

**TOSHIBA
MEDICAL**



Aplio i800

Intuitive. Intelligent.
Innovative.

General Imaging



iBEAM
ARCHITECTURE

INTELLIGENT
DESIGN

INTUITIVE
WORKFLOW
SUPPORT

Aplio i800



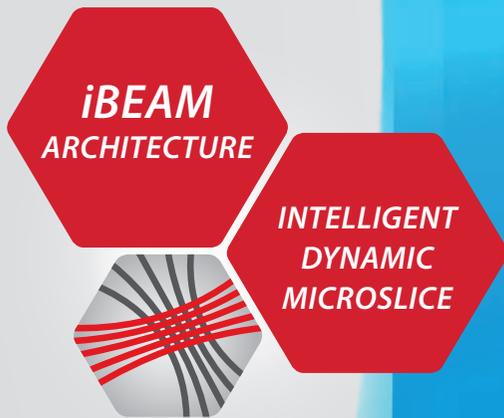
Magic inside

Aplio™ i800 is designed to deliver outstanding clinical precision and departmental productivity. Crystal-clear images with enhanced resolution and penetration as well as an abundance of expert tools help you get your diagnostic answer quickly and reliably.



Crystal-clear imaging, superior versatility

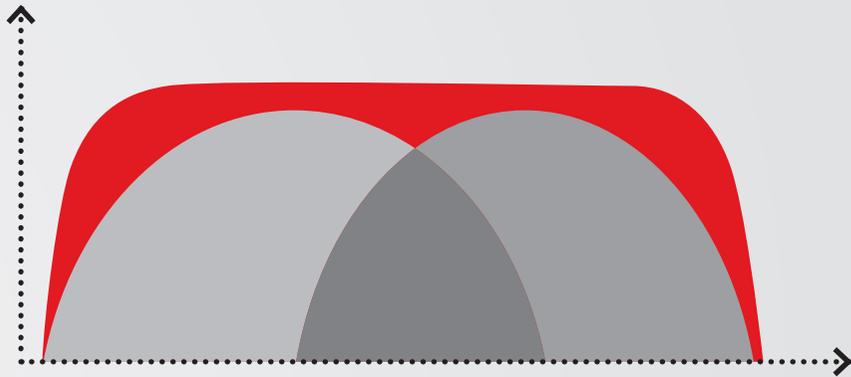
From the smallest to the toughest patients, Aplio iSeries' innovative iBeam architecture with dramatically increased processing power* provides outstanding imaging clarity and definition while significantly enhancing penetration.



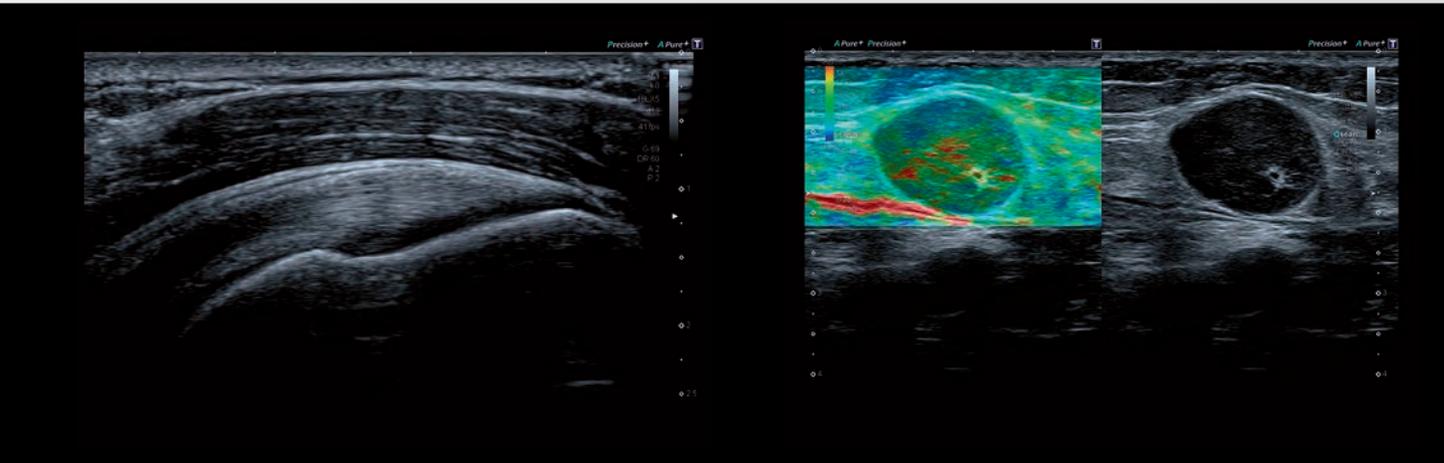
Aplio iSeries' Intelligent Dynamic MicroSlice technology reveals more detail by electronically sharpening the image slice thickness.



Better diagnostics starts here



Aplio iSeries' ultra-wideband i-series transducers cover the same bandwidth as two conventional transducers, providing superior sensitivity and resolution for both near and far field. While potentially helping to reduce costs, this innovative transducer design can provide better imaging regardless of the patient condition.



Ultra-Wideband Convex i8CX1



Ultra-Wideband Linear i18LX5



Ultra-Wideband Sector i6SX1

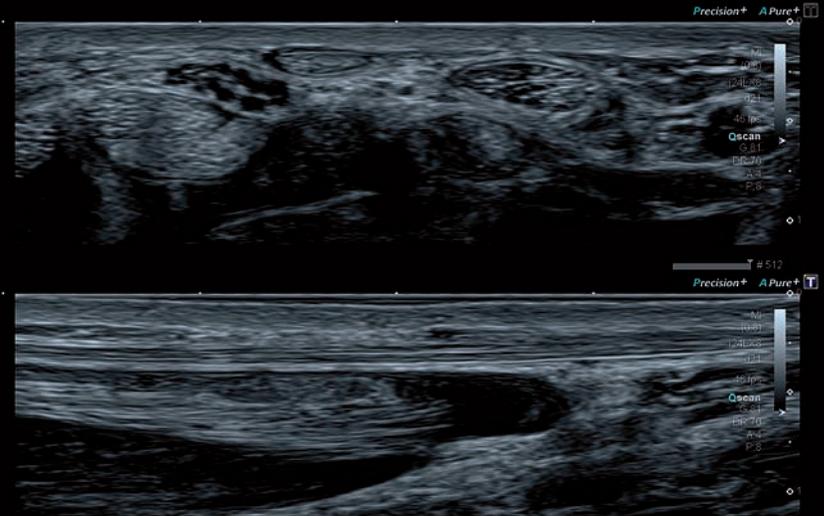


Enjoy the perfect picture

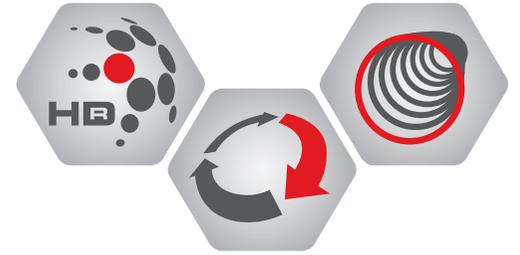
Each of Aplio iSeries' unique imaging technologies provides you with better image quality by reducing clutter, strengthening signal and improving visualization. All functions work hand in hand with other imaging modes for greater uniformity across all applications.



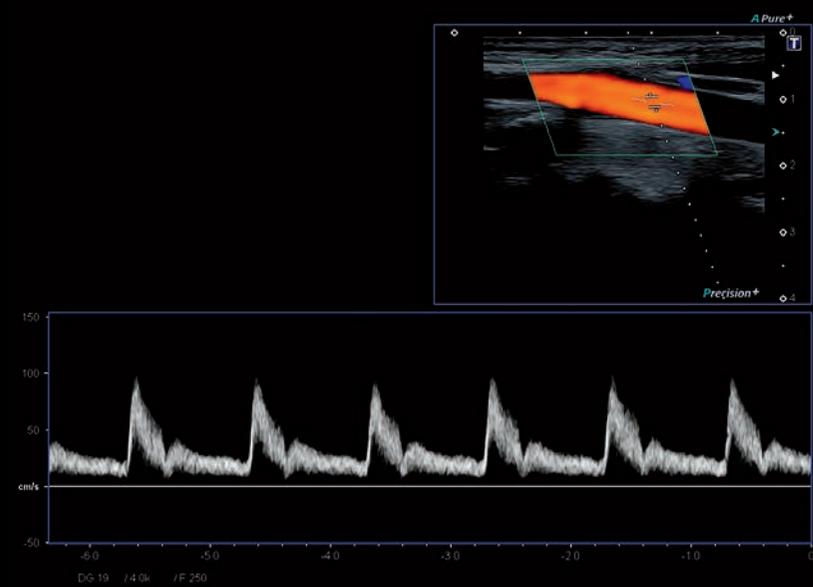
- Precision+ offers sharpened outline of lesions, enhanced image uniformity and reduced clutter.



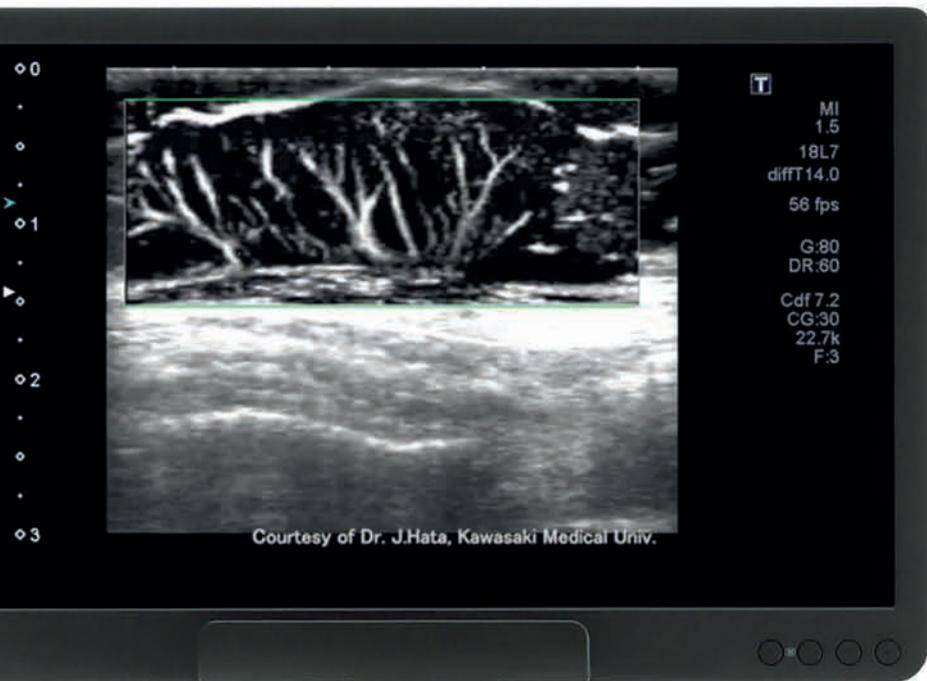
- ApliPure™+ compounding delivers increased imaging contrast and reduced speckle noise to improve visualization.



- Differential Tissue Harmonics provides harmonic images of superb spatial resolution, alongside greatly enhanced penetration.

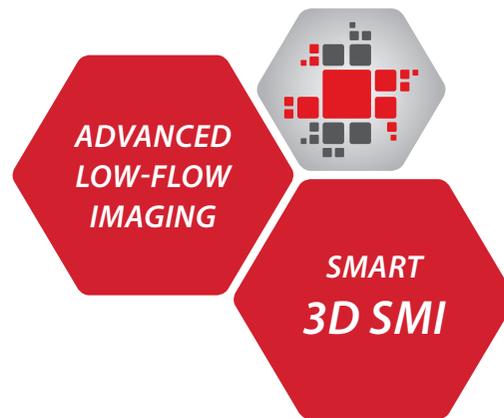


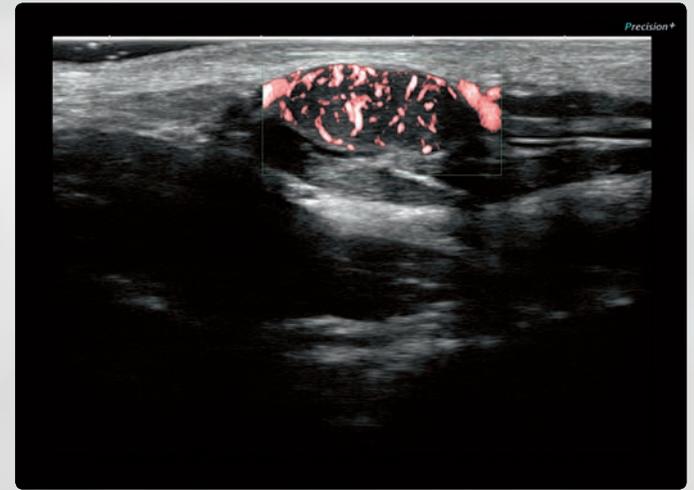
- Aplio's wideband transducer and signal processing technology delivers outstanding sensitivity, penetration and spatial resolution for all Doppler modes.



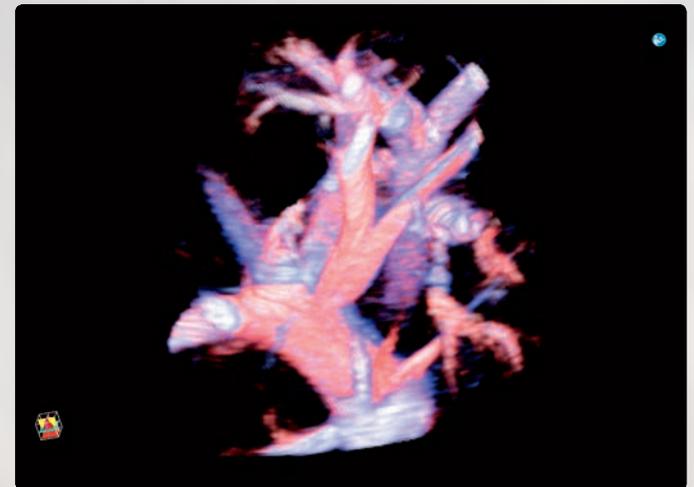
Seeing the unseen with SMI

Experience color flow imaging with superb detail and definition on Aplio i800. Superb micro-vascular imaging (SMI) expands the range of visible blood flow to visualize low-velocity microvascular flow never before seen with diagnostic ultrasound.





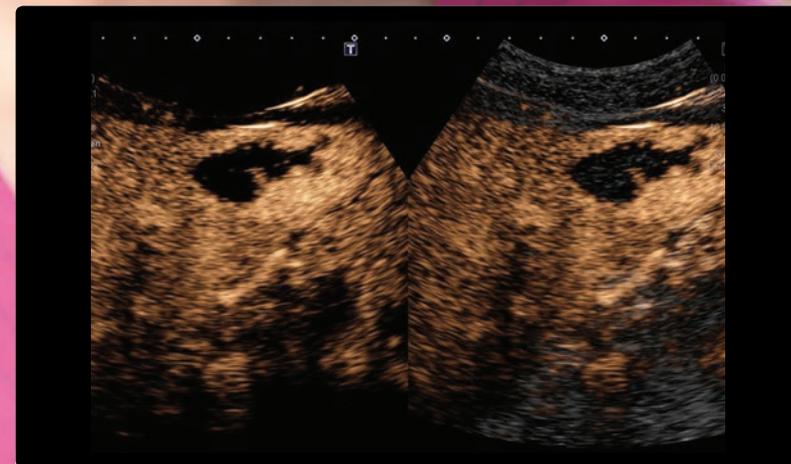
- SMI's level of vascular visualization, combined with high frame rates, advances diagnostic confidence when evaluating lesions, cysts and tumors.
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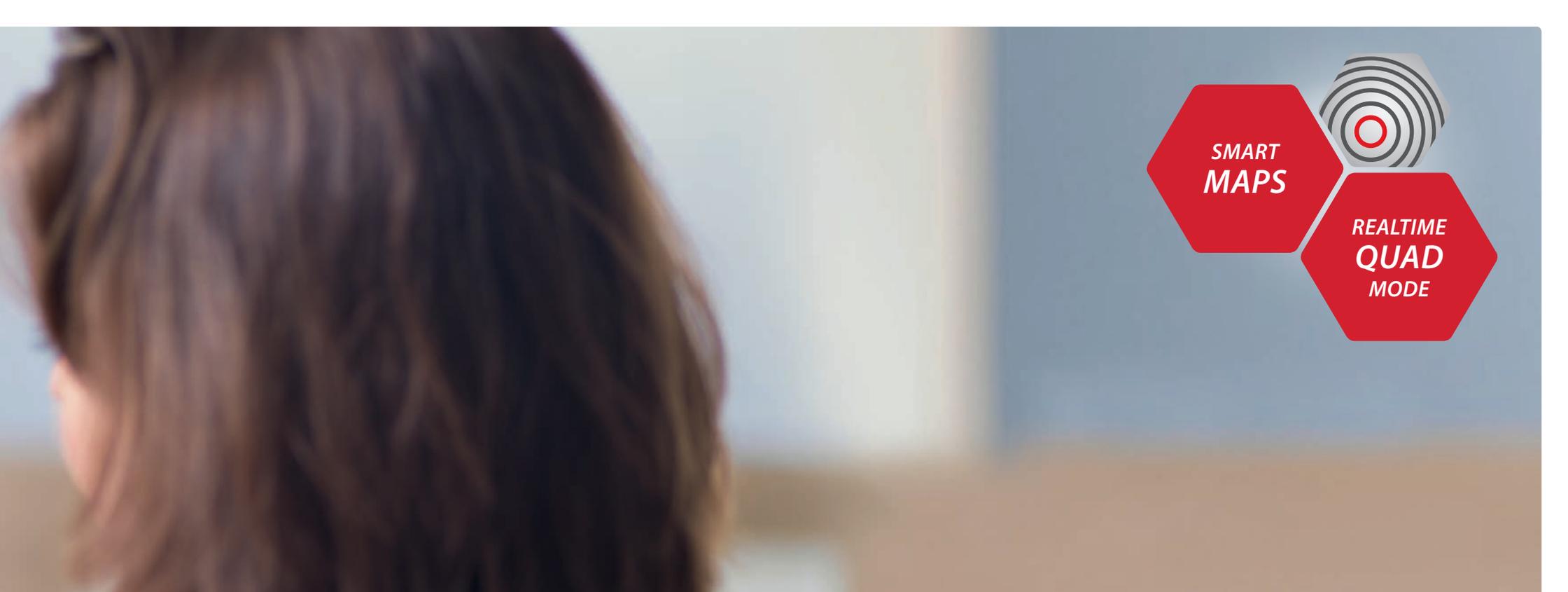
- Smart Sensor 3D allows you to acquire accurate 3D volumes with a standard linear or convex transducer, also in SMI mode.
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Increase your confidence, expand your capability

Early detection and reliable characterization of lesions help in optimizing your patients' clinical pathway. Aplio iSeries' extensive suite of advanced imaging and quantification functions can help you provide definite answers quickly and with confidence.

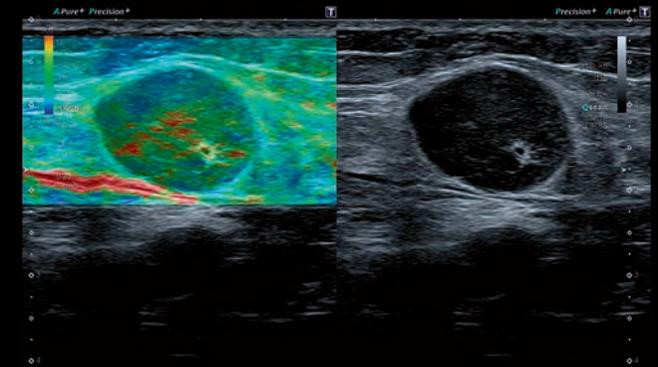
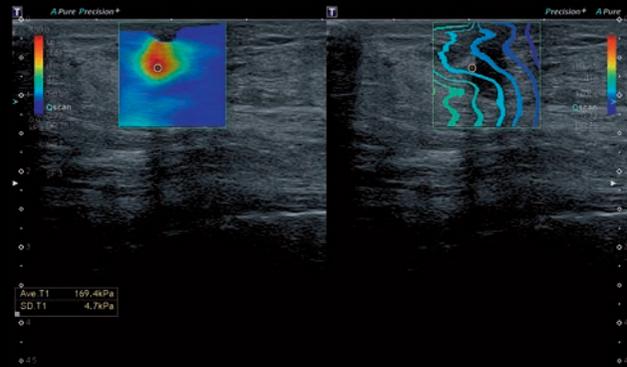
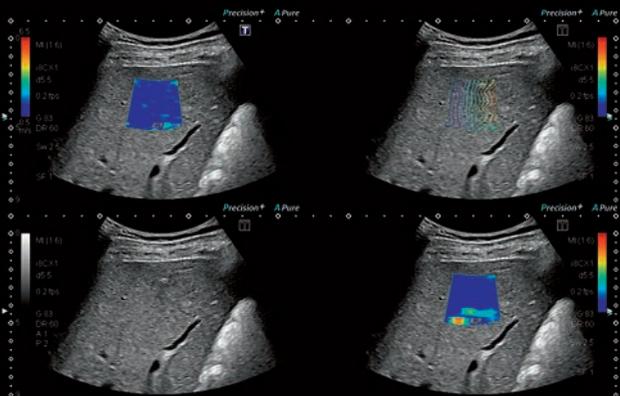


- Aplio iSeries' comprehensive contrast-enhanced ultrasound (CEUS) imaging and quantification package allows you to assess perfusion dynamics in the liver, including an ample variety of specialized exams.
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SMART
MAPS

REALTIME
QUAD
MODE



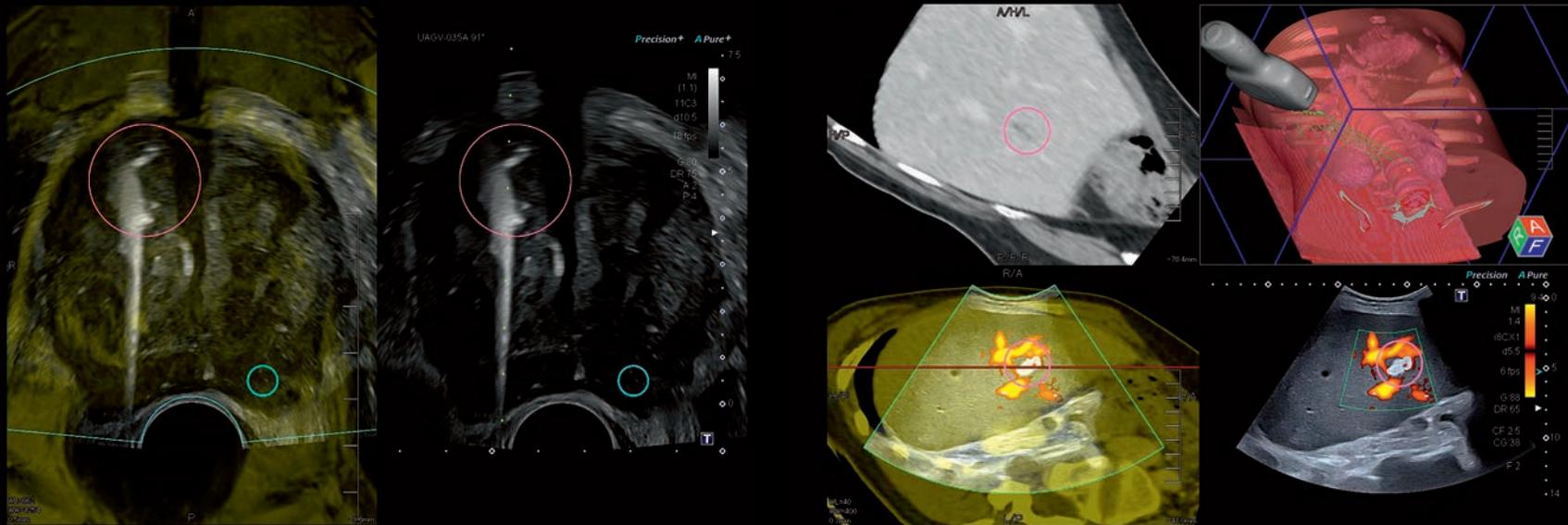
- Toshiba's shear wave technology provides a quantitative measure and realtime display of tissue elasticity in a variety of clinical settings ranging from abdominal to small parts examinations.
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- Smart Maps help you visualize and quantify shear wave propagation in realtime. Aplio's unique propagation map is a powerful and intuitive tool to visually assess the quality of an elastogram.
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- The system's comprehensive strain elastography suite with raw data functionality assists you in localizing and assessing palpable masses with high sensitivity.
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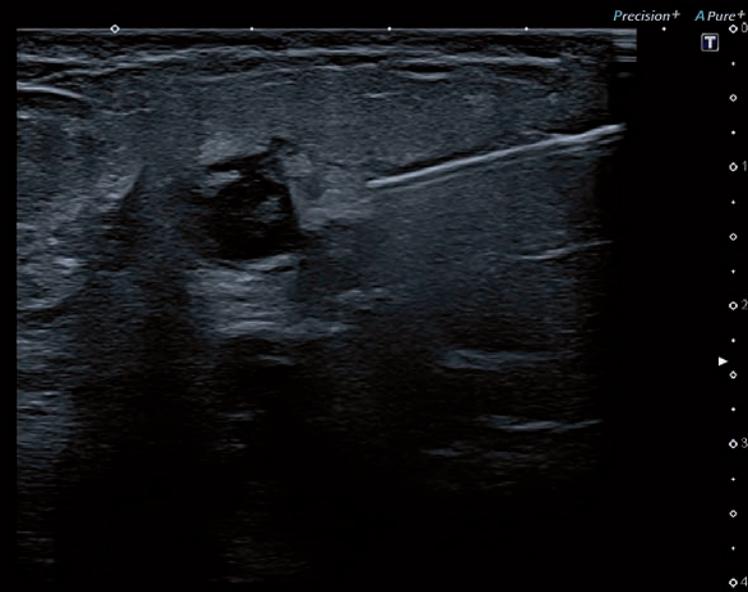
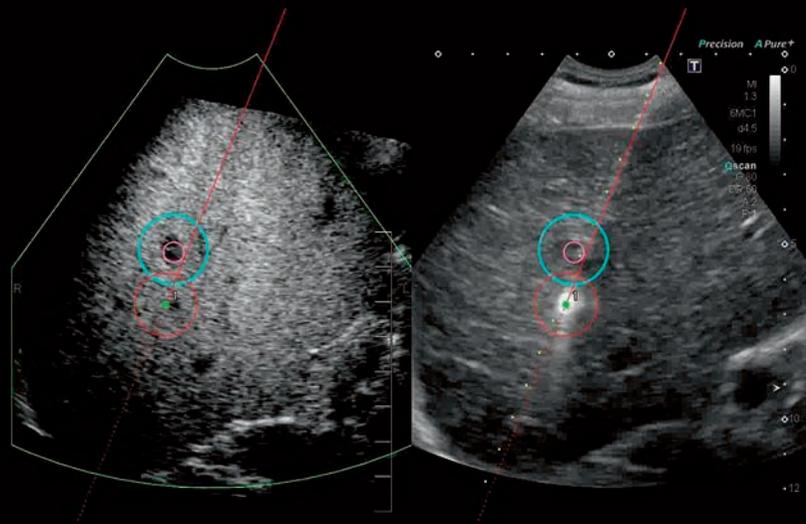
Navigate with ease, treat with confidence

Aplio iSeries provides a wide range of tools for advanced imaging and interventions. Dedicated transducers and an abundance of imaging and navigation tools help you enhance confidence and accuracy during interventional procedures and their follow-up.



- Smart Fusion merges realtime ultrasound with previously acquired CT, MR or ultrasound data, allowing you to identify and compare lesions with ease and to navigate complex anatomy securely.

- For comprehensive evaluation, Smart Fusion allows you to work in multiple imaging modes, including color Doppler and CEUS. The concise quad display shows the live ultrasound image in sync with multiple views of the pre-loaded data.



- Smart Navigation helps you guide needle tips securely and with higher confidence.
- Color-coded virtual biopsy lines make it easy to track needles in both the live
- ultrasound and the adjacent fusion image.

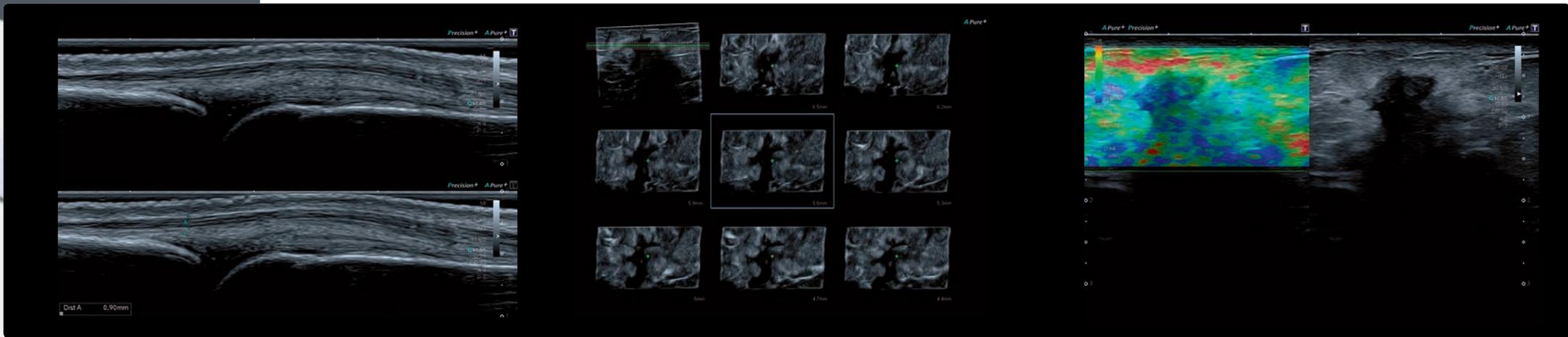
- Toshiba's BEAM technology provides clearer visualization of biopsy needles in
- the live image. The function works with all common needle sizes and selects the
- optimal enhancement fully automatically.



iDMS
DYNAMIC
MICROSLICE

Amazing detail, outstanding versatility

Aplio iSeries 24 MHz transducer with extended bandwidth and iDMS Dynamic MicroSlice technology provides superior detail and definition in the near field for a wide range of examinations.



- The transducer's outstanding resolution can help identify fine detail such as layered structures and small lesions.
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- Smart 3D is a simple way to add volume-imaging capability to Aplio's convex and linear transducers, supporting all modes including SMI and shear wave imaging.
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- Advanced technologies such as strain elastography or SMI can provide valuable insights into perfusion dynamics or tissue stiffness.
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Designed with our users in mind

Smaller and lighter*, Aplio i800 is easy to maneuver. With over 36 cm panel height adjustment, lateral slide and a fully articulating monitor arm, Aplio i800 helps you to optimally adjust the console to virtually any scanning position.

Aplio iSeries makes your work flow

Aplio iSeries provides a host of intelligent workflow support and automation tools, helping you to achieve rapid results with consistent high quality regardless of the patient condition.

**INTELLIGENT
PANEL**

**50%
FEWER HARD
KEYS***

**INTERACTIVE
TOUCH SCREEN**

*Than Aplio 500 Platinum

Access all areas

Aplio iSeries' large, tablet-style touch screen with three interactive zones allows you to quickly browse and select the desired function, while the rest of the display remains unchanged.



Switch to auto-pilot

Aplio iSeries' context-sensitive user interface is designed to make your imaging task simpler and quicker. While automated settings can deal with routine clinical needs, you always retain control over all imaging parameters when needed.

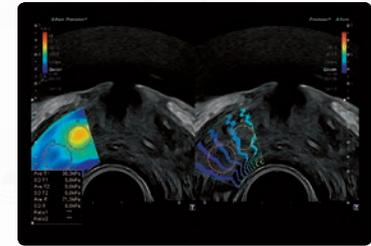
**INTELLIGENT
ON-SCREEN
NAVIGATION**



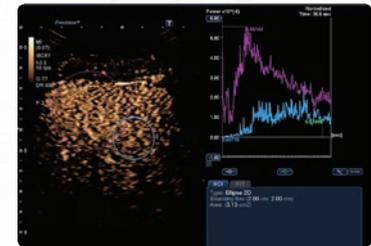
The mode-sensitive on-screen navigation for the central trackball area boosts your workflow and efficiency. By visually guiding you through the exam, it allows you to adapt and operate the system within a few minutes.



- Realtime QuickScan allows you to achieve
- greater consistency in your exams by ensuring
- that superb image quality is the benchmark at all
- times through automated image optimization.



- Thanks to Aplio iSeries' embedded raw data
- functionality you can optimize, review, analyze
- and report your clinical data anytime with no
- loss of functionality.



- A range of automated measurement and
- analysis tools help you increase accuracy,
- consistency and speed of your exams.

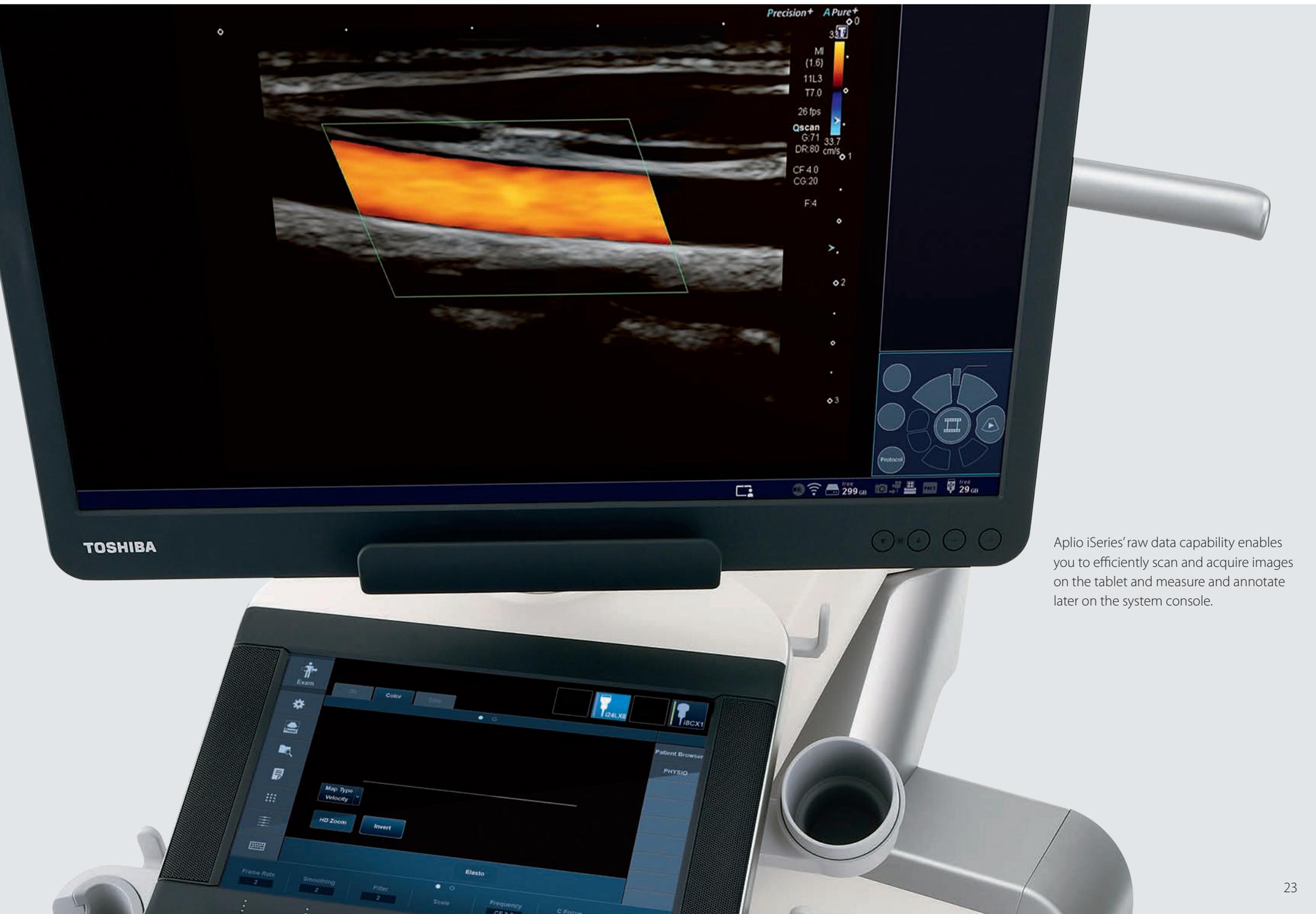
Go wireless to gain better access

Aplio i-series allows you to remotely operate the system from a wireless tablet. This is especially helpful during MSK and vascular exams where it can be difficult to scan a patient and reach the panel at the same time, without losing sight of the monitor.

The wireless tablet is also ideal for scanning in mobile environments, sterile situations and for infection control to protect the system from possible contamination.



**REMOTE
ACCESS**



Aplio iSeries' raw data capability enables you to efficiently scan and acquire images on the tablet and measure and annotate later on the system console.

Aplio i-series

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TOSHIBA AMERICA MEDICAL SYSTEMS, INC. 2441 Michelle Drive, Tustin CA 92780 | 800.421.1968

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Made For life