




Answering the
Difficult
questions

A black and white photograph of a middle-aged man with short, graying hair, wearing light-colored medical scrubs. He has his arms crossed and is looking directly at the camera with a serious expression. The background is a soft, light purple gradient.

Urologists face the dilemma of patients with elevated and/or rising PSA levels and negative TRUS-guided biopsy results. Rather than keeping patients in an uncertain state, wouldn't it be great to have an alternative clinical solution that may help...

Answer the difficult questions...



inspired by a better way



Answering the **Difficult** questions

In partnership with radiology, a Urologist can now obtain image analysis and conduct targeted interventions with Invivo's complete clinical solution. This new technique takes advantage of the high resolution of MR images and offers the ability to target, under MR guidance, specific suspicious areas in the prostate.

Literature has shown that men with elevated or rising PSA or positive DRE with previous negative TRUS-guided biopsy may benefit from this approach.¹ This would also apply to men with elevated PSAs for whom prostate cancer recurrence is a concern. Invivo's new complete solution of hardware, instruments, DynaCAD for Prostate, analysis and interventional planning software makes accommodating these patients possible.

As an oncological urologist I'm very happy that my radiologist is able to do MR guided biopsies. Especially for the patients that have had several sessions of biopsies with negative results, with MR guided biopsies in our center, they only need a maximum of 4 biopsies at a detection rate of 59%.

Dr. Inge van Oort, Oncological Urologist

*Department of Urology
University Medical Center Nijmegen, The Netherlands*

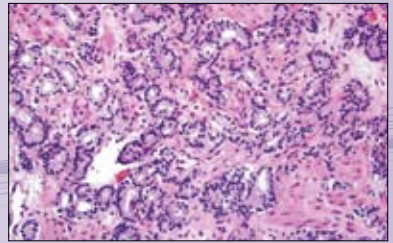
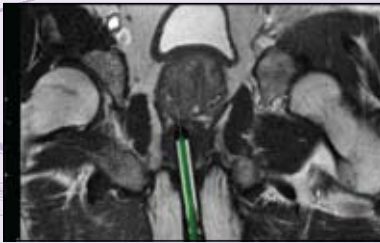
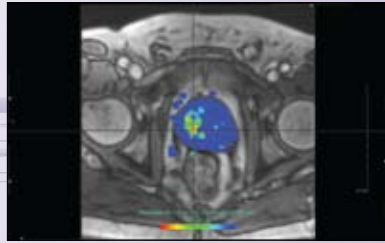
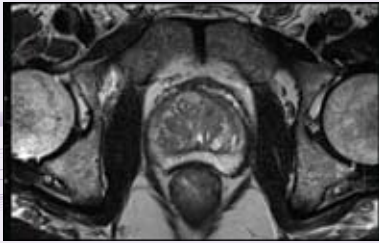
¹ Anastasiadis, A.G., Lichy, M.P., Nagele, U., Kuczyk, M.A., Merseburger, A. S., Hennenlotter, J., et al. (2006). MRI-Guided Biopsy of the Prostate Increases Diagnostic Performance in Men with Elevated or Increasing PSA Levels after Previous Negative TRUS Biopsies. *European Association of Urology*, 50, 738-749.



DynaCAD
for PROSTATE

Welcome to the first analysis and interventional system combined to give you an option for a better solution.

Analysis



... and Intervention!



Invivo

DynaCAD for Prostate puts at your fingertips:

- A powerful, easy to navigate image analysis system
- Faster image processing, opening ready-to-read
- A comprehensive summary report with all important aspects of the patient's study

The interventional hardware solution, **DynaTRIM** (Trans-Rectal Interventional MRI), allows for a targeted approach minimizing the number of cores acquired by using true image guidance.

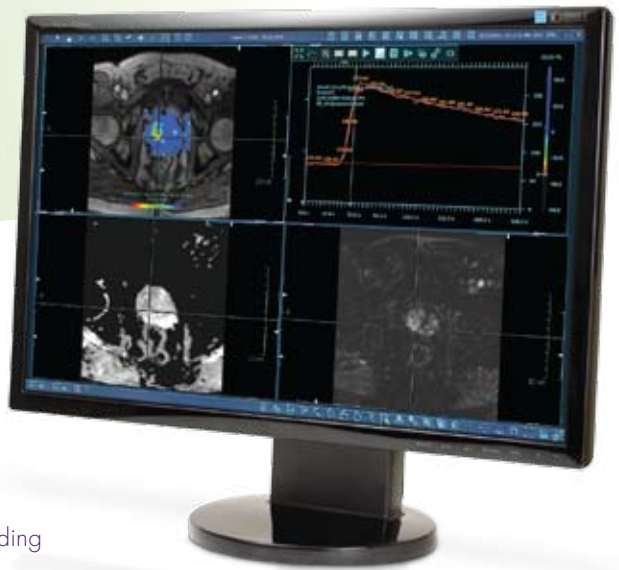
DynaTRIM is comprised of three elegantly simple components:

- Baseplate
- Clampstand
- Sterile, single-use, disposable needle sleeve



DynaTRIM Device

DynaTRIM combined with Interventional planning software allows for fast, simple, reproducible targeting.

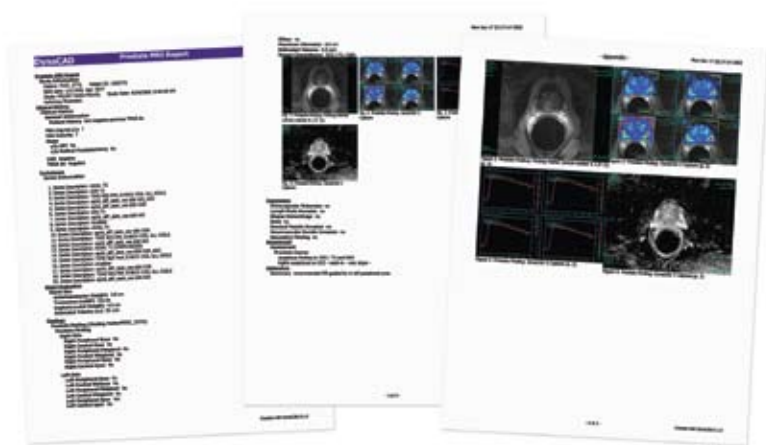


- To plan a biopsy, the finding is identified on the previous diagnostic MRI study and additional anatomic landmarks are noted
- The patient lies prone on the coil of your choice and the needle sleeve is inserted into the rectum and attached to the clamp stand (device), following digital rectal exam
- New MR images of the pelvic area are acquired in the sagittal plane allowing visualization of the pelvic organs and the needle sleeve in place
- The unique needle sleeve functions both as a guide for the needle and as a fiducial marker for the software
- Invivo's fully-automatic, MRI-compatible 18g biopsy guns are available in 150mm and 175mm lengths to access difficult targets with ease
- Once positioned the biopsy cores are extracted

DynaCAD's powerful, flexible interface and DynaTRIM can become an important part of any busy practice interested in prostate imaging and intervention.

Adding information to your clinical workup increases confidence by...
Answering the Difficult Questions.





inspired by a better way

For more information about **DynaCAD for Prostate** or any of the Complete Solution products from Invivo, please call us at 1-800-331-3220, or visit our website at www.invivocorp.com

Invivo Corporation

Orlando, FL U.S.A
T: 800-331-3220
T: 407-275-3220
E: info@invivocorp.com

Europe:
T: +31 (0) 499 378624
contact@invivocorp.com

*Products, services and technical specifications are subject to change without notice.
©2009 Invivo Corporation
All Rights Reserved. 580245 Rev 01*