ACUSON Maple ultrasound system

Access more for the fight against prostate cancer

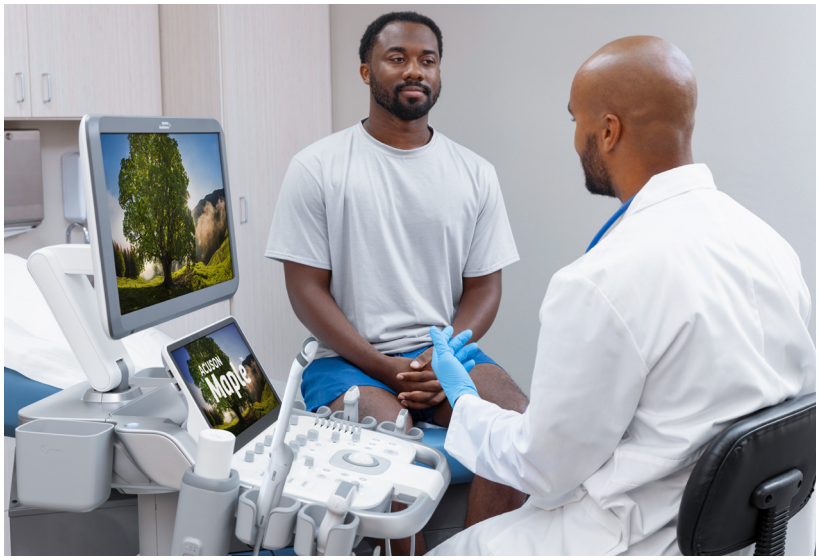
Release 2.0
siemens-healthineers.com/maple

Equipping urologists to take on a global health challenge

Prostate cancer is the second most common cancer in men worldwide and the fourth most common among global populations.

Urologists are on the front lines of this health challenge. Aging populations and disparities of incidence and mortality are calling for more access to screening and care.

To achieve this, urologists need access to the right tools powered by the latest health technology. Siemens Healthineers makes that access possible, empowering urologists to meet the scale of this global challenge with confidence.



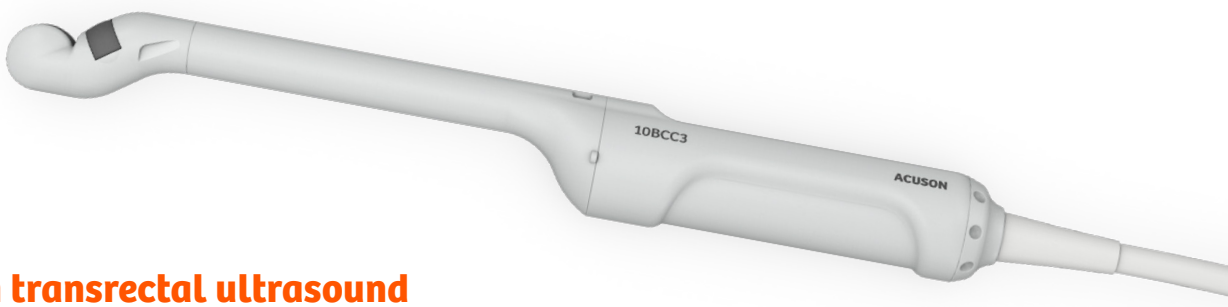
2nd most common cancer among men worldwide

4th most common cancer among global population

5th leading cause of cancer deaths worldwide

Statistics from the World Cancer Research Fund and American Cancer Society

SIEMENS Healthineers



Advances in transrectal ultrasound (TRUS) allow for more precision in prostate imaging

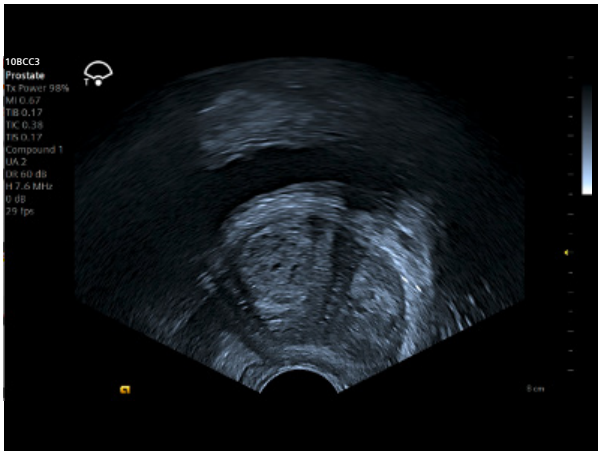
TRUS is a safe, minimally invasive imaging procedure in which a probe is inserted into the rectum to capture detailed images of the prostate. ACUSON Maple features the new 10BCC3 biplane transducer for TRUS.[1]

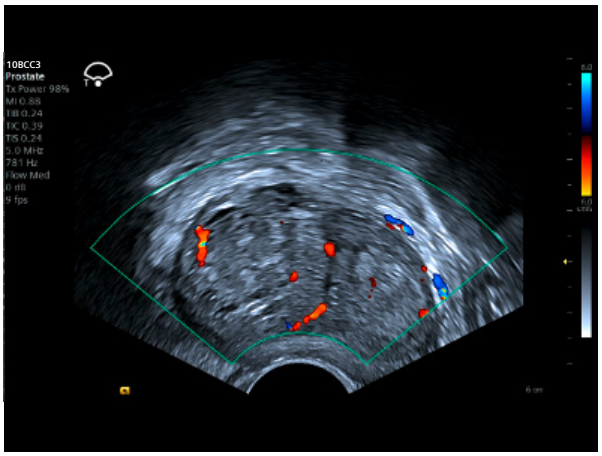
How can an advanced transducer increase your capability to detect prostate disease?

It provides clear, real-time visualization of soft tissues and surrounding organs — with no ionizing radiation and no surgical incisions — making it ideal for diagnosis and procedural guidance.[2]

For prostate imaging, this biplane transducer allows the user to image in both the sagittal and transverse planes at the same time.

- Two arrays with 96 elements per array that deliver superior image quality
- 164-degree field of view (FOV) images to 14 centimeters depth
- Lightweight ergonomically designed with solid, smooth surface for sterility and easy cleaning
- Reusable needle guide accepts between 16 and 18 gauge needles





Delivering precision where it matters most

Whether guiding a needle biopsy or evaluating prostate conditions, TRUS with the 10BCC3 biplane transducer enhances efficiency with quick procedures and minimal downtime — delivering precision where it matters most.

Minimally invasive
Avoids the need for surgical incisions

No radiation
Uses sound waves instead of ionizing radiation

Clear imaging
Provides clear images of soft tissues

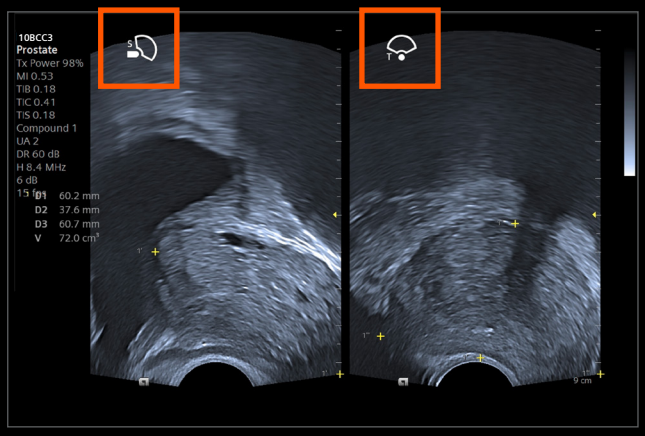
Real-time imaging
Offers real-time visualization in two planes simultaneously

Guidance
Assists in needle biopsies and other procedures

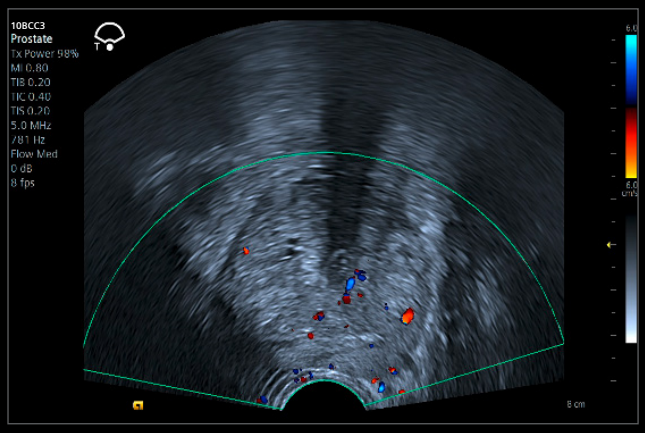
Diagnosis
Helps diagnose various prostate and pelvic conditions

Efficiency
Quick procedure with minimal downtime

Opening new doors to clinical confidence

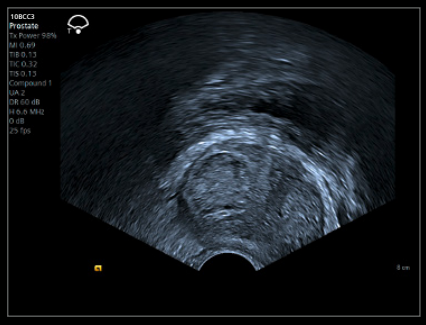


The side-by-side biplane view. S indicates the sagittal view and T the transverse view.

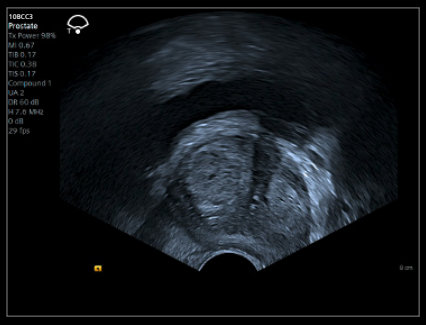


The transverse view of the prostate with color Doppler.

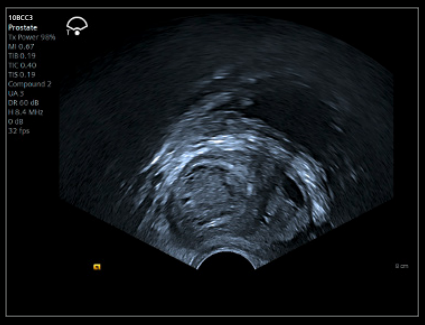
Accessing more performance and intelligence



Harmonic 6.6 MHz



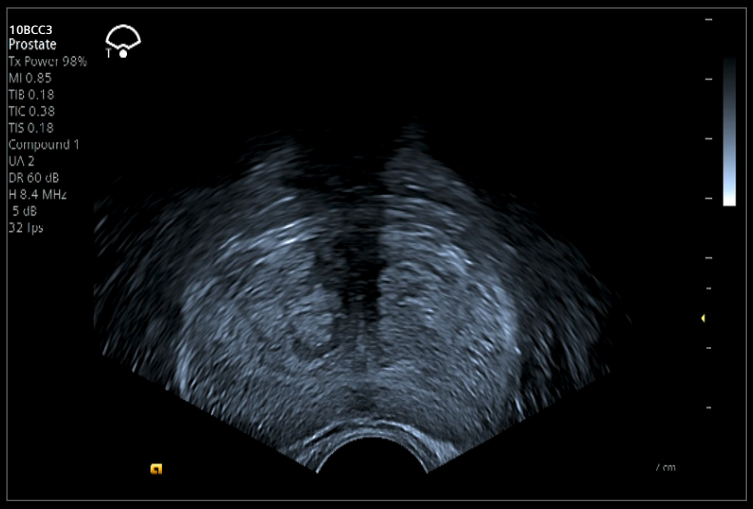
Harmonic 7.6 MHz



Harmonic 8.4 MHz

This example illustrates the impact of different harmonic settings.
Note the enhanced overall resolution in the 8.4 MHz image.

10BCC3 transducer
This image of the prostate displays the enhanced contrast resolution of the10BCC3 transducer.



The strengths of the ACUSON Maple ultrasound system respond to the scale of this challenge

Along with its TRUS upgrades, ACUSON Maple offers reduced weight and footprint for ease of use and less injury and fatigue. The system is backed by committed customer support, hardware durability, and seamless software upgrades.

We're in this together. Accessibility for a new era of ultrasound.

ACUSON Maple. Access more.

Endnotes

[1] Cleveland Clinic: Transrectal Ultrasound: Purpose, Preparation & Procedure. Available from: https://my.clevelandclinic.org/health/treatments/24518-transrectal-ultrasound

[2] Prostate cancer detection and diagnosis: NMR in Biomedicine, [Internet]. 2014;27(1):3–15. Available from: http://dx.doi.org/10.1002/nbm.3002

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