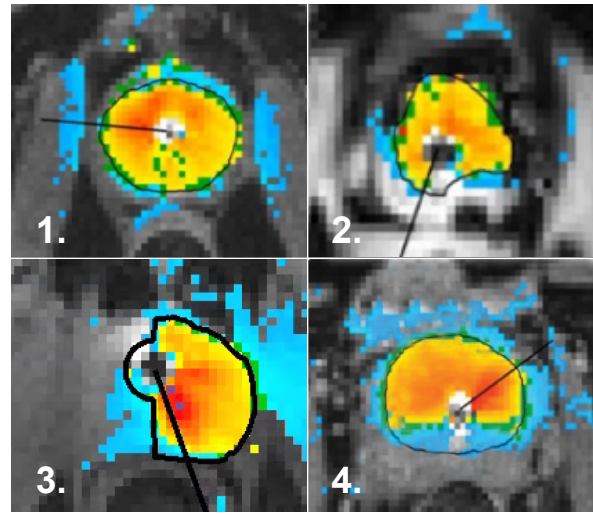


A prostate solution that is....

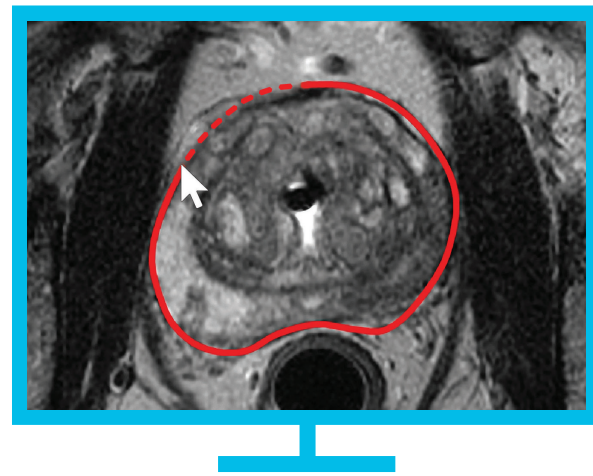
Customizable,

1. Whole gland ablation
2. Ablation post radiation failure
3. Targeted ablation
4. Targeted ablation of enlarged prostate with and without malignant lesion



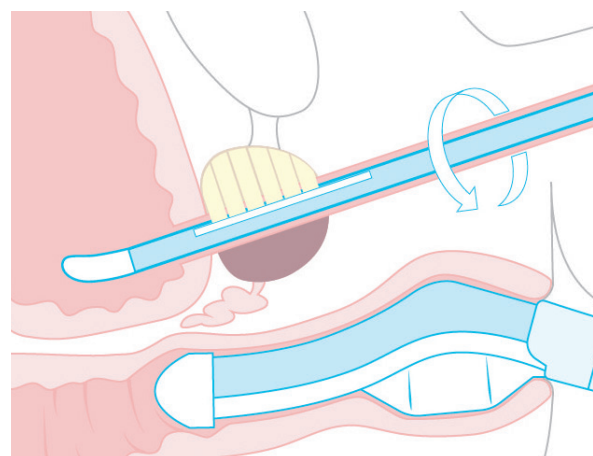
Predictable,

TULSA-PRO uses real-time inbore MRI for both treatment planning and treatment guidance. The physician draws the precise ablation boundaries during treatment planning. The autonomous robot then predictably rotates and controls the ablation as needed during treatment delivery.



Incision-free.

The physician reaches the prostate through the urethra.



TULSA BENEFITS

Customizable

The flexibility to treat each patient differently

Every patient has unique needs, TULSA-PRO allows physicians to customize, so each patient's life does not have to change.

The flexibility to treat prostates of different sizes

Tulsa can be used to ablate both large and small prostates.

The flexibility to treat different types of patients

Treat a variety of patients in one day.

Predictable

Physician defines the treatment plan and volume to be treated; the robot follows the instructions

Ablation process is automated, precise, and predictably avoids impacting healthy tissue.

Actively protects the urethra and rectum during treatment to preserve natural functions

Favourable safety profile based on Phase I and TACT clinical trial data.

Single short procedure with four treatments a day in routine practice

Actual treatment time is 1-2 cc/min; 2 h total treatment time.

Incision-free

Radiation-free treatment

High-intensity directional ultrasound is used to ablate tissue.

High throughput

Consistently treat 3-4 patients a day.

Transurethral inside-out ablation

The entire prostate is accessible (including anterior and posterior).

No energy directed through the rectal wall

Inherently safer than outside-in ablation therapy.

Patient tolerability

Minimal pain and fast recovery.

Cost savings

Reduced post-operative complication costs. MR suite is significantly less expensive to operate within than an operating room.

TULSA-PRO®

Inside-Out Prostate Ablation



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For more information regarding the regulatory status of the device in other jurisdictions, please contact us at info@profoundmedical.com
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PROFOUND

Transurethral Directional Thermal Ultrasound

PROFOUND

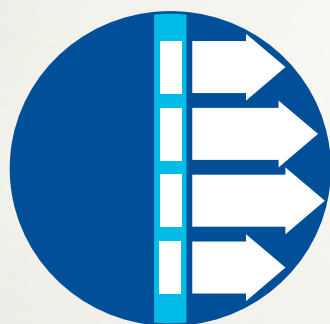
TULSA-PRO[®]

How we see.



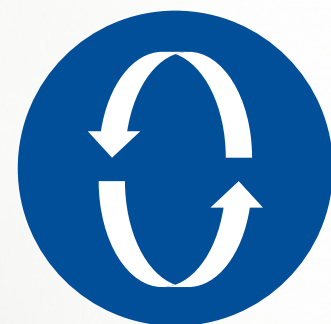
Real-time MRI Guidance

How we ablate.



Transurethral Directional Thermal Ultrasound

How we control.



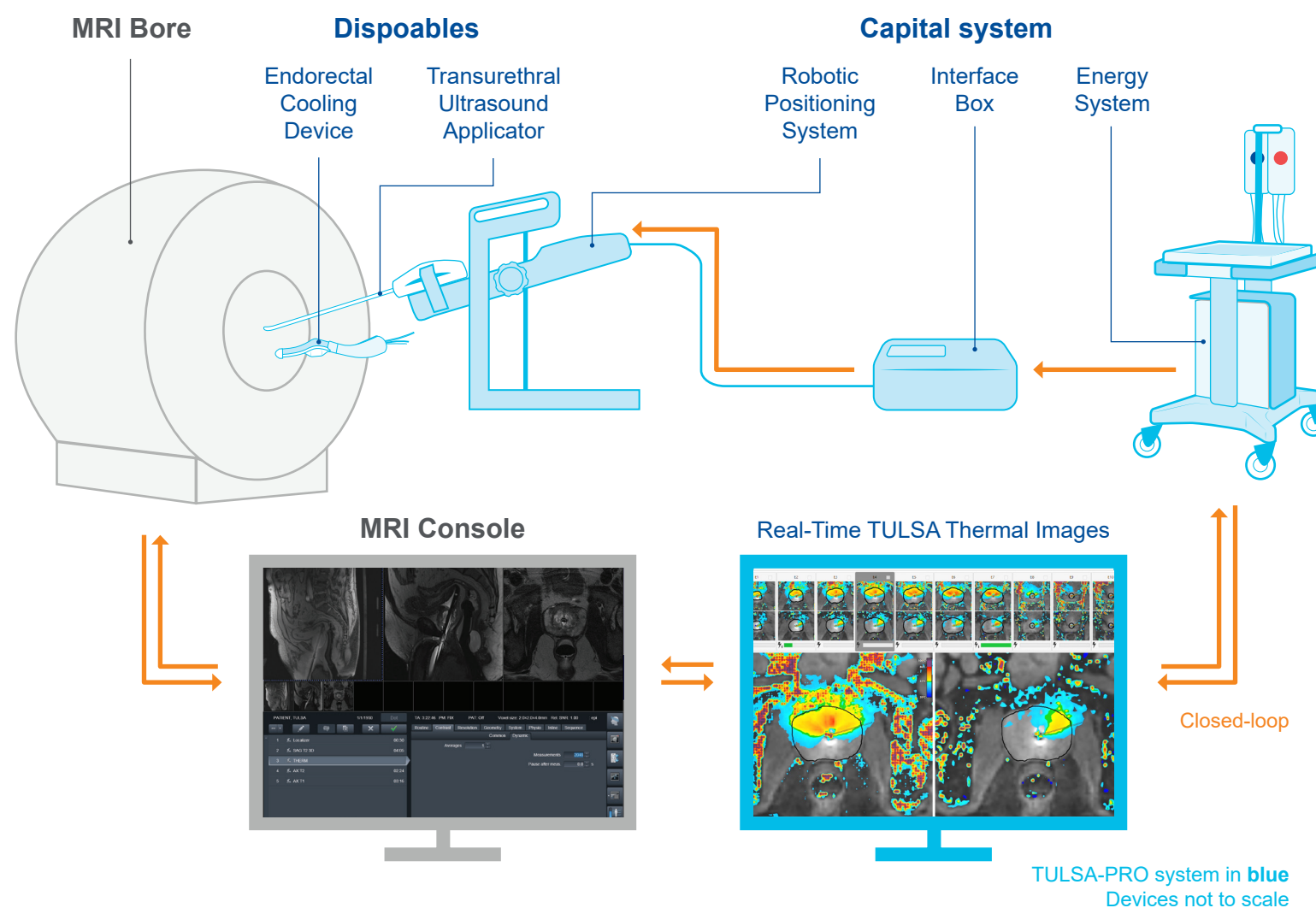
Closed-loop Thermal Feedback



TULSA-PRO[®] SYSTEM

“ Unlike other ultrasound systems...you can monitor the ultrasound ablation process in real-time and get immediate MRI feedback of the thermal dose and efficacy. ”

Dr. Steven S. Raman
Professor of Radiology, Urology and Surgery
David Geffen School of Medicine at UCLA
Los Angeles, CA



TULSA TREATMENT

“ ...treatment with TULSA-PRO[®] provides safe and effective prostate tissue ablation, with little impact on men's functional ability compared to well-established treatment modalities... ”

Dr. Christian Pavlovich
Professor, Urology and Oncology
Johns Hopkins University School of Medicine
Baltimore MD



Patient Selection

Patients who are MRI cleared are eligible to have the TULSA treatment.

Patient Prep & Positioning

While the patient is under general anesthesia, MRI guidance is used to ensure the ultrasound applicator and endorectal cooling device are positioned correctly inside the patient.

Treatment Planning

Using intraoperative in-bore MRI, the physician defines safety margins, guides robotic device positioning, and contours the targeted prostate tissue for each transducer element to define the treatment area and volume.

Treatment Delivery

TULSA-PRO combines real-time MRI thermometry and closed-loop control, allowing the physician to actively monitor tissue heating throughout the prostate and nearby critical structures. The system measures the ablation effect in real-time and, through continuous sweeping movement, automatically adjusts the energy delivery.

Treatment Confirmation

After treatment is complete, contrast-enhanced MRI confirms accurate ablation of prostate tissue.