Meaningful advances take Ingenuity

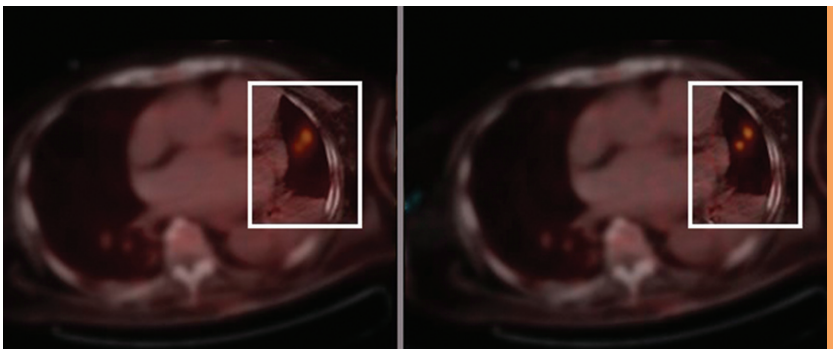
Philips Ingenuity TF PET/CT

PHILIPS

The first of its kind

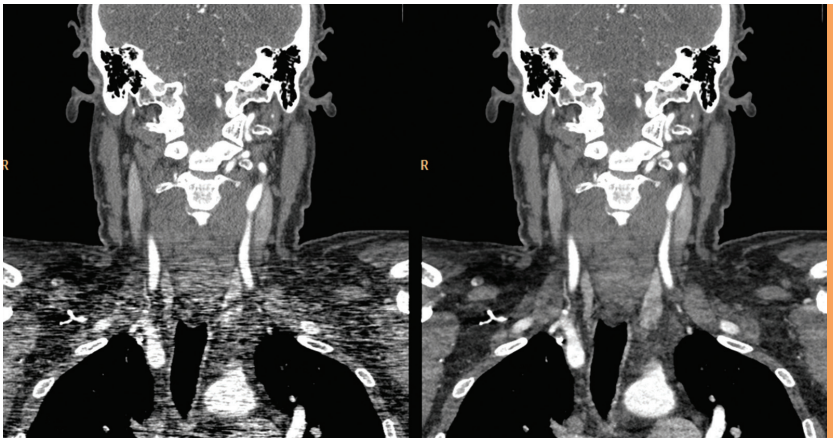
What do you get when you combine the performance of Philips Astonish TF Time-of-Flight PET technology with CT advances like Philips iDose[4]? Ingenuity TF PET/CT.

Ingenuity TF PET/CT is the first PET/CT system to incorporate the image quality improvements of both Astonish TF and iDose[4]. Expect low-dose PET scans with excellent image quality. Experience personalized CT image quality at low dose based on patient needs.



4 mm **2 mm**

Astonish lives up to its name
With up to 30% improved contrast over non-TOF scans, Astonish TF offers exceptional image quality. It also provides up to 4x the reconstruction speed of our previous-generation systems. Astonish TF allows fast TOF scans, low dose, and excellent image quality.



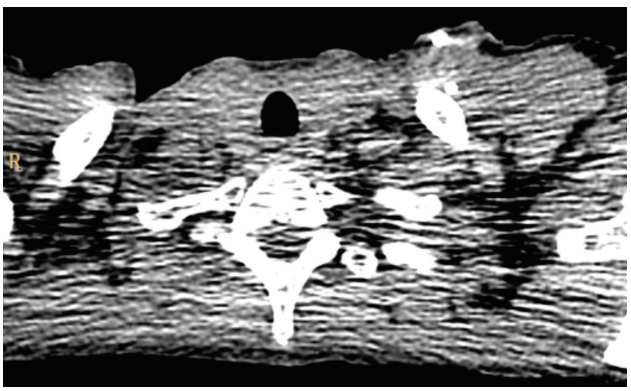
iDose[4] off **iDose[4] on**

High CT image quality at low dose with iDose[4]
Philips iDose[4] significantly improves spatial resolution at low dose, allowing you to manage dose without sacrificing image quality.

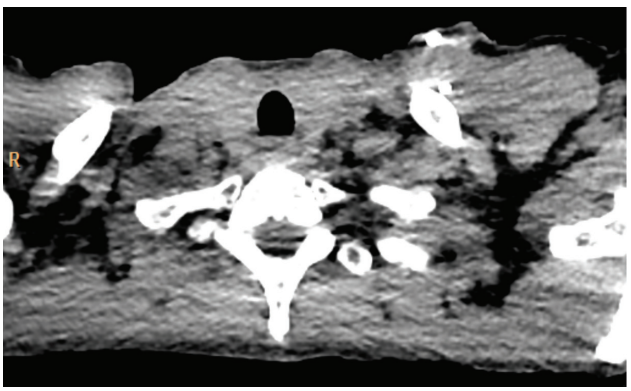
Personalize image quality at low dose

Ingenuity TF PET/CT offers iDose^4 for personalized image quality at low dose, as well as O-MAR (orthopedic metal artifact reduction) to improve visualization in the presence of large metal orthopedic implants.

Superb diagnostic CT detail, fast scanning, low radiation dose.



iDose^4 off



iDose^4 on

iDose^4 improves spatial resolution performance for low-dose scanning.

Without O-MAR

With O-MAR

O-MAR improves visualization in the presence of large metal orthopedic implants.

Patient-centric workflow

iPatient

Ingenuity TF PET/CT features workflow powered by Philips iPatient, an advanced platform that puts you in control of enhancing your PET/CT system today, while getting ready for the challenges of tomorrow.

Every patient is different. iPatient helps you plan for that.

Focus on the patient

To truly focus on the patient, you need to have the ability to personalize your control. This means achieving consistent image quality and managing dose appropriately every day. With iPatient, you have new methods that facilitate patient-specific dose management for increased diagnostic confidence.

iPatient has an intuitive interface, helping to increase working speed and efficiency. Integrating functionality at the point of care is designed to enhance real-time decision-making.

Key features

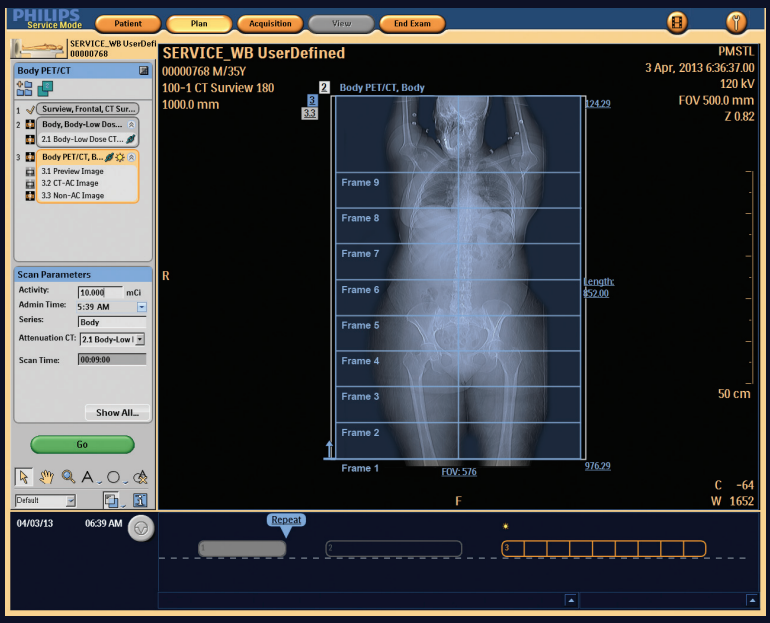
- Offers personalized patient-centric workflow built for iterative reconstruction techniques and high image quality at low dose levels to drive confidence and consistency
- Increases the ability to do complex and advanced procedures
- Prepares you for future technologies that will help improve the care you deliver to your patients

takes Ingenuity

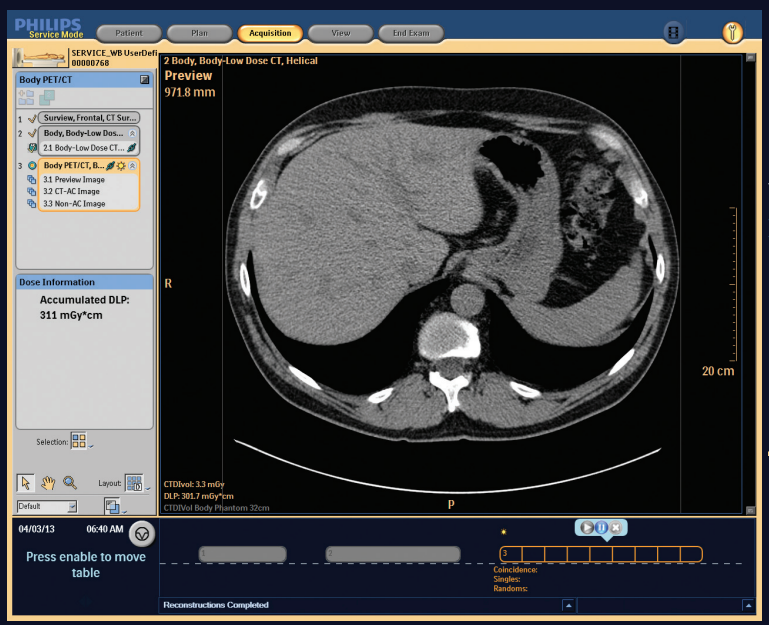
Transforming care, together

Together, we are changing the expectations of what imaging is, how it should work, and what it can do today and tomorrow.

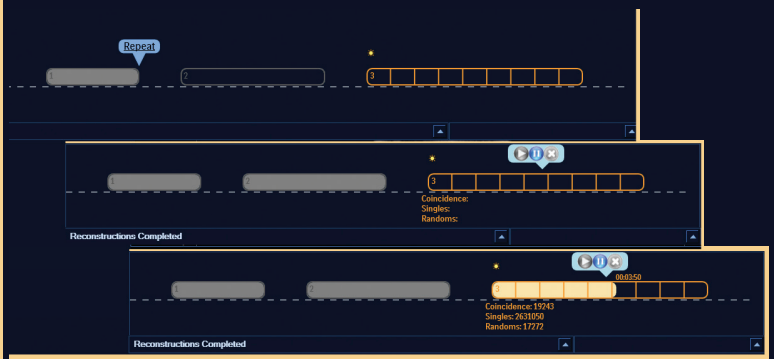
Exam Cards provide easy PET/CT acquisition setup. Customized Exam Cards may be created to suit your preference.



Integrated planning of the PET and CT allows fast setup.



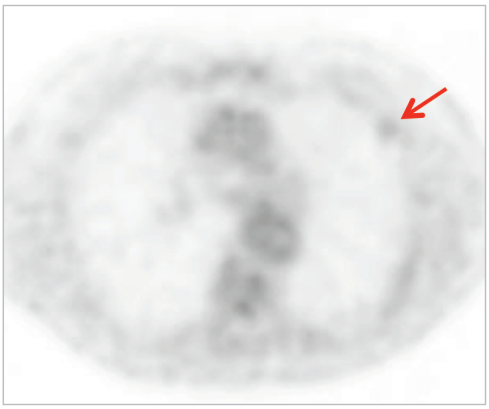
iPatient allows the ability to define exactly what you need in terms of image characteristics, so you can adjust the settings automatically.



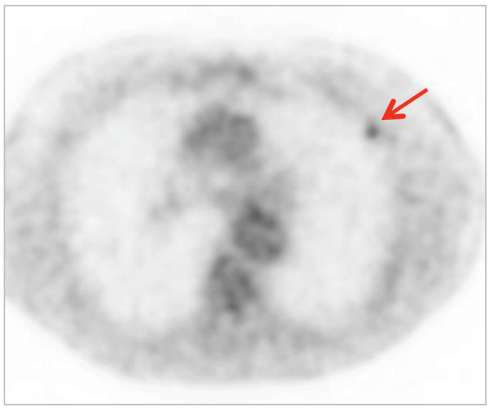
The scan ruler provides constant feedback regarding the acquisition progress.

Images like these

Ingenuity TF PET/CT offers personalized imaging excellence across a wide range of studies.

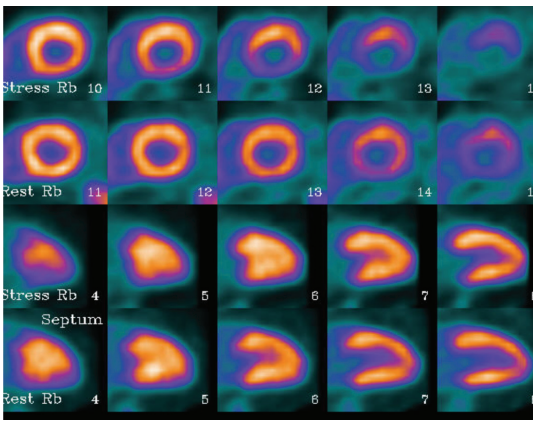


4 mm reconstruction with PSF

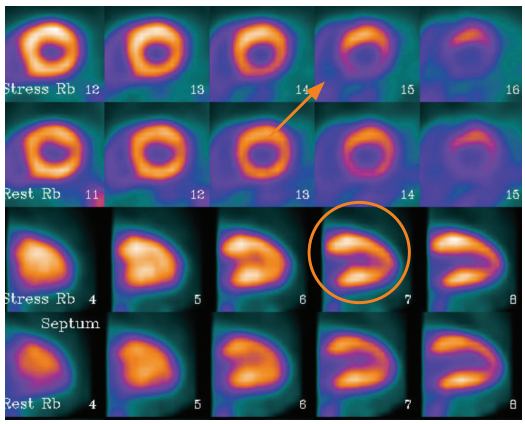


2 mm detailed reconstruction without PSF

Astonish TF with 2 mm detailed reconstruction has improved contrast resolution compared to just using PSF in whole body studies.

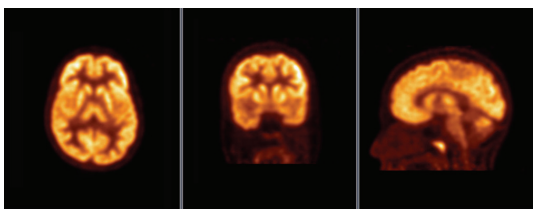


Non-TOF

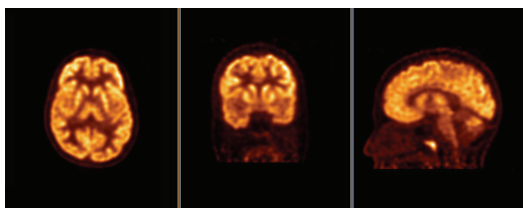


Astonish TF

Cardiac TOF enhances image detail, demonstrating image quality performance.



Without PSF correction

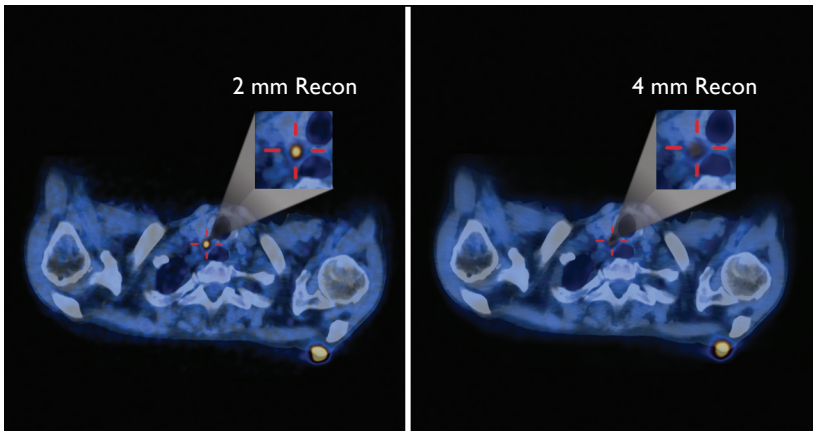


After PSF correction

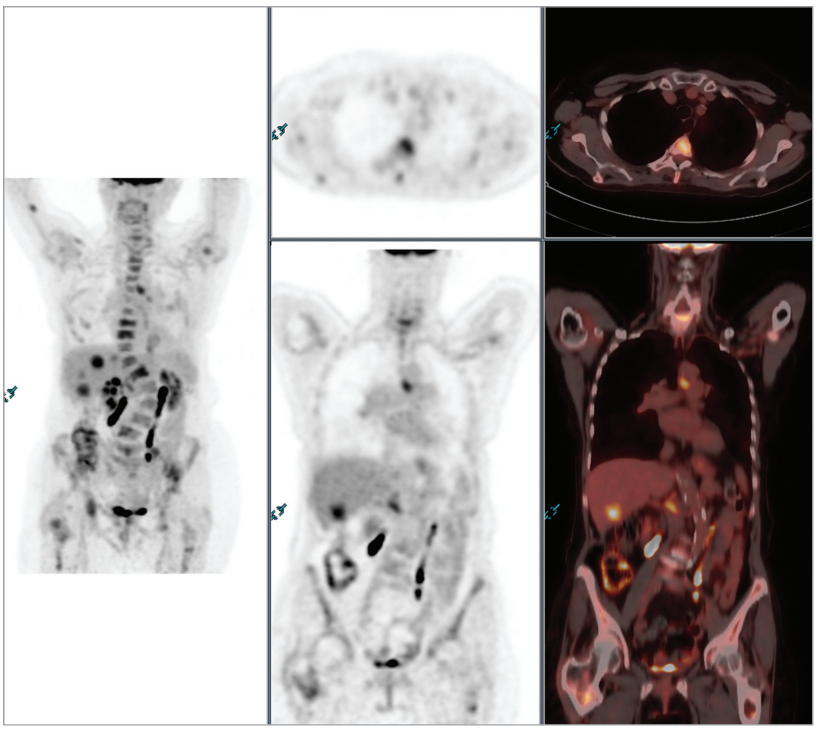
Astonish TF demonstrates improvement in image contrast and resolution due to TOF and PSF correction in brain imaging.

take Ingenuity

Improved visualization of small lesions with 2 mm detailed reconstruction.

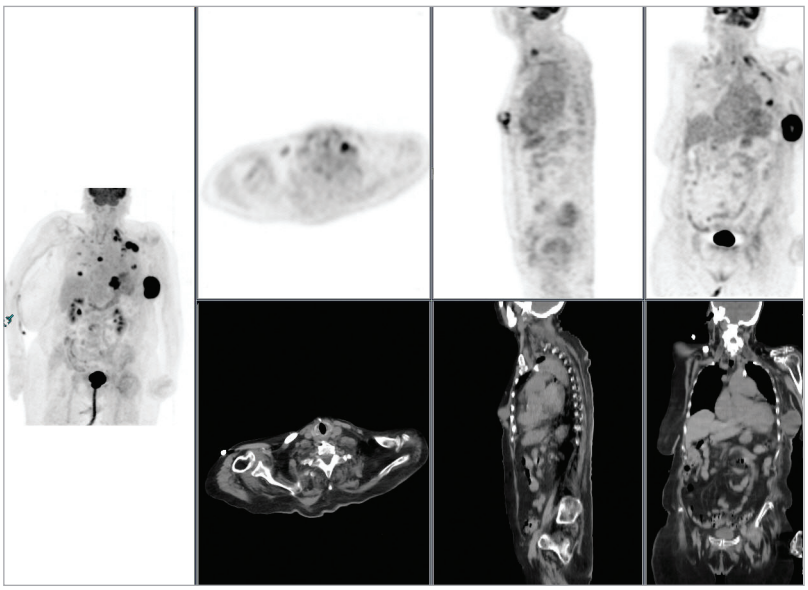


Consistent image quality across all types of studies, for patients of virtually any size.

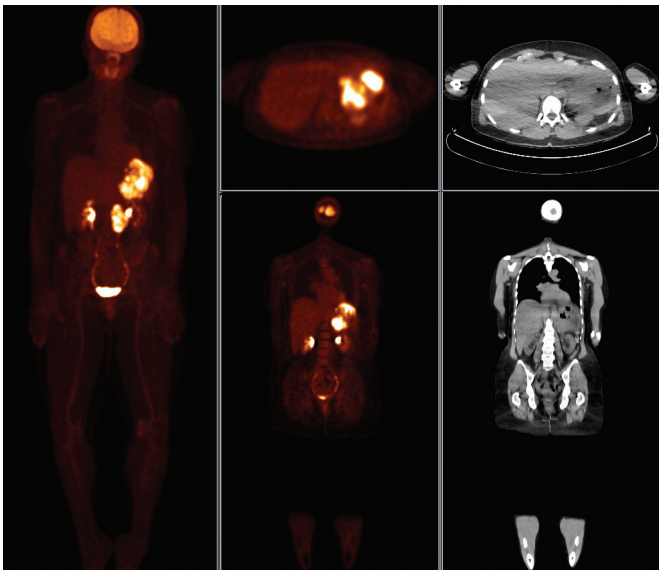


Astonish TF

With up to 30% improved contrast over non-TOF, Astonish TF offers exceptional image quality with reconstruction speeds up to 30 seconds per bed.



The 190 cm scan length allows total body studies to be performed with one acquisition.

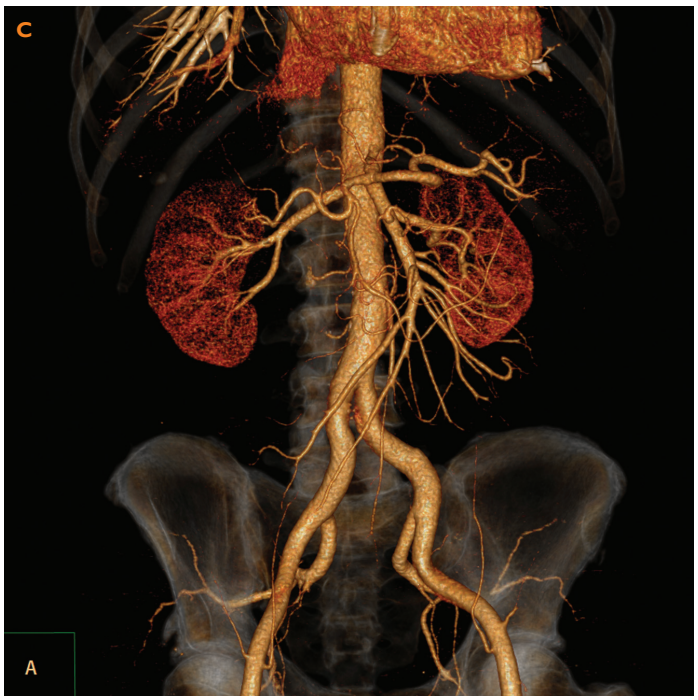


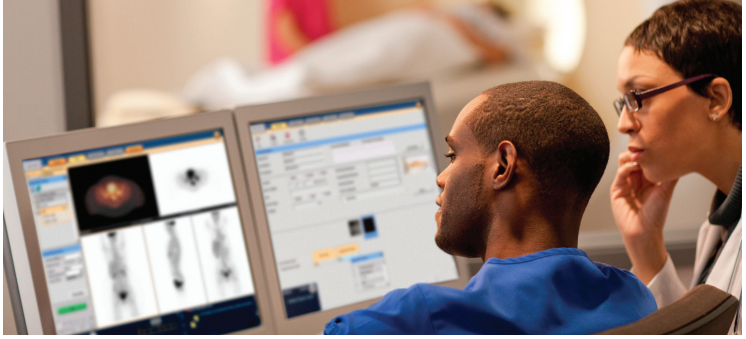
Ingenuity CT

A. Step & Shoot Cardiac. Low-energy, 1.8 mSv acquisition to rule out coronary artery disease. 100 kvp, 108 mAs, 16 cm, 52 bpm.

B. Exceptional image quality, low energy CAP exam; 59.5 cm, 80 kVp, 135 mAs reconstructed with iDose^4 level 3.

C. Routine CTA capabilities with iDose^4.





Advances like these take Ingenuity

Exclusive OpenView gantry

- Separated gantry for enhanced patient comfort.
- Expanded access to the patient.
- Excellent for managing cardiac patients.

Ingenuity TF PET/CT

- Built with the proven technologies of the Ingenuity CT platform, the system offers the benefits of high resolution visualization and low dose techniques to manage image quality in both modalities.
- Clinical breakthroughs such as iDose^4 and O-MAR provide high image quality with reduced artifacts.

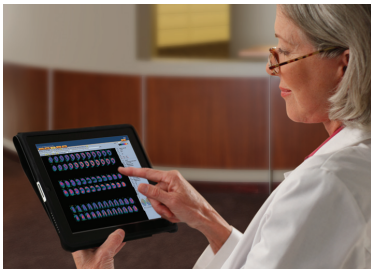
Patient-centric imaging

- iPatient offers personalized patient-centric workflow built for iterative reconstruction techniques and high image quality at low dose levels to drive confidence and consistency 24/7.

Lesion detectability

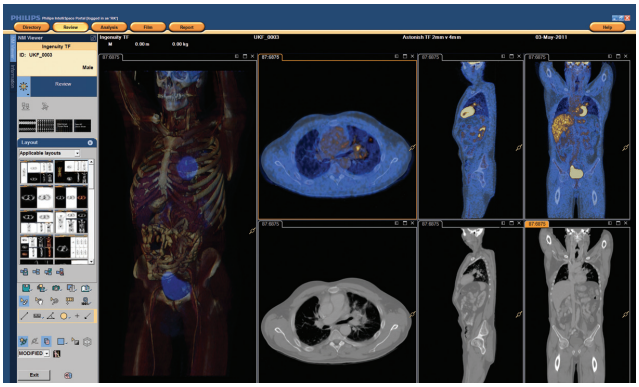
- Up to 30% improved contrast with Astonish TF TOF over non-TOF scans.
- See small lesions with 2 mm detailed reconstruction and proprietary point spread function (PSF) technology.

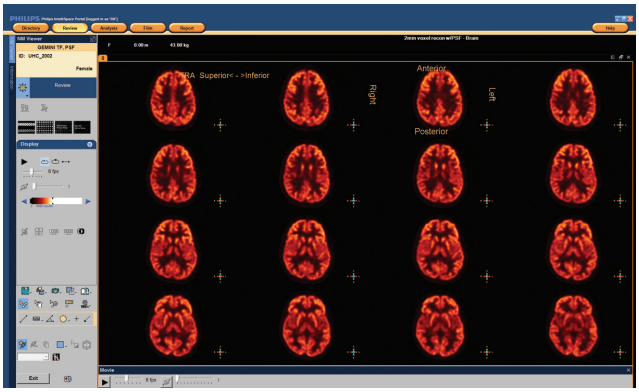
Philips IntelliSpace Portal

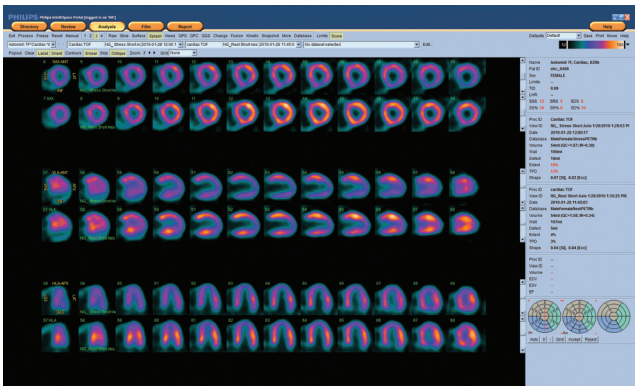


The IntelliSpace Portal* allows easy communication and collaboration.

Advanced visualization for real-time radiology







Advanced visualization for real-time radiology

Philips IntelliSpace Portal is a highly scalable server-client based multimodality processing and review environment, providing a comprehensive suite of nuclear medicine applications that are accessible virtually anywhere, anytime.

Accelerate the speed of quality care

You can share clinical images and data with peers, specialists, and referring physicians in real time so that they can see the same images you see – at the same time you do – to streamline communication, increase collaboration†, and enhance diagnostic confidence.

Turns any PC into a powerful multimodality workspace

Improve workflow efficiency with convenient access to the full suite of multimodality applications on a PACS terminal or from any PC

IntelliSpace Portal offers a wide range of proven clinical applications:

- CT Comprehensive Cardiac Analysis
- CT-NM MPI Cardiac Fusion
- CT Advanced Vessel Analysis (AVA) – Stenosis
- CT Advanced Vessel Analysis (AVA) – Stent Planning
- CT Calcium Scoring
- CT Liver Analysis
- NM Review
- Cedars Sinai Cardiac Suite 2012:
  - NM AutoQUANT
  - NM/CTA Cedars Fusion
  - Cedars MFSC
- NM NeuroQ
- NM Equal
- And many more

*Images are not for diagnosis except when using cleared software for mobile application.
† Web Collaborator enables viewing and sharing – not intended for diagnosis.

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Printed in The Netherlands.
4522 962 94051 * MAY 2013