



Insights to Inform Decisions

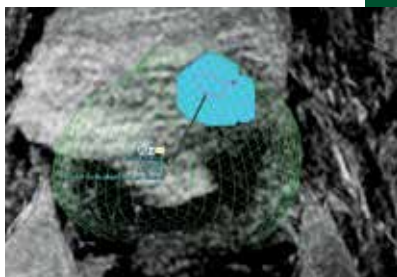
# **UHealth MRI Prostate Care Program**

# In Prostate Care, Precision Counts.

**One of every six men** in the United States will be diagnosed with prostate cancer during their lifetimes. An accurate evaluation is the crucial first step in selecting appropriate options.

Among the most promising new diagnostic technologies to evaluate prostate cancer is state-of-the-art prostate MRI and MRI/Ultrasound fusion biopsy. And UHealth – University of Miami Health System is the first health care provider in South Florida to offer it.

UHealth and Sylvester physicians and surgeons at UHealth Urology and Sylvester Comprehensive Cancer Center also offer South Florida's most extensive experience in interventional and surgical treatments for prostate cancer, including highly precise procedures performed with the very latest robotic surgical system, the da Vinci Xi.



## The First Challenge: Precise Diagnosis

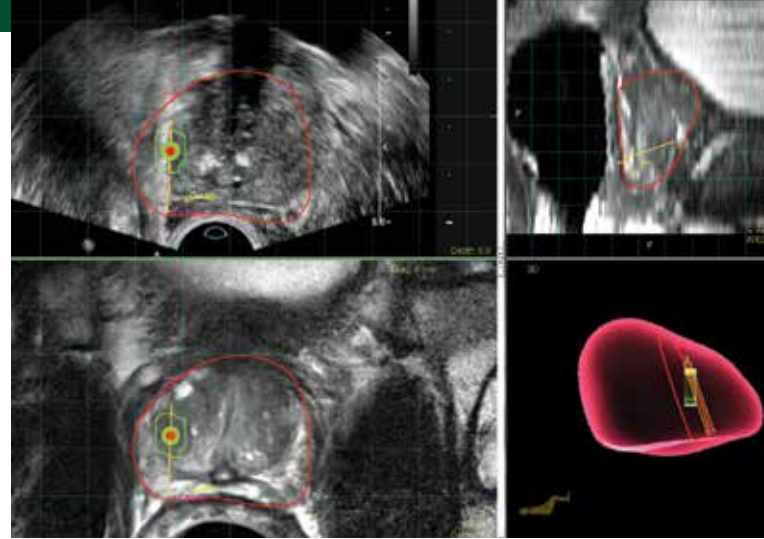
While some prostate malignancies can be safely observed over a period of time before medical action is taken—a tactic known as active surveillance or watchful waiting—others require immediate treatment.

Because it is difficult to visualize prostate cancer on standard ultrasound, diagnosis usually relies on prostate biopsy, which involves random sampling of the gland to look for cancer.

However, this approach may fail to sample from the most aggressive tumor or miss the malignancy entirely.

## MR/US Fusion: A Powerful New Tool

MR/ultrasound biopsy is poised to become the new standard in prostate care. The technology fuses pre-biopsy MR images of the prostate with ultrasound-guided biopsy images in real time. This novel approach has shown excellent accuracy for visualizing the prostate gland and localizing tumors that may be present within.



## Advantages of MR/US Fusion-Guided Prostate Biopsy

- High degree of specificity in identifying areas within the prostate gland that are suspicious for harboring cancer
- Ability to better target the suspicious areas, reducing the number of tissue samples acquired
- Reduced risk of infection, bleeding, pain and recovery time
- Earlier, more precise detection and more informed decision-making

## Who Can Benefit

- Any man considering or planning biopsy of the prostate for risk of prostate cancer
- Men who have received a negative prior trans-rectal ultrasound-guided biopsy with continued elevation of or rising PSA
- Men who have been diagnosed with a non-aggressive tumor who are on active surveillance, to ensure an accurate sampling of the gland

## A Promising New Approach to BPE

Enlarged prostate, or benign prostatic enlargement (BPE) affects more than half of all men over 60 years of age, causing discomfort, difficulty with urination, and other symptoms.

The University of Miami Miller School of Medicine is participating in a multicenter, international trial of a new, minimally invasive treatment for BPE known as Prostate Artery Embolization (PAE). PAE offers the potential to provide significant improvement in BPE symptoms and overall quality of life.

In PAE, a fluid with very tiny particles is injected into the arteries of the prostate. This reduces the flow of blood to the area, in turn reducing the size of the prostate and symptoms of BPE.

The randomized clinical trial, a collaboration of University of Miami interventional radiologists and urologists, evaluates the results of PAE vs. TURP (trans-urethral resection of prostate, the surgical gold standard for treatment of BPE). University of Miami Health System is the only healthcare provider in South Florida offering PAE as part of the study.

**For more information on the PAE study, call 305-243-3404 or 305-243- 4917.**





## Your Next Steps

If you think you may benefit from prostate MRI and MR/ultrasound fusion biopsy:

- Contact your physician to schedule your annual prostate examination.
- If your prostate examination reveals elevated PSA levels that may be associated with prostate cancer, ask your primary care physician or your urologist about prostate MRI and MRI/ultrasound fusion biopsy.
- Find out about the outstanding treatment outcomes and array of options available for the care of prostate and other urologic cancers at University of Miami Health System.

**To learn more about state-of-the-art prostate care at UHealth, visit [uhealthurology.com](http://uhealthurology.com).**

**To schedule an appointment, please call [305-243-6090](tel:305-243-6090).**



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