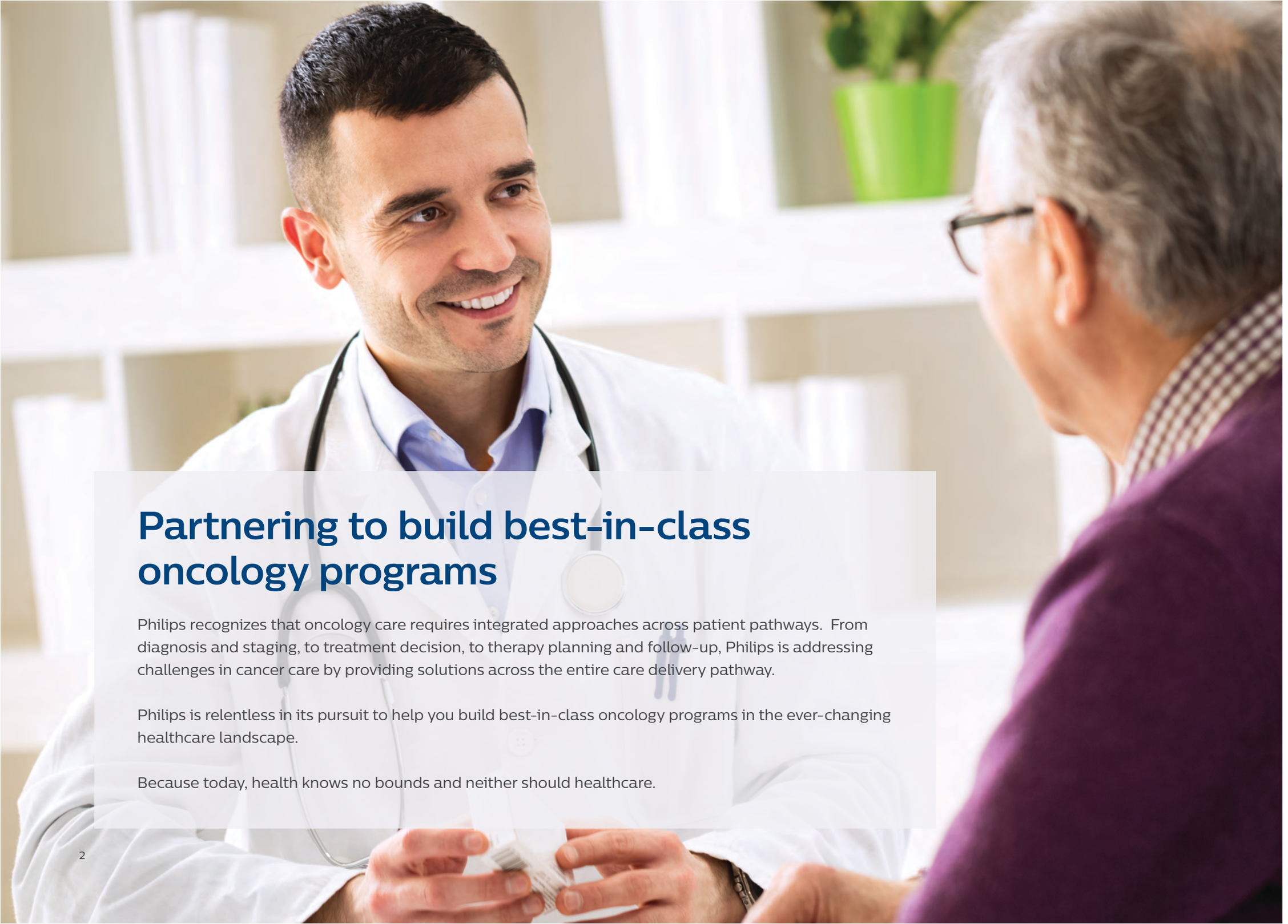
PHILIPS

Oncology solutions

UroNav

The next generation of prostate care



Partnering to build best-in-class oncology programs

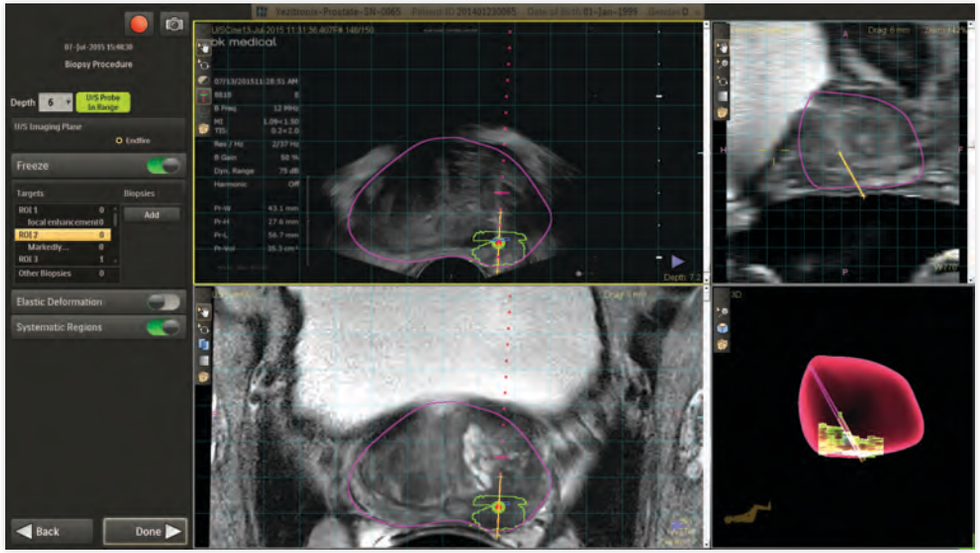
Philips recognizes that oncology care requires integrated approaches across patient pathways. From diagnosis and staging, to treatment decision, to therapy planning and follow-up, Philips is addressing challenges in cancer care by providing solutions across the entire care delivery pathway.

Philips is relentless in its pursuit to help you build best-in-class oncology programs in the ever-changing healthcare landscape.

Because today, health knows no bounds and neither should healthcare.

The traditional approach

Current methods of prostate cancer screening, such as prostate-specific antigen (PSA) tests and digital rectal exams (DRE), are somewhat unreliable and can lead to many uncertainties for both patient and urologist. Prostate biopsy, the most reliable method of detection, is a challenge because of the difficulties in visualizing not only the entirety of the prostate, but also the location of the biopsy needle. Transrectal ultrasound-guided prostate biopsy (TRUS), the current biopsy standard, commonly suffers from poor image resolution, and the biopsy needle often passes through tumor-free areas of the prostate **- potentially missing the tumor entirely.**



MR/US fusion aligns and registers prior diagnostic MR images (bottom) with real-time ultrasound images (top). The purple outline displays the segmented prostate anatomy from the MR exam and green/red "targets" indicate the location of the MR suspicious lesions.[1]

[1] Pinto PA, Chung PH, Rastinehad AR, et al. Magnetic resonance imaging/ultrasound fusion guided prostate biopsy improves cancer detection following transrectal ultrasound biopsy and correlates with multiparametric magnetic resonance imaging. J Urol. 2011;186:1281.

A better way

Targeted MR/ultrasound biopsy is poised to become a new standard in prostate care.

The UroNav Fusion Biopsy System from Philips fuses pre-biopsy MR images of the prostate with ultrasound-guided biopsy images in real time, for excellent delineation of the prostate and suspicious lesions, as well as clear visualization of the biopsy needle.

Trusted by the best

UroNav is used at 15 out of the top 20 ranked US hospitals[2]

Bringing the power of MRI to Urology

With UroNav, there is no need for complex mechanical devices or complicated, time-consuming setup routines. UroNav keeps the targeted MR/ultrasound biopsy procedure in your hands with a simple workflow and unique features designed around you and your clinical needs.

[2]U.S. News and World Report: 2017 Best Hospitals Ranking (Urology) https://health.usnews.com/best-hospitals/rankings/urology (sales data on file).

We work how you work

UroNav fusion biopsy system combines electromagnetic tracking and navigation, similar to the GPS in your car, with an onboard computer and a real-time imaging interface in one easy-to-use, mobile workstation. A small, localized electromagnetic field is generated and used in conjunction with a navigation sensor mounted to your existing ultrasound transducer*. Simply position the navigation system above the patient and you're ready to take advantage of UroNav's simple, guided workflow – which follows the same TRUS biopsy procedure that you are used to.

UroNav navigation sensor is mounted to your existing TRUS probe.*

The UroNav electromagnetic field generator is positioned above the patient's pelvis.

We have you covered
from every angle

UroNav supports both transperineal and transrectal biopsy approaches - providing the flexibility necessary to incorporate fusion-guided biopsy into your preferred biopsy method. When UroNav is used in combination with the UroNav mobile stepper system and two navigation sensors, the system will automatically detect that a transperineal biopsy approach is being initiated. UroNav then presents an intuitive, guided workflow and interface optimized to support a transperineal biopsy.

***Contact Philips to ascertain compatibility with your system.**

Bringing it all together

UroNav interfaces directly with both DynaCAD Prostate and our clinical data management platform - connecting Radiology and Urology like never before. Prostate and lesion segmentation data from Radiology are quickly transferred to our data management platform for review and target identification prior to biopsy. Following the biopsy procedure, biopsy core location data, images, and videos can be viewed in our intuitive, browser-based interface. Digital pathology data can be added and reviewed anytime following the biopsy for a complete patient view to support treatment decisions based on established clinical pathways.

An intuitive timeline provides quick access to biopsy produced information - including core location data, regions of interest, as well as images and videos captured during the procedure.

DynaCAD Prostate provides the diagnostic MR information needed for the fusion biopsy. Post-biopsy core location data from UroNav can be sent back to Radiology and viewed on DynaCAD as a "reverse fusion" with a pre- or post-biopsy MRI.

The power of collaboration

Amazing things can happen when powerful minds are brought together through equally powerful technology. Philips continues to step outside the traditional boxes of healthcare to bring shared clinical knowledge, patient information, and imaging data together with a common goal – enhancing collaboration with a focus on the health continuum - because there's always a way to make life better.

30%
Improvement
in detection of
aggressive cancer[3]

[3]Siddiqui MM, Rais-Bahrami S, Turkbey B, et al. Comparison of MR/Ultrasound Fusion–Guided Biopsy With Ultrasound-Guided Biopsy for the Diagnosis of Prostate Cancer. JAMA. 2015;313(4):390-397.

Contact us
Phone number: US: +1 877-468-4861
E-mail: Worldwide: invivointernational@philips.com
www.philips.com/healthcare
www.invivocorp.com