

PHILIPS

Oncology solutions

DynaTRIM

Targeted prostate biopsy guidance with DynaTRIM

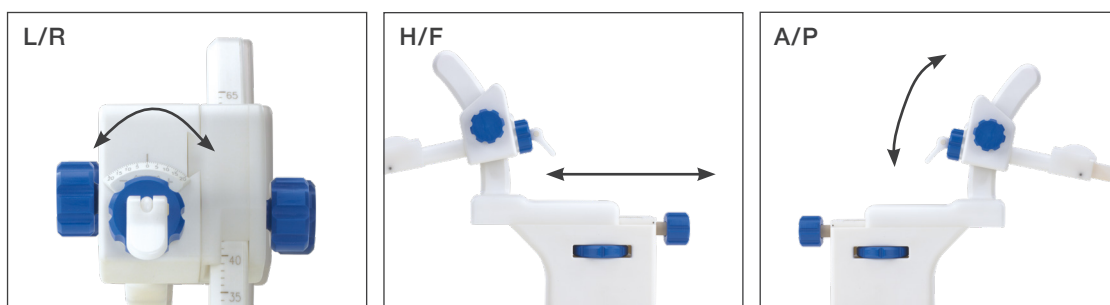
DynaTRIM by Philips is a fully MRI-compatible interventional device for Trans-Rectal Interventional MRI (TRIM) of the prostate gland. Adjustable in six directions for precision targeting, DynaTRIM works with DynaCAD Prostate to provide targeted biopsy guidance.



The DynaTRIM device is comprised of three simple components: a Baseplate that adapts to the MRI gantry, a Clampstand which connects to the baseplate and offers multiple precise adjustments for location targeting, and a sterile, single use needle sleeve which affixes to the Clampstand and guides the biopsy needle to the targeted site.

Highly adjustable for added accuracy

Multiple directional adjustments help clinicians access all areas of the prostate gland. Once adjusted, the device can be locked into position, providing added confidence to biopsy procedures.



DynaTRIM moves in multiple directions for precise adjustments



Enhanced workflow for biopsy procedures

DynaTRIM works in tandem with DynaCAD's DynaLOC Prostate interventional planning software to pin-point suspicious areas previously identified during a diagnostic prostate MRI exam.

DynaTRIM biopsies require the patient to lie prone, allowing the needle sleeve to be inserted into the rectum. MR images of the pelvic area are then acquired in the sagittal plane, allowing visualization of the pelvis with the needle sleeve in place. Axial plane images are also acquired to help identify the suspicious area.



DynaLOC biopsy guidance

Targeted biopsies

Once the target has been chosen, users localize target locations using DynaLOC, which then displays the adjustments to make on the DynaTRIM device and also displays the projected path of the biopsy needle. A pre-biopsy verification scan is used to verify the needle guide's position relative to the target area. The disposable needle guide functions as both a guide for the biopsy needle and as a fiducial marker for the DynaLOC software. A biopsy needle is inserted through the needle guide and biopsy cores are acquired.

A comprehensive approach

DynaCAD Prostate's powerful, flexible interface alongside DynaTRIM help provide a precise, targeted approach to prostate biopsies.