Canon

Aplio i800

Intuitive. Intelligent.
Innovative.

Women's Healthcare


i18LX5

Aplio *i800*

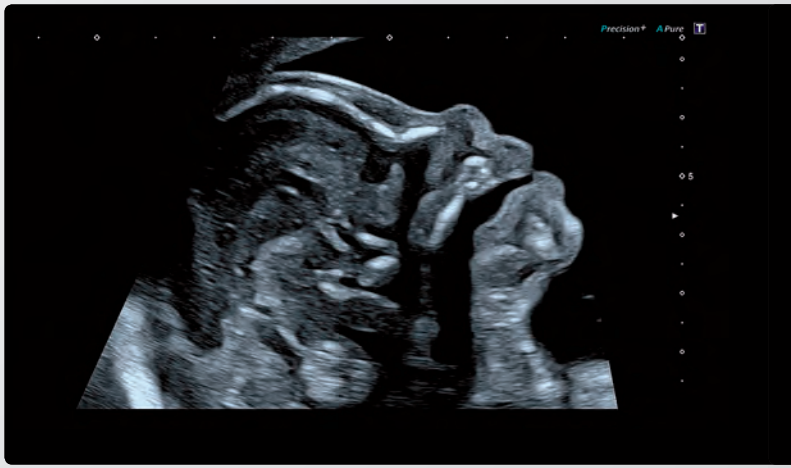
Magic inside

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 Women's Healthcare tools help you obtain your diagnostic answer quickly and reliably.

Crystal-clear imaging, superior versatility

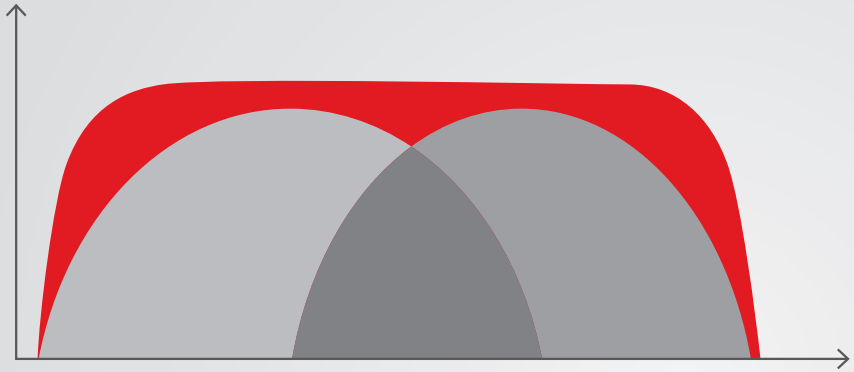
From the smallest to the toughest patients, Aplio's innovative iBeam architecture with dramatically increased processing power* provides outstanding imaging clarity and definition while significantly enhancing penetration.

Aplio's intelligent Dynamic Micro-Slice (iDMS) technology increases clinical accuracy and reveals more detail in all depths by electronically sharpening the imaging slice thickness.

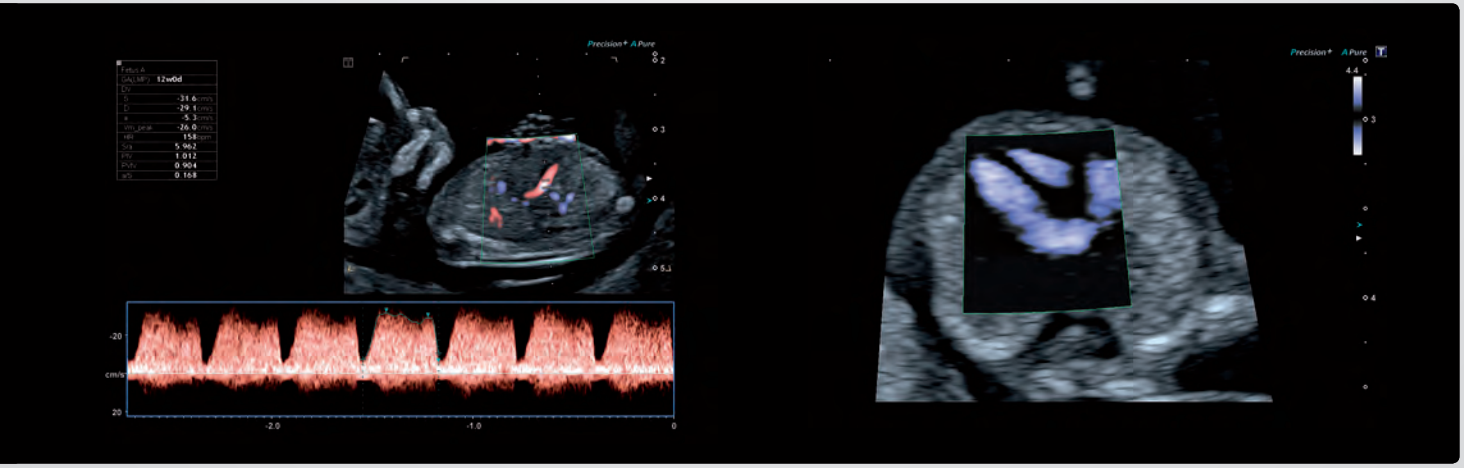


*Compared to Aplio Platinum Series.

Better diagnostics starts here



Aplio's ultra-wideband i-series transducers cover the same bandwidth as two conventional transducers, providing high sensitivity and resolution for both near and far field. While helping to reduce cost, this innovative transducer design can provide better imaging.*



*Compared to standard transducers

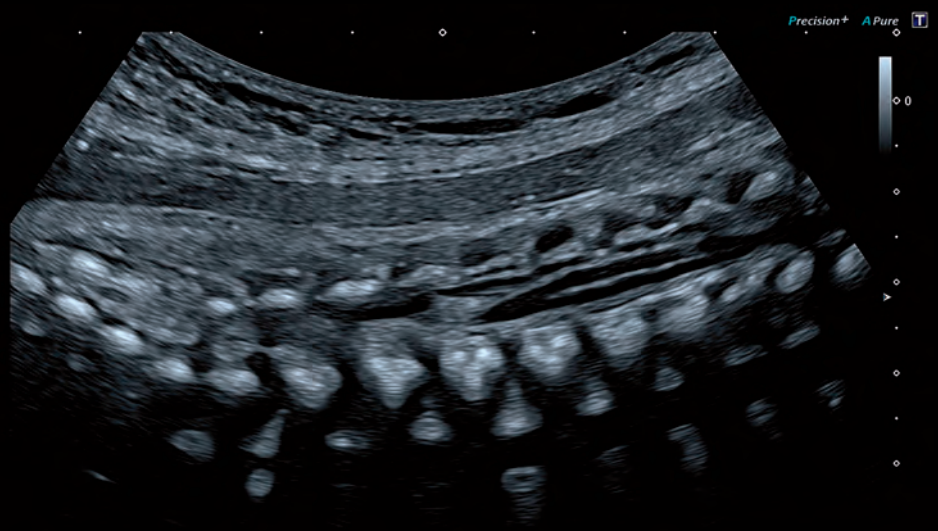
Ultra-Wideband
Convex i8CX1

Ultra-Wideband
Convex i10CX1

Wideband
4D 9CV2

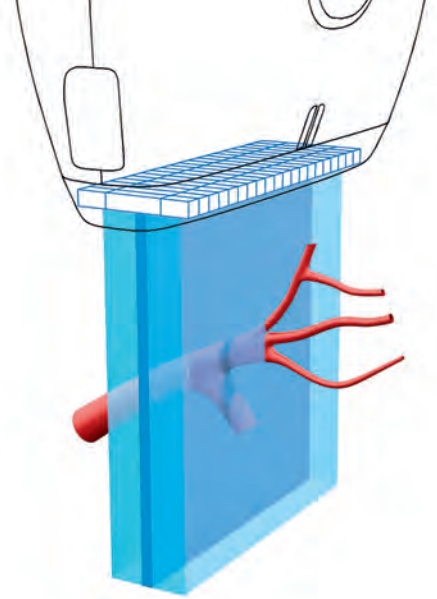
Enjoy the perfect picture

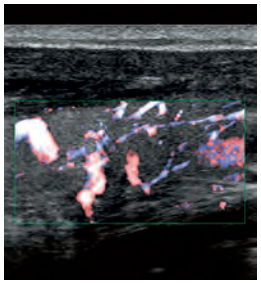
Each of Aplio's unique imaging technologies provides you with better image quality by reducing clutter, strengthening signal and improving visualization. All functions work hand in hand with other imaging modes for greater uniformity across all applications.



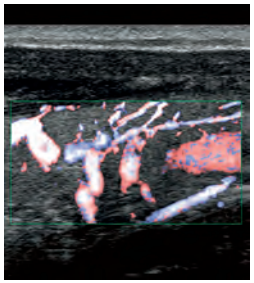
Precision+ offers outstandingly smooth images with sharpened outline of anatomical structures and lesions, enhanced image uniformity and reduced clutter.

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





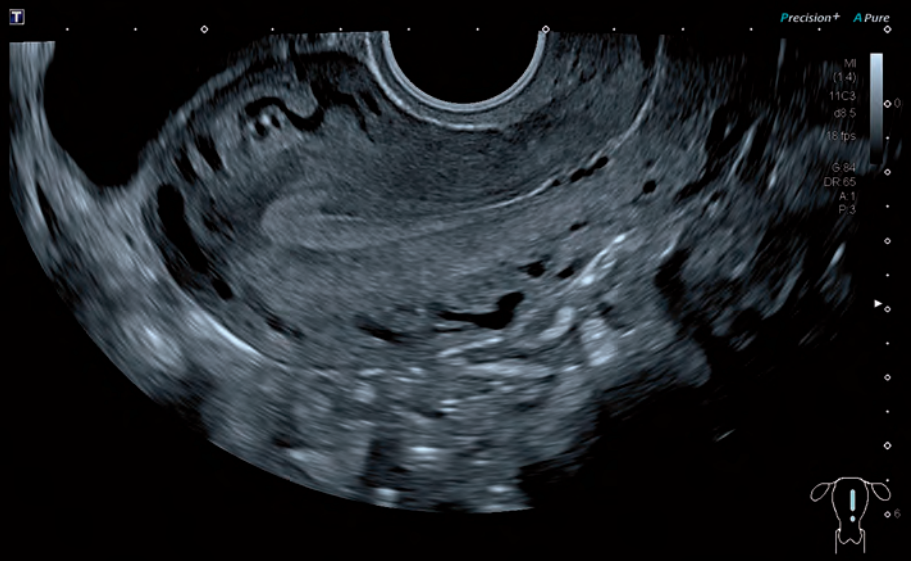
Conventional



Adaptive slice thickness

Optimal imaging in each mode

Aplio's adaptive Slice Thickness Control option helps you achieve optimal resolution and sensitivity simultaneously on each imaging mode. So while you improve the continuity of blood flow imaging with a wider beam, you can maintain ideal B-mode quality and resolution at the same time.

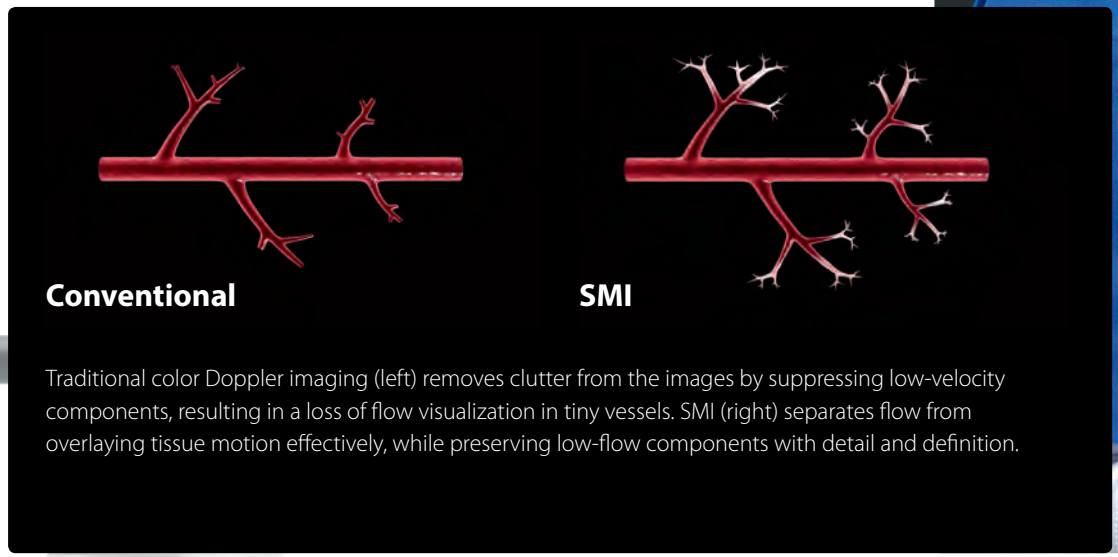


Differential Tissue Harmonics provides harmonic images of outstanding spatial resolution, alongside greatly enhanced penetration.

Advanced Dynamic Flow adds superior spatial resolution to color Doppler imaging to reveal minute flow patterns with accuracy and detail. ADF provides high frame rates, while maintaining the full B-mode image quality.

Seeing the unseen with SMI

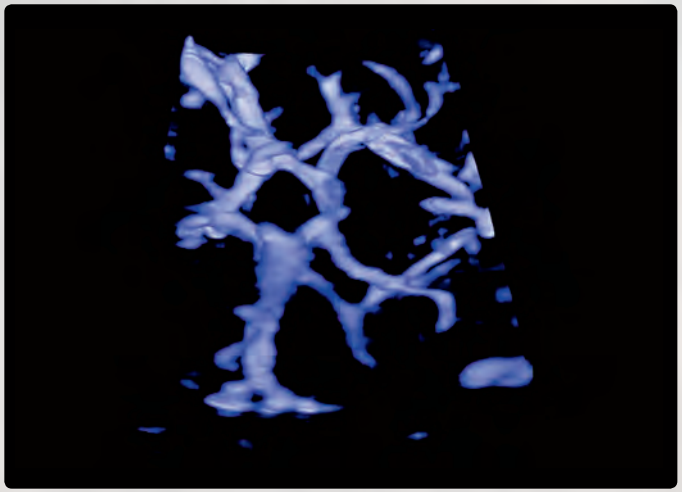
Experience color flow imaging with superb detail and definition on Aplio i800. Superb Micro-vascular Imaging (SMI) expands the range of visible blood flow to visualize low-velocity microvascular flow never before seen with diagnostic ultrasound.



Conventional **SMI**

Traditional color Doppler imaging (left) removes clutter from the images by suppressing low-velocity components, resulting in a loss of flow visualization in tiny vessels. SMI (right) separates flow from overlaying tissue motion effectively, while preserving low-flow components with detail and definition.

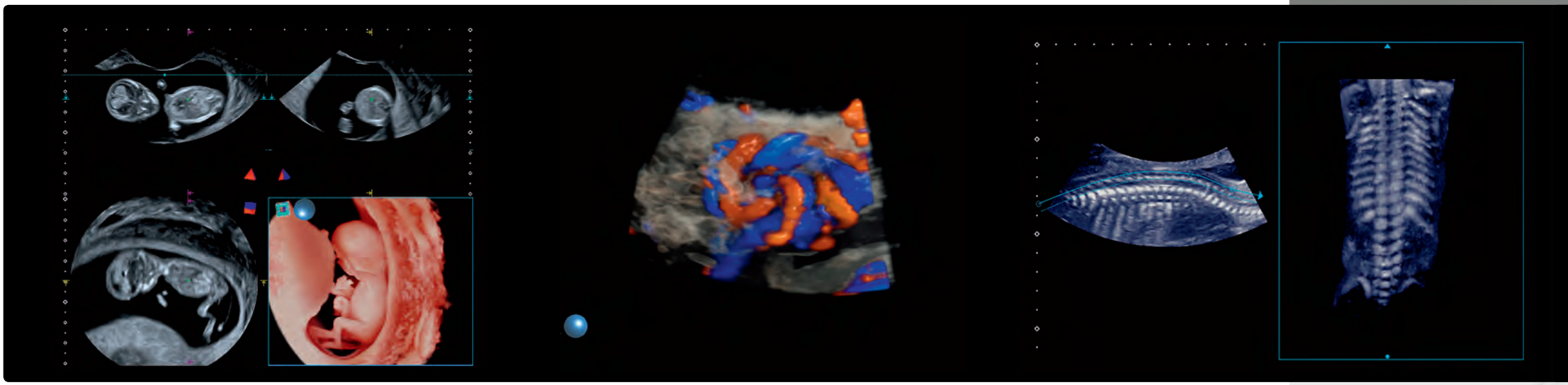
SMI's level of vascular visualization, combined with high frame rates, advances diagnostic confidence when evaluating the micro-vasculature of organs and lesions.



Smart Sensor 3D allows you to acquire accurate 3D volumes with a standard linear or convex transducer, also in SMI mode.

Exceptional detail for a more confident diagnosis

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



Luminance offers natural-looking 3D renderings of high quality and definition, providing strong visual feedback on depth and detail even in the first trimester.

Combine both anatomical structure and vascular flow with Shadow Glass. Adding a semi-transparent glass effect to the skin surface, it helps you reveal more clinical detail.

OmniView allows you to review a region of interest simultaneously in up to three arbitrary planes accompanied by a surface rendering to help you better understand anatomical relationships or the extent of a given structure.

MultiView is an effective tool for the assessment of lesions and their associated structures. The function allows you to cut a given volume in any direction to reveal high-resolution off-axis views that can further enhance your diagnostic confidence.

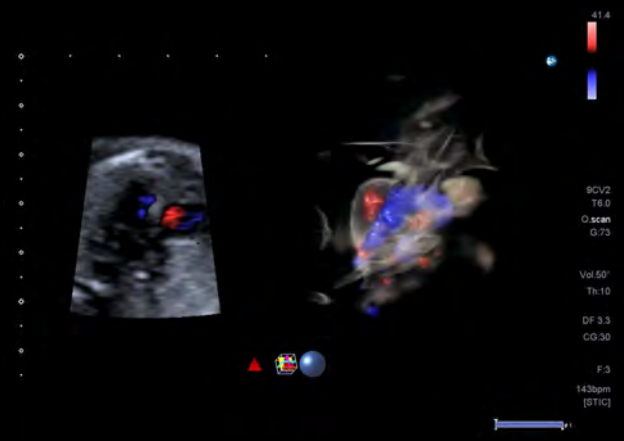
Explore the fetal heart in every detail

The ability to diagnose fetal heart defects at an early stage is essential for managing high risk pregnancies, as well as to optimally prepare parents for what is ahead. Canon Medical's advanced fetal echocardiography tools provide visualization and quantification for every stage of the pregnancy, including the important first trimester.

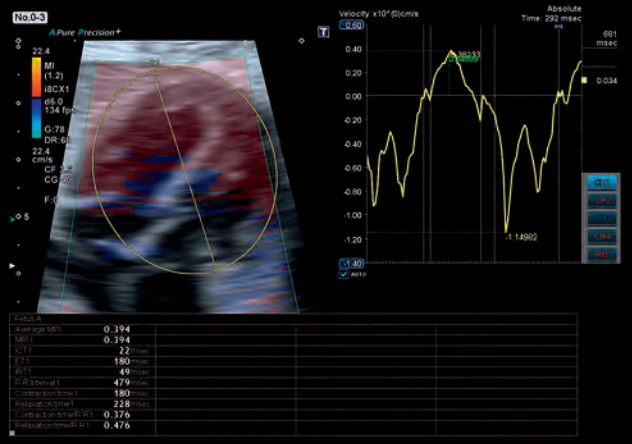
Canon Medical's ultra-wideband transducers work hand in hand with a whole range of powerful image enhancement technologies to provide outstanding definition and detail alongside reduced noise.

Fetal SMI is ideally suited for assessing fetal hemodynamics, especially in the first trimester. Its high spatial resolution and sensitivity allow precise visualization of flow patterns in and around the fetal heart.

The system's sensitive Color Doppler allows you to depict flow within key anatomical structures of the heart and greater vessels with high resolution and sensitivity while maintaining full B-mode image quality for better visualization of defects.



STIC with color Shadow Glass allows simultaneous, real time observation of both B-mode vasculature and structure together with a color 4D image showing internal blood flow (CDI and SMI).

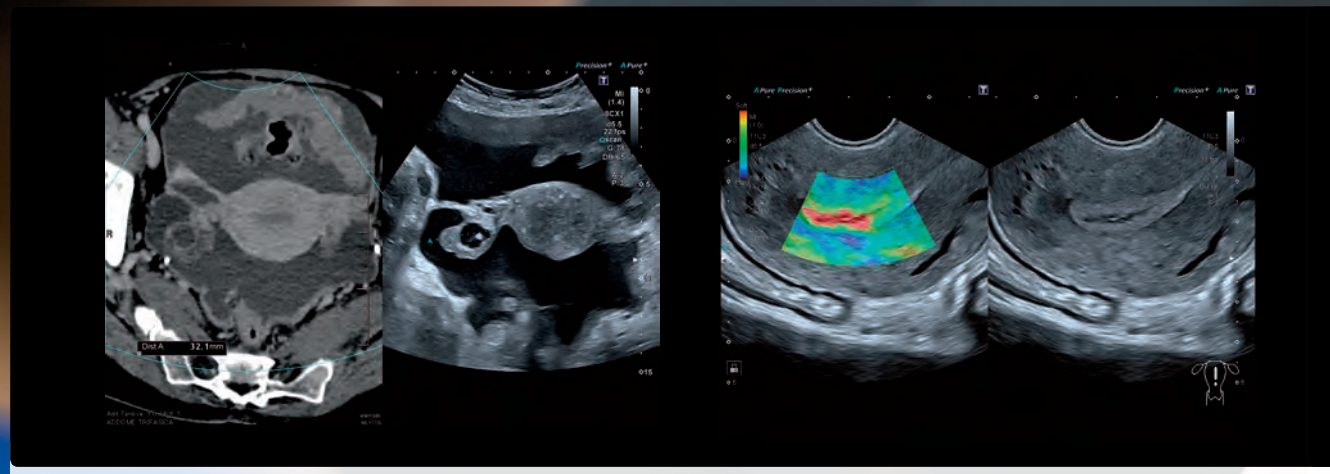


Aplio allows you to determine the Myocardial Performance Index (MPI) of a fetal heart based on standard Tissue Doppler, making it a practical tool for advanced routine imaging with high temporal resolution and low angle dependency.

Wall Motion Tracking for fetal heart is an advanced tool to quantitatively assess LV function and myocardial viability. Parameters include strain, strain rate and standard ejection fraction values.

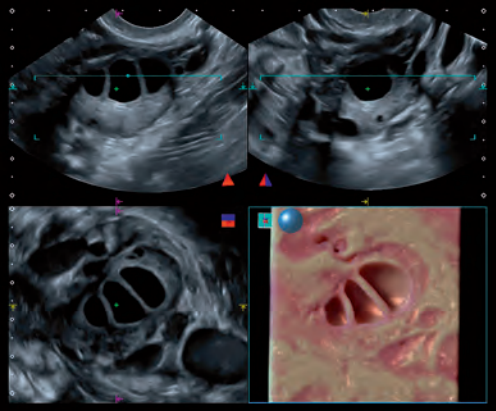
Increase your confidence, expand your capability

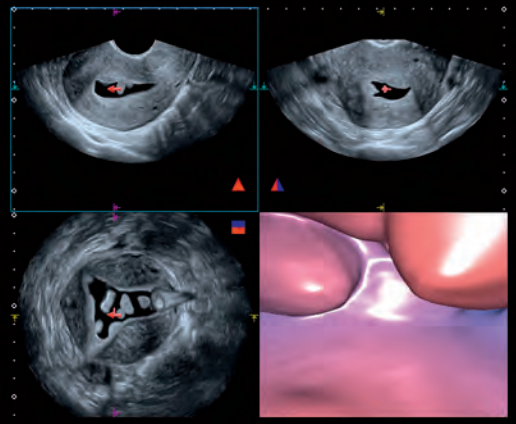
Aplio's extensive suite of advanced imaging and quantification functions can help you obtain definite answers quickly and with confidence.

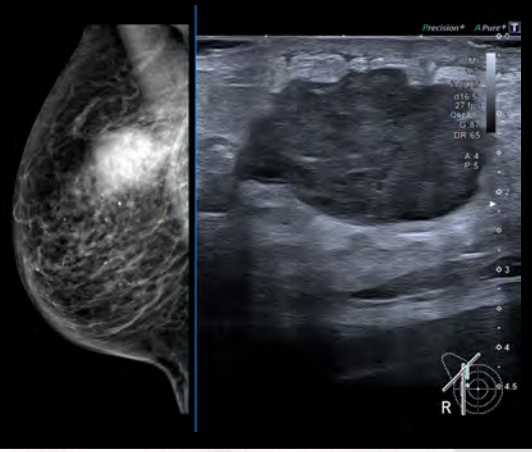


For a more comprehensive evaluation, Aplio's Smart Fusion option allows you to display the live ultrasound image in sync with pre-loaded MR, CT or previously acquired ultrasound data.

Aplio's comprehensive strain elastography suite with raw data functionality assists you in localizing and assessing palpable masses with high accuracy, sensitivity and reproducibility.







Aplio provides a wealth of tools to improve visualization of complex anatomy in 2D and volumetric formats – also in combination with advanced imaging modes such as Shadow Glass, SMI or elastography.

Soar through cavities, ducts and vessels with FlyThru. Similar to virtual endoscopy, the tool allows you to explore lesions and masses and to plan interventional procedures.

Aplio's breast scan guide allows you to combine real-time ultrasound imaging with pre-acquired mammography data for improved localization of lesions in a user-defined region of interest.

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.

*than Aplio 500 Platinum

Aplio makes your work flow

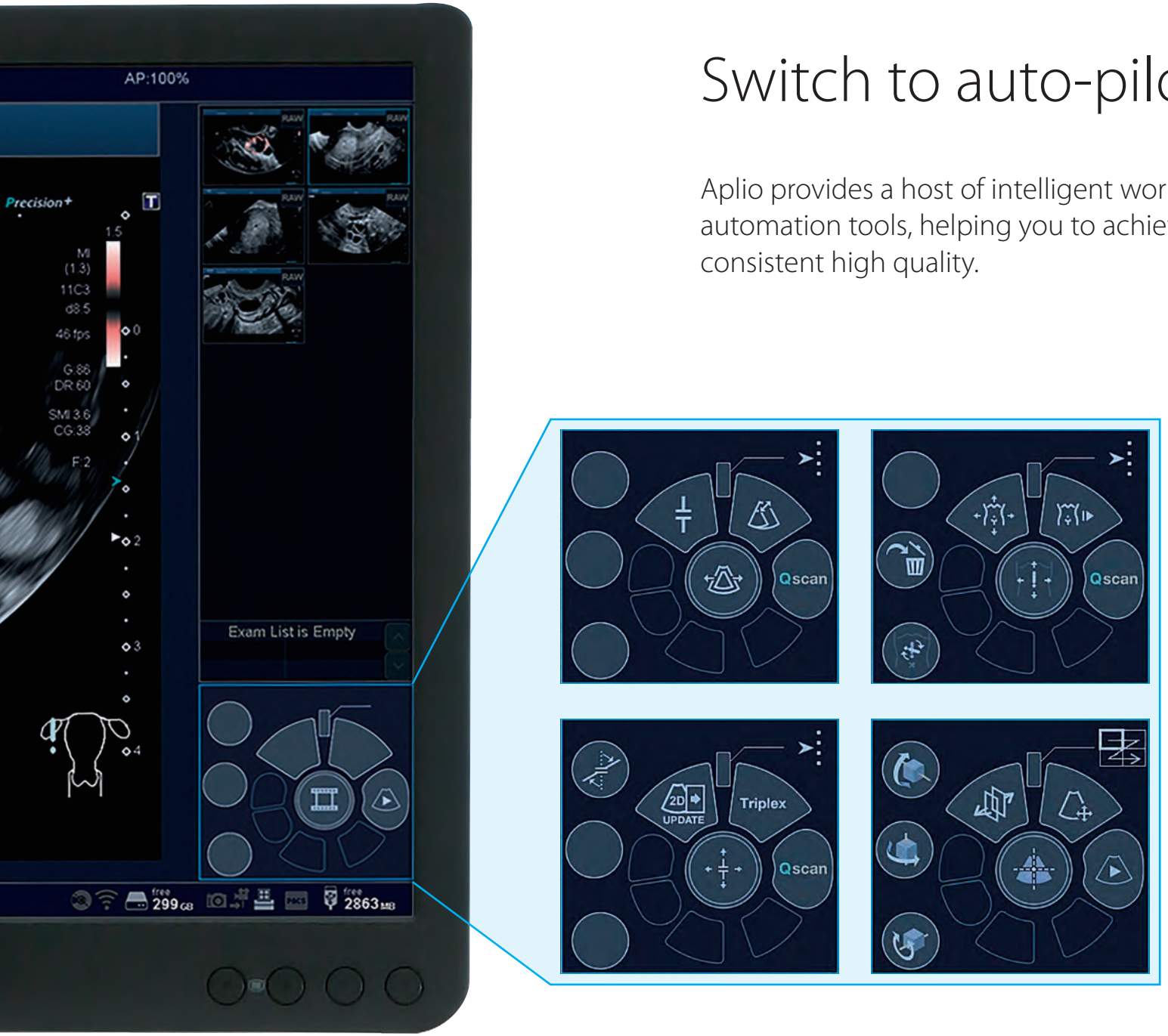
Aplio provides a host of intelligent workflow support and automation tools, helping you to achieve rapid results with consistent high quality regardless of the patient condition.

Access all areas

Aplio's 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 provides a host of intelligent workflow support and automation tools, helping you to achieve rapid results with consistent high quality.

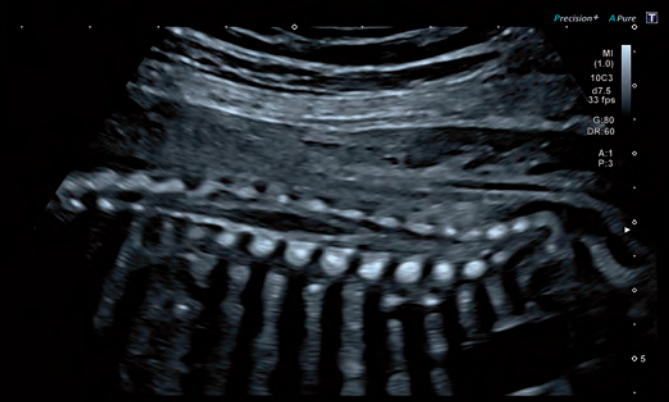


The mode-sensitive on-screen navigation for the central trackball boosts your workflow and efficiency. By visually guiding you through the exam, it allows you to adapt and operate the system within a few minutes.

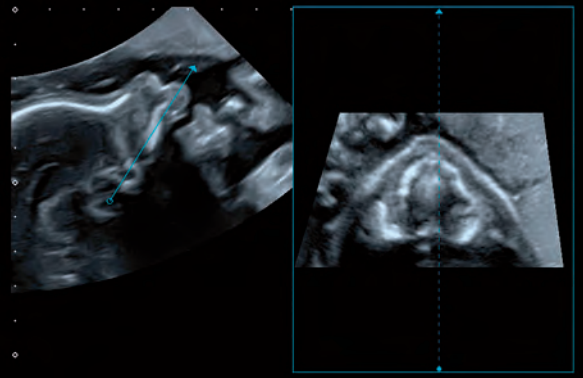
Go wireless to gain better access

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.

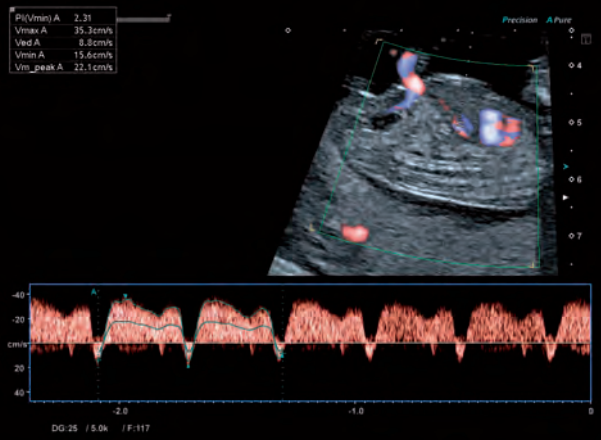
The wireless tablet is also ideal for scanning in mobile environments, sterile situations and for infection control to protect the system from possible contamination.



Realtime Quick Scan allows you to achieve greater consistency in your exams by ensuring that superb image quality is the benchmark at all times.



Thanks to Aplio's 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.

Aplio *i-series*

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