PHILIPS

Oncology solutions

DynaCAD Breast

Manage MRI mammography with ease

Philips DynaCAD Breast is a multi-vendor breast MR image analysis system specifically designed to help you process and display large volumes of clinical images and data.

With its sophisticated post-processing engine, DynaCAD Breast supports efficient, focused workflows by automating routine tasks and providing you with ready-to-read, custom hanging protocols. Its configurable worklists make for easy study management, and its comprehensive toolset provide added efficiency and confidence for your clinical assessments.

With higher sensitivity than mammography, MRI is recognized for its efficacy in diagnosing breast cancers – particularly finding smaller, risky tumors.[1] But using MRI also means hundreds of images to organize and assess in a meaningful way to support your reporting.

Benefit from sophisticated, automated processing

Take advantage of DynaCAD's advanced post-processing engine that automatically generates multi-planar reformatted (MPR) and maximum intensity projection (MIP) images. You can also apply 3D image registration to correct motion artifacts, and chest wall/cardiac masking to help focus on the target anatomy. Additional tools are available to help analyze the data, such as subtraction images and color overlays based on kinetic characteristics. You can view the post-processed data in a customized hanging protocol or automatically forward it to a PACS archive.
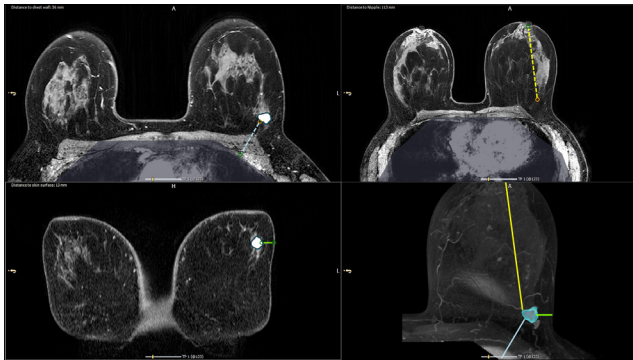
Get insight with a single click

Launch DynaCAD Breast's automatic segmentation feature with one mouse click. The advanced segmentation algorithm allows for your on-the-fly modification and presents you with a volume analysis, lesion composition statistics, histograms, and a 3D-rendered morphological overview. Auto-populated regions of interest (ROIs) can be viewed as a 2D image or can be mapped onto a maximum intensity projection, where it will appear as a 3D object. The resulting segmentation report includes a calculation of lesion diameter measurements and location.
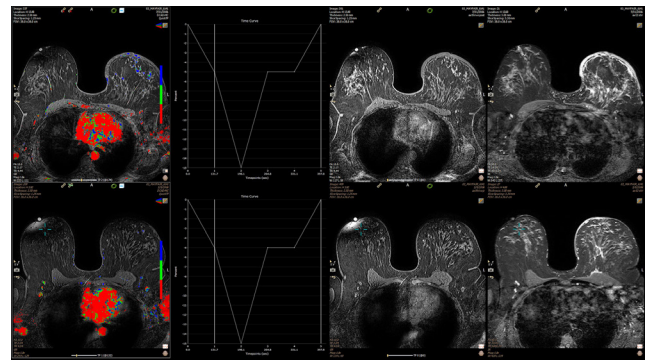
Review current and prior exams

DynaCAD Breast automatically associates prior exams with current ones for quick and effortless side-by-side review. You can set linked exams to scroll sequentially, so you can visually compare current and prior images on a slice-by-slice basis.

Report findings

Use the structured reporting system in DynaCAD Breast to produce highly customized exam reports. You can program reports to automatically append pre-selected images containing kinetic data, measurements, and annotations. The system also automatically populates additional report fields such as lesion diameter measurements, lesion to landmark distances, and volumetric data. Upon completion, you can print patient reports, save as a PDF, or send as DICOM images.

Automated reports capture and share relevant data and help to standardize diagnoses.
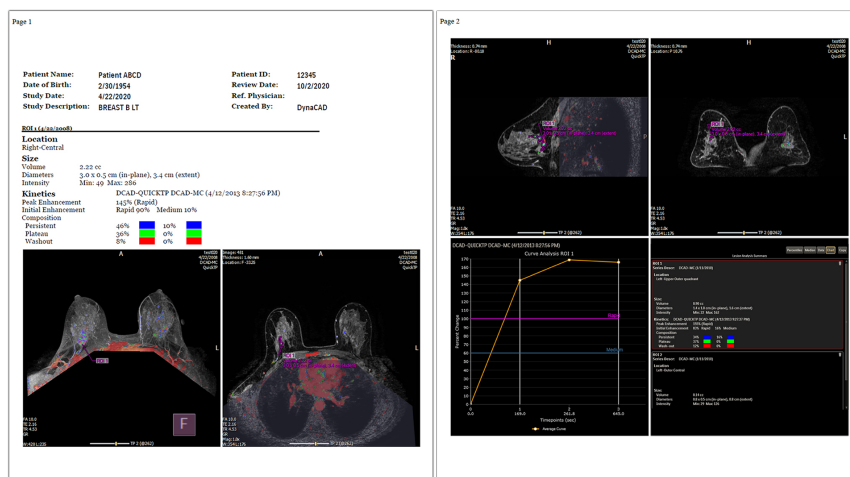
Breast cancer represents
25% of cases of cancer in women[2]

Get visual guidance for interventional planning

We understand you need a multifaceted approach to breast care. To provide a complete solution, DynaCAD Breast includes DynaLOC visual guidance for planning of breast biopsy procedures. DynaLOC's menu-driven interface guides you through the initial setup of equipment to the confirmation of targets. Access a large library of interventional instruments and hardware for a custom, site-specific workflow. Computer renderings illustrate patient position, device setup, target area and needle tract for added confidence.
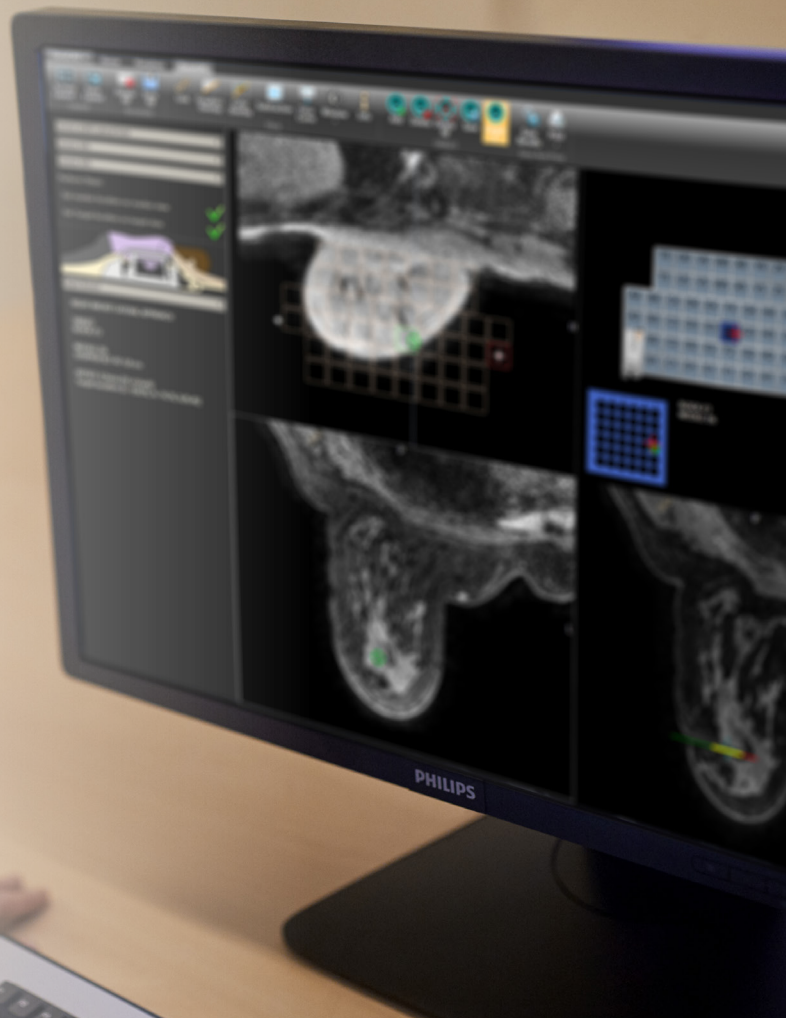
Trusted by the best

DynaCAD is used at **22 of the top 25 ranked US hospitals³**

Our commitment to oncology

At Philips, we recognize that oncology care requires integrated approaches across patient pathways. From diagnosis and staging, to treatment decision, to therapy planning and follow-up, we're addressing challenges in cancer care by providing solutions across the entire care delivery pathway.

DynaCAD Breast is just one solution from the Philips portfolio of computer-aided diagnostic solutions. We aim to help you build best-in-class oncology programs in the ever-changing healthcare landscape. Talk to us today to see how we can help you guide your patients along their journeys – because there's always a way to make life better.

Enhance productivity
· Access virtually anywhere
· Customizable to your needs
Work the way you prefer to work.

Support confident diagnostics
· Automated image processing
· Comprehensive viewing possibilities
See things the way that makes sense for you.

Simplify workflows
· Automated segmentation and reporting tools
· Integration into the biopsy workflow
Concentrate on the clinical needs, rather than the data processing.

DynaCAD Breast is a module of DynaCAD product.

1 Saslow D, Boetes C, Burke W, et al. American Cancer Society Guidelines for Breast Screening with MRI as an Adjunct to Mammography. CA: A Cancer Journal for Clinicians. 2007. 57: 75-89. https://doi.org/10.3322/canjclin.57.2.75
2 World Cancer Research Fund International. Diet, nutrition, physical activity and breast cancer. 2017. Revised 2018. ISBN (pdf): 978-1-912259-37-3. Available at https://www.wcrf.org/dietandcancer/breast-cancer
3 U.S. News and World Report: 2017 Best Hospitals Ranking (Cancer) https://health.usnews.com/best-hospitals/rankings/cancer (sales data on file).

Learn more about Philips breast cancer solutions at
www.philips.com/dynacad-breast

PHILIPS

www.philips.com/healthcare