

EXACTVU™

Micro-Ultrasound Technology
A New Era in Urologic Imaging

- + See.
- + Characterize.
- + Target.
- + Treat.

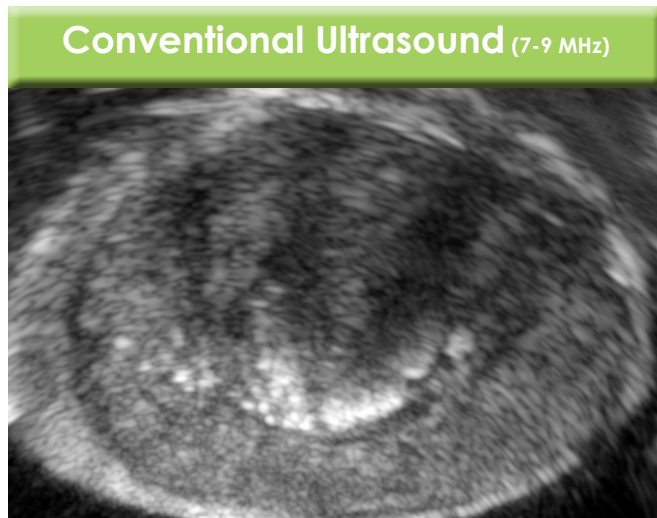




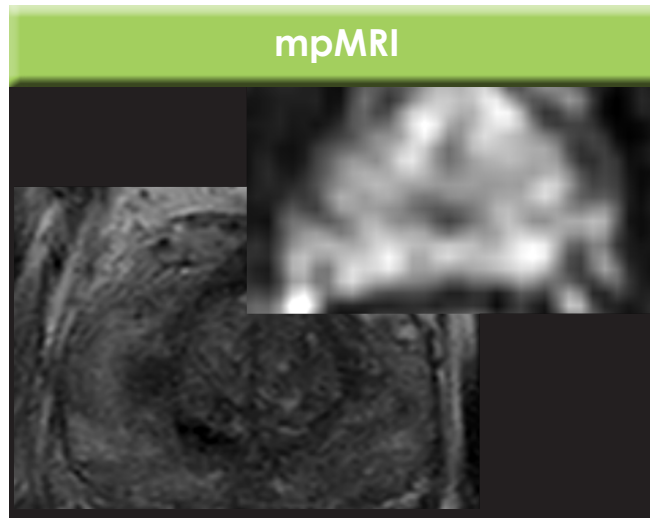
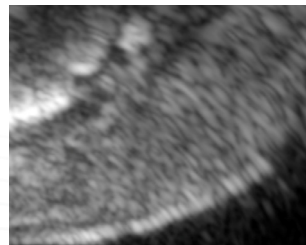
See.

Side-by-Side Comparison: Conventional Ultrasound, MRI and Micro-Ultrasound

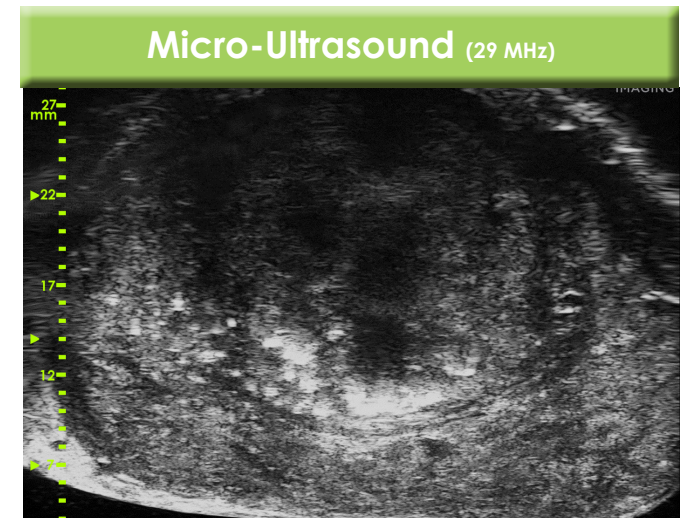
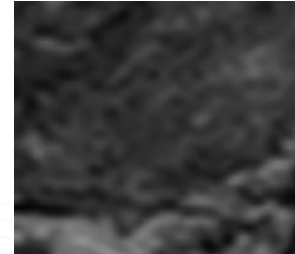
ExactVu™, the only **29 MHz micro-ultrasound system, delivering 300% improvement in resolution** for unmatched clarity and confidence. The case below shows three views of the same prostate and reveals the sharp detail of micro-ultrasound compared to other modalities.



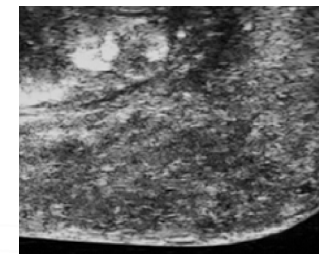
No area of concern observed on ultrasound (isoechoic)



No area of concern observed on MRI



Concerning area with mottled appearance observed on micro-ultrasound



Most ducts are too small to be visualized under conventional US, but **can be visualized under microUS.**

Pensa J, et al. EMBC 2022

252 patients were diagnosed with PCa solely on targeted cores. Among these, **25 csPCa cases were identified exclusively by microUS-targeted** and 4 by MRI-targeted biopsies.

Avolio et al. Urologic Oncology, 2025




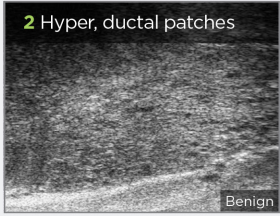


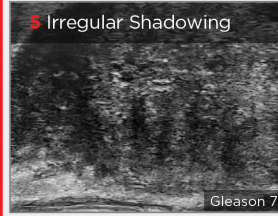

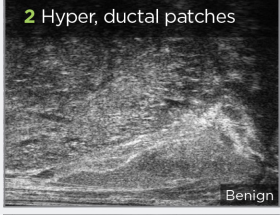
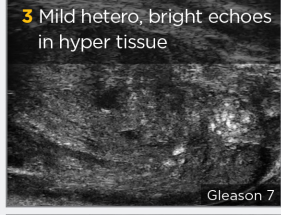






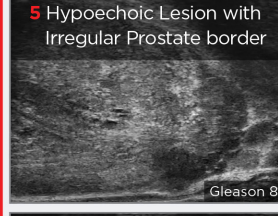

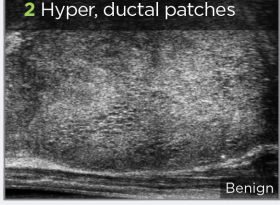


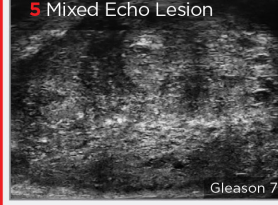
Confirmed Gleason Grade Group 3 (4+3) PCa (80% pattern 4 with extensive cribriforming)



Characterize.

Validated Protocol: Precision Risk Assessment with Micro-Ultrasound

PRI-MUST™, **Prostate Risk Identification using Micro-Ultrasound**, is a proven, evidence-based protocol that leverages micro-ultrasound to pinpoint key sonographic features of the prostate, helping urologists confidently characterize areas of concern.

SYSTEMATIC BIOPSY		TARGET SUSPICIOUS REGION		
1 PRI-MUS 1	2 PRI-MUS 2	3 PRI-MUS 3	4 PRI-MUS 4	5 PRI-MUS 5
 1 "Swiss Cheese" Benign	 2 Hyper, ductal patches Benign	 3 Mild hetero, bright echoes in hyper tissue Benign	 4 Bright Echoes ("Starry Sky") Gleason 8	 5 Irregular Shadowing Gleason 7
 1 "Swiss Cheese" Benign	 2 Hyper, ductal patches Benign	 3 Mild hetero, bright echoes in hyper tissue Gleason 7	 4 "Cauliflower" Gleason 8	 5 Mixed Echo Lesion with Irregular Prostate border Gleason 9
 1 "Swiss Cheese" Benign	 2 Hyper, ductal patches Benign	 3 Mild hetero, bright echoes in hyper tissue Gleason 7	 4 "Smudgy/Mottled" Gleason 7	 5 Hypoechoic Lesion with Irregular Prostate border Gleason 8
 1 "Swiss Cheese" Benign	 2 Hyper, ductal patches Benign	 3 Mild hetero, bright echoes in hyper tissue Gleason 7	 4 Bright Echoes ("Starry Sky") Gleason 7	 5 Mixed Echo Lesion Gleason 7

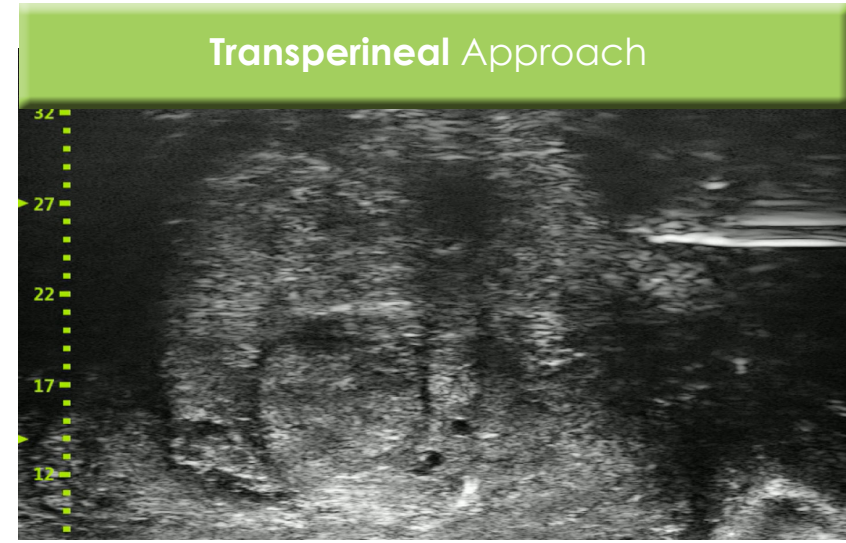
* The initial PRI-MUS protocol was validated with data from 400 micro-ultrasound biopsy-based cine-loops matched to pathological results. The accompanying study has been published: Ghai, S. et al. Journal of Urology 2016.



Target.

Targeted Prostate Biopsies: No MRI Required

Our patented 29MHz probe allows clinicians to perform both **transrectal and transperineal prostate biopsies** with precision, efficiency, and confidence in every procedure. With results of the **OPTIMUM Randomized Clinical Trial** confirming **ExactVu™ micro-ultrasound-guided biopsy is non-inferior to MRI fusion-guided prostate biopsy**, urologists have new options available for accurate, real-time biopsy procedures.

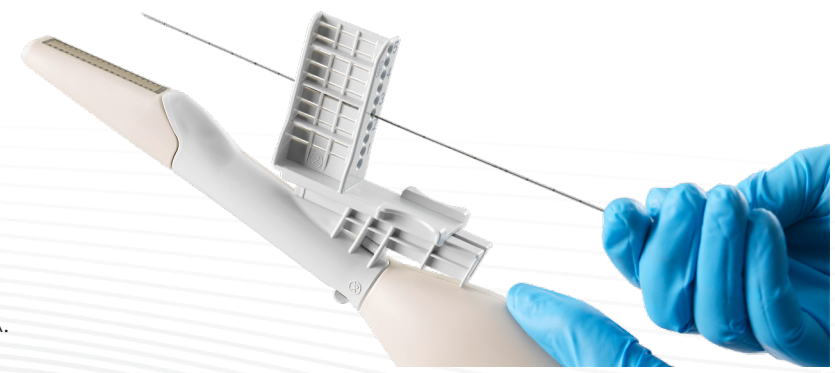


The use of micro-ultrasound-guided biopsy was **non-inferior to MRI/conventional ultrasound fusion-guided biopsy** in the detection of Gleason Grade Group 2 or higher prostate cancer in biopsy-naïve men.

Kinnaird et al. JAMA 2025



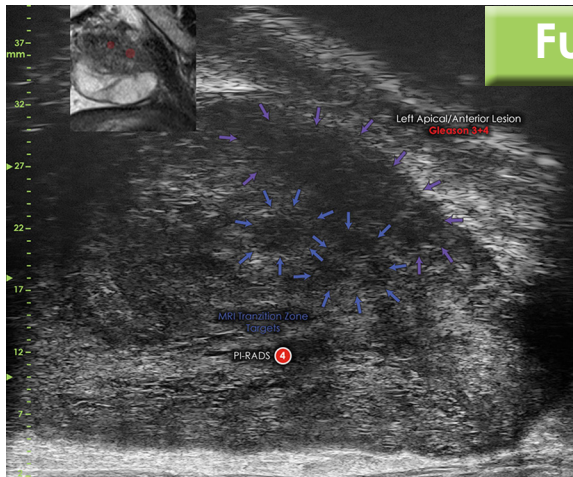
Scan to read the OPTIMUM Trial results in JAMA.



Target.

Targeted Prostate Biopsies: Fast, Accurate & Reliable Fusion Workflows

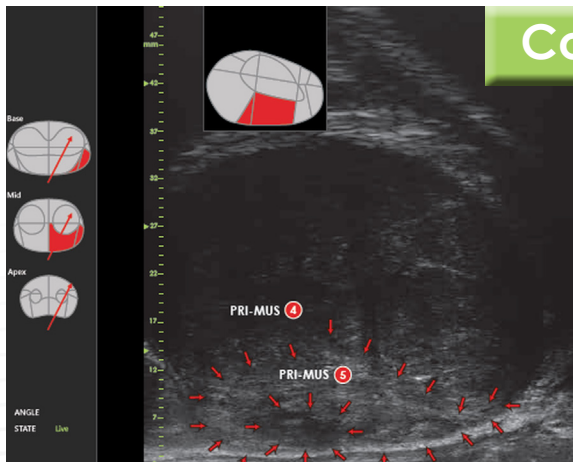
For those with access to high-quality, well-interpreted MRI, the ExactVu™ platform offers two solutions to help urologists biopsy MRI-identified lesions with greater precision. **MRI and micro-ultrasound have been shown in multiple studies to be complementary,** resulting in higher detection rates compared to standard fusion workflows.



FusionVu™ - Full image-based Fusion

FusionVu™ offers elastic fusion, with **sensors embedded directly in the probe** for accurate tracking. Its **3D elastic registration** ensures precise alignment, enabling fast and reliable targeted biopsy guidance.

- + Ideal when physicians want **real-time MRI image overlays** and detailed anatomical matching for targeting.
- + **Precise anatomical alignment** adding confidence in lesion targeting.



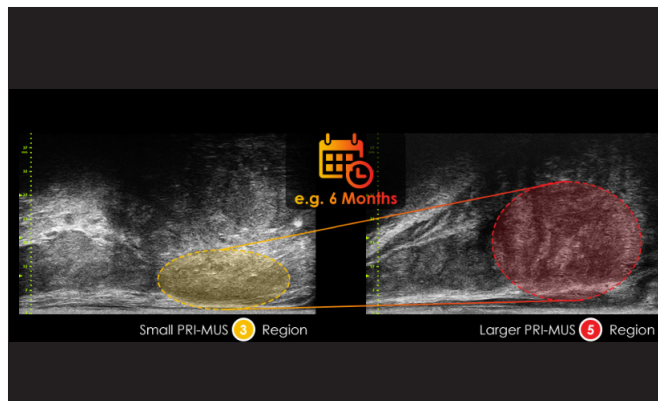
Cognitive Assist™ - Report-Based Fusion

Cognitive Assist™ **leverages the MRI lesion data from the PI-RADS report** to create an overlay while urologists scan the prostate in real time with ExactVu™ providing anatomical guidance.

- + Ideal when radiology reports describe lesion location, but MRI images are **unavailable**.
- + Fast, simple workflow as it **only requires the MRI report**, not the full image dataset.

See Clearly: Your Patient's Journey

Ongoing research confirms **ExactVu™ supports a wide range of clinical applications** for urology practices, from active surveillance and focal therapy guidance to surgical planning, making it a versatile platform that grows with the evolving needs of modern prostate care.

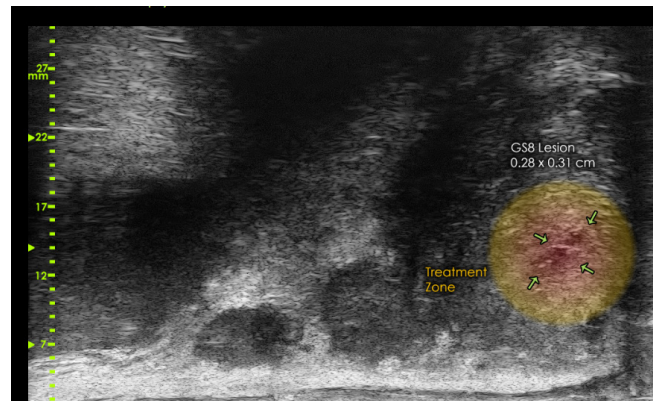


Active Surveillance

Routine visualization and tracking of suspicious areas with precision.

Real-time imaging for informed decision-making and accurate monitoring.

Enhances patient confidence knowing their condition is being safely managed by their physician.

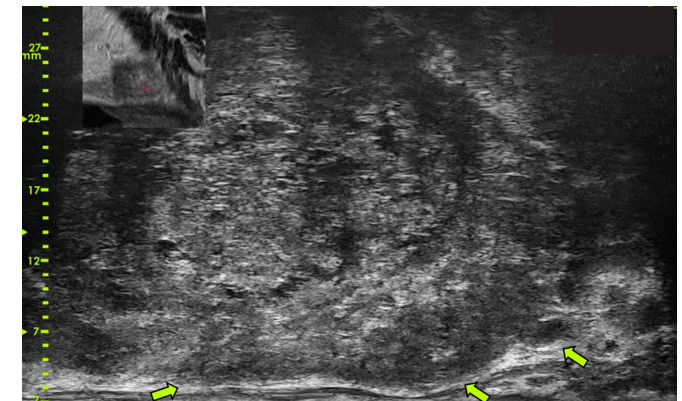


Focal Therapy Guidance

Accurate lesion identification and localization with high-resolution imaging.

Precise guidance for therapeutic planning, delivery and follow-up.

Complements a variety of treatment techniques including IRE, FLA, cryoablation, etc.



Pre-Surgical Planning

High-resolution visualization to clearly define lesion location and extent.

Pre-surgical mapping allows physicians to implement measures to preserve healthy tissue.

Patient-specific treatment strategies available to physicians by leveraging ExactVu's precision imaging.



Scan to discover our comprehensive library of clinical research.

Distinct Advantage.

Next Generation Prostate Imaging and Biopsy Platform

With over **300 installations worldwide**, ExactVu™ is the next-generation prostate imaging and biopsy platform, delivering unmatched resolution and performance that outpaces conventional fusion systems.



	Conventional Fusion Systems	EXACTVU
See Abnormalities & Assess Cancer Risk	—	✓
Screening	—	✓
Elastic Fusion	✓	✓
Simple Fusion Procedure	—	✓
MRI Markup Software Included	—	✓
Active Surveillance	—	✓
Focal Therapy Guidance	✓	✓
Surgical Planning	—	✓
Post Treatment Follow-up	—	✓

Become a Master.

EXACTVUTM Mastery Program

This comprehensive training program is included with every ExactVuTM purchase. Our commitment extends beyond installation. We are focused on providing comprehensive education and feedback to ensure clinicians achieve optimal use of the micro-ultrasound platform. **Participation in our Mastery Program drives improvements in detection, enhancing patient outcomes.**

Mastery is as Easy as 1, 2, 3.

eLearning

1

Complete online training modules in an average of 2 hours.

Facilitated Cases

2

In-person case support at your practice to ensure confidence and success with your procedures.

Feedback & Certification

3

Regular feedback provided to reinforce proper techniques to ensure consistent, world-class results.

With Proven Results.

Cancer Detection Rate

44%

Average improvement in significant PCa detection after ExactVuTM Mastery Certification.

100%

of users increased PCa detection after ExactVuTM Mastery Certification.

Cash et al. (2022) SIUJ



Jeffery Glocer, MD,
ExactVuTM Expert
Mastery Program Certified

Expert Validation.

Trusted by Urologists, Proven in Practice

ExactVu™ is **backed by real-world experience and clinical expertise**. ExactVu™ users are achieving greater precision, confidence, and outcomes in prostate imaging and biopsy.

"Microultrasound presents a promising technology for further improving urological imaging and allows for the possibility of returning prostate cancer imaging to urologists."

Niklas Harland, MD, Arnulf Stenzl, MD
University Hospital Tübingen, Tübingen, Germany

"If you are referred to a urologist and a biopsy is suggested, I recommend asking for the high-resolution micro-ultrasound imaging to guide your biopsy. Allowing your urologist to see more makes a difference. The ExactVu system saved my life."

Rob, 50-year-old ExactVu™ patient

"An advantage of high-resolution ultrasound is we're doing it in our office, with local anesthetic, it is much quicker than MRI itself, and it saves the patient from having two separate procedures with two separate doctors, we are doing it all in one setting."

Gregg Eure, MD
Urology of Virginia, VA

"With micro-ultrasound, it gives a much higher resolution of abnormal tissue and I am able to direct my biopsies toward these abnormal areas. If I can do that, then I have a much higher likelihood of detecting significant cancers."

Neal Shore, MD, FACS
Atlantic Urology, Myrtle Beach, SC





The Practical Solution for Prostate Care.

ExactVu™ provides urologists with a comprehensive, real-time imaging platform that supports screening, targeted biopsies, active surveillance, focal therapy guidance, and surgical planning, all in a single device.





+ See.

300% increase in resolution, visualize prostates of any size.

+ Characterize.

Evidence-based guidance to definitively identify levels of suspicion.

+ Target.

Precise targeting with or without MRI.

+ Treat.

Precision imaging to support every stage of prostate care.

References:

1. Ghai S, Pavlovich CP, Klotz L, Ghai E, Wiemer LM, Lughezzani G, et al. Assessing cancer risk on novel 29 MHz micro-ultrasound images of the prostate: creation of the PRI-MUS (Prostate Risk Identification Using Micro-Ultrasound) protocol. *J Urol*. 2016 (in press, June);196(2)
2. Avolio PP, Piccolini A, Saitta C, Fasulo V, Maffei D, Moretto S, Cella L, Beatrice E, Chiarelli G, Paciotti M, Saita A, Hurler R, Casale P, Buffi NM, Lazzeri M, Lughezzani G. Enhanced diagnostic accuracy of micro-ultrasound in prostate cancer detection: An updated series from a single-center prospective study. *Urol Oncol*. 2025 Aug;43(8):470.e19-470.e26. doi: 10.1016/j.urolonc.2025.03.012. Epub 2025 Apr 23. PMID: 40268558.
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4. Kinnaird A, Luger F, Cash H, Ghai S, Urdaneta-Salegui LF, Pavlovich CP, et al; OPTIMUM Investigators. Microultrasonography-Guided vs MRI-Guided Biopsy for Prostate Cancer Diagnosis: The OPTIMUM Randomized Clinical Trial. *JAMA*. 2025 May 20;333(19):1679-1687. doi:10.1001/jama.2025.3579
5. Cash, H., Hofbauer, S. L., Shore, N., Pavlovich, C. P., Bulang, S., Schostak, M., Planken, E., Jaspars, J. J., Luger, F., Klotz, L., & Saloman, G. (2022). Prostate cancer detection by novice micro-ultrasound users enrolled in a training program. *SIUJ: The Societies of International Urology Journal*, 3(2). <https://doi.org/10.48083/KKVJ7280>

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