate Artery | bilateral |
| | | | T-46100 | Subclavian Artery | bilateral |
| | | | T-46710 | Common Iliac Artery | bilateral |
| | | | T-46740 | Internal Iliac Artery | bilateral |
| | | | T-46910 | External Iliac Artery | bilateral |
| | | | T-47100 | Axillary Artery | bilateral |
| | | | T-47160 | Brachial Artery | bilateral |
| | | | T-47200 | Ulnar Artery | bilateral |
| | | | T-47300 | Radial Artery | bilateral |
| | | T-47400 | Common Femoral Artery | bilateral | |
| | | T-47403 | Superficial Femoral Artery | bilateral | |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | Laterality |
|--|----------|------|---------|---------------------------|------------|
| | | | T-47440 | Profunda Femoris Artery | bilateral |
| | | | T-47500 | Popliteal Artery | bilateral |
| | | | T-47600 | Posterior Tibial Artery | bilateral |
| | | | T-47630 | Peroneal Artery | bilateral |
| | | | T-47700 | Anterior Tibial Artery | bilateral |
| | | | T-47741 | Dorsalis Pedis Artery | bilateral |
| | concept | LN | 20354-7 | Velocity Time Integral | bilateral |
| | section | SRT | T-45005 | Artery of neck | bilateral |
| | | | T-47020 | Artery Of Upper Extremity | bilateral |
| | | | T-47040 | Artery of Lower Extremity | bilateral |
| | segment | SRT | G-A118 | Proximal | bilateral |
| | | | G-A119 | Distal | bilateral |
| | | | G-A188 | Mid-longitudinal | bilateral |
| | units | UCUM | cm | Centimeter | bilateral |

¹ Available only on ClearVue 550 with High Q

A.4 ADULT ECHOCARDIOGRAPHY STRUCTURED REPORT TEMPLATE

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 implements the Adult Echocardiography Template (TID 5200) from the DICOM standard, part 16. This appendix describes the scope and manner that ClearVue 350/550/580 2.0 and ClearVue 650 1.0 measurements appear in DICOM SR.

Measurements and calculations performed for cardiac studies will lead to creation of “Adult Echocardiography Procedure Report” structured report documents. Measurements can be performed by pressing the ‘Calc’ key on ClearVue 350/550/580 2.0 and ClearVue 650 1.0 control panel and selecting the Cardiac (Adult Echo) analysis package. Measurements and calculations available in the menu can be configured through the setup application. It is also possible to configure the measurement unit (Metric or U.S).

All concepts with value type (VT) NUM will always have a ‘MeasurementUnitCodeSequence’ that specifies the unit of the measurement. The CSD for all units will be UCUM (Unified Code for Units) and CV and CM will be based on application configuration and will conform to UCUM standards.

A.4.1 Template specific conformance for TID 5200

The template for the root of the content tree for TID 5200 and its use in the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 context is described in the following table.

Note: Only the rows that apply to use by ClearVue 350/550/580 2.0 and ClearVue 650 1.0 are included.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (125200, DCM, “Adult Echocardiography Procedure Report”) | This is the root ‘CONTAINER’ |
| 2 | > | CONTAINS | INCLUDE | DTID (5201) Echocardiography Patient Characteristics | Refer to A.4.2 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 3 | > | CONTAINS | INCLUDE | DTID (T5200-03) Echo Procedure Summary Section | Refer to A.4.3 for ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |
| 4 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12200 will be used with \$SectionSubject = EV (T-32600, SRT, “Left Ventricle”). |
| 5 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12204 will be used with \$SectionSubject = EV (T-32500, SRT, “Right Ventricle”). |
| 6 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12205 will be used with \$SectionSubject = EV (T-32300, SRT, “Left Atrium”). |
| 7 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12206 will be used with \$SectionSubject = EV (T-32200, SRT, “Right Atrium”). |
| 8 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12211 will be used with \$SectionSubject = EV (T-35400, SRT, “Aortic Valve”). |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|---------|--------------------------------------|---|
| 9 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12207 will be used with \$SectionSubject = EV (T-35300, SRT, "Mitral Valve"). |
| 10 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12209 will be used with \$SectionSubject = EV (T-35200, SRT, "Pulmonic Valve"). |
| 11 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12208 will be used with \$SectionSubject = EV (T-35100, SRT, "Tricuspid Valve"). |
| 12 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12212 will be used with \$SectionSubject = EV (T-42000, SRT, "Aorta"). |
| 13 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12210 will be used with \$SectionSubject = EV (T-44000, SRT, "Pulmonary artery"). |
| 14 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12215 will be used with \$SectionSubject = EV (T-48600, SRT, "Vena Cava"). |
| 15 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12214 will be used with \$SectionSubject = EV (T-48581, SRT, "Pulmonary Venous Structure"). |
| 16 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | Concepts in CID 12217 will be used with \$SectionSubject = EV (P5-30031, SRT, "Cardiac Shunt Study"). |
| 17 | > | CONTAINS | INCLUDE | DTID (T-48720) Hepatic Veins Section | Concepts in CID 12216 will be used with \$SectionSubject = EV (T-48720, SRT, "Hepatic Veins"). Refer to A.4.7 for more details. |

A.4.2 Echocardiography Patient Characteristics (TID 5201)

Use of the template TID 5201 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (121118, DCM, "Patient Characteristics") | |
| 2 | > | CONTAINS | NUM | EV (121033, DCM, "Subject Age") | Units = DCID (7456) |
| 3 | > | CONTAINS | CODE | EV (121032, DCM, "Subject Sex") | Value is taken from PDE (Patient Data Entry) screen or from the MWL and the corresponding Concepts are taken from the DCID 7455. |

| | | | | | |
|---|---|----------|-----|---|--|
| 4 | > | CONTAINS | NUM | EV (F-008EC, SRT, "Systolic Blood Pressure") | Value is taken from PDE (Patient Data Entry) screen. |
| 5 | > | CONTAINS | NUM | EV (F-008ED, SRT, "Diastolic Blood Pressure") | Value is taken from PDE (Patient Data Entry) screen. |
| 6 | > | CONTAINS | NUM | EV (8277-6, LN, "Body Surface Area") | Value automatically calculated by the ClearVue 350/550/580 2.0 and ClearVue 650 1.0 system based on the Height and Weight values entered on PDE (Patient Data Entry) screen. |

A.4.3 Echo Procedure Summary Section (TID 5200-03)

This is a privately defined template to put all the observations, findings and comments entered for the cardiac study in the reporting screen. The following table describes the use of this template in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|-----------------------------|--|
| 1 | | | CONTAINER | DT (121111, DCM, "Summary") | |
| 2 | > | CONTAINS | TEXT | EV (121106, DCM, "Comment") | This field contains all observations, findings and the comments entered in the reporting screen on the ClearVue 350/550/580 2.0 and ClearVue 650 1.0. The format of the finding entry is " <code><FindingGroupName>space<FindingText></code> ", where FindingGroupName is the Anatomy name and FindingText is the text description of the finding. |

A.4.4 Echo Section (TID 5202)

This template is invoked multiple times by passing different section subjects as 'Finding Site' value. Use of the template TID 5202 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---------------------------------------|---|
| 1 | | | CONTAINER | EV(121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | Value passed in the parameter \$SectionSubject is given here. |
| 3 | > | CONTAINS | CONTAINER | DT (125007, DCM, "Measurement Group") | |

| | | | | | |
|---|----|-----------------------|---------|----------------------------------|---|
| 4 | >> | HAS CONCEPT MOD | CODE | EV(G-0373, SRT, "Image Mode") | The value is taken from BCID 12224. |
| 5 | > | CONTAINS | INCLUDE | DTID (5203) Echo Measurement | This template is invoked multiple times for all the measurements done on the \$SectionSubject. Refer to section A.4.5 for details of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 usage of this. |

A.4.5 Echo Measurement (TID 5203)

Use of the template TID 5203 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|-----|-----------------------|---------|---|--|
| 1 | | | INCLUDE | DTID (300) Measurement | |
| 2 | >> | HAS CONCEPT MOD | CODE | EV (G-C036, SRT, "Measurement Method") | This row is used only if the measurement or calculation this template is invoked with mandates it. Otherwise this row is not used. The values are taken from the BCID 12227. |
| 3 | >> | INFERRED FROM | SCoord | Spatial Coordinate Macro | This gives information on measurements coordinates on the referenced image. Coordinate information is given in the form of Graphic Data and Graphic Type. |
| 4 | >>> | SELECTED FROM | IMAGE | Image Reference Macro | It refers to the single frame image on which this measurement is done. SOP Class UID and SOP Instance UID of the corresponding image will be present. |
| 5 | >> | INFERRED FROM | NUM | Referenced Content Item Identifier | This row is used only if the measurement or calculation this template is invoked with is of type MOD Volume measurements. In this case, reference to those twenty Left Ventricle MOD Diam entries, based on which this volume measurement is calculated is given here. |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | If a user has performed more than one measurement then he / she can either use average (default) of these instances or he can specifically select one of the measured instance for using in calculations. If the selection is Average, then that average measurement instance will have a derivation modifier as (R-00317, SRT, "Mean"). |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|------|---|--|
| 7 | >> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value 'Mean Value Chosen' if the Derivation is 'Mean'. In all other cases, this will have a value, 'User Chosen Value'. |
| 8 | > | HAS CONCEPT MOD | CODE | EV (G-C048, SRT, "Flow Direction") | This row is used only if the measurement or calculation this template is invoked with mandates it. Otherwise this row is not used. The values are taken from the BCID 12221. |
| 9 | > | HAS CONCEPT MOD | CODE | EV (R-4089A, SRT, "Cardiac Cycle Point") | IFF \$Measurement = (99PMSBLUS, C12201-01, "Left Ventricle MOD Diam"). The values are taken from DCID 12233. |
| 10 | > | HAS CONCEPT MOD | CODE | EV (G-0373, SRT, "Image Mode") | This row is used only if the measurement or calculation this template is invoked with mandates it. Otherwise this row is not used. The values are taken from the BCID 12224. |
| 11 | > | HAS CONCEPT MOD | CODE | EV (111031, DCM, "Image View") | This row is used only if the measurement or calculation this template is invoked with mandates it. Otherwise this row is not used. The values are taken from the BCID 12226. |
| 12 | > | HAS CONCEPT MOD | TEXT | EV (99PMSBLUS, T5203-01, "Simpson's Disk Number") = value | IFF \$Measurement = (99PMSBLUS, C12201-01, "Left Ventricle MOD Diam"). The 'value' will be in the range, 1-20. |

A.4.6 Hepatic Veins (T-48720)

This template is used for measurements of the Hepatic Veins. Use of the template T-48720 in the context of ClearVue 350/550/580 2.0 and ClearVue 650 1.0 is described in the following table.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|--|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | Value passed in the parameter \$SectionSubject is given here. |
| 3 | > | CONTAINS | CONTAINER | DT (125007, DCM, "Measurement Group") | |
| 4 | >> | HAS PROPERTIES | CODE | EV (121404, DCM, "Selection Status") | This will have a value 'Mean Value Chosen' if the Derivation is 'Mean'. In all other cases, this will have a value, 'User Chosen Value'. |
| 5 | >> | CONTAINS | CODE | EV (29471-0, LN, "Hepatic Vein Systolic Peak Velocity") | This value is taken from CID 12216. |

| | | | | | |
|---|----|----------|------|--|--|
| 6 | >> | CONTAINS | CODE | EV (29474-4, LN, "Hepatic Vein Atrial Contraction Reversal Peak Velocity") | This value is taken from CID 12216. |
| 7 | >> | CONTAINS | CODE | EV (C12216-01, 99PMSBLUS, "Hepatic Vein A-Wave Duration") | This value is an extension to CID 12216. |
| 8 | >> | CONTAINS | CODE | EV (29472-8, LN, "Hepatic Vein Diastolic Peak Velocity") | This value is taken from CID 12216. |
| 9 | >> | CONTAINS | CODE | EV (29473-6, LN "Hepatic Vein Systolic to Diastolic Ratio") | This value is taken from CID 12216. |

A.4.7 eDCS – Adult Echocardiography Template Support

The following list represents the Electronic DICOM Conformance Statement (eDCS) format for the Structured Report output for the Adult Echocardiography Procedure Report as supported on ClearVue 350/550/580 2.0 and ClearVue 650 1.0.

This list is made up of ‘signatures’ that describe the group of codes used for each exported measurement and calculation result.

A ‘signature’ will contain the Label as displayed on the system user interface in the Calcs application and report pages, followed by the modifiers required by the DICOM SR Template and Structured Reporting SOP Class in order to include a given measurement or calculation value.

Some signatures will contain as few as two or as many as six modifiers.

In the table below, the following terms are used:

| | |
|----------|--------------------------|
| CSD | Coding Scheme Designator |
| CV | Code Value |
| CM | Code Meaning |
| Mod Type | Concept Modifier Type |

“Mod Type” Field

| | |
|-----------|---|
| App | Application or SR Template this measurement or calculation applies to |
| Site | The finding site as specified by the template |
| Concept | The code sequence as defined by the CSD |
| Mode | The imaging mode used for this value |
| Direction | Regurgitant or Antegrade flow |
| Method | Measurement or Calculation method used |
| Target | Location |
| View | Cardiac Imaging View |

Following this list is a list of measurements that will not be exported.

A.4.7.1 eDCS Table

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|-----------|------|-------------------|------------------------------|
| A Wave Amp | concept | LN | 59100-8 | A Wave Amp |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm | Centimeter |
| AI Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | sec | Seconds |
| AI Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s ² | Centimeter Per Second Square |
| AI Alias Vel | concept | LN | 59130-5 | Alias Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AI Dec Slope | concept | LN | 20216-8 | Deceleration Slope |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|-----------------------------------|
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s2 | Centimeter Per Second Square |
| AI Dec Slope Time | concept | LN | 20217-6 | Deceleration Time |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | sec | Seconds |
| AI End Dias Vel | concept | LN | 11653-3 | End Diastolic Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AI ERO | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm2 | Square Centimeter |
| AI Flow Rate | concept | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | ml/sec | ml/sec |
| AI Fraction | concept | SRT | G-0390 | Regurgitant Fraction |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | % | Percent |
| AI Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| AI Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| AI P1/2t | concept | LN | 20280-4 | Pressure Half-Time |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | msec | Millisecond |
| AI Radius | concept | LN | 59102-4 | Flow Radius |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm | Centimeter |
| AI Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AI Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|------------------------------|
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AI Volume | concept | LN | 33878-0 | Volume Flow |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | ml | Milliliter |
| AI VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm | Centimeter |
| Ao Arch Diam | concept | LN | 18011-7 | Aortic Arch Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| Ao Isthmus Diam | concept | LN | 18014-1 | Aortic Isthmus Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| AoR Diam (2D) | concept | LN | 18015-8 | Aortic Root Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| AoR Diam (MM) | concept | LN | 18015-8 | Aortic Root Diameter |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| Asc Ao Diam | concept | LN | 18012-5 | Ascending Aortic Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| AV Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | sec | Seconds |
| AV Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s2 | Centimeter Per Second Square |
| AV Area | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125220 | Planimetry |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm2 | Square Centimeter |
| AV Cusp Sep | concept | LN | 17996-0 | Aortic Valve Cusp Separation |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|-----------|---------------|-----------|---|
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm | Centimeter |
| AV Dec Time | concept | LN | 20217-6 | Deceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | sec | Seconds |
| AV Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV R-R | concept | LN | 8867-4 | Heart rate |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | {H.B}/min | Beats Per Minute |
| AV Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AV Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| AV VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm | Centimeter |
| AVA (Vmax) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125214 | Continuity Equation by Peak Velocity |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm2 | Square Centimeter |
| AVA (VTI) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm2 | Square Centimeter |
| B-C Slope | concept | 99PMSBLU S | C12209-03 | B-C Slope |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| CI (2D-Cubed) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125206 | Cube Method |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|-------------------------------|
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI (2D-Teich) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI (A/L) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI (MM-Cubed) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI (MM-Teich) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI(MOD-bp) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| CI(MOD-sp2) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| | view | SRT | G-A19B | Apical two chamber |
| CI(MOD-sp4) | concept | SRT | F-32110 | Cardiac Index |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min/m2 | l/min/m2 |
| | view | SRT | G-A19C | Apical four chamber |
| CO (2D-Cubed) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|-------------------------------|
| CO (2D-Teich) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| CO (A/L) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| CO (LVOT) | concept | SRT | F-32100 | Cardiac Output |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | l/min | Litre Per Minute |
| CO (MM-Cubed) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| CO (MM-Teich) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| CO (MV) | concept | SRT | F-32100 | Cardiac Output |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | l/min | Litre Per Minute |
| CO (RVOT) | concept | SRT | F-32100 | Cardiac Output |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | l/min | Litre Per Minute |
| CO (TV) | concept | SRT | F-32100 | Cardiac Output |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | l/min | Litre Per Minute |
| CO(MOD-bp) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| CO(MOD-sp2) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| | view | SRT | G-A19B | Apical two chamber |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|---|
| CO(MOD-sp4) | concept | SRT | F-32100 | Cardiac Output |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | l/min | Litre Per Minute |
| | view | SRT | G-A19C | Apical four chamber |
| Desc Ao Diam | concept | LN | 18013-3 | Descending Aortic Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-42000 | Aorta |
| | units | UCUM | cm | Centimeter |
| E/Lat E' | concept | SRT | G-037B | Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | 1 | no units |
| E/Med E' | concept | SRT | G-037B | Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | 1 | no units |
| E/A` Lateral | concept | LN | 59129-7 | Left Ventricle E to A Tissue Velocity Ratio |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | 1 | no units |
| E/A` Medial | concept | LN | 59129-7 | Left Ventricle E to A Tissue Velocity Ratio |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | 1 | no units |
| EDV (2D-Cubed) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV (2D-Teich) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV (A/L) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV (MM-Cubed) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|---|
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV (MM-Teich) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV(MOD-bp) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| EDV(MOD-sp2) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm3 | Cubic Centimeter |
| | view | SRT | G-A19B | Apical two chamber |
| EDV(MOD-sp4) | concept | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm3 | Cubic Centimeter |
| | view | SRT | G-A19C | Apical four chamber |
| EF (2D-Cubed) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF (2D-Teich) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF (A/L) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF (Dumesnil) | concept | 99PMSBLU S | C3467-04 | Left Ventricular Ejection Fraction by Dumesnil 1995 |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|--------------------------------------|
| EF (MM-Cubed) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF (MM-Teich) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF(MOD-bp) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| EF(MOD-sp2) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| | view | SRT | G-A19B | Apical two chamber |
| EF(MOD-sp4) | concept | LN | 18043-0 | Left Ventricular Ejection Fraction |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| | view | SRT | G-A19C | Apical four chamber |
| ESV (2D-Cubed) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV (2D-Teich) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV (A/L) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV (MM-Cubed) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|--|
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV (MM-Teich) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV(MOD-bp) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| ESV(MOD-sp2) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm3 | Cubic Centimeter |
| | view | SRT | G-A19B | Apical two chamber |
| ESV(MOD-sp4) | concept | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm3 | Cubic Centimeter |
| | view | SRT | G-A19C | Apical four chamber |
| FS (2D-Cubed) | concept | LN | 18051-3 | Left Ventricular Fractional Shortening |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| FS (2D-Teich) | concept | LN | 18051-3 | Left Ventricular Fractional Shortening |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| FS (MM-Cubed) | concept | LN | 18051-3 | Left Ventricular Fractional Shortening |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| FS (MM-Teich) | concept | LN | 18051-3 | Left Ventricular Fractional Shortening |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| Hep. A Revs Dur Time | concept | 99PMSBLU | C12216-01 | Hepatic Vein A-Wave Duration |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|----------|------|------------|---|
| | | S | | |
| | site | SRT | T-48720 | Hepatic Veins |
| | units | UCUM | sec | Seconds |
| Hep. A Revs Vel | concept | LN | 29474-4 | Hepatic Vein Atrial Contraction Reversal Peak Velocity |
| | site | SRT | T-48720 | Hepatic Veins |
| | units | UCUM | cm/s | Centimeter Per Second |
| Hepatic Dias Vel | concept | LN | 29472-8 | Hepatic Vein Diastolic Peak Velocity |
| | site | SRT | T-48720 | Hepatic Veins |
| | units | UCUM | cm/s | Centimeter Per Second |
| Hepatic S/D | concept | LN | 29473-6 | Hepatic Vein Systolic to Diastolic Ratio |
| | site | SRT | T-48720 | Hepatic Veins |
| | units | UCUM | 1 | no units |
| Hepatic Sys Vel | concept | LN | 29471-0 | Hepatic Vein Systolic Peak Velocity |
| | site | SRT | T-48720 | Hepatic Veins |
| | units | UCUM | cm/s | Centimeter Per Second |
| HR LV | concept | LN | 8867-4 | Heart rate |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| HR LV | concept | LN | 8867-4 | Heart rate |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| IVC Diameter | concept | LN | 18006-7 | Inferior Vena Cava Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-48600 | Vena Cava |
| | units | UCUM | cm | Centimeter |
| IVCT Time | concept | SRT | G-037E | Left Ventricular Isovolumic Contraction Time |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | sec | Seconds |
| IVRT Time | concept | LN | 18071-1 | Left Ventricular Isovolumic Relaxation Time |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | sec | Seconds |
| IVS % (2D) | concept | LN | 18054-7 | Interventricular Septum % Thickening |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| IVS % (MM) | concept | LN | 18054-7 | Interventricular Septum % Thickening |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| IVS/LVPW (2D) | concept | LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | 1 | no units |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|---|
| IVS/LVPW (MM) | concept | LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | 1 | no units |
| IVSd (2D) | concept | LN | 18154-5 | Interventricular Septum Diastolic Thickness |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| IVSd (MM) | concept | LN | 18154-5 | Interventricular Septum Diastolic Thickness |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| IVSs (2D) | concept | LN | 18158-6 | Interventricular Septum Systolic Thickness |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| IVSs (MM) | concept | LN | 18158-6 | Interventricular Septum Systolic Thickness |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LA Dimen (2D) | concept | LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32300 | Left Atrium |
| | units | UCUM | cm | Centimeter |
| LA Dimen (MM) | concept | LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-32300 | Left Atrium |
| | units | UCUM | cm | Centimeter |
| LA/Ao (2D) | concept | LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32300 | Left Atrium |
| | units | UCUM | 1 | no units |
| LA/Ao (MM) | concept | LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-32300 | Left Atrium |
| | units | UCUM | 1 | no units |
| Lat A` Area VTI | concept | LN | 59125-5 | LV VTI A wave US |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | cm | Centimeter |
| Lat A` Vel | concept | SRT | G-037C | LV Peak Diastolic Tissue Velocity During Atrial Systole |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|---|
| | units | UCUM | cm/s | Centimeter Per Second |
| Lat Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Lat Dec Time | concept | LN | 20217-6 | Deceleration Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Lat E' Area VTI | concept | LN | 59124-8 | LV VTI E wave US |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | cm | Centimeter |
| Lat E' Vel | concept | SRT | G-037A | Left Ventricular Peak Early Diastolic Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | cm/s | Centimeter Per Second |
| Lat IVCT Time | concept | SRT | G-037E | Left Ventricular Isovolumic Contraction Time |
| | mode | 99PMSBLU S | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Lat IVRT Time | concept | LN | 18071-1 | Left Ventricular Isovolumic Relaxation Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Lat S Vel | concept | SRT | G-037D | Left Ventricular Peak Systolic Tissue Velocity |
| | mode | 99PMSBLU S | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | cm/s | Centimeter Per Second |
| Late Dias Slope | concept | 99PMSBLU S | C12209-01 | Late Diastolic Slope |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| LPA Diam | concept | LN | 18019-0 | Left Pulmonary Artery Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-44000 | Pulmonary artery |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|---|
| | units | UCUM | cm | Centimeter |
| LV Dp/dt | concept | LN | 18035-6 | Mitral Regurgitation dP/dt derived from Mitral Reg velocity |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | mm[Hg]/s | mmHg/s |
| LV EDA | concept | SRT | G-0375 | Left Ventricular Diastolic Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| LV ESA | concept | SRT | G-0374 | Left Ventricular Systolic Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| LV ET Time | concept | LN | 20222-6 | Eject Time |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | sec | Seconds |
| LV FAC | concept | SRT | G-0376 | Left Ventricular Fractional Area Change |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| LV Mass (A/L) | concept | LN | 18087-7 | Left Ventricle Mass |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | g | Gram |
| LV Mass (Cubed) | concept | LN | 18087-7 | Left Ventricle Mass |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | g | Gram |
| LV Mass Index (A/L) | concept | 99PMSBLU S | C12203-01 | Left Ventricle Mass Index |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | g/m2 | g/m2 |
| LV Mass Index(Cubed) | concept | 99PMSBLU S | C12203-01 | Left Ventricle Mass Index |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | g/m2 | g/m2 |
| LV PEP Time | concept | LN | 59085-1 | Pre-Eject Time |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | sec | Seconds |
| LV PEP/ET | concept | 99PMSBLU S | C12203-04 | PEP/ET |
| | site | SNM3 | T-32600 | Left Ventricle |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|------------|---|
| | units | UCUM | 1 | no units |
| LV R-R | concept | LN | 8867-4 | Heart rate |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| LVAd (A/L) | concept | SRT | G-0375 | Left Ventricular Diastolic Area |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| LVAd ap2 | concept | SRT | G-0375 | Left Ventricular Diastolic Area |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-A19B | Apical two chamber |
| LVAd ap4 | concept | SRT | G-0375 | Left Ventricular Diastolic Area |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-A19C | Apical four chamber |
| LVAd Sax Endo Area | concept | SRT | G-0375 | Left Ventricular Diastolic Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| LVAd Sax Epi Area | concept | SRT | G-0379 | Left Ventricle Epicardial Diastolic Area, psax pap view |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| LVAs (A/L) | concept | SRT | G-0374 | Left Ventricular Systolic Area |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| LVAs ap2 | concept | SRT | G-0374 | Left Ventricular Systolic Area |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-A19B | Apical two chamber |
| LVAs ap4 | concept | SRT | G-0374 | Left Ventricular Systolic Area |
| | method | DCM | 125208 | Method of Disks, Single Plane |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|---|
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm2 | Square Centimeter |
| | view | SRT | G-A19C | Apical four chamber |
| LVIDd (2D) | concept | LN | 29436-3 | Left Ventricle Internal End Diastolic Dimension |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVIDd (MM) | concept | LN | 29436-3 | Left Ventricle Internal End Diastolic Dimension |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVIDs (2D) | concept | LN | 29438-9 | Left Ventricle Internal Systolic Dimension |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVIDs (MM) | concept | LN | 29438-9 | Left Ventricle Internal Systolic Dimension |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVLd (A/L) | concept | LN | 18077-8 | Left Ventricle diastolic major axis |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVLd Apical | concept | LN | 18077-8 | Left Ventricle diastolic major axis |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVLs (A/L) | concept | LN | 18076-0 | Left Ventricle systolic major axis |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVOT Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | sec | Seconds |
| LVOT Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm/s2 | Centimeter Per Second Square |
| LVOT Area | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|----------|------|---------|---|
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm2 | Square Centimeter |
| LVOT Diam | concept | SRT | G-038F | Cardiovascular Orifice Diameter |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm | Centimeter |
| LVOT Max PG | concept | LN | 20247-3 | Peak Gradient |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| LVOT Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| LVOT Vmax | concept | LN | 20351-3 | Peak Velocity |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm/s | Centimeter Per Second |
| LVOT Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm/s | Centimeter Per Second |
| LVOT VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | cm | Centimeter |
| LVPW % (2D) | concept | LN | 18053-9 | Left Ventricle Posterior Wall % Thickening |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| LVPW % (MM) | concept | LN | 18053-9 | Left Ventricle Posterior Wall % Thickening |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | % | Percent |
| LVPWd (2D) | concept | LN | 18152-9 | Left Ventricle Posterior Wall Diastolic Thickness |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVPWd (MM) | concept | LN | 18152-9 | Left Ventricle Posterior Wall Diastolic Thickness |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| LVPWs (2D) | concept | LN | 18156-0 | Left Ventricle Posterior Wall Systolic Thickness |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|----------|---------------|----------|---|
| | units | UCUM | cm | Centimeter |
| LVPWs (MM) | concept | LN | 18156-0 | Left Ventricle Posterior Wall Systolic Thickness |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | cm | Centimeter |
| Med A` Area VTI | concept | LN | 59125-5 | LV VTI A wave US |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | cm | Centimeter |
| Med A` Vel | concept | SRT | G-037C | LV Peak Diastolic Tissue Velocity During Atrial Systole |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | cm/s | Centimeter Per Second |
| Med Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Med Dec Time | concept | LN | 20217-6 | Deceleration Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Med E` Area VTI | concept | LN | 59124-8 | Area under LV E Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | cm | Centimeter |
| Med E` Vel | concept | SRT | G-037A | Left Ventricular Peak Early Diastolic Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | cm/s | Centimeter Per Second |
| Med IVCT Time | concept | SRT | G-037E | Left Ventricular Isovolumic Contraction Time |
| | mode | 99PMSBLU S | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Med IVRT Time | concept | LN | 18071-1 | Left Ventricular Isovolumic Relaxation Time |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|--|
| | units | UCUM | sec | Seconds |
| Med S Vel | concept | SRT | G-037D | Left Ventricular Peak Systolic Tissue Velocity |
| | mode | 99PMSBLU S | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | cm/s | Centimeter Per Second |
| MPA Diam | concept | LN | 18020-8 | Main Pulmonary Artery Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-44000 | Pulmonary artery |
| | units | UCUM | cm | Centimeter |
| MR Alias Vel | concept | LN | 59130-5 | Alias Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MR ERO | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm2 | Square Centimeter |
| MR Flow Rate | concept | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | ml/sec | ml/sec |
| MR Fraction | concept | SRT | G-0390 | Regurgitant Fraction |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | % | Percent |
| MR Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| MR Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| MR Radius | concept | LN | 59102-4 | Flow Radius |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MR Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MR Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-------------------|-----------------------------------|
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MR Volume | concept | LN | 33878-0 | Volume Flow |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | ml | Milliliter |
| MR VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV A Dur Time | concept | SRT | G-0385 | Mitral Valve A-Wave Duration |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | sec | Seconds |
| MV A-C Interval Time | concept | 99PMSBLU S | C12207-04 | Mitral Valve A-C Interval |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | sec | Seconds |
| MV Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | sec | Seconds |
| MV Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s ² | Centimeter Per Second Square |
| MV Alias Vel | concept | LN | 59130-5 | Alias Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV Area (Planim) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125220 | Planimetry |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm ² | Square Centimeter |
| MV D-E Exc Dist | concept | 99PMSBLU S | C12207-01 | Mitral Valve D-E Excursion |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV D-E Slope | concept | 99PMSBLU S | C12207-02 | Mitral Valve D-E Slope |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|-----------|---------------|-------------------|----------------------------------|
| | units | UCUM | cm/s | Centimeter Per Second |
| MV Dec Slope | concept | LN | 20216-8 | Deceleration Slope |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s ² | Centimeter Per Second Square |
| MV Dec Time | concept | LN | 20217-6 | Deceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | sec | Seconds |
| MV Diam | concept | SRT | G-038F | Cardiovascular Orifice Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV E/A | concept | LN | 18038-0 | Mitral Valve E to A Ratio |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | 1 | no units |
| MV E-E Sep | concept | 99PMSBLU S | C12207-03 | Mitral Valve E-E Separation |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV E-F Slope | concept | LN | 18040-6 | Mitral Valve E-F Slope by M-Mode |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV EPSS | concept | LN | 18036-4 | Mitral Valve EPSS, E wave |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| MV Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| MV P1/2t | concept | LN | 20280-4 | Pressure Half-Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | msec | Millisecond |
| MV P1/2t Vmax | concept | 99PMSBLU S | C12222-03 | Pressure Half-Time Peak velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------------|---|
| MV Peak A Vel | concept | LN | 17978-8 | Mitral Valve A-Wave Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV Peak E Vel | concept | LN | 18037-2 | Mitral Valve E-Wave Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV Radius | concept | LN | 59102-4 | Flow Radius |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MV R-R | concept | LN | 8867-4 | Heart rate |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| MV Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| MV VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm | Centimeter |
| MVA (P1/2t) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125210 | Area by Pressure Half-Time |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm ² | Square Centimeter |
| MVA (PISA) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm ² | Square Centimeter |
| MVA (VTI) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm ² | Square Centimeter |
| PI End Dias PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| PI End Dias Vel | concept | LN | 11653-3 | End Diastolic Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|--|
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| PISA (AI) | concept | 99PMSBLU S | C12211-01 | Aortic Valve Flow Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | cm2 | Square Centimeter |
| PISA (MR) | concept | 99PMSBLU S | C12207-06 | Mitral Valve Flow Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | cm2 | Square Centimeter |
| PISA (TR) | concept | 99PMSBLU S | C12208-05 | Tricuspid Valve Flow Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm2 | Square Centimeter |
| Pulm A Revs Dur Time | concept | SRT | G-038B | Pulmonary Vein A-Wave Duration |
| | site | SRT | T-48581 | Pulmonary Venous Structure |
| | units | UCUM | sec | Seconds |
| Pulm A Revs Vel | concept | LN | 29453-8 | Pulmonary Vein Atrial Contraction Reversal Peak Velocity |
| | site | SRT | T-48581 | Pulmonary Venous Structure |
| | units | UCUM | cm/s | Centimeter Per Second |
| Pulm Dias Vel | concept | LN | 29451-2 | Pulmonary Vein Diastolic Peak Velocity |
| | site | SRT | T-48581 | Pulmonary Venous Structure |
| | units | UCUM | cm/s | Centimeter Per Second |
| Pulm S/D | concept | LN | 29452-0 | Pulmonary Vein Systolic to Diastolic Ratio |
| | site | SRT | T-48581 | Pulmonary Venous Structure |
| | units | UCUM | 1 | no units |
| Pulm Sys Vel | concept | LN | 29450-4 | Pulmonary Vein Systolic Peak Velocity |
| | site | SRT | T-48581 | Pulmonary Venous Structure |
| | units | UCUM | cm/s | Centimeter Per Second |
| PV Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | sec | Seconds |
| PV Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s2 | Centimeter Per Second Square |
| PV Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------------|---|
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| PV Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| PV R-R | concept | LN | 8867-4 | Heart rate |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| PV Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| PV Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| PV VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm | Centimeter |
| PVA (Vmax) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125214 | Continuity Equation by Peak Velocity |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm ² | Square Centimeter |
| PVA (VTI) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | site | SRT | T-35200 | Pulmonic Valve |
| | units | UCUM | cm ² | Square Centimeter |
| Qp/Qs | concept | LN | 29462-9 | Pulmonary-to-Systemic Shunt Flow Ratio |
| | site | SRT | P5-30031 | Cardiac Shunt Study |
| | units | UCUM | 1 | no units |
| R to AV Closure | concept | 99PMSBLU S | C12211-07 | R Wave to Aortic Valve Closure Time |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | msec | Millisecond |
| R to AV Open | concept | 99PMSBLU S | C12211-06 | R Wave to Aortic Valve Opening Time |
| | site | SRT | T-35400 | Aortic Valve |
| | units | UCUM | msec | Millisecond |
| R to MV Closure | concept | 99PMSBLU S | C12207-42 | R Wave to Mitral Valve Closure Time |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | msec | Millisecond |
| R to MV Open | concept | 99PMSBLU S | C12207-41 | R Wave to Mitral Valve Opening Time |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | msec | Millisecond |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM | |
|---|-------------------|---------------|---------------|---|---|
| RA Pressure | concept | LN | 18070-3 | Right Atrium Systolic Pressure | |
| | site | SRT | T-32200 | Right Atrium | |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury | |
| RPA Diam | concept | LN | 18021-6 | Right Pulmonary Artery Diameter | |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SRT | T-44000 | Pulmonary artery | |
| | units | UCUM | cm | Centimeter | |
| | RV EDA | concept | 99PMSBLU S | C12204-01 | Right Ventricular Diastolic Area |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | cm2 | Square Centimeter | |
| | RV ET Time | concept | LN | 20222-6 | Eject Time |
| | mode | SRT | G-0394 | M mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | sec | Seconds | |
| RV/LV | concept | 99PMSBLU S | C12204-04 | Right and Left Ventricular End Diastolic Diameter Ratio | |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | 1 | no units | |
| | RV ESA | concept | 99PMSBLU S | C12204-02 | Right Ventricular Systolic Area |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SNM3 | T-32500 | Right Ventricle | |
| | units | UCUM | cm2 | Square Centimeter | |
| | RV FAC | concept | 99PMSBLU S | C12204-03 | Right Ventricular Fractional Area Change |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | % | Percent | |
| RV PEP Time | concept | 99PMSBLU S | C12203-03 | Pre-Eject Time | |
| | mode | SRT | G-0394 | M mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | sec | Seconds | |
| | RV PEP/ET | concept | 99PMSBLU S | C12203-04 | PEP/ET |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | 1 | no units | |
| | RVAWd (2D) | concept | LN | 18153-7 | Right Ventricular Anterior Wall Diastolic Thickness |
| | mode | SRT | G-03A2 | 2D mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | cm | Centimeter | |
| | RVAWd (MM) | concept | LN | 18153-7 | Right Ventricular Anterior Wall Diastolic Thickness |
| | mode | SRT | G-0394 | M mode | |
| | site | SRT | T-32500 | Right Ventricle | |
| | units | UCUM | cm | Centimeter | |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|--|
| RVIDd (2D) | concept | LN | 20304-2 | Right Ventricular Internal Diastolic Dimension |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32500 | Right Ventricle |
| | units | UCUM | cm | Centimeter |
| RVIDd (MM) | concept | LN | 20304-2 | Right Ventricular Internal Diastolic Dimension |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-32500 | Right Ventricle |
| | units | UCUM | cm | Centimeter |
| RVOT Area | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | cm2 | Square Centimeter |
| RVOT Diam | concept | SRT | G-038F | Cardiovascular Orifice Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | cm | Centimeter |
| RVOT Max PG | concept | LN | 20247-3 | Peak Gradient |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| RVOT Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| RVOT Vmax | concept | LN | 20351-3 | Peak Velocity |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | cm/s | Centimeter Per Second |
| RVOT Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | cm/s | Centimeter Per Second |
| RVOT VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | cm | Centimeter |
| RVSP | concept | SRT | G-0380 | Right Ventricular Peak Systolic Pressure |
| | site | SRT | T-32500 | Right Ventricle |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| SI (2D-Cubed) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|-------------------------------|
| | units | UCUM | ml/m2 | ml/m2 |
| SI (2D-Teich) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| SI (A/L) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| SI (MM-Cubed) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| SI (MM-Teich) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| SI(MOD-bp) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| SI(MOD-sp2) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| | view | SRT | G-A19B | Apical two chamber |
| SI(MOD-sp4) | concept | SRT | F-00078 | Stroke Index |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml/m2 | ml/m2 |
| | view | SRT | G-A19C | Apical four chamber |
| SV (2D-Cubed) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV (2D-Teich) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125209 | Teichholz |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|------------|-----------|-------------------------------|
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV (A/L) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125226 | Single Plane Ellipse |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV (LVOT) | concept | SRT | F-32120 | Stroke Volume |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SNM3 | T-32650 | Left Ventricle Outflow Tract |
| | units | UCUM | ml | Milliliter |
| SV (MM-Cubed) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125206 | Cube Method |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV (MM-Teich) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125209 | Teichholz |
| | mode | SRT | G-0394 | M mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV (MV) | concept | SRT | F-32120 | Stroke Volume |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | ml | Milliliter |
| SV (RVOT) | concept | SRT | F-32120 | Stroke Volume |
| | site | SRT | T-32500 | Right Ventricle |
| | target | SNM3 | T-32550 | Right Ventricle Outflow Tract |
| | units | UCUM | ml | Milliliter |
| SV (TV) | concept | SRT | F-32120 | Stroke Volume |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | ml | Milliliter |
| SV(MOD-bp) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125207 | Method of Disks, Biplane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| SV(MOD-sp2) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| | view | SRT | G-A19B | Apical two chamber |
| SV(MOD-sp4) | concept | SRT | F-32120 | Stroke Volume |
| | method | DCM | 125208 | Method of Disks, Single Plane |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|--|
| | mode | SRT | G-03A2 | 2D mode |
| | site | SNM3 | T-32600 | Left Ventricle |
| | units | UCUM | ml | Milliliter |
| | view | SRT | G-A19C | Apical four chamber |
| Tei Index | concept | 99PMSBLU S | C12207-05 | Tei Index |
| | site | SNM3 | T-35300 | Mitral Valve |
| | units | UCUM | 1 | no units |
| Time to Lat E' | concept | LN | 59096-8 | Time to Left Ventricle E Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Time to Lat S | concept | LN | 59095-0 | Time to Left Ventricle S Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0392 | Lateral Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Time to Med E' | concept | LN | 59096-8 | Time to Left Ventricle E Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | sec | Seconds |
| Time to Med S | concept | LN | 59095-0 | Time to Left Ventricle S Tissue Velocity |
| | mode | SRT | P5-B0128 | Tissue Doppler Imaging |
| | site | SNM3 | T-32600 | Left Ventricle |
| | target | SRT | G-0391 | Medial Mitral Annulus |
| | units | UCUM | sec | Seconds |
| TR Alias Vel | concept | LN | 59130-5 | Alias Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TR ERO | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm2 | Square Centimeter |
| TR Flow Rate | concept | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | ml/sec | ml/sec |
| TR Fraction | concept | SRT | G-0390 | Regurgitant Fraction |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | % | Percent |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-------------------|------------------------------|
| TR Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| TR Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| TR Radius | concept | LN | 59102-4 | Flow Radius |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |
| TR Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TR Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TR Volume | concept | LN | 33878-0 | Volume Flow |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | ml | Milliliter |
| TR VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | G-0367 | Regurgitant Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |
| TV A-C Interval Time | concept | 99PMSBLU S | C12208-04 | Tricuspid Valve A-C Interval |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | sec | Seconds |
| TV Acc Time | concept | LN | 20168-1 | Acceleration Time |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | sec | Seconds |
| TV Acc Time Slope | concept | LN | 20167-3 | Acceleration Slope |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s ² | Centimeter Per Second Square |
| TV Alias Vel | concept | LN | 59130-5 | Alias Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|---|-----------------|---------------|-----------|--------------------------------------|
| TV Area | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm2 | Square Centimeter |
| TV D-E Exc Dist | concept | 99PMSBLU S | C12208-01 | Tricuspid Valve D-E Excursion |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |
| TV D-E Slope | concept | 99PMSBLU S | C12208-02 | Tricuspid Valve D-E Slope |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV Diam | concept | SRT | G-038F | Cardiovascular Orifice Diameter |
| | mode | SRT | G-03A2 | 2D mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |
| TV E/A | concept | LN | 18039-8 | Tricuspid Valve E to A Ratio |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | 1 | no units |
| TV E-F Slope | concept | 99PMSBLU S | C12208-03 | Tricuspid Valve E-F Slope |
| | mode | SRT | G-0394 | M mode |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV Max PG | concept | LN | 20247-3 | Peak Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| TV Mean PG | concept | LN | 20256-4 | Mean Gradient |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | mm[Hg] | Millimeters Of Mercury |
| TV Peak A Vel | concept | LN | 18030-7 | Tricuspid Valve A Wave Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV Peak E Vel | concept | LN | 18031-5 | Tricuspid Valve E Wave Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV Radius | concept | LN | 59102-4 | Flow Radius |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Report Label | MOD Type | CSD | CV | CM |
|--|-----------|------|------------|-----------------------------------|
| TV R-R | concept | LN | 8867-4 | Heart rate |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | {H.B.}/min | Beats Per Minute |
| TV Vmax | concept | LN | 20351-3 | Peak Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV Vmean | concept | LN | 20352-1 | Time Averaged Mean Velocity |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm/s | Centimeter Per Second |
| TV VTI | concept | LN | 20354-7 | Velocity Time Integral |
| | direction | SRT | R-42047 | Antegrade Flow |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm | Centimeter |
| TVA (PISA) | concept | SRT | G-038E | Cardiovascular Orifice Area |
| | method | DCM | 125216 | Proximal Isovelocity Surface Area |
| | site | SRT | T-35100 | Tricuspid Valve |
| | units | UCUM | cm2 | Square Centimeter |

A.4.8 Cardiac (Adult Echo) Meas/Calcs NOT exported in Dicom

The following labels are not exported in DICOM Structured Reports for Adult Echo.

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| AI AT Max PG |
| AI AT Vmax |
| AI DS Max PG |
| AI DS P1/2t |
| AI DS Vmax |
| AI End Dias PG |
| AI P1/2t Max PG |
| AI P1/2t Slope |
| AI P1/2t Time |
| AI P1/2t Vmax |
| Ao Arch Area |
| Ao Isthmus Area |
| AoR Area |
| Asc Ao Area |
| AV Area Circ |
| AV AT Max PG |
| AV AT Vmax |
| AV DT Max PG |
| AV DT P1/2t |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| AV DT Slope |
| AV DT Vmax |
| B-C Slope Dist |
| B-C Time |
| Desc Ao Area |
| Hep. A Revs Dur Max PG |
| Hep. A Revs Dur P1/2t |
| Hep. A Revs Dur Slope |
| Hep. A Revs Dur Vmax |
| Hep. A Revs PG |
| Hepatic Dias PG |
| Hepatic Sys PG |
| IVCT P1/2t |
| IVCT Slope |
| IVCT Slope Max PG |
| IVCT Slope Vmax |
| IVRT P1/2t |
| IVRT Slope |
| IVRT Slope Max PG |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| IVRT Slope Vmax |
| LA Area |
| Lat A' Area Vmax |
| Lat A' Area Vmean |
| Lat AT Slope |
| Lat AT Vmax |
| Lat DT P1/2t |
| Lat DT Slope |
| Lat DT Vmax |
| Lat E' Area Vmax |
| Lat E' Area Vmean |
| Lat IVCT P1/2t |
| Lat IVCT Slope |
| Lat IVCT Vmax |
| Lat IVRT P1/2t |
| Lat IVRT Slope |
| Lat IVRT Vmax |
| Late Dias Slope Dist |
| Late Dias Time |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| LPA Area |
| LV ET Dist |
| LV ET Slope |
| LV PEP Dist |
| LV PEP Slope |
| LVA _d Sax Endo Circ |
| LVA _d Sax Epi Circ |
| LVL _d Apical Area |
| LVOT Area |
| LVOT AT Max PG |
| LVOT AT Vmax |
| Med A` Area Vmax |
| Med A` Area Vmean |
| Med AT Slope |
| Med AT Vmax |
| Med DT P1/2t |
| Med DT Slope |
| Med DT Vmax |
| Med E` Area Vmax |
| Med E` Area Vmean |
| Med IVCT P1/2t |
| Med IVCT Slope |
| Med IVCT Vmax |
| Med IVRT P1/2t |
| Med IVRT Slope |
| Med IVRT Vmax |
| MPA Area |
| MV A Dur MaxPG |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| MV A Dur P1/2t |
| MV A Dur Slope |
| MV A Dur Vmax |
| MV A-C Int Dist |
| MV A-C Int Slope |
| MV Area |
| MV Area |
| MV Area (Planim) Circ |
| MV AT MaxPG |
| MV AT Vmax |
| MV D-E Dist |
| MV D-E Exc Time |
| MV D-E Time |
| MV DS MaxPG |
| MV DS P1/2t |
| MV DS Time |
| MV DS Vmax |
| MV DT MaxPG |
| MV DT P1/2t |
| MV DT Slope |
| MV DT Vmax |
| MV E-F Dist |
| MV E-F Time |
| MV P1/2t MaxPG |
| MV P1/2t Slope |
| MV P1/2t Time |
| MV Peak A PG |
| MV Peak E PG |

| ClearVue 350/550/580 2.0 and ClearVue 650 1.0 Label |
|---|
| Pulm A Revs Dur Max PG |
| Pulm A Revs Dur P1/2t |
| Pulm A Revs Dur Slope |
| Pulm A Revs Dur Vmax |
| Pulm A Revs PG |
| Pulm Dias PG |
| Pulm Sys PG |
| PV AT Max PG |
| PV AT Vmax |
| RPA Area |
| RV ET Dist |
| RV ET Slope |
| RV PEP Dist |
| RV PEP Slope |
| RVOT Area |
| TV A-C Int Dist |
| TV A-C Int Slope |
| TV Area |
| TV AT Max PG |
| TV AT Vmax |
| TV D-E Dist |
| TV D-E Exc Time |
| TV D-E Time |
| TV E-F Dist |
| TV E-F Time |
| TV Peak A PG |
| TV Peak E PG |

A.4.9 Units Codes

ClearVue 350/550/580 2.0 and ClearVue 650 1.0 makes use of the following codes for Units associated with the exported measurements.

| CSD | CV | CM |
|------------|----------------------|------------------------------|
| UCUM | % | Percent |
| UCUM | {H.B}/min | Beats Per Minute |
| UCUM[1.4] | cm | Centimeter |
| UCUM[1.4] | cm/s | Centimeter Per Second |
| UCUM[1.4] | cm/s ² | Centimeter Per Second Square |
| UCUM[1.4] | cm ² | Square Centimeter |
| UCUM | cm ³ | Cubic Centimeter |
| UCUM[1.4] | g | Gram |
| UCUM[1.4] | g/m ² | g/m ² |
| UCUM[1.4] | l/min | Litre Per Minute |
| UCUM | l/min/m ² | l/min/m ² |
| UCUM[1.4] | ml | Milliliter |
| UCUM | ml/m ² | ml/m ² |
| UCUM[1.4] | mm[Hg] | Millimeters Of Mercury |
| UCUM | mm[Hg]/s | mmHg/s |
| UCUM[1.4] | msec | Millisecond |
| UCUM | sec | Seconds |

A.5 PEDIATRIC ECHOCARDIOGRAPHY STRUCTURED REPORT TEMPLATE

ClearVue 650 1.0 implements the Pediatric Echocardiography Template (TID 5220) from the DICOM standard, part 16. This appendix describes the scope and manner that ClearVue 650 1.0 measurements appear in DICOM SR.

Measurements and calculations performed for Cardiac→Ped Echo studies will lead to creation of “Pediatric Cardiac Procedure Report” structured report documents. Measurements can be performed by pressing the ‘Calc’ key on ClearVue 650 1.0 control panel and selecting the Cardiac (Ped Echo) analysis package. Measurements and calculations available in the menu can be configured through the setup application. It is also possible to configure the measurement unit (Metric or U.S).

All concepts with value type (VT) NUM will always have a ‘MeasurementUnitCodeSequence’ that specifies the unit of the measurement. The CSD for all units will be UCUM (Unified Code for Units) and CV and CM will be based on application configuration and will confirm to UCUM standards.

A.5.1 Template specific conformance for TID 5220

This template forms the top of a content tree that allows an ultrasound application to describe the results of a Cardiac Ultrasound imaging procedure.

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|----------|
| 1 | | | CONTAINER | DCID (12245) Cardiac Ultrasound Report Titles | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (1001) Observation Context | |
| 4 | > | CONTAINS | CONTAINER | EV (121109, DCM, “Indications for Procedure”) | |
| 5 | >> | CONTAINS | CODE | EV (121071, DCM, “Finding”) | |
| 6 | >> | CONTAINS | TEXT | EV (121071, DCM, “Finding”) | |
| 7 | > | CONTAINS | INCLUDE | DTID (3802) Cardiovascular Patient History | |
| 8 | > | CONTAINS | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | |
| 9 | > | CONTAINS | INCLUDE | DTID (5225) Cardiac Ultrasound Fetal Characteristics | |
| 10 | > | CONTAINS | INCLUDE | DTID (5226) Cardiac Ultrasound Summary Section | |
| 11 | > | CONTAINS | INCLUDE | DTID (5227) Cardiac Ultrasound Fetal Summary Section | |
| 12 | > | CONTAINS | CONTAINER | (111028, DCM, “Image Library”) | |

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|---------|--|----------|
| 13 | >> | CONTAINS | IMAGE | No purpose of reference | |
| 14 | > | CONTAINS | INCLUDE | DTID (5221) Cardiac Ultrasound Pediatric Measurement Section | |
| 15 | > | CONTAINS | INCLUDE | TID (5228) Cardiac Ultrasound Fetal Measurement Section | |

A.5.1.1 Cardiovascular Patient Characteristics (TID 3606)

Contents of the following table may be present in the report if entered in Patient Data Entry

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|-------------------------|
| 1 | | | CONTAINER | EV (121118, DCM, "Patient Characteristics") | |
| 2 | > | CONTAINS | NUM | (121033, DCM, "Subject Age") | From Patient Data Entry |
| 3 | > | CONTAINS | CODE | (121032, DCM, "Subject Sex") | From Patient Data Entry |
| 4 | > | CONTAINS | NUM | (8302-2, LN, "Patient Height") | From Patient Data Entry |
| 5 | > | CONTAINS | NUM | (29463-7, LN, "Patient Weight") | From Patient Data Entry |
| 6 | > | CONTAINS | NUM | (8277-6, LN, "Body Surface Area") | From Patient Data Entry |
| 7 | >> | Inferred From | CODE | (8278-4, LN, "Body Surface Area Formula") | |
| 8 | > | CONTAINS | NUM | (F-008EC, SRT, "Systolic Blood Pressure") | From Patient Data Entry |
| 9 | > | CONTAINS | NUM | (F-008ED, SRT, "Diastolic Blood Pressure") | From Patient Data Entry |
| 10 | > | CONTAINS | TEXT | (121029, DCM, "Subject Name") | From Patient Data Entry |
| 11 | > | CONTAINS | TEXT | (121030, DCM, "Subject ID") | From Patient Data Entry |
| 12 | > | CONTAINS | TEXT | (121031, DCM, "Subject Birth Date") | From Patient Data Entry |
| 13 | > | CONTAINS | TEXT | (T9910-04, 99PMSBLUS, "Reason for Study") | From Patient Data Entry |
| 14 | > | CONTAINS | TEXT | (T9910-112, 99PMSBLUS, "Alternate ID Number") | From Patient Data Entry |
| 15 | > | CONTAINS | TEXT | (121022, DCM, "Accession Number") | From Patient Data Entry |
| 16 | > | CONTAINS | TEXT | (T9910-08, 99PMSBLUS, "Referring Physician") | From Patient Data Entry |

| | | | | | |
|----|---|----------|------|--|-------------------------|
| 17 | > | CONTAINS | TEXT | (121093, DCM, "Sonographer") | From Patient Data Entry |
| 18 | > | CONTAINS | TEXT | (T9910-07, 99PMSBLUS, "Study Description") | From Patient Data Entry |
| 19 | > | CONTAINS | TEXT | (T9910-10, 99PMSBLUS, "Patient History") | From Patient Data Entry |
| 20 | > | CONTAINS | TEXT | (T9910-09, 99PMSBLUS, "Exam date") | From Patient Data Entry |
| 21 | > | CONTAINS | TEXT | (T9910-182, 99PMSBLUS, "Surgeries Type") | From Patient Data Entry |
| 22 | > | CONTAINS | TEXT | (D3-30000, SRT, "Arrhythmia") | From Patient Data Entry |
| 23 | > | CONTAINS | TEXT | (T9910-176, 99PMSBLUS, "Arrhythmia Type") | From Patient Data Entry |
| 24 | > | CONTAINS | TEXT | (R-00302, SRT, "Murmur") | From Patient Data Entry |
| 25 | > | CONTAINS | TEXT | (T9910-178, 99PMSBLUS, "Murmur Type") | From Patient Data Entry |
| 26 | > | CONTAINS | TEXT | (F-37000, SRT, "Chest Pain") | From Patient Data Entry |
| 27 | > | CONTAINS | TEXT | (D3-10008, SRT, "Cardiomegaly") | From Patient Data Entry |
| 28 | > | CONTAINS | TEXT | (M-04100, SRT, "Cyanosis") | From Patient Data Entry |
| 29 | > | CONTAINS | TEXT | (D4-31B16, SRT, "Dextrocardia") | From Patient Data Entry |
| 30 | > | CONTAINS | TEXT | (F-201B3, SRT, "Dyspnea") | From Patient Data Entry |
| 31 | > | CONTAINS | TEXT | (F-0A44A, SRT, "Fever") | From Patient Data Entry |
| 32 | > | CONTAINS | TEXT | (F-24210, SRT, "Hemoptysis") | From Patient Data Entry |
| 33 | > | CONTAINS | TEXT | (D3-02000, SRT, "Hypertension") | From Patient Data Entry |
| 34 | > | CONTAINS | TEXT | (G-0586, SRT, "Insulin dependent mother (IDM)") | From Patient Data Entry |
| 35 | > | CONTAINS | TEXT | (D4-31B24, SRT, "Mesocardia") | From Patient Data Entry |
| 36 | > | CONTAINS | TEXT | (A-11100, SRT, "Cardiac Pacemaker") | From Patient Data Entry |
| 37 | > | CONTAINS | TEXT | (D3-00006, SRT, "Syncope") | From Patient Data Entry |
| 38 | > | CONTAINS | TEXT | (D4-31220, SRT, "Atrial Septal Defect") | From Patient Data Entry |
| 39 | > | CONTAINS | TEXT | (D4-31159, SRT, "Ventricular Septal Defect (VSD)") | From Patient Data Entry |
| 40 | > | CONTAINS | TEXT | (D4-32012, SRT, "Patent Ductus Arteriosus") | From Patient Data Entry |
| 41 | > | CONTAINS | TEXT | (D4-32014, SRT, "Coarctation of aorta") | From Patient Data Entry |

| | | | | | |
|----|---|----------|------|--|-------------------------|
| 42 | > | CONTAINS | TEXT | (D4-31110, SRT, "Tetralogy of Fallot") | From Patient Data Entry |
| 43 | > | CONTAINS | TEXT | (D3-29021, SRT, "Aortic Stenosis") | From Patient Data Entry |
| 44 | > | CONTAINS | TEXT | (D3-29051, SRT, "Pulmonic valve stenosis") | From Patient Data Entry |
| 45 | > | CONTAINS | TEXT | (D4-33622, SRT, "Partial anomalous pulmonary venous connection") | From Patient Data Entry |
| 46 | > | CONTAINS | TEXT | (D4-31303, SRT, "Common atrioventricular canal") | From Patient Data Entry |
| 47 | > | CONTAINS | TEXT | (D4-31310, SRT, "Atrial septal defect with endocardial cushion defect, partial") | From Patient Data Entry |
| 48 | > | CONTAINS | TEXT | (D4-31010, SRT, "Complete transposition of great vessels") | From Patient Data Entry |
| 49 | > | CONTAINS | TEXT | (D3-83001, SRT, "Interrupted Aortic Arch") | From Patient Data Entry |
| 50 | > | CONTAINS | TEXT | (T9910-180, 99PMSBLUS, "Cardiomyopathy Type") | From Patient Data Entry |
| 51 | > | CONTAINS | TEXT | (T9910-181, 99PMSBLUS, "Infections Type") | From Patient Data Entry |
| 52 | > | CONTAINS | TEXT | (D3-29011, SRT, "Mitral stenosis") | From Patient Data Entry |
| 53 | > | CONTAINS | TEXT | (D3-29012, SRT, "Mitral regurgitation") | From Patient Data Entry |
| 54 | > | CONTAINS | TEXT | (D3-29022, SRT, "Aortic regurgitation") | From Patient Data Entry |
| 55 | > | CONTAINS | TEXT | (T9910-187, 99PMSBLUS, "AV Stenosis (acquired) (AS)") | From Patient Data Entry |
| 56 | > | CONTAINS | TEXT | (D3-29013, SRT, "Mitral valve prolapse") | From Patient Data Entry |
| 57 | > | CONTAINS | TEXT | (F-0331B, SRT, "HIV Positive") | From Patient Data Entry |
| 58 | > | CONTAINS | TEXT | (D3-81660, SRT, "Acute febrile mucocutaneous lymph node syndrome") | From Patient Data Entry |
| 59 | > | CONTAINS | TEXT | (D3-17100, SRT, "Rheumatic Fever") | From Patient Data Entry |

A.5.1.2 Cardiac Ultrasound Pediatric Echo Measurement Section (TID 5221)

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|---------|--|---|
| 1 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12282) Cardiac Ultrasound Venous Return Systemic Finding Sites \$MeasType = DCID (12264) Cardiac Ultrasound Venous Return Systemic Measurements |

| | | | | | |
|----|--|--|---------|--|---|
| 2 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12283) Cardiac Ultrasound Venous Return Pulmonary Finding Sites \$MeasType = DCID (12263) Cardiac Ultrasound Venous Return Pulmonary Measurements |
| 3 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12284) Cardiac Ultrasound Atria and Atrial Septum Finding Sites \$MeasType = DCID (12265) Cardiac Ultrasound Atria and Atrial Septum Measurements |
| 4 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12285) Cardiac Ultrasound Atrioventricular Valves Finding Sites \$MeasType = DCID (12268) Cardiac Ultrasound Atrioventricular Valves Measurements |
| 5 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12286) Cardiac Ultrasound Interventricular Septum Finding Sites \$MeasType = DCID (12269) Cardiac Ultrasound Interventricular Septum Measurements |
| 6 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12287) Cardiac Ultrasound Ventricles Finding Sites \$MeasType = DCID (12259) Cardiac Ultrasound Ventricles Measurements |
| 7 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12288) Cardiac Ultrasound Outflow Tracts Finding Sites \$MeasType = DCID (12271) Cardiac Ultrasound Outflow Tracts Measurements |
| 8 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12289) Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Finding Sites \$MeasType = DCID (12272) Cardiac Ultrasound Semilunar Valves, Annulus and Sinuses Measurements |
| 9 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12290) Cardiac Ultrasound Pulmonary Arteries Finding Sites \$MeasType = DCID (12260) Cardiac Ultrasound Pulmonary Artery |
| 10 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12291) Cardiac Ultrasound Aorta Finding Sites \$MeasType = DCID (12274) Cardiac Ultrasound Aorta Measurements |
| 11 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12292) Cardiac Ultrasound Coronary Arteries Finding Sites \$MeasType = DCID (12275) Cardiac Ultrasound Coronary Arteries Measurements |
| 12 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12293) Cardiac Ultrasound Aorto Pulmonary Connections Finding Sites \$MeasType = DCID (12276) Cardiac Ultrasound Aorto Pulmonary Connections Measurements |

| | | | | | |
|----|--|--|---------|--|---|
| 13 | | | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | \$SectionSubject=DCID (12294) Cardiac Ultrasound Pericardium and Pleura Finding Sites \$MeasType = DCID (12277) Cardiac Ultrasound Pericardium and Pleura Measurements |
|----|--|--|---------|--|---|

A.5.1.3 Pediatric, Fetal and Congenital Cardiac Ultrasound Section (TID 5222)

This is a generic section heading Template for any of the anatomical headings. Measurements within a section heading appear as groups (by image mode or acquisition protocol).

| No | NL | REL WITH PARENT | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|--|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | \$SectionSubject |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (P1-32006, SRT, "Heart valve replacement - prosthesis") | |
| 4 | > | CONTAINS | CONTAINER | DT (125007, DCM, "Measurement Group") | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-0373, SRT, "Image Mode") | BCID (12224) Ultrasound Image Modes |
| 6 | >> | HAS CONCEPT MOD | TEXT | DT (125203, DCM, "Acquisition Protocol") | |
| 7 | >> | CONTAINS | INCLUDE | DTID (5223) Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement | \$Measurement = \$MeasType \$Method=CID (12227) Echocardiography Measurement Method |

A 5.1.4 Pediatric, Fetal and Congenital Cardiac Ultrasound Measurement (TID 5223)

This Template provides for the post-coordination of a measurement with a variety of concept modifiers and acquisition context observations. When invoked from TID 5222, the measurement concept is implicitly post-coordinated with the concept modifiers of the Measurement Group (TID 5222 Rows 5 and 6), and with the Finding Site of the report section (TID 5222 Row 2). The finding site may be further specified within this Template by the Target Site and Target Site Modifiers (CID 12280 and CID 12281).

The implicit finding site inherited from TID 5222 can be made explicit by using the same finding site concept in the Target Site (the measurement concept modifier), rather than a term from CID 12280. This explicit post-coordination allows the use of one of the modifiers of CID 12281 to that finding site, as the Target Site Modifier requires an explicit Target Site in the measurement structure (TID 300 Rows 5 and 7). In fact, any child concept of the finding site in the SNOMED hierarchy may be used as the measurement Target Site.

The finding or target site may be identified by a concept from the SNOMED "clinical finding" or "morphological anomaly" hierarchies (e.g., D4-31220 "Atrial Septal Defect", or M-36700 "Effusion"), rather than the "anatomical structure" hierarchy. In this case, the meaning is inferred as "the anatomic location of the clinical finding or morphological anomaly, within the constraints of other implicit or explicit post-coordinated finding site concepts."

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|----|--------------|----------|
|----|----|-----------------|----|--------------|----------|

| | | | | | |
|---|---|-----------------|---------|--|--|
| 1 | | | INCLUDE | DTID (300) Measurement | \$Measurement = \$Measurement \$Method = \$Method \$TargetSite = BCID (12280) Cardiac Ultrasound Target Sites \$TargetSiteMod = BCID (12281) Cardiac Ultrasound Target Site Modifiers \$Derivation=DCID (3838) Diameter Derivation |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121425, DCM, "Index") | DCID (3455) Index Methods |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C048, SRT, "Flow Direction") | BCID (12221) Flow Direction |
| 4 | > | HAS CONCEPT MOD | CODE | EV (R-40899, SRT, "Respiratory Cycle Point") | DCID (12234) Respiration State |
| 5 | > | HAS CONCEPT MOD | CODE | EV (R-4089A, SRT, "Cardiac Cycle Point") | DCID (12233) Cardiac Phase |
| 6 | > | HAS ACQ CONTEXT | CODE | EV (G-0373, SRT, "Image Mode") | DCID (12224) Ultrasound Image Modes |
| 7 | > | HAS ACQ CONTEXT | CODE | EV (111031, DCM, "Image View") | BCID (12226) Echocardiography Image View |

A 5.1.5 Cardiac Ultrasound Fetal Characteristics (TID 5225)

Contains a list of Fetus Specific characteristics

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|----------|
| 1 | | | CONTAINER | EV (125015, DCM, "Fetus Characteristics") | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | |
| 3 | > | CONTAINS | NUM | EV (18185-9, LN, "Gestational Age") | |
| 4 | > | CONTAINS | DATE | EV (11778-8, LN, "EDD") | |
| 5 | > | CONTAINS | NUM | EV (8867-4, LN, "Heart Rate") | |

A5.1.6 Cardiac Ultrasound Summary Section (TID 5226)

Comments and observations of the procedure of immediate clinical interest

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|----------|
| 1 | | | CONTAINER | EV (121111, DCM, "Summary") | |
| 2 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | |
| 3 | > | CONTAINS | TEXT | EV (121071, DCM, "Finding") | |
| 4 | > | CONTAINS | CODE | EV (P0-009C3, SRT "Surgical Procedure") | |

A5.1.7 Cardiac Ultrasound FetalSummary Section (TID 5227)

Comments and observations of the procedure of immediate clinical interest

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|---|----------|
| 1 | | | CONTAINER | DT (125008, DCM, "Fetus Summary") | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | |
| 3 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | |
| 4 | > | CONTAINS | TEXT | EV (121071, DCM, "Finding") | |
| 5 | > | CONTAINS | CODE | EV (P0-009C3, SRT "Surgical Procedure") | |

A 5.1.8 Cardiac Ultrasound Fetal Measurement Section (TID 5228)

| No | NL | Rel with Parent | VT | Concept Name | Comments |
|----|----|-----------------|-----------|--|----------|
| 1 | | | CONTAINER | EV (125016, DCM, "Fetal Measurements") | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | |
| 4 | > | CONTAINS | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | |
| 5 | > | CONTAINS | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | |
| 6 | > | CONTAINS | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | |
| 7 | > | CONTAINS | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | |
| 8 | > | CONTAINS | INCLUDE | DTID (5222) Pediatric, Fetal and Congenital Cardiac Ultrasound Section | |

A 5.2 eDCS – Pediatric Echocardiography Template Support

The following list represents the Electronic DICOM Conformance Statement (eDCS) format for the Structured Report output for the Pediatric Echocardiography Procedure Report as supported on CX50 3.0.x.

This list is made up of 'signatures' that describe the group of codes used for each exported measurement and calculation result.

A 'signature' will contain the Label as displayed on the system user interface in the Calcs application and report pages, followed by the modifiers required by the DICOM SR Template and Structured Reporting SOP Class in order to include a given measurement or calculation value.

Some signatures will contain as few as two or as many as six modifiers.

In the table below, the following terms are used:

| | |
|-----|--------------------------|
| CSD | Coding Scheme Designator |
| CV | Code Value |
| CM | Code Meaning |

A 5.2.1 eDCS Table

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-------------------|-----------------------------------|
| A Wave Amp | LN | 59100-8 | A-Wave Amplitude |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| AI Accel Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| AI Accel Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | sec | Seconds |
| AI Alias Vel | LN | 59130-5 | Alias velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| AI Decel Slope | LN | 20216-8 | Deceleration Slope |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| AI Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | sec | Seconds |
| AI End Dias Vel | LN | 11653-3 | End Diastolic Velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| AI ERO | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm ² | Square Centimeter |
| AI Flow Rate | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml/sec | ml/sec |
| AI Fraction | SRT | G-0390 | Regurgitant Fraction |
| | SRT | T-35400 | Aortic Valve |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-----------------------------------|
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | % | Percent |
| AI Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AI Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AI P1/2t | LN | 20280-4 | Pressure Half-Time |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | msec | Millisecond |
| AI Radius | LN | 59102-4 | Flow Radius |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| AI Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| AI Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| AI Volume | LN | 33878-0 | Volume Flow |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml | Milliliter |
| AI VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| Ao Arch Diam | SRT | M-02550 | Diameter |
| | SRT | T-42300 | Aortic arch |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Ao Arch Dist Diam | SRT | M-02550 | Diameter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-----------------|-----------------------------|
| | SRT | T-42300 | Aortic arch |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A119 | Distal |
| | UCUM | cm | Centimeter |
| Ao Isthmus Diam | SRT | M-02550 | Diameter |
| | SRT | T-42310 | Aortic isthmus |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Ao Sinus Diam | SRT | M-02550 | Diameter |
| | SRT | T-42200 | Structure Sinus of Valsalva |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Ao ST Jx Diam | SRT | M-02550 | Diameter |
| | SRT | T-42102 | Aortic sinotubular junction |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| AoR Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-42110 | Root of Aorta |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm ² | Square Centimeter |
| AoR Diam (2D) | SRT | M-02550 | Diameter |
| | SRT | T-42110 | Root of Aorta |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| AoR Diam (MM) | SRT | M-02550 | Diameter |
| | SRT | T-42110 | Root of Aorta |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| AS Max PG | LN | 59106-5 | Stenosis Peak Gradient |
| | SRT | T-35400 | Aortic Valve |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AS Vmax | LN | 59107-3 | Stenosis Peak Velocity |
| | SRT | T-35400 | Aortic Valve |
| | UCUM | cm/s | Centimeter Per Second |
| Asc Ao Diam | SRT | M-02550 | Diameter |
| | SRT | T-42100 | Ascending aorta |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Asc Ao Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-42100 | Ascending aorta |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|-----------------------------|
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Asc Ao Max PG (full) | LN | 20247-3 | Peak Gradient |
| | SRT | T-42100 | Ascending aorta |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Asc Ao Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-42100 | Ascending aorta |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Asc Ao Mean PG (full) | LN | 20256-4 | Mean Gradient |
| | SRT | T-42100 | Ascending aorta |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Asc Ao Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-42100 | Ascending aorta |
| | UCUM | cm/s | Centimeter Per Second |
| ASD Diam | SRT | M-02550 | Diameter |
| | SRT | D4-31220 | Atrial Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| ASD Major | SRT | G-A193 | Major Axis |
| | SRT | D4-31220 | Atrial Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| ASD Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | D4-31220 | Atrial Septal Defect |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| ASD Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | D4-31220 | Atrial Septal Defect |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| ASD Minor | SRT | G-A194 | Minor Axis |
| | SRT | D4-31220 | Atrial Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| ASD Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | D4-31220 | Atrial Septal Defect |
| | UCUM | cm/s | Centimeter Per Second |
| ASD Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | D4-31220 | Atrial Septal Defect |
| | UCUM | cm/s | Centimeter Per Second |
| ASD VTI | LN | 20354-7 | Velocity Time Integral |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|------------------------------|
| | SRT | D4-31220 | Atrial Septal Defect |
| | UCUM | cm | Centimeter |
| AV Accel Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s2 | Centimeter Per Second Square |
| AV Accel Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| AV Annul Diam | SRT | M-02550 | Diameter |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm | Centimeter |
| AV Area | SRT | G-A166 | Area |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm2 | Square Centimeter |
| AV Cusp Sep | LN | 17996-0 | Aortic Valve Cusp Separation |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| AV Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV Max PG (full) | LN | 20247-3 | Peak Gradient |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV Mean PG (full) | LN | 20256-4 | Mean Gradient |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| AV R-R (DOP) | LN | 8867-4 | Heart Rate |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-----------------|---|
| | SRT | T-35400 | Aortic Valve |
| | UCUM | sec | Seconds |
| AV R-R (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| AV Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| AV Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| AV VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |
| AVA (Vmax) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125214 | Continuity Equation by Peak Velocity |
| | UCUM | cm ² | Square Centimeter |
| AVA (VTI) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | UCUM | cm ² | Square Centimeter |
| AV-HR (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35400 | Aortic Valve |
| | UCUM | {H.B.}/min | Beats Per Minute |
| AV-HR (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-35400 | Aortic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | {H.B.}/min | Beats Per Minute |
| B-C Slope | LN | 59126-3 | B-C Slope |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm/s | Centimeter Per Second |
| CI (2D-Cubed) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|-------------------------------|
| | DCM | 125206 | Cube Method |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (2D-Teich) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (A/L) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (A2C) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (A2C-A/L) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (A4C) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (A4C-A/L) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (BP) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|-------------------------------|
| | UCUM | l/min/m2 | l/min/m2 |
| CI (MM-Cubed) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | l/min/m2 | l/min/m2 |
| CI (MM-Teich) | SRT | F-32110 | Cardiac Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | UCUM | l/min/m2 | l/min/m2 |
| CO (2D-Cubed) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | UCUM | l/min | Litre Per Minute |
| CO (2D-Teich) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | UCUM | l/min | Litre Per Minute |
| CO (A/L) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min | Litre Per Minute |
| CO (A2C) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | l/min | Litre Per Minute |
| CO (A2C-A/L) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min | Litre Per Minute |
| CO (A4C) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-------------------------------|
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | l/min | Litre Per Minute |
| CO (A4C-A/L) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | l/min | Litre Per Minute |
| CO (BP) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | UCUM | l/min | Litre Per Minute |
| CO (LVOT) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | l/min | Litre Per Minute |
| CO (MM-Cubed) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | l/min | Litre Per Minute |
| CO (MM-Teich) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | UCUM | l/min | Litre Per Minute |
| CO (MV) | SRT | F-32100 | Cardiac Output |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | l/min | Litre Per Minute |
| CO (PV) | SRT | F-32100 | Cardiac Output |
| | SRT | T-35200 | Pulmonic Valve |
| | UCUM | l/min | Litre Per Minute |
| CO (RVOT) | SRT | F-32100 | Cardiac Output |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | l/min | Litre Per Minute |
| CO (TV) | SRT | F-32100 | Cardiac Output |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|---|
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | l/min | Litre Per Minute |
| Coarctation Diam | SRT | M-02550 | Diameter |
| | SRT | D4-32014 | Coarctation of aorta |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Cx Diam | SRT | M-02550 | Diameter |
| | SRT | T-43120 | Circumflex Coronary Artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Desc Ao Diam | SRT | M-02550 | Diameter |
| | SRT | T-42070 | Thoracic aorta |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| Desc Ao Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-42070 | Thoracic aorta |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Desc Ao Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-42070 | Thoracic aorta |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Desc Ao Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-42070 | Thoracic aorta |
| | UCUM | cm/s | Centimeter Per Second |
| Dsc Ao Max PG (full) | LN | 20247-3 | Peak Gradient |
| | SRT | T-42070 | Thoracic aorta |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Dsc Ao Mean PG (full) | LN | 20256-4 | Mean Gradient |
| | SRT | T-42070 | Thoracic aorta |
| | DCM | 125217 | Full Bernoulli |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| E/E` Lateral | SRT | G-037B | Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | 1 | no units |
| E/E` Medial | SRT | G-037B | Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|---|
| | UCUM | 1 | no units |
| E/A` Lateral | LN | 59129-7 | Left Ventricle E to A Tissue Velocity Ratio |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | 1 | no units |
| E/A` Medial | LN | 59129-7 | Left Ventricle E to A Tissue Velocity Ratio |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | 1 | no units |
| EDV (2D-Cubed) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (2D-Teich) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (A/L) | LN | 18026-5 | Left Ventricular End Diastolic Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml | Milliliter |
| EDV (A2C) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (A2C-A/L) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-------------------------------|
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (A4C) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (A4C-A/L) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (BP) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (MM-Cubed) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EDV (MM-Teich) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | SRT | F-32011 | End Diastole |
| | UCUM | ml | Milliliter |
| EF (2D-Cubed) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | UCUM | % | Percent |
| EF (2D-Teich) | SRT | F-32070 | Cardiac ejection fraction |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-------------------------------|
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | UCUM | % | Percent |
| EF (A/L) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | % | Percent |
| EF (A2C) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | % | Percent |
| EF (A2C-A/L) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | % | Percent |
| EF (A4C) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | % | Percent |
| EF (A4C-A/L) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | % | Percent |
| EF (BP) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | UCUM | % | Percent |
| EF (MM-Cubed) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--------------------------------------|
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | % | Percent |
| EF (MM-Teich) | SRT | F-32070 | Cardiac ejection fraction |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | UCUM | % | Percent |
| ESV (2D-Cubed) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (2D-Teich) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (A/L) | LN | 18148-7 | Left Ventricular End Systolic Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml | Milliliter |
| ESV (A2C) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | ml | Milliliter |
| ESV (A2C-A/L) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (A4C) | SRT | G-D705 | Volume |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|--|
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | ml | Milliliter |
| ESV (A4C-A/L) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (BP) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (MM-Cubed) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| ESV (MM-Teich) | SRT | G-D705 | Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | SRT | R-FAB5B | End Systole |
| | UCUM | ml | Milliliter |
| Hepatic A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48720 | Hepatic Vein |
| | UCUM | sec | Seconds |
| Hepatic A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48720 | Hepatic Vein |
| | UCUM | cm/s | Centimeter Per Second |
| Hepatic Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48720 | Hepatic Vein |
| | SRT | F-32011 | End Diastole |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|------------|--|
| | UCUM | cm/s | Centimeter Per Second |
| Hepatic S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48720 | Hepatic Vein |
| | UCUM | 1 | no units |
| Hepatic Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48720 | Hepatic Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| HR LV (2D) | LN | 8867-4 | Heart Rate |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | UCUM | {H.B.}/min | Beats Per Minute |
| HR LV (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | {H.B.}/min | Beats Per Minute |
| IVC A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48710 | Inferior vena cava |
| | UCUM | sec | Seconds |
| IVC A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48710 | Inferior vena cava |
| | UCUM | cm/s | Centimeter Per Second |
| IVC Diam | SRT | M-02550 | Diameter |
| | SRT | T-48710 | Inferior vena cava |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| IVC Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48710 | Inferior vena cava |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| IVC S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48710 | Inferior vena cava |
| | UCUM | 1 | no units |
| IVC Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48710 | Inferior vena cava |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| IVCT | LN | 59084-4 | Isovolumic Contraction Time |
| | SRT | T-32600 | Left Ventricle |
| | UCUM | sec | Seconds |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|---|
| IVRT | LN | 59083-6 | Isovolumic Relaxation Time |
| | SRT | T-32600 | Left Ventricle |
| | UCUM | sec | Seconds |
| IVS % (2D) | LN | 59092-7 | % Thickening |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-03A2 | 2D mode |
| | UCUM | % | Percent |
| IVS % (MM) | LN | 59092-7 | % Thickening |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-0394 | M mode |
| | UCUM | % | Percent |
| IVS/LVPW (2D) | LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | UCUM | 1 | no units |
| IVS/LVPW (MM) | LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | 1 | no units |
| IVSd (2D) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-03A2 | 2D mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| IVSd (MM) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-0394 | M mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| IVSs (2D) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| IVSs (MM) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32410 | Interventricular septum |
| | SRT | G-0394 | M mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LA Dimen (2D) | LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|---|
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LA Dimen (MM) | LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-0394 | M mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LA ESV (BP) | SRT | G-0383 | Left Atrium Systolic Volume |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | UCUM | ml | Milliliter |
| LA ESV/BSA (A2C) | 99PMSBLUS | C12205-03 | Left Atrium Systolic Volume Index |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | LN | 8277-6 | Body Surface Area |
| | UCUM | ml/m2 | ml/m2 |
| LA ESV/BSA (A4C) | 99PMSBLUS | C12205-03 | Left Atrium Systolic Volume Index |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | LN | 8277-6 | Body Surface Area |
| | UCUM | ml/m2 | ml/m2 |
| LA ESV/BSA (BP) | 99PMSBLUS | C12205-03 | Left Atrium Systolic Volume Index |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | LN | 8277-6 | Body Surface Area |
| | UCUM | ml/m2 | ml/m2 |
| LA/Ao (2D) | LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | UCUM | 1 | no units |
| LA/Ao (MM) | LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| | SRT | T-32300 | Left Atrium |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|--|
| | SRT | G-0394 | M mode |
| | UCUM | 1 | no units |
| LAD Diam | SRT | M-02550 | Diameter |
| | SRT | T-43110 | Anterior Descending Branch of Left Coronary Artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| LAED Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LAED Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LAES Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LAES Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32300 | Left Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| Lat A` Area | LN | 59125-5 | LV VTI A wave US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | cm | Centimeter |
| Lat A` Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | SRT | F-32030 | Atrial Systole |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|-----------------------------|
| | UCUM | cm/s | Centimeter Per Second |
| Lat Accel Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Lat Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Lat E' Area | LN | 59124-8 | LV VTI E wave US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | cm | Centimeter |
| Lat E' Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | SRT | R-40B1B | Early Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| Lat IVCT | LN | 59084-4 | Isovolumic Contraction Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Lat IVRT | LN | 59083-6 | Isovolumic Relaxation Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Lat S Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| Late Dias Slope | LN | 20216-8 | Deceleration Slope |
| | SRT | T-35200 | Pulmonic Valve |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | G-0394 | M mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| Left Main | SRT | M-02550 | Diameter |
| | SRT | T-43107 | Left Main Coronary Artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| LL PulmV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | UCUM | sec | Seconds |
| LL PulmV A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | UCUM | cm/s | Centimeter Per Second |
| LL PulmV Diam | SRT | M-02550 | Diameter |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | UCUM | cm | Centimeter |
| LL PulmV Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| LL PulmV S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | UCUM | 1 | no units |
| LL PulmV Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48540 | Left Inferior Pulmonary Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| LPA Diam | SRT | M-02550 | Diameter |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-44400 | Left pulmonary artery |
| | UCUM | cm | Centimeter |
| LPA Max PG | LN | 20247-3 | Peak Gradient |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|---|
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44400 | Left pulmonary artery |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| LPA Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44400 | Left pulmonary artery |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| LPA Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44400 | Left pulmonary artery |
| | UCUM | cm/s | Centimeter Per Second |
| LU PulmV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | UCUM | sec | Seconds |
| LU PulmV A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | UCUM | cm/s | Centimeter Per Second |
| LU PulmV Diam | SRT | M-02550 | Diameter |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | UCUM | cm | Centimeter |
| LU PulmV Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| LU PulmV S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | UCUM | 1 | no units |
| LU PulmV Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48530 | Left Superior Pulmonary Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| LV Dp/dt | LN | 18035-6 | Mitral Regurgitation dP/dt derived from Mitral Reg velocity |
| | SNM3 | T-35300 | Mitral Valve |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|------------------------------------|
| | UCUM | mm[Hg]/s | mmHg/s |
| LV ET (DOP) | LN | 20222-6 | Ejection Time |
| | SRT | T-32600 | Left Ventricle |
| | UCUM | sec | Seconds |
| LV ET (MM) | LN | 20222-6 | Ejection Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| LV FS (2D) | LN | 59132-1 | Fractional Shortening |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | UCUM | % | Percent |
| LV FS (MM) | LN | 59132-1 | Fractional Shortening |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | % | Percent |
| LV Mass (A/L) | DCM | 125270 | Left Ventricle Mass by Area Length |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | UCUM | g | Gram |
| LV Mass (Cubed) | LN | 18087-7 | Left Ventricle Mass |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | g | Gram |
| LV Mass Index (A/L) | 99PMSBLUS | C12203-01 | Left Ventricle Mass Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | LN | 8277-6 | Body Surface Area |
| | UCUM | g/m2 | g/m2 |
| LV Mass Index(Cubed) | 99PMSBLUS | C12203-01 | Left Ventricle Mass Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | LN | 8277-6 | Body Surface Area |
| | UCUM | g/m2 | g/m2 |
| LV MPI | LN | 59099-2 | Myocardial Performance Index (Tei) |
| | SRT | T-32600 | Left Ventricle |
| | UCUM | 1 | no units |
| LV PEP | LN | 59085-1 | Pre-Ejection Period |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| LV PEP/ET | LN | 59088-5 | Pre-Ejection Period/Ejection Time Ratio |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | 1 | no units |
| LV PEPc | LN | 59087-7 | Heart Rate-Corrected Pre-Ejection Period |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | msec | Millisecond |
| LV R-R (2D) | LN | 8867-4 | Heart Rate |
| | SRT | T-32600 | Left Ventricle |
| | UCUM | sec | Seconds |
| LV R-R (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| LVAd (A/L) | SRT | G-A166 | Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm2 | Square Centimeter |
| LVAd (A2C-A/L) | SRT | G-0375 | Left Ventricular Diastolic Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm2 | Square Centimeter |
| LVAd (A4C-A/L) | SRT | G-0375 | Left Ventricular Diastolic Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm2 | Square Centimeter |
| LVAd Sax Endo Area | LN | 59094-3 | Endocardial Area |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|--|
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm2 | Square Centimeter |
| LVAd Sax Endo Circ | 99PMSBLUS | 59094-3-1 | Endocardial Circumference |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVAd Sax Epi Area | LN | 59093-5 | Epicardial Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm2 | Square Centimeter |
| LVAd Sax Epi Circ | 99PMSBLUS | 59093-5-1 | Epicardial Circumference |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVAs (A/L) | SRT | G-A166 | Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm2 | Square Centimeter |
| LVAs (A2C-A/L) | SRT | G-0374 | Left Ventricular Systolic Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | cm2 | Square Centimeter |
| LVAs (A4C-A/L) | SRT | G-0374 | Left Ventricular Systolic Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|---|
| | SRT | R-FAB5B | End systole |
| | UCUM | cm2 | Square Centimeter |
| LVDP (AI) | 99PMSBLUS | C12212-02 | Left Ventricle Diastolic Pressure with Aortic Insufficiency |
| | SRT | T-35400 | Aortic Valve |
| | SRT | F-32011 | End Diastole |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| LVED Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVED Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVED SAX CH | DCM | 121206 | Distance |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-0399 | Parasternal short axis at the level of the mitral chords |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVED SAX PM | DCM | 121206 | Distance |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVES Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVES Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVES SAX CH | DCM | 121206 | Distance |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-0399 | Parasternal short axis at the level of the mitral chords |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVES SAX PM | DCM | 121206 | Distance |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVETc | LN | 59086-9 | Heart Rate-Corrected Ejection Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| LVIDd (2D) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVIDd (MM) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVIDs (2D) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVIDs (MM) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVLd (A/L) | SRT | G-A193 | Major Axis |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-------------------------------------|
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVLd (A2C-A/L) | LN | 18077-8 | Left Ventricle diastolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVLd (A2C-A/L) | LN | 18077-8 | Left Ventricle diastolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVLd (A4C-A/L) | LN | 18077-8 | Left Ventricle diastolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVLd Apical | SRT | G-A193 | Major Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVLs (A/L) | SRT | G-A193 | Major Axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVLs (A2C-A/L) | LN | 18076-0 | Left Ventricle systolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|------------------------------------|
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | cm | Centimeter |
| LVLs (A2C-A/L) | LN | 18076-0 | Left Ventricle systolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | cm | Centimeter |
| LVLs (A4C-A/L) | LN | 18076-0 | Left Ventricle systolic major axis |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | SRT | R-FAB5B | End systole |
| | UCUM | cm | Centimeter |
| LVOT Accel Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm/s2 | Centimeter Per Second Square |
| LVOT Accel Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | sec | Seconds |
| LVOT Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm2 | Square Centimeter |
| | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm2 | Square Centimeter |
| LVOT Diam | SRT | G-038F | Cardiovascular Orifice Diameter |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm | Centimeter |
| LVOT Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|-------------------------------|
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| LVOT Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| LVOT Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm/s | Centimeter Per Second |
| LVOT Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm/s | Centimeter Per Second |
| LVOT VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | cm | Centimeter |
| LVPW % (2D) | LN | 59092-7 | % Thickening |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | 99PMSBLUS | C12243-01 | Left Ventricle Posterior Wall |
| | UCUM | % | Percent |
| LVPW % (MM) | LN | 59092-7 | % Thickening |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | 99PMSBLUS | C12243-01 | Left Ventricle Posterior Wall |
| | UCUM | % | Percent |
| LVPWd (2D) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-42175 | Posterior Wall |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| LVPWd (MM) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | R-42175 | Posterior Wall |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|--|
| LVPWs (2D) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-42175 | Posterior Wall |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVPWs (MM) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | R-42175 | Posterior Wall |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| LVSP (AS) | 99PMSBLUS | C12212-01 | Left Ventricle Systolic Pressure with Aortic Stenosis |
| | SRT | T-35400 | Aortic Valve |
| | SRT | R-FAB5B | End Systole |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| Mean VCF | LN | 59117-2 | Mean Velocity of Circumferential Fiber Shortening (Mean VcFv) |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | 99PMSBLUS | circ/s | circ/s |
| Mean VCFc | LN | 59118-0 | HR-Corrected Mean Velocity of Circumferential Fiber Shortening |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | 99PMSBLUS | circ/s | circ/s |
| Med A` Area | LN | 59125-5 | LV VTI A wave US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | cm | Centimeter |
| Med A` Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | SRT | F-32030 | Atrial Systole |
| | UCUM | cm/s | Centimeter Per Second |
| Med Accel Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-----------------|-----------------------------|
| Med Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |
| Med E` Area | LN | 59124-8 | LV VTI E wave US |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | cm | Centimeter |
| Med E` Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | SRT | R-40B1B | Early Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| Med IVCT | LN | 59084-4 | Isovolumic Contraction Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |
| Med IVRT | LN | 59083-6 | Isovolumic Relaxation Time |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |
| Med S Vel | LN | 59133-9 | Peak Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| MPA Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-44100 | Pulmonary Trunk |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm ² | Square Centimeter |
| MPA Diam | SRT | M-02550 | Diameter |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-----------------------------------|
| MPA Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-44100 | Pulmonary Trunk |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MPA Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-44100 | Pulmonary Trunk |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MPA Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-44100 | Pulmonary Trunk |
| | UCUM | cm/s | Centimeter Per Second |
| MR Alias Vel | LN | 59130-5 | Alias velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MR ERO | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm2 | Square Centimeter |
| MR Flow Rate | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml/sec | ml/sec |
| MR Fraction | SRT | G-0390 | Regurgitant Fraction |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | % | Percent |
| MR Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MR Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MR Radius | LN | 59102-4 | Flow Radius |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| MR Vmax | LN | 20351-3 | Peak Velocity |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-------------------|-----------------------------------|
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MR Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MR Volume | LN | 33878-0 | Volume Flow |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml | Milliliter |
| MR VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| MV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | sec | Seconds |
| MV A-C Interval | LN | 59103-2 | A-C Interval |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| MV Acc Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| MV Acc Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| MV Alias Vel | LN | 59130-5 | Alias velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MV Annul Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm ² | Square Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-------------------|--|
| MV Annul Diam | SRT | M-02550 | Diameter |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm | Centimeter |
| MV Area | SRT | G-A166 | Area |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm ² | Square Centimeter |
| MV Area (Ellipse) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125211 | Biplane Ellipse |
| | UCUM | cm ² | Square Centimeter |
| MV Area (Planim) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125220 | Planimetry |
| | UCUM | cm ² | Square Centimeter |
| MV Closure to Opening | LN | 59082-8 | Closure to Opening Time |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | sec | Seconds |
| MV D-E Exc Dist | LN | 59091-9 | D-E Excursion |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| MV D-E Slope | LN | 59127-1 | D-E Slope |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm/s | Centimeter Per Second |
| MV Decel Slope | LN | 20216-8 | Deceleration Slope |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| MV Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| MV DFP | SRT | R-0032C | Mitral Diastolic Filling Period (DFPm) |
| | SRT | T-35300 | Mitral Valve |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|----------------------------------|
| | UCUM | sec | Seconds |
| MV Diam | SRT | G-038F | Cardiovascular Orifice Diameter |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| MV E/A | LN | 59104-0 | Peak E wave/Peak A wave by US |
| | SRT | T-35300 | Mitral Valve |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | UCUM | 1 | no units |
| MV E-E Sep | LN | 59098-4 | Mitral Valve E-septal Separation |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| MV E-F Slope | LN | 59128-9 | E-F Slope |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm/s | Centimeter Per Second |
| MV EPSS | LN | 18036-4 | Mitral Valve EPSS, E wave |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| MV Major | SRT | G-A193 | Major Axis |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| MV Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MV Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| MV Minor | SRT | G-A194 | Minor Axis |
| | SRT | T-35300 | Mitral Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| MV P1/2t | LN | 20280-4 | Pressure Half-Time |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | msec | Millisecond |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|---|
| MV Peak A Vel | LN | 59081-0 | A-Wave Peak Velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MV Peak E Vel | LN | 59080-2 | E-Wave Peak Velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MV Radius | LN | 59102-4 | Flow Radius |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |
| MV R-R (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | sec | Seconds |
| MV Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MV Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| MV VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35300 | Mitral Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |
| MVA (P½t) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125210 | Area by Pressure Half-Time |
| | UCUM | cm2 | Square Centimeter |
| MVA (PISA) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | UCUM | cm2 | Square Centimeter |
| MVA (VTI) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | UCUM | cm2 | Square Centimeter |
| MV-HR (DOP) | LN | 8867-4 | Heart Rate |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-------------------|--|
| | SRT | T-35300 | Mitral Valve |
| | UCUM | {H.B.}/min | Beats Per Minute |
| PA Acc Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-44100 | Pulmonary Trunk |
| | UCUM | sec | Seconds |
| PAP (AT) | LN | 59101-6 | Pulmonary Artery Pressure using Accel Time |
| | SRT | T-35200 | Pulmonic Valve |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| PDA Diam | SRT | M-02550 | Diameter |
| | SRT | D4-32012 | Patent Ductus Arteriosus |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| PDA Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | D4-32012 | Patent Ductus Arteriosus |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| PDA Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | D4-32012 | Patent Ductus Arteriosus |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| PDC Diam | SRT | M-02550 | Diameter |
| | SRT | T-D0878 | Posterior Descending Coronary Artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| PI Decel Slope | LN | 20216-8 | Deceleration Slope |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| PI Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | sec | Seconds |
| PI End Dias Vel | LN | 11653-3 | End Diastolic Velocity |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| PI P1/2t | LN | 20280-4 | Pressure Half-Time |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | msec | Millisecond |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------|--|
| PI P1/2t Vmax | 99PMSBLUS | C12222-03 | Pressure Half-Time Peak velocity |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| PISA (AI) | LN | 20226-7 | Flow Area |
| | SRT | T-35400 | Aortic Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm2 | Square Centimeter |
| PISA (MR) | LN | 20226-7 | Flow Area |
| | SRT | T-35300 | Mitral Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm2 | Square Centimeter |
| PISA (TR) | LN | 20226-7 | Flow Area |
| | SRT | T-35100 | Tricuspid Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm2 | Square Centimeter |
| Pulm V S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48581 | Pulmonary Vein |
| | UCUM | 1 | no units |
| PulmV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48581 | Pulmonary Vein |
| | UCUM | sec | Seconds |
| PulmV A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48581 | Pulmonary Vein |
| | UCUM | cm/s | Centimeter Per Second |
| PulmV Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| PulmV Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| PV Acc Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s2 | Centimeter Per Second Square |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--------------------------------------|
| PV Acc Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| PV Annul Diam | SRT | M-02550 | Diameter |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm | Centimeter |
| PV Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| PV Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| PV R-R (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35200 | Pulmonic Valve |
| | UCUM | sec | Seconds |
| PV R-R (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| PV Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| PV Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| PV VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |
| PVA (Vmax) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35200 | Pulmonic Valve |
| | DCM | 125214 | Continuity Equation by Peak Velocity |
| | UCUM | cm2 | Square Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|-----------|-----------------|---|
| PVA (VTI) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35200 | Pulmonic Valve |
| | DCM | 125215 | Continuity Equation by Velocity Time Integral |
| | UCUM | cm ² | Square Centimeter |
| PV-HR (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35200 | Pulmonic Valve |
| | UCUM | {H.B.}/min | Beats Per Minute |
| PV-HR (MM) | LN | 8867-4 | Heart Rate |
| | SRT | T-35200 | Pulmonic Valve |
| | SRT | G-0394 | M mode |
| | UCUM | {H.B.}/min | Beats Per Minute |
| Qp/Qs | LN | 29462-9 | Pulmonary-to-Systemic Shunt Flow Ratio |
| | SRT | P5-30031 | Cardiac Shunt Study |
| | UCUM | 1 | no units |
| R to AV Closure | 99PMSBLUS | C12211-07 | R Wave to Aortic Valve Closure Time |
| | SRT | T-35400 | Aortic Valve |
| | UCUM | msec | Millisecond |
| R to AV Open | 99PMSBLUS | C12211-06 | R Wave to Aortic Valve Opening Time |
| | SRT | T-35400 | Aortic Valve |
| | UCUM | msec | Millisecond |
| R to MV Closure | 99PMSBLUS | C12207-42 | R Wave to Mitral Valve Closure Time |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | msec | Millisecond |
| R to MV Open | 99PMSBLUS | C12207-41 | R Wave to Mitral Valve Opening Time |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | msec | Millisecond |
| RA Dimen (2D) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32200 | Right Atrium |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| RA Dimen (MM) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32200 | Right Atrium |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| RA Pressure | LN | 18070-3 | Right Atrium Systolic Pressure |
| | SRT | T-32200 | Right Atrium |
| | SRT | R-FAB5B | End Systole |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RAED Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32200 | Right Atrium |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|--|
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RAED Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32200 | Right Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RAES Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32200 | Right Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| RAES Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32200 | Right Atrium |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| RCA Diam | SRT | M-02550 | Diameter |
| | SRT | T-43203 | Right Coronary Artery |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| RL PulmV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | UCUM | sec | Seconds |
| RL PulmV A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | UCUM | cm/s | Centimeter Per Second |
| RL PulmV Diam | SRT | M-02550 | Diameter |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | UCUM | cm | Centimeter |
| RL PulmV Dias Vel | LN | 20351-3 | Peak Velocity |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| RL PulmV S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | UCUM | 1 | no units |
| RL PulmV Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48520 | Right Inferior Pulmonary Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| RPA Diam | SRT | M-02550 | Diameter |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-44200 | Right pulmonary artery |
| | UCUM | cm | Centimeter |
| RPA Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44200 | Right pulmonary artery |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RPA Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44200 | Right pulmonary artery |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RPA Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-44000 | Pulmonary artery |
| | SRT | T-44200 | Right pulmonary artery |
| | UCUM | cm/s | Centimeter Per Second |
| RU PulmV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | UCUM | sec | Seconds |
| RU PulmV A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | UCUM | cm/s | Centimeter Per Second |
| RU PulmV Diam | SRT | M-02550 | Diameter |
| | SRT | T-48581 | Pulmonary Vein |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | G-03A2 | 2D mode |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | UCUM | cm | Centimeter |
| RU PulmV Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| RU PulmV S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | UCUM | 1 | no units |
| RU PulmV Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | T-48581 | Pulmonary Vein |
| | SRT | T-48510 | Right Superior Pulmonary Vein |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| RV ET (DOP) | LN | 20222-6 | Ejection Time |
| | SRT | T-32500 | Right Ventricle |
| | UCUM | sec | Seconds |
| RV ET (MM) | LN | 20222-6 | Ejection Time |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| RV MPI | LN | 59099-2 | Myocardial Performance Index (Tei) |
| | SRT | T-32500 | Right Ventricle |
| | UCUM | 1 | no units |
| RV PEP | LN | 59085-1 | Pre-Ejection Period |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| RV PEP/ET | LN | 59088-5 | Pre-Ejection Period/Ejection Time Ratio |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | 1 | no units |
| RV PEPc | LN | 59087-7 | Heart Rate-Corrected Pre-Ejection Period |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | msec | Millisecond |
| RVAWd (2D) | LN | 59089-3 | ROI Thickness by US |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|------------------------------|
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-4210B | Anterior Wall |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RVAWd (MM) | LN | 59089-3 | ROI Thickness by US |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | R-4210B | Anterior Wall |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RVED Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RVED Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RVES Major-A4C | SRT | G-A193 | Major Axis |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| RVES Minor-A4C | SRT | G-A194 | Minor Axis |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm | Centimeter |
| RVIDd (2D) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-------------------|---------------------------------|
| RVIDd (MM) | LN | 59090-1 | ROI Internal Dimension by US |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-0394 | M mode |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm | Centimeter |
| RVOT Acc Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| RVOT Acc Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | sec | Seconds |
| RVOT Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm ² | Square Centimeter |
| RVOT Diam | SRT | G-038F | Cardiovascular Orifice Diameter |
| | SRT | T-32500 | Right Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm | Centimeter |
| RVOT Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RVOT Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RVOT Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm/s | Centimeter Per Second |
| RVOT Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm/s | Centimeter Per Second |
| RVOT VTI | LN | 20354-7 | Velocity Time Integral |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|--|
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | cm | Centimeter |
| RVSP | SRT | G-0380 | Right Ventricular Peak Systolic Pressure |
| | SRT | T-32500 | Right Ventricle |
| | SRT | R-FAB5B | End Systole |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| RVSP (VSD) | SRT | F-31000 | Blood Pressure |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | SRT | R-FAB5B | End Systole |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| SI (2D-Cubed) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | UCUM | ml/m2 | ml/m2 |
| SI (2D-Teich) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | UCUM | ml/m2 | ml/m2 |
| SI (A/L) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml/m2 | ml/m2 |
| SI (A2C) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | ml/m2 | ml/m2 |
| SI (A2C-A/L) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml/m2 | ml/m2 |
| SI (A4C) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|-------------------------------|
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | ml/m2 | ml/m2 |
| SI (A4C-A/L) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml/m2 | ml/m2 |
| SI (BP) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | UCUM | ml/m2 | ml/m2 |
| SI (MM-Cubed) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | ml/m2 | ml/m2 |
| SI (MM-Teich) | SRT | F-00078 | Stroke Index |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | UCUM | ml/m2 | ml/m2 |
| SV (2D-Cubed) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125206 | Cube Method |
| | UCUM | ml | Milliliter |
| SV (2D-Teich) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125209 | Teichholz |
| | UCUM | ml | Milliliter |
| SV (A/L) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml | Milliliter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|-------------------------------|
| SV (A2C) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | ml | Milliliter |
| SV (A2C-A/L) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19B | Apical two chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml | Milliliter |
| SV (A4C) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125208 | Method of Disks, Single Plane |
| | UCUM | ml | Milliliter |
| SV (A4C-A/L) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-A19C | Apical four chamber |
| | DCM | 125226 | Single Plane Ellipse |
| | UCUM | ml | Milliliter |
| SV (BP) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-03A2 | 2D mode |
| | DCM | 125207 | Method of Disks, Biplane |
| | UCUM | ml | Milliliter |
| SV (LVOT) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | T-32650 | Left Ventricle Outflow Tract |
| | UCUM | ml | Milliliter |
| SV (MM-Cubed) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | DCM | 125206 | Cube Method |
| | UCUM | ml | Milliliter |
| SV (MM-Teich) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32600 | Left Ventricle |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|--|
| | SRT | G-0394 | M mode |
| | DCM | 125209 | Teichholz |
| | UCUM | ml | Milliliter |
| SV (MV) | SRT | F-32120 | Stroke Volume |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | ml | Milliliter |
| SV (PV) | SRT | F-32120 | Stroke Volume |
| | SRT | T-35200 | Pulmonic Valve |
| | UCUM | ml | Milliliter |
| SV (RVOT) | SRT | F-32120 | Stroke Volume |
| | SRT | T-32500 | Right Ventricle |
| | SRT | T-32550 | Right Ventricle Outflow Tract |
| | UCUM | ml | Milliliter |
| SV (TV) | SRT | F-32120 | Stroke Volume |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | ml | Milliliter |
| SVC A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | M-2460D | Right Superior vena cava |
| | UCUM | sec | Seconds |
| SVC A Vel | LN | 59079-4 | Peak Reversal Velocity during Atrial Contraction |
| | SRT | M-2460D | Right Superior vena cava |
| | UCUM | cm/s | Centimeter Per Second |
| SVC Diam | SRT | M-02550 | Diameter |
| | SRT | M-2460D | Right Superior vena cava |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| SVC Dias Vel | LN | 20351-3 | Peak Velocity |
| | SRT | M-2460D | Right Superior vena cava |
| | SRT | F-32011 | End Diastole |
| | UCUM | cm/s | Centimeter Per Second |
| SVC S/D | LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| | SRT | M-2460D | Right Superior vena cava |
| | UCUM | 1 | no units |
| SVC Sys Vel | LN | 20351-3 | Peak Velocity |
| | SRT | M-2460D | Right Superior vena cava |
| | SRT | R-FAB5B | End Systole |
| | UCUM | cm/s | Centimeter Per Second |
| Tei Index | LN | 59099-2 | Myocardial Performance Index (Tei) |
| | SRT | T-35300 | Mitral Valve |
| | UCUM | 1 | no units |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|----------|--|
| Time to Lat E` | LN | 59096-8 | Time to Left Ventricle E Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Time to Lat S | LN | 59095-0 | Time to Left Ventricle S Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0392 | Lateral Mitral Annulus |
| | UCUM | sec | Seconds |
| Time to Med E` | LN | 59096-8 | Time to Left Ventricle E Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |
| Time to Med S | LN | 59095-0 | Time to Left Ventricle S Tissue Velocity |
| | SRT | T-32600 | Left Ventricle |
| | SRT | P5-B0128 | Tissue Doppler Imaging |
| | SRT | G-0391 | Medial Mitral Annulus |
| | UCUM | sec | Seconds |
| TR Alias Vel | LN | 59130-5 | Alias velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TR ERO | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35100 | Tricuspid Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm2 | Square Centimeter |
| TR Flow Rate | LN | 34141-2 | Peak Instantaneous Flow Rate |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml/sec | ml/sec |
| TR Fraction | SRT | G-0390 | Regurgitant Fraction |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | % | Percent |
| TR Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-------------------|-----------------------------------|
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| TR Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| TR Radius | LN | 59102-4 | Flow Radius |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| TR Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TR Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TR Volume | LN | 33878-0 | Volume Flow |
| | SRT | T-35100 | Tricuspid Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | ml | Milliliter |
| TR VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0367 | Regurgitant Flow |
| | UCUM | cm | Centimeter |
| TV A Dur | LN | 59105-7 | A-Wave Duration |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | sec | Seconds |
| TV A-C Interval | LN | 59103-2 | A-C Interval |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0394 | M mode |
| | UCUM | sec | Seconds |
| TV Acc Slope | LN | 20167-3 | Acceleration Slope |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| TV Acc Time | LN | 20168-1 | Acceleration Time |
| | SRT | T-35100 | Tricuspid Valve |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-------------------|---|
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| TV Alias Vel | LN | 59130-5 | Alias velocity |
| | SRT | R-42047 | Antegrade Flow |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | cm/s | Centimeter Per Second |
| TV Annul Area | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm ² | Square Centimeter |
| TV Annul Diam | SRT | M-02550 | Diameter |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | T-3500E | Cardiac valve annulus |
| | UCUM | cm | Centimeter |
| TV Area | SRT | G-A166 | Area |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm ² | Square Centimeter |
| TV Closure to Opening | LN | 59082-8 | Closure to Opening Time |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | sec | Seconds |
| TV D-E Exc Dist | LN | 59091-9 | D-E Excursion |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm | Centimeter |
| TV D-E Slope | LN | 59127-1 | D-E Slope |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm/s | Centimeter Per Second |
| TV Decel Slope | LN | 20216-8 | Deceleration Slope |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s ² | Centimeter Per Second Square |
| TV Decel Time | LN | 20217-6 | Deceleration Time |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | sec | Seconds |
| TV DFP | SRT | R-003A9 | Tricuspid Diastolic Filling Period (DFPt) |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|--------------------------------------|------------|-----------|----------------------------------|
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | sec | Seconds |
| TV Diam | SRT | G-038F | Cardiovascular Orifice Diameter |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| TV E/A | LN | 59104-0 | Peak E wave/Peak A wave by US |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | 1 | no units |
| TV E-F Slope | LN | 59128-9 | E-F Slope |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-0394 | M mode |
| | UCUM | cm/s | Centimeter Per Second |
| TV Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| TV Mean PG | LN | 20256-4 | Mean Gradient |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| TV P1/2t | LN | 20280-4 | Pressure Half-Time |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | msec | Millisecond |
| TV P1/2t Vmax | 99PMSBLUS | C12222-03 | Pressure Half-Time Peak velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | cm/s | Centimeter Per Second |
| TV Peak A Vel | LN | 59081-0 | A-Wave Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TV Peak E Vel | LN | 59080-2 | E-Wave Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TV Radius | LN | 59102-4 | Flow Radius |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | G-03A2 | 2D mode |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|-----------------|-----------------------------------|
| TV R-R (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | sec | Seconds |
| TV Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TV Vmean | LN | 11692-1 | Time Averaged Peak Velocity |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm/s | Centimeter Per Second |
| TV VTI | LN | 20354-7 | Velocity Time Integral |
| | SRT | T-35100 | Tricuspid Valve |
| | SRT | R-42047 | Antegrade Flow |
| | UCUM | cm | Centimeter |
| TVA (PISA) | SRT | G-038E | Cardiovascular Orifice Area |
| | SRT | T-35100 | Tricuspid Valve |
| | DCM | 125216 | Proximal Isovelocity Surface Area |
| | UCUM | cm ² | Square Centimeter |
| TV-HR (DOP) | LN | 8867-4 | Heart Rate |
| | SRT | T-35100 | Tricuspid Valve |
| | UCUM | {H.B.}/min | Beats Per Minute |
| VSD Diam | SRT | M-02550 | Diameter |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| VSD Major | SRT | G-A193 | Major Axis |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| VSD Max PG | LN | 20247-3 | Peak Gradient |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | UCUM | mm[Hg] | Millimeters Of Mercury |
| VSD Minor | SRT | G-A194 | Minor Axis |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | SRT | G-03A2 | 2D mode |
| | UCUM | cm | Centimeter |
| VSD Vmax | LN | 20351-3 | Peak Velocity |
| | SRT | D4-31150 | Ventricular Septal Defect |
| | UCUM | cm/s | Centimeter Per Second |

| ClearVue 650 1.0 Report Label | CSD | CV | CM |
|-------------------------------|------|---------|---------------------------------------|
| Wall Stress | LN | 59097-6 | Left Ventricle Meridional Wall Stress |
| | SRT | T-32600 | Left Ventricle |
| | SRT | G-0394 | M mode |
| | UCUM | kg/m2 | kg/m2 |

A.5.3 Pediatric Echo Meas/Calcs NOT exported in Dicom

The following labels are not exported in DICOM Structured Reports for Pediatric Echo

| ClearVue 650 1.0 Label |
|----------------------------|
| Ped AI End Dias PG |
| Ped AI PHalfT-DopSlope |
| Ped AI PHalfT-DopTime |
| Ped AI PHalfT-MaxPG |
| Ped AI PHalfT-Vmax |
| Ped B-C Slope-Dist |
| Ped B-C Slope-MMTime |
| Dist L PulmA Diam |
| Ped Dist L PulmA MaxPG |
| Ped Dist L PulmA Vmax |
| Dist R PulmA Diam |
| Ped Dist R PulmA MaxPG |
| Ped Dist R PulmA Vmax |
| m_p_IVC_ARevsVel_PG |
| m_p_IVC_DiasVel_PG |
| m_p_IVC_SysVel_PG |
| Ped Late Dias Slope-Dist |
| Ped Late Dias Slope-MMTime |
| Ped LV LdApical Area |
| Ped MV DE Exc MMTime |
| Ped MV DE Dist |
| Ped MV DE MMTime |
| MV PHalfT-DopSlope |
| MV PHalfT-DopTime |
| Ped PDA DiasVel PG |
| Ped PI End Dias PG |
| Ped PI PHalfT-DopSlope |
| Ped PI PHalfT-DopTime |
| Ped PI PHalfT-MaxPG |
| Hep. A Revs Vel-PG |

| |
|------------------------|
| m_p_SVC_DiasVel_PG |
| m_p_SVC_SysVel_PG |
| Ped TV D-E Exc-MMTime |
| Ped TV DE Distance |
| Ped TV DE MMTime |
| m_p_TV_PeakAVel_PG |
| m_p_TV_PeakEVel_PG |
| Ped TV PHalfT-DopSlope |
| Ped TV PHalfT-DopTime |
| Ped TV PHalfT-MaxPG |

APPENDIX B – BULK PRIVATE TAGS

B.1 BULK PRIVATE TAGS

The private tags listed below are intended to provide awareness of large data sets of private data from ClearVue 350/550/580 2.0 and ClearVue 650 1.0 datasets

| Attribute Name | DICOM Tag | VR | Description |
|----------------|-----------|----|-------------|
| Private Data | 200D,300E | OB | Bulk data |
| Private Data | 200D,300B | OB | Bulk data |
| Private Data | 200D,3CF3 | OB | Bulk data |

***** End of Document *****