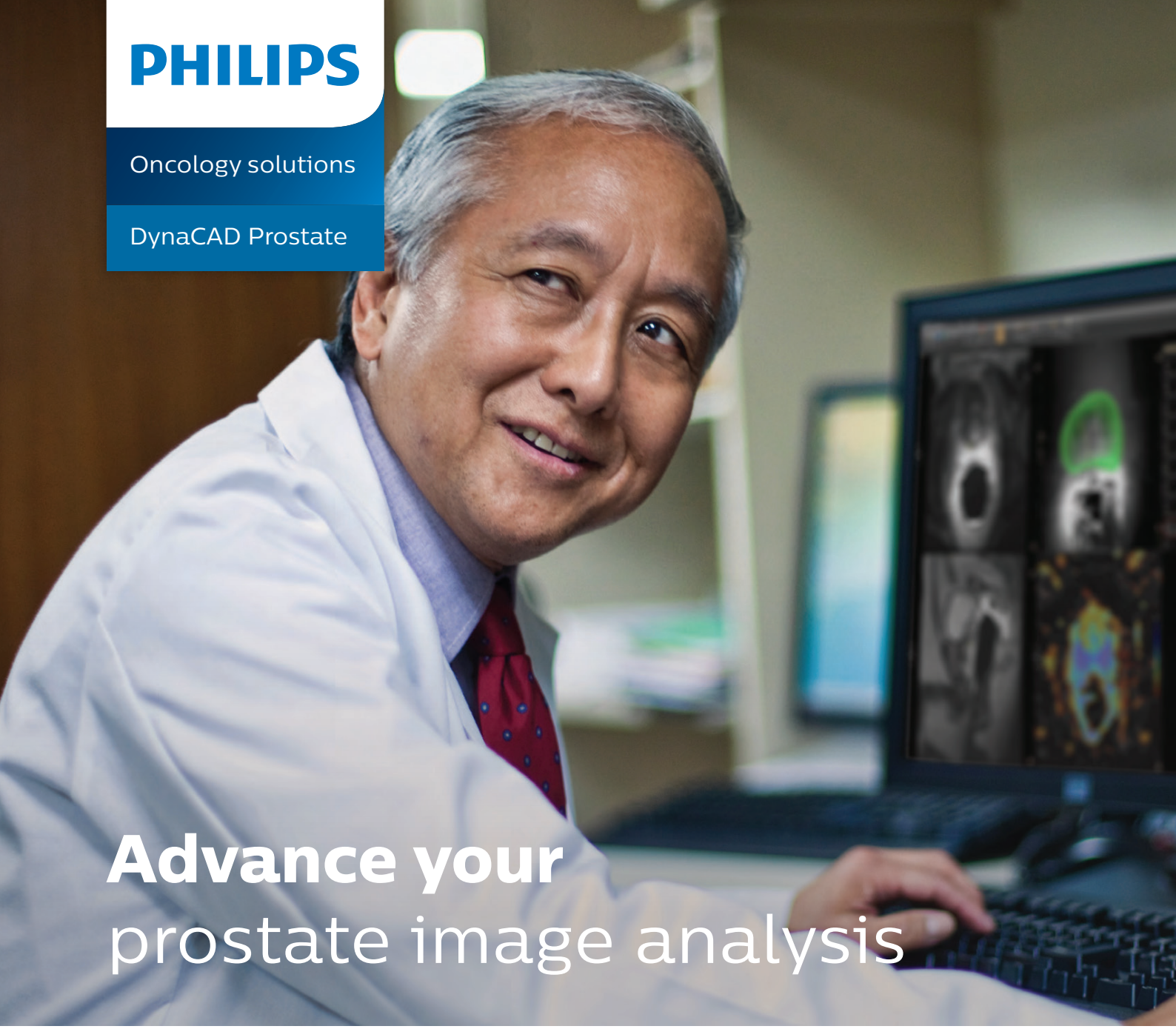
PHILIPS

Oncology solutions

DynaCAD Prostate



Advance your prostate image analysis

Philips DynaCAD Prostate is an advanced visualization system that empowers you with a comprehensive set of tools for real-time analysis, review, and reporting of multi-parametric MRI studies.

Create time and workflow efficiency by transferring images directly from the MRI to DynaCAD. Utilize its robust, automatic post-processing tools and display results in customized hanging protocols for analysis and reporting. At case completion, you can automatically transfer key images, statistical data, and prostate PI-RADS® reports to PACS for archiving. By setting everything up for you to work, DynaCAD helps you enhance your confidence and productivity – so patients get the prompt, precise care they need.

Prostate-specific antigen (PSA) screening may help reduce prostate cancer-related deaths.[1] However, it can also mean clinically insignificant cancers are overdiagnosed and overtreated. Multi-parametric MRI imaging of the prostate has become the new standard of care for prostate lesion detection and grading. But MRI brings new challenges. For each exam, you must organize and assess large amounts of data – often over 800 image files.

Streamline your workflow

Enhance your multi-parametric exam review by using DynaCAD to calculate color overlay maps based on perfusion characteristics, ADC and diffusion values. You can use a simple menu selection to process and create ADC and interpolated high b-value image series for radiology review.

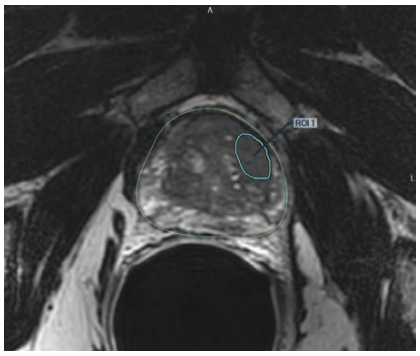
Images display in user-friendly, customizable hanging protocols.

Customize your view

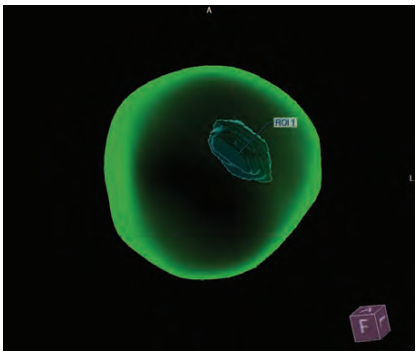
With a powerful, easy-to-navigate, multi-vendor MR image analysis system, DynaCAD can quickly process and manage large volumes of data. You can open cases in ready-to-read, custom hanging protocols with all images synchronized for easy, multi-parametric review.

Segment automatically

You can virtually eliminate manual outlining of the prostate gland: DynaCAD Prostate's model-based gland segmentation automatically performs a 3D segmentation of the gland. You can alter or adjust the segmented results in all three planes. The resulting segmentation reports overall gland volume and sets the stage for UroNav MR/US guided fusion biopsy and ablation procedures.



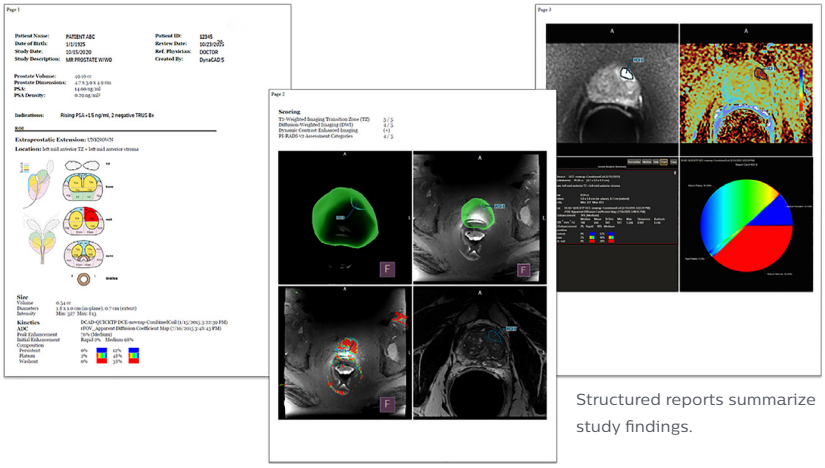
DynaCAD's preprocessing engine automatically generates a 3D gland segmentation for review and use in UroNav MR/US fusion biopsy.



User-created ROIs can be displayed within the 3D segmented gland.

Report findings

You can set up patient reports to automatically capture pre-selected image sequences, kinetic curves, measurements, and annotations. Lesions are assessed according to PI-RADS® v.2.1 scoring and are automatically registered to the PI-RADS sector map as 2D projections. This data is incorporated into standardized reports. Upon completion, you can print patient reports, save as a PDF, or send as DICOM images.



Structured reports summarize study findings.

1 in 6 men in the U.S./Europe have been **diagnosed with prostate cancer.**[2,3]

Smooth biopsy and ablation workflows

You can combine our DynaCAD Prostate advanced visualization system with DynaCAD Urology and our UroNav MR/Ultrasound fusion biopsy and ablation system for comprehensive support throughout the prostate care cycle. You can quickly transfer data – including prostate and lesion segmentations, T2 weighted images, biopsy targets, and PI-RADS® scoring – from radiology to urology for fusion biopsy and ablation procedures.

Trusted by the best

DynaCAD Prostate is used at **22 of the top 25 ranked US hospitals**[4]

A multifaceted approach to prostate care

You can use DynaCAD Prostate with Philips clinical data management platform for browser-based access and cross-referencing with data from other sources, such as pathology. With our comprehensive prostate solutions, you work with a complete patient view – to support diagnostic processes, treatment decisions, follow-up and communications across clinical domains.

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 Prostate 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 Prostate is a module of DynaCAD product.

1. Murphy J, Haider M, Ghai S, et al. The Expanding Role of MRI in Prostate Cancer. AJR 2013; 201:1229–1238. https://www.ajronline.org/doi/pdf/10.2214/AJR.12.10178
2. WHO Cancer fact sheet No 297
3. American Cancer Society & SEER
4. U.S. News and World Report: 2017 Best Hospitals Ranking (Cancer) https://health.usnews.com/best-hospitals/rankings/cancer (sales data on file).

PI-RADS® is a trademark and brand of The American College of Radiology.

Learn more about Philips prostate solutions at
www.philips.com/prostatesolutions

PHILIPS

www.philips.com/healthcare