

**TOSHIBA
MEDICAL**



Aplio 400

Platinum HD Series

Better outcomes
from detection to treatment



Precision, control and an amazingly clear picture

Aplio™ 400 delivers in every way. Ensuring every examination has an optimal result, it provides you with unsurpassed image quality, superior productivity, and an ergonomic workplace with fully customizable console. Specialist tools, expert volume imaging functions and groundbreaking quantification options allow you to build your Aplio to perfectly suit your clinical needs at all times.



**High Density
Beamforming**



**High Density
Rendering**

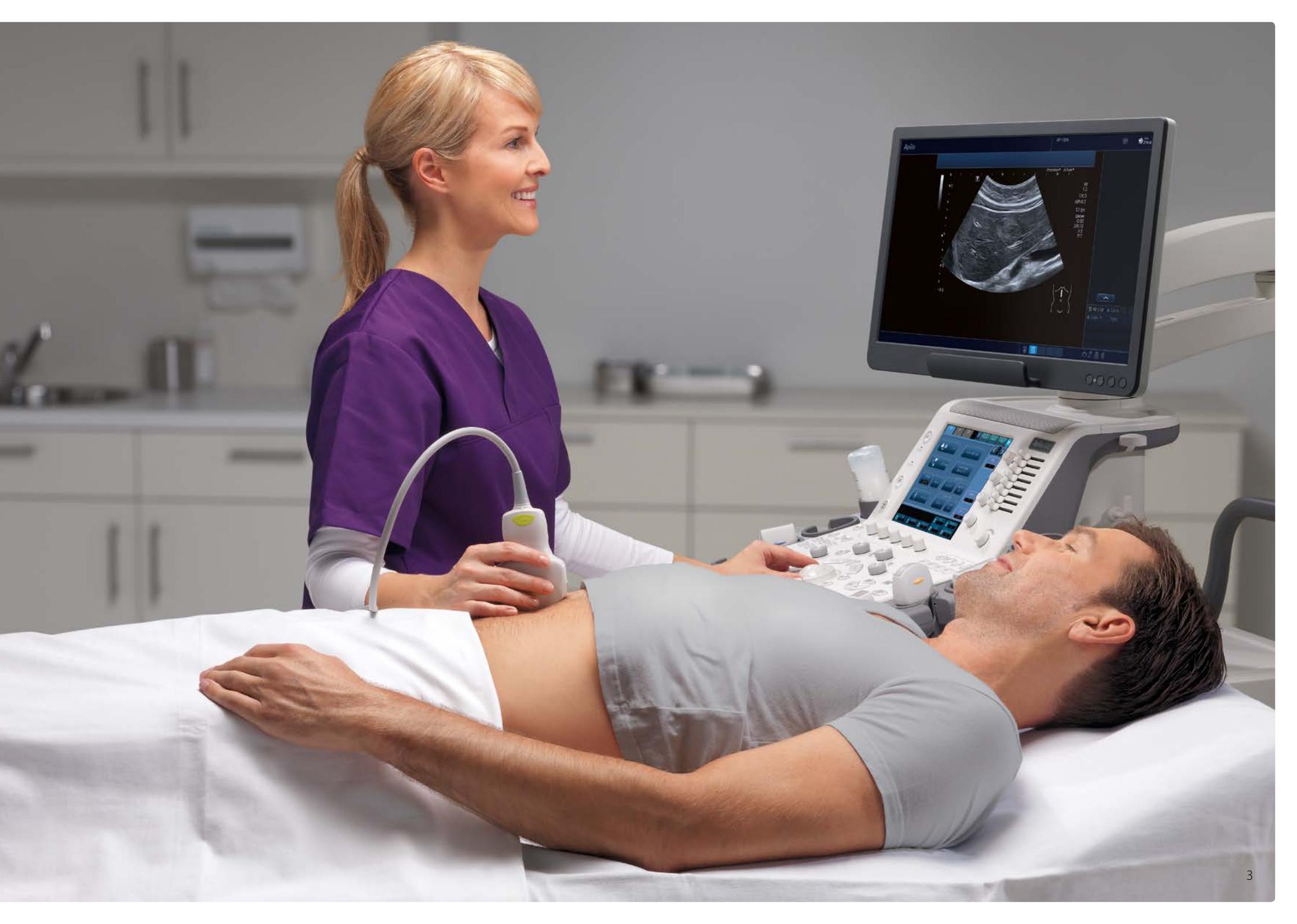


**Realtime
Application**



**iStyle+
Productivity**

Aplio's unique core technologies provide an unmatched level of clinical precision, departmental productivity and ease of use, allowing you to get your diagnosis quicker and with higher confidence.



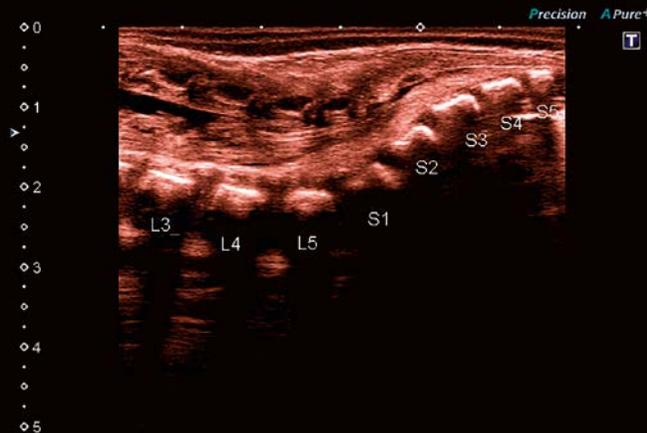


Enjoy the perfect picture every day

The best image quality allows a diagnosis to happen quickly and with confidence. Each of Aplio's unique imaging technologies provides you with better image quality by reducing noise, strengthening signal and improving visualization. The system's revolutionary High Density Beamformer uses the most advanced digital signal processing to control the ultrasonic beams more precisely and flexibly.



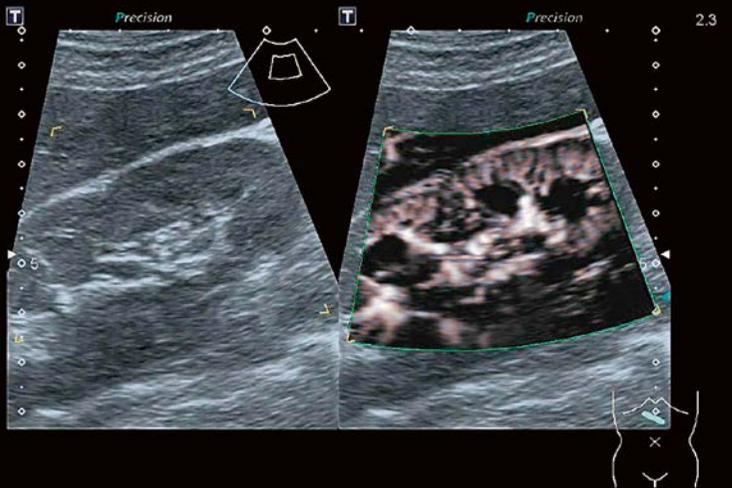
Precision Imaging delivers outstandingly smooth images with significantly sharpened outline of lesions. From widespread areas to fine details in layers and boundaries Precision Imaging reveals more clinical detail for a faster and safer diagnosis.



ApliPure™+ combines the advantages of spatial and frequency compounding to provide you with images of unsurpassed uniformity and detail while preserving clinically significant markers such as shadows behind echo-dense objects.



Differential Tissue Harmonics provides clinical images of unsurpassed spatial resolution and contrast, alongside with greatly increased penetration, taking outstanding tissue definition to deeper regions than ever before.



While conventional color Doppler is unable to display flow in the smallest vessels, SMI separates flow from overlaying tissue motion effectively, while preserving even the subtlest low-flow components with unmatched detail and definition.

Superior imaging performance is one of the key reasons that make Aplio one of today's most popular premium diagnostic ultrasound systems. A full range of clinically proven tools offers uncompromised image quality. A host of advanced imaging and quantification functions ensures that you can make the best informed disease management decisions.



Exceptional detail for a more precise diagnosis

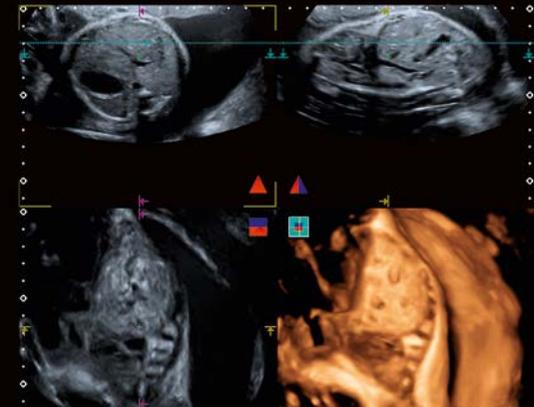
Both the busy clinician and the patient can benefit from high-resolution imaging and volumetric ultrasound. Aplio's comprehensive volume imaging suite extends your diagnostic capabilities into the next dimension of imaging with extraordinary image quality and uncompromised workflow.



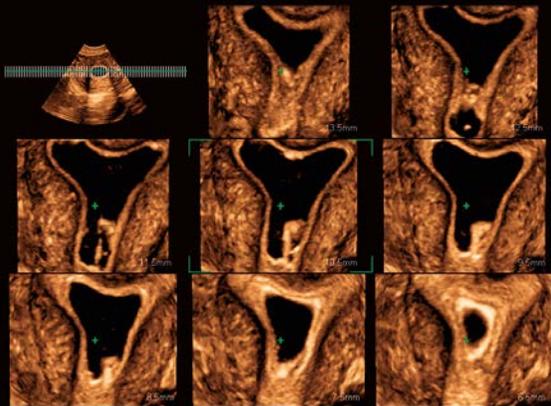
Advanced Dynamic Flow™ adds superior spatial resolution to color Doppler imaging to reveal minute vasculature and complex flow patterns with unprecedented accuracy and detail while fully maintaining the B-mode image quality.



Luminance provides a softer, more natural visualization of the skin resulting in images of exceptional quality and detail. The function's freely movable light source gives you strong visual feedback on depth and detail.



Aplio's MPR function allows you to review a region of interest simultaneously in three orthogonal planes accompanied by a surface rendering or box volume image to help you better understand anatomical relationships or the extent of a given lesion.



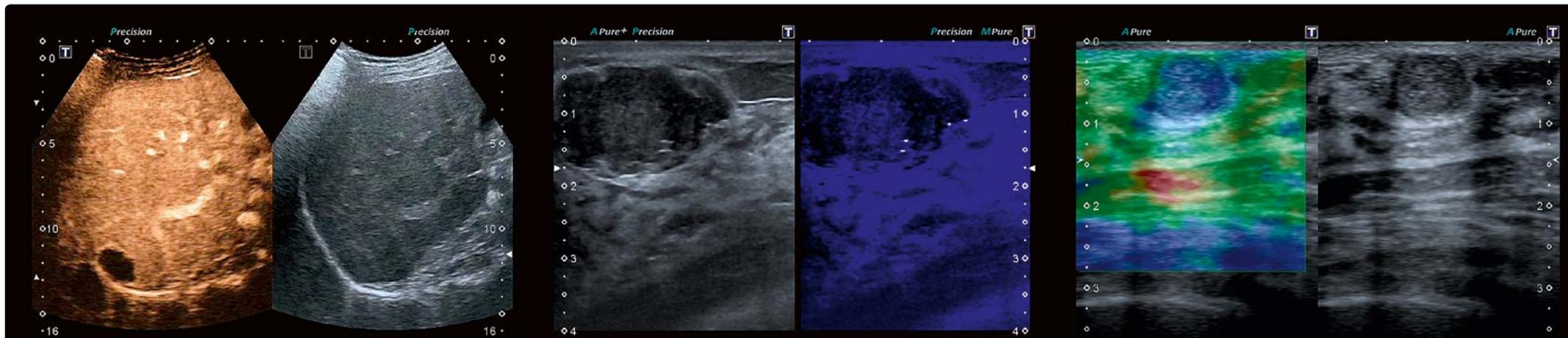
MultiView allows you to generate a series of cross sections of a given volume to improve the assessment of lesions and their associated structures. MultiView allows cutting volumes in any direction to reveal high-resolution off-axis views that can further enhance your diagnostic confidence.

Both the busy clinician and the patient benefit from volumetric ultrasound. A complete set of data can be acquired and stored in raw format in just a few seconds, reducing examination time to a minimum. The stored raw data can be retrieved, read and manipulated anytime later with no loss of functionality.



Advanced tools to help you better evaluate disease

Powered by the industry's most advanced Realtime Application Platform, Aplio 400 provides you with a complete range of exclusive, clinically proven technologies to increase your diagnostic confidence. By giving you valuable additional information in easy-to-understand visual, parametric and quantitative formats, these advanced technologies can help you avoid supplementary exams to get your diagnostic answer. Thus, you can save expenses and enhance your department's productivity.



Aplio's comprehensive contrast imaging package supports an ample variety of standard and specialty transducers allowing you to assess perfusion dynamics in a wide range of clinical settings.

MicroPure™ can help identify microcalcifications, a potential marker for malignancy, in the breast and other organs. The technique automatically highlights calcifications as white spots in the masked 2D image and thus can provide effective support for precise biopsies under realtime ultrasound control.

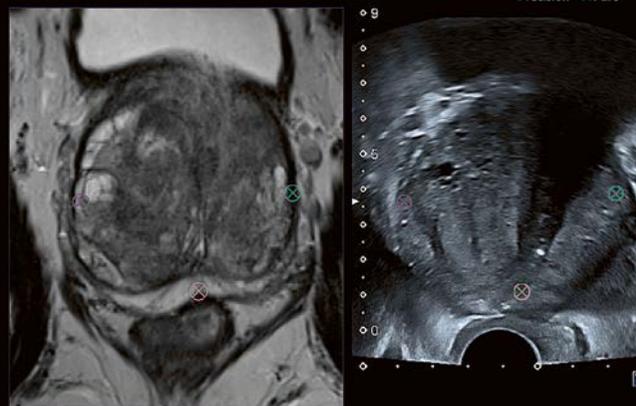
The system's complete elastography solution with raw data functionality assists you in localizing and assessing palpable masses with high accuracy, sensitivity and reproducibility in a wide range of clinical settings.

Specialty transducers

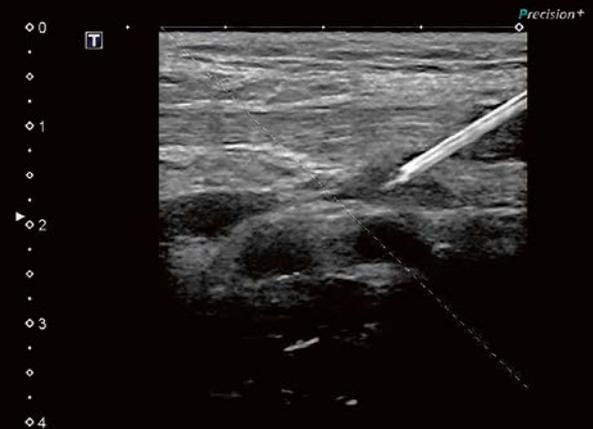
Aplio 400 provides you with an extensive selection of specialty transducers for the widest range of clinical applications, including many advanced techniques such as elastography or CEUS. All specialty probes feature the same outstanding image quality and versatility as the standard transducers.



Toshiba Medical's shear wave technology provides a dynamic visual display of tissue stiffness in a variety of clinical settings ranging from abdominal to small parts examinations. The highly accurate and reproducible tool provides fully integrated measurement and reporting.



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.

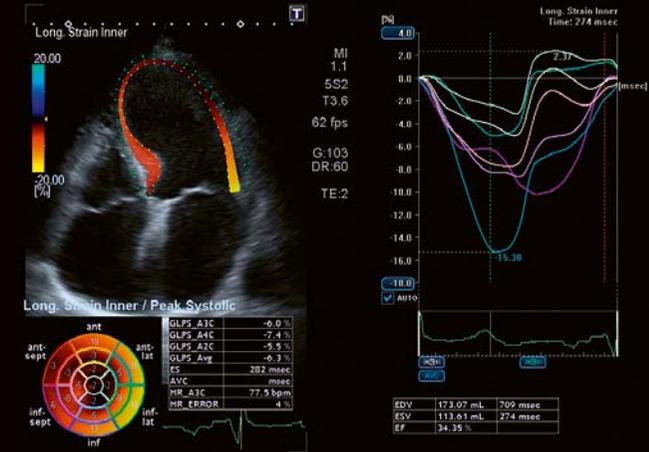
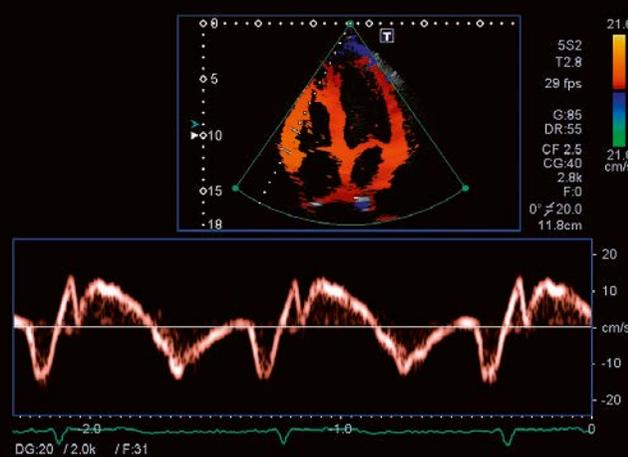


Toshiba Medical's Biopsy Enhancement Auto Mode (BEAM) provides a clearer visualization of biopsy needles in the live ultrasound image. BEAM works with all common needle sizes and selects the optimal scan angle automatically.



See it when and where you need it

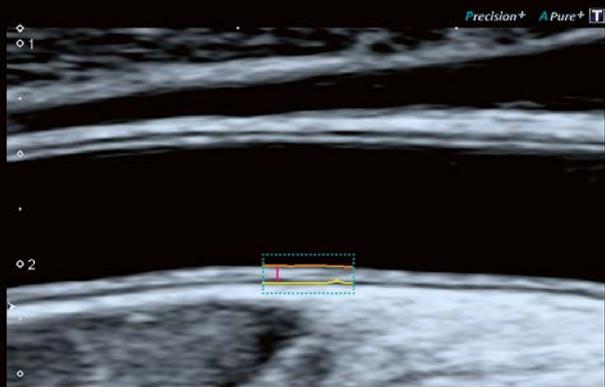
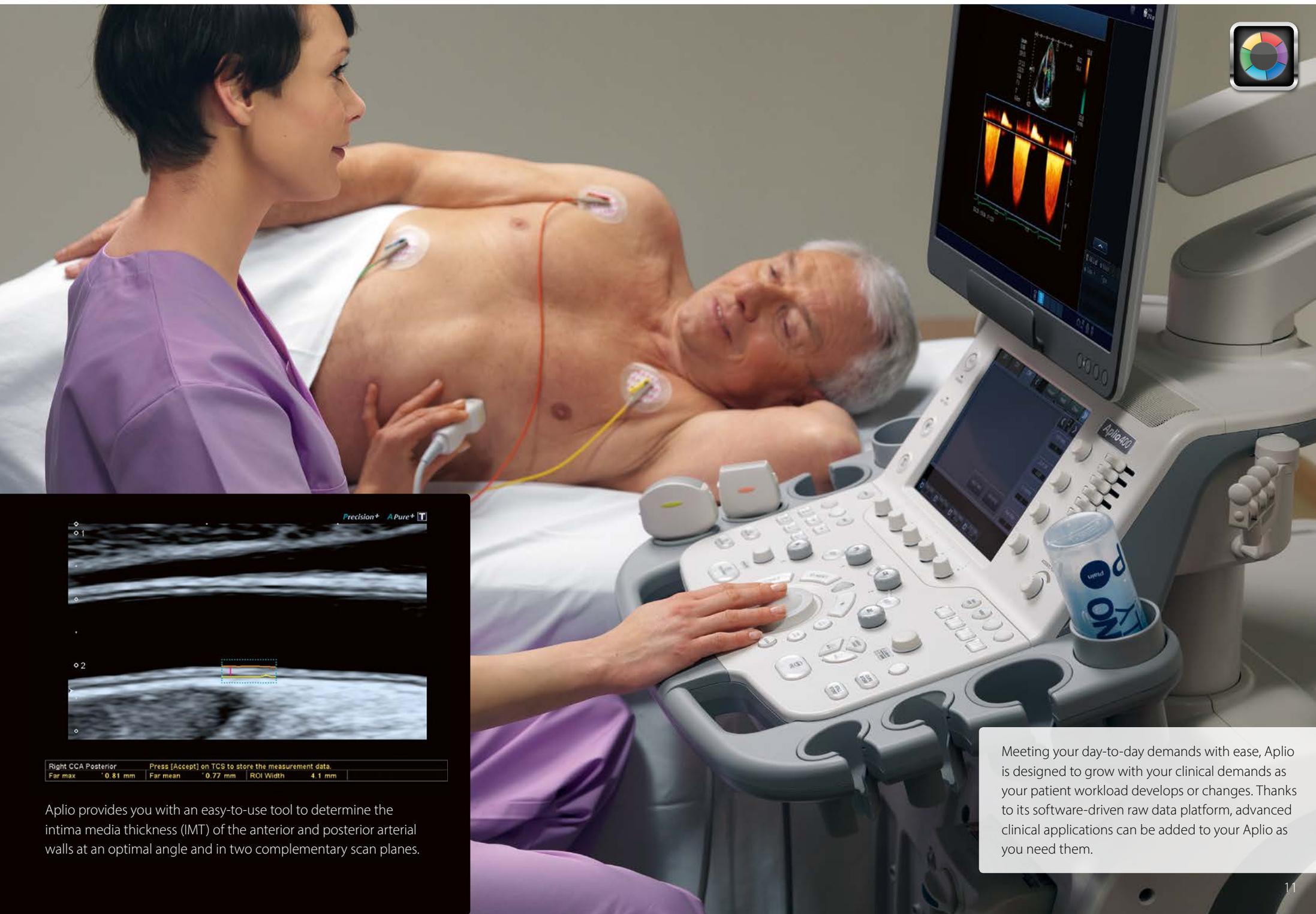
Offering the widest range of powerful clinical tools for advanced visualization and quantification with raw data functionality, Aplio helps you to improve diagnostic confidence and throughput everyday and on every patient. Comprehensive onboard facilities allow you to review, manage and report your studies conveniently on the system or in a network environment.



Aplio offers a comprehensive stress echo package for fast and accurate wall motion assessment. The package supports both standard and user-definable protocols for physical and pharmacological stress.

Aplio provides high frame rate Tissue Doppler images and high quality Pulsed-Wave-TDI traces for a precise timing of cardiac events in both visual and quantitative formats.

Aplio's advanced Wall Motion Tracking technology provides immediate visual and quantitative access to global and regional myocardial wall motion dynamics.



Right CCA Posterior	Press [Accept] on TCS to store the measurement data.		
Far max	0.81 mm	Far mean	0.77 mm
		ROI Width	4.1 mm

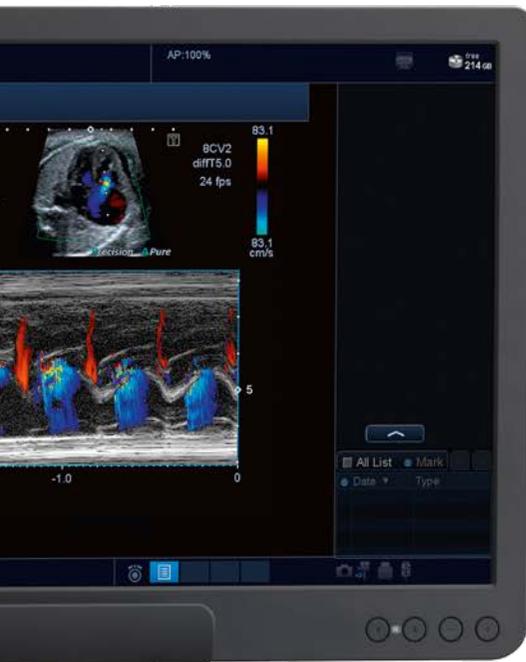
Aplio provides you with an easy-to-use tool to determine the intima media thickness (IMT) of the anterior and posterior arterial walls at an optimal angle and in two complementary scan planes.

Meeting your day-to-day demands with ease, Aplio is designed to grow with your clinical demands as your patient workload develops or changes. Thanks to its software-driven raw data platform, advanced clinical applications can be added to your Aplio as you need them.

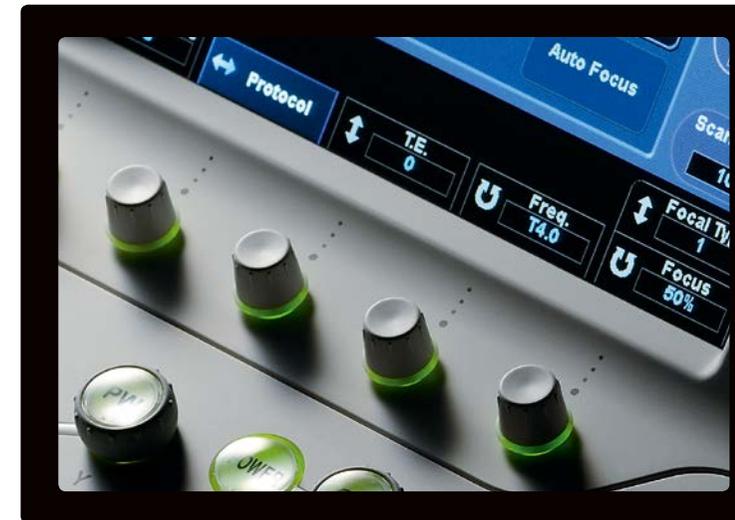


Performance meets intelligence

Aplio's unique iStyle™+ productivity suite provides you with a full host of technologies that offer ergonomic relief by reducing keystrokes, improving workflow and raising the consistency of exams. A smaller, lighter form gives you greater maneuverability while the fully configurable console and intelligent workflow support functions enable faster exams and greater productivity.



Aplio 400's compact design with height-adjustable console and fully articulating monitor arm enables you to create an ergonomic work environment in virtually any clinical setting. The system's premium LCD screen with four-axis arm can move and swivel into perfect position for better viewing and to protect you from neck, shoulder and eye strain.



3D multifunctional keys

Aplio's 3D multifunctional keys offer four degrees of freedom for outstanding usability. Their mode-sensitive function is fully programmable and displayed in the adjacent touch screen in an easy-to-understand manner.



Fully programmable console

You can customize Aplio's console to suit your clinical needs and personal preferences simply by reassigning functions to the keys of your choice. This results in better reach, fewer keystrokes and a shorter learning curve.



Quick Start clinical settings

Changing presets during an exam can disrupt your workflow, because system settings need to be optimized from scratch. The fully programmable Quick Start menu allows you to adjust only the relevant parameter set at a single touch of a button.

QuickScan image optimization

QuickScan allows you to achieve greater consistency in your exams by ensuring that superb image quality is the benchmark at all times. With a simple push of a button you can automatically optimise image quality in 2D and spectral Doppler modes.

Quick Assist protocols

Aplio's protocol assistant provides a reliable method to ensure that the same exam is performed from patient to patient. Once activated the tool automatically launches a clear, easy-to-read on-screen menu that will guide you through your exam.

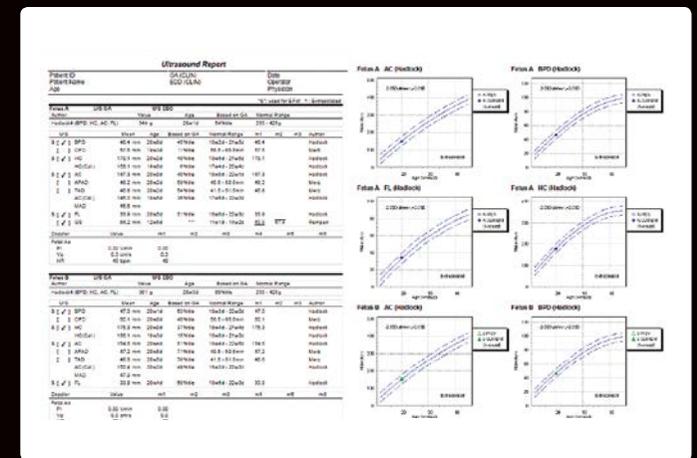
From imaging to quantification, from reporting to archiving, Aplio provides a full-spectrum solution that helps you manage routine and advanced clinical studies more efficiently.

Thanks to the system's embedded raw data functionality you can review, analyze, report and archive your clinical data anytime with no loss of functionality. Aplio is designed to embrace open network standards to facilitate easy integration in the widest variety of network environments.

Additionally, to ensure the system's continuous high performance, we offer a range of support services our customers have consistently rated best in the industry.



Our external workstation solution gives you full access to your clinical data and diagnostic tool set wherever and whenever needed. With embedded raw data functionality and a host of clinical tools you can review, analyze, report and archive your data quickly and easily.



Managing your study data

Aplio's fully integrated patient and image management system allows you to review and manage your studies conveniently onboard before sending them to PACS for reporting or archiving, including image and raw data as well as structured reports.

Exporting your clinical data

Aplio ships standard with a DVD writer and USB connection for study documentation and data export. The unit can be equipped with integrated medical printers or a DVD recorder for onboard study documentation.

Reporting options

Aplio provides comprehensive onboard facilities allowing you to semi-automatically generate reports including measurements, charts, clinical images, as well as text. Reports are customizable to meet your department's standards and formats.

Aplio

Platinum Series

TOSHIBA MEDICAL SYSTEMS EUROPE

www.toshiba-medical.eu

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