Canon

Aplio a

Advanced. Seamless.
Integrated.

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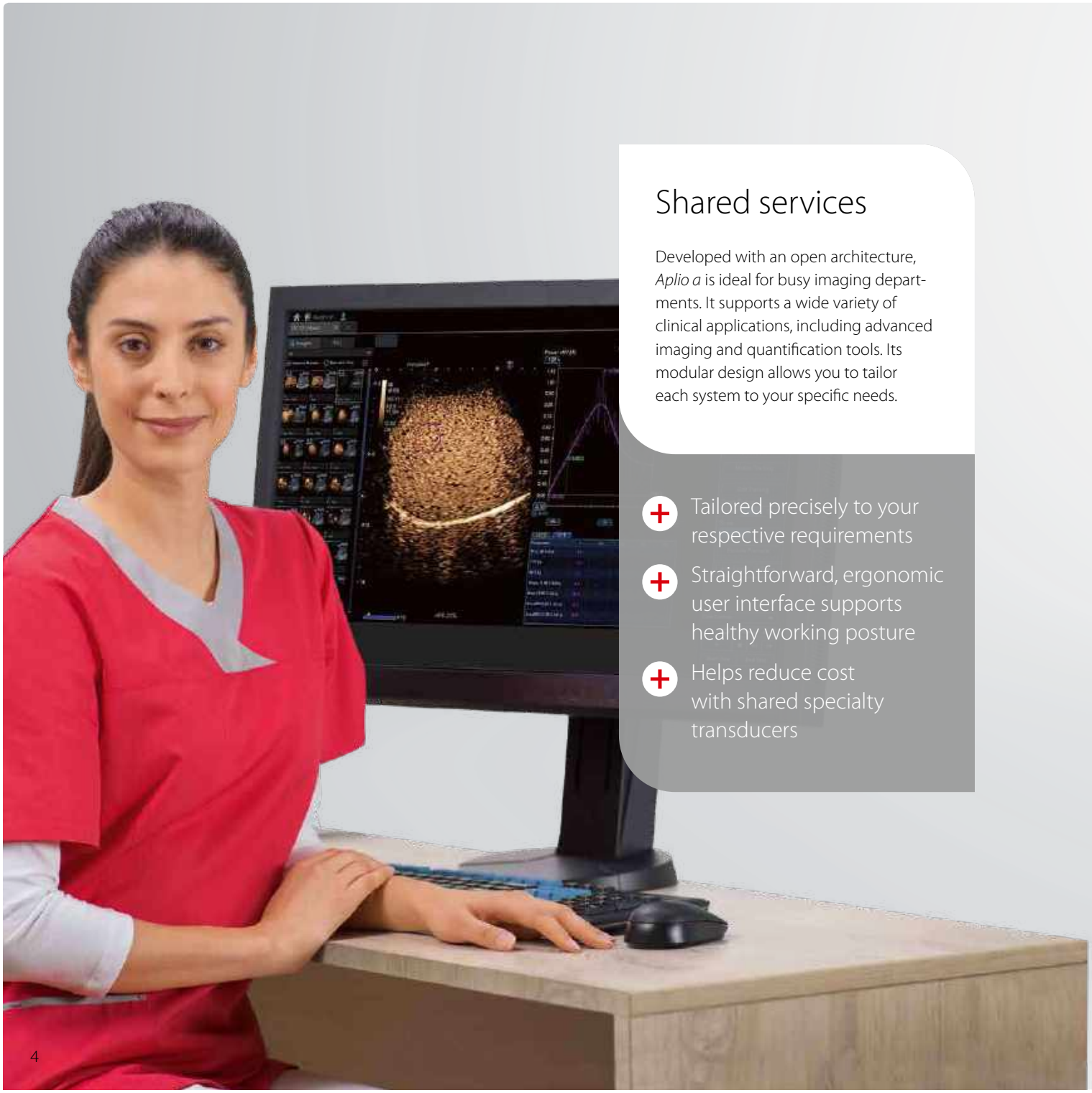
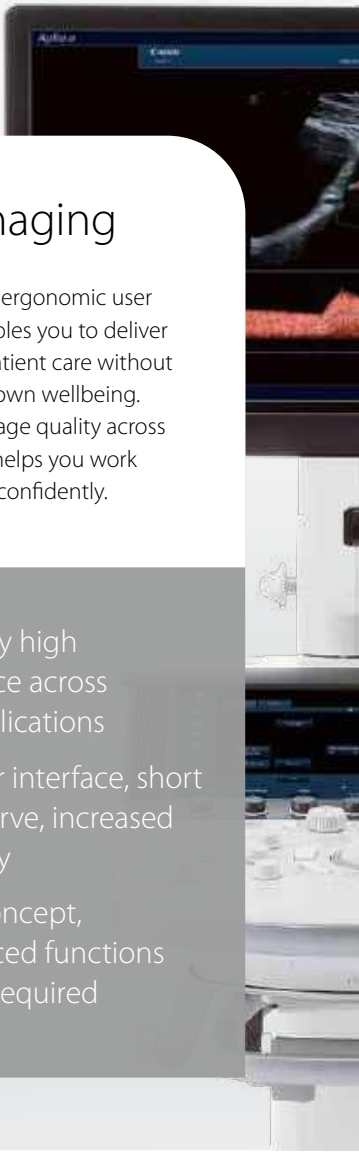
Aplio a integrates industry-leading imaging technologies, advanced applications, and intuitive controls for the busy clinician. *Aplio a* is designed to increase productivity and throughput while maximizing clinical confidence. A feature-rich solution, the system can be scaled for a wide variety of clinical portfolios from shared services to dedicated, specialized applications. Its extensive range of advanced applications can help to strengthen your clinical confidence even for the most demanding of cases.



Shared services

Developed with an open architecture, *Aplio a* is ideal for busy imaging departments. It supports a wide variety of clinical applications, including advanced imaging and quantification tools. Its modular design allows you to tailor each system to your specific needs.

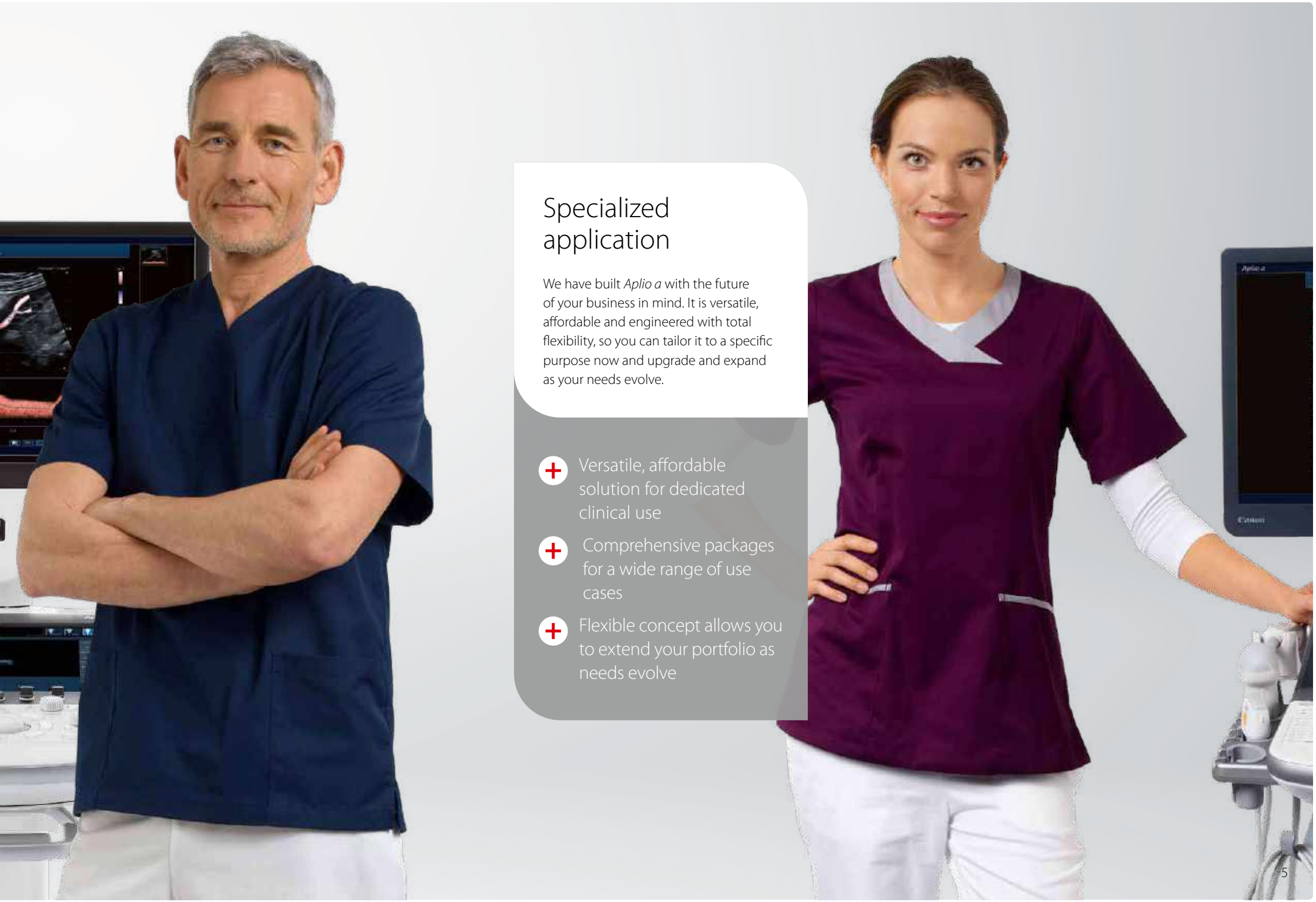
- Tailored precisely to your respective requirements
- Straightforward, ergonomic user interface supports healthy working posture
- Helps reduce cost with shared specialty transducers



General imaging

With its intuitive and ergonomic user interface *Aplio a* enables you to deliver a high standard of patient care without compromising your own wellbeing. Consistently high image quality across clinical applications helps you work more efficiently and confidently.

- Consistently high performance across clinical applications
- Simple user interface, short learning curve, increased productivity
- Modular concept, add advanced functions whenever required



Specialized application

We have built *Aplio a* with the future of your business in mind. It is versatile, affordable and engineered with total flexibility, so you can tailor it to a specific purpose now and upgrade and expand as your needs evolve.

- Versatile, affordable solution for dedicated clinical use
- Comprehensive packages for a wide range of use cases
- Flexible concept allows you to extend your portfolio as needs evolve

Boost your clinical confidence

Aplio's powerful imaging technologies provide you with better image quality with reduced clutter, strengthened signal and improved visualization. The unique aBeam architecture provides the capability to ensure that all of Aplio's unique imaging technologies work together seamlessly for greater uniformity across all applications.

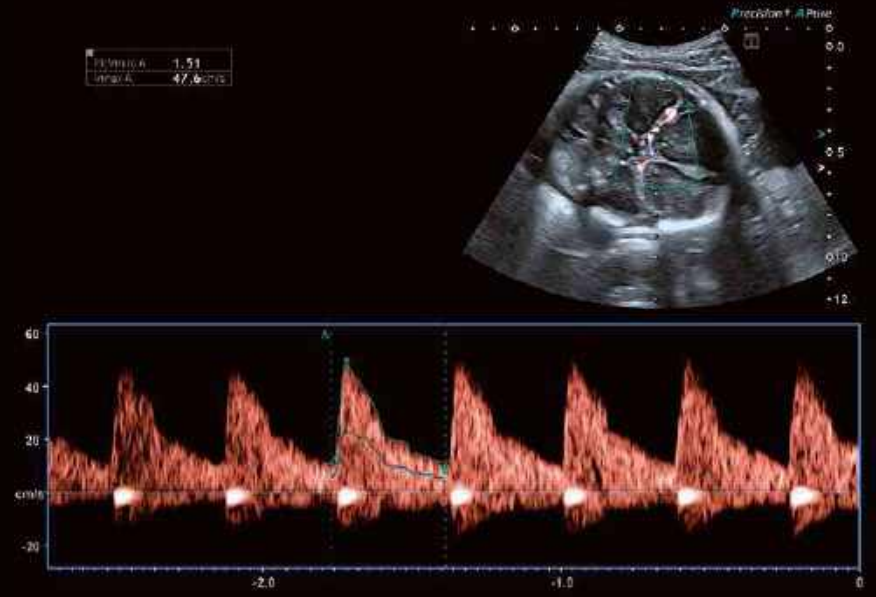
Precision+ offers outstandingly smooth images with sharpened outline of lesions, enhanced image uniformity and reduced clutter.

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

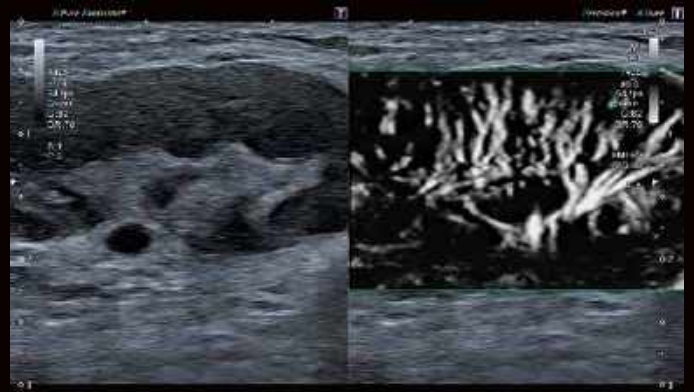
Better diagnostics starts here

Designed to increase efficiency, the system's lightweight transducers feature outstanding clinical versatility, ergonomic shapes and thin, super-flexible cables. *Aplio a* is compatible with a wide range of transducers from across the Aplio product range, ensuring high productivity while helping reduce cost for specialty probes.

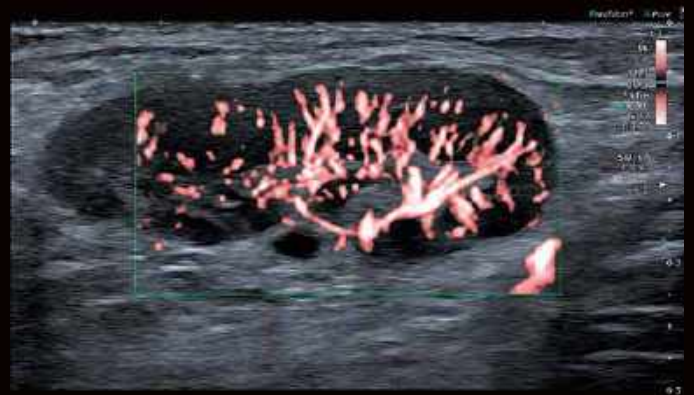
Differential Tissue Harmonics provides harmonic images of unsurpassed spatial resolution, alongside greatly enhanced penetration.



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



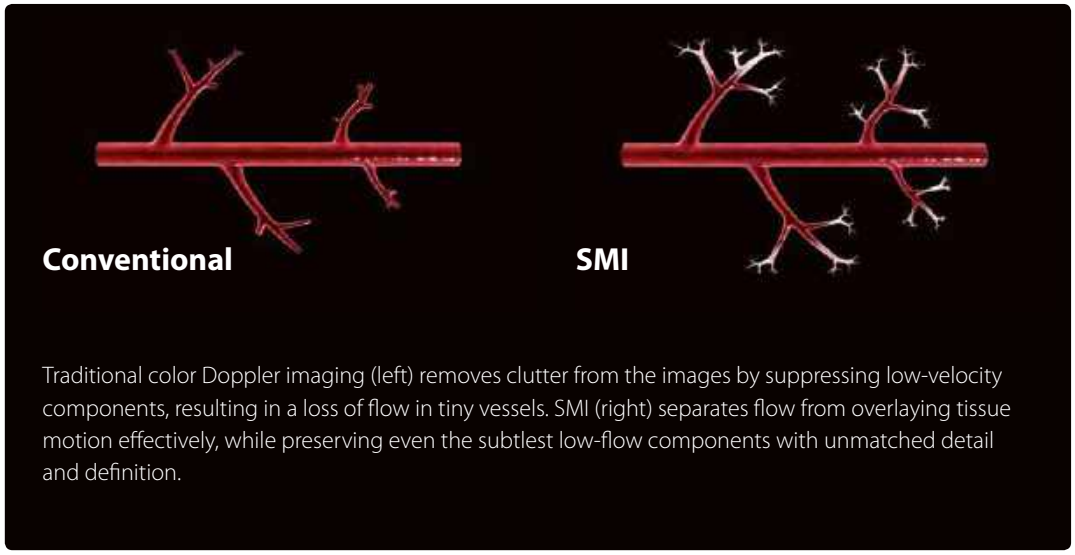
SMI's level of vascular visualization, combined with high frame rates, advances diagnostic confidence when evaluating lesions, cysts and tumors.



Color-coded SMI allows you to depict flow and greyscale information with high temporal and spatial information simultaneously.

Seeing the unseen

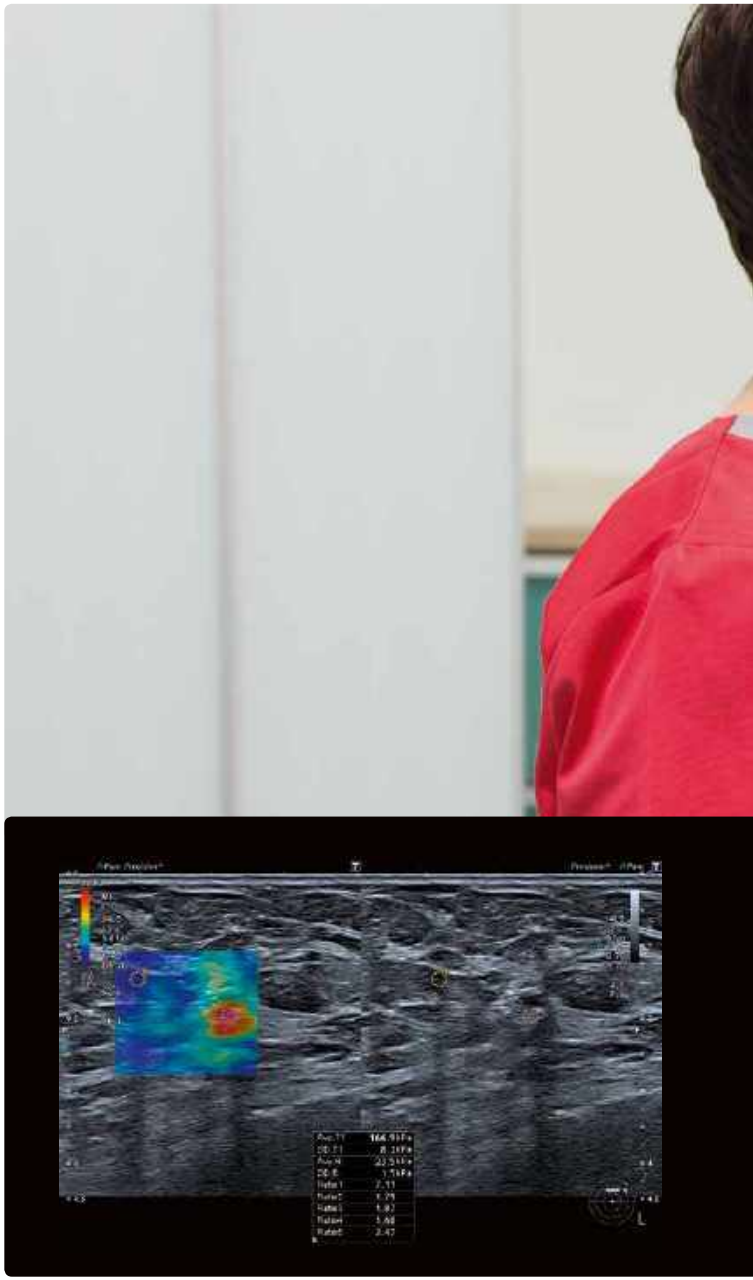
Experience color flow imaging with unmatched detail and definition on *Aplio a*. Superb Micro-vascular Imaging (SMI) expands the range of visible blood flow to a level of detail never before seen with diagnostic ultrasound. Exclusive iSMI now also allows you to image larger regions of interest without a reduction in frame rate.



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

Increase your confidence, expand your capability

Aplio's suite of advanced imaging and quantification functions provides the metrics to help you quickly diagnose with confidence. Combined with tools for early detection and reliable characterization of lesions it can help you optimize your patients' clinical pathway.



Canon Medical Systems' 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.

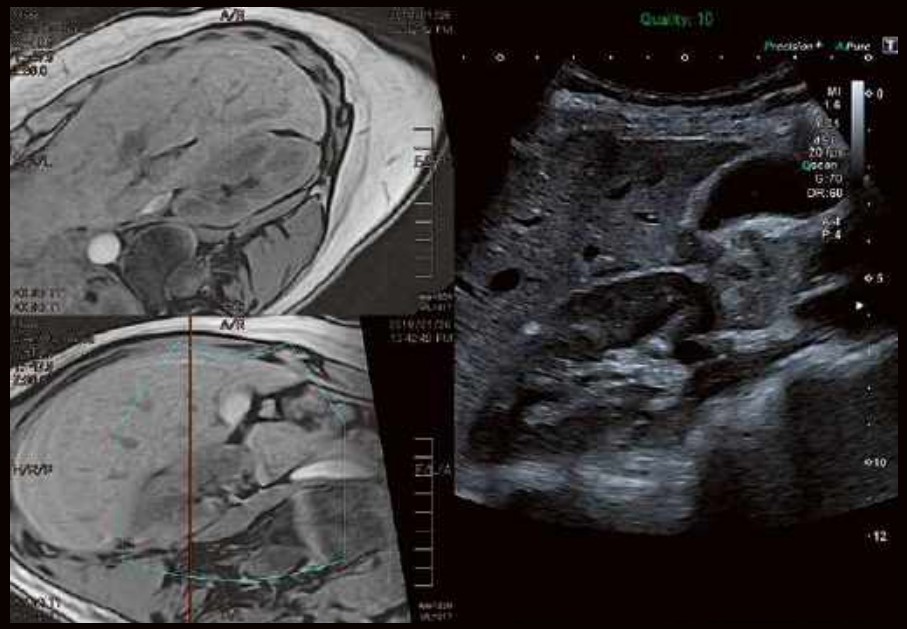
Smart Maps help you visualize and quantify shear wave propagation in realtime. Aplio's unique propagation map is a powerful and intuitive tool to visually assess the quality of an elastogram.

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

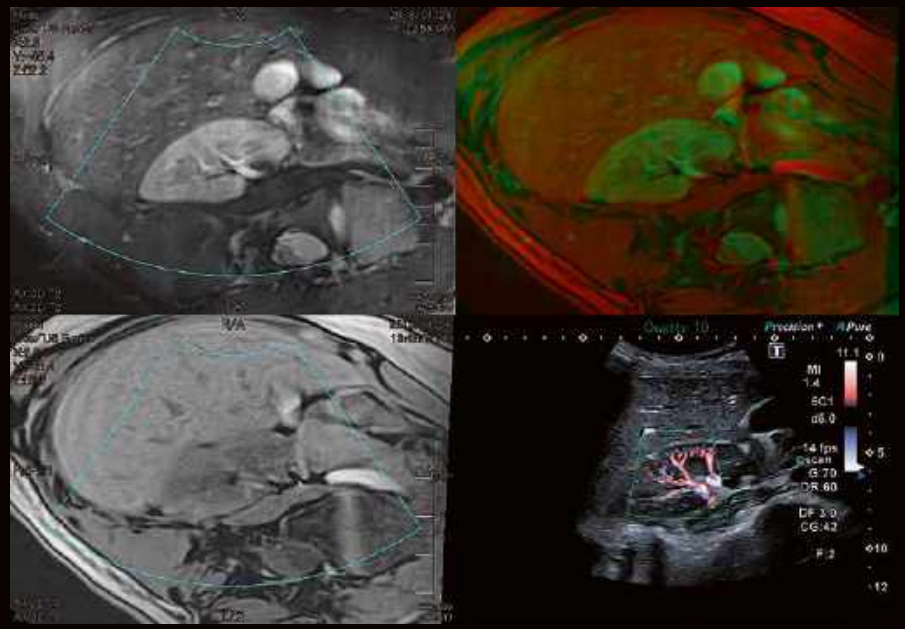
Aplio's comprehensive CEUS imaging and quantification package allows you to assess perfusion dynamics in a wide range of clinical settings, including an ample variety of specialized exams.

Navigate with ease, treat with confidence

Aplio 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.

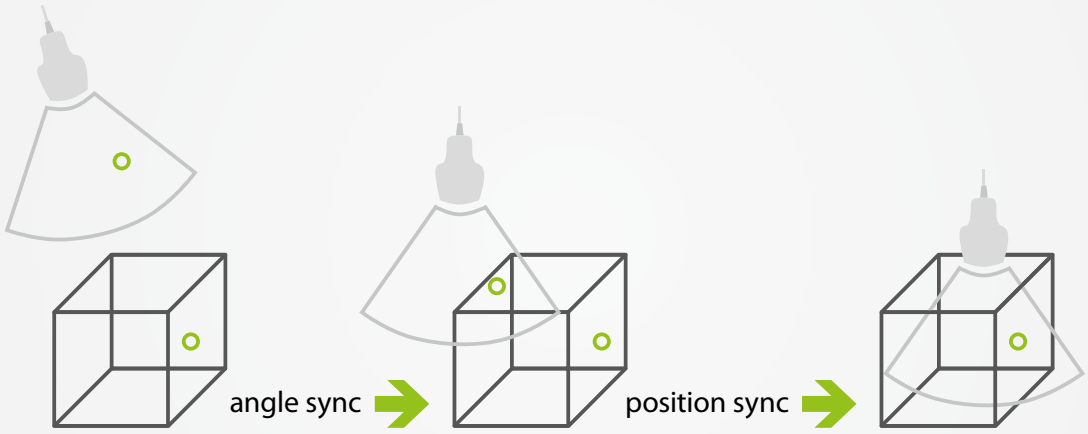


Smart Fusion merges realtime ultrasound with previously acquired CT, MR or ultrasound data, allowing you to identify and compare lesions with ease and to navigate complex anatomy confidently.



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.

Aplio is compatible with a variety of needle guides with multi-angle or free angulation capability, either using brackets or directly mounted on the transducer to ensure easy handling with high precision and minimal blind zone.



Merging modalities to improve visualization

On Aplio, merging two modalities for synchronized display is a simple and quick two-step process. Intelligent target and marker points facilitate navigation in the region of interest.

Better intercostal access

Aplio's thin convex transducers are ideally suited for intercostal scanning. The new biopsy attachment with minimized blind area and selectable puncture angle facilitates optimal puncture conditions for each patient.

Amazing detail, outstanding versatility

A wide range of standard and specialized ultra-wideband high-frequency transducers provide superior detail and definition in the near field for a wide range of examinations.

The ultra-high frequency transducers' outstanding resolution can help identify fine detail such as layered structures and small lesions.

The Panoramic Imaging and Smart 3D options provide simple yet effective ways to add field of view and volume imaging capabilities to the system without the need for additional hardware.

Advanced technologies such as elastography or SMI are also available on specialty transducers for advanced exams e.g. the quantitative assessment of inflammation in small joints.

Wideband Hockeystick
Linear 17LH7

Ultra-Wideview
Linear 14L5

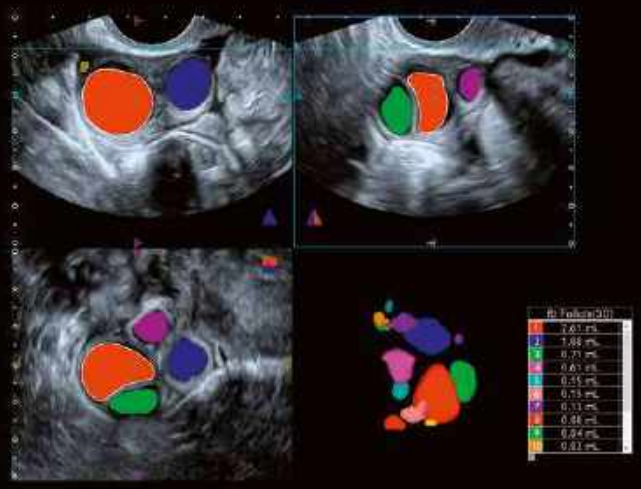
Ultra-Wideband
Linear 18LX7

Exceptional detail for a more precise diagnosis

Both the busy clinician and the patient can benefit from high-resolution 2D 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.

Doppler Luminance provides a homogeneous, easy-to-interpret color display with high accuracy and rich detail, even in the smallest vessels. Doppler Luminance offers high frame rates while maintaining full B-mode image quality.

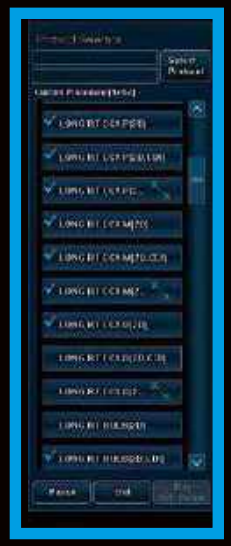
Luminance offers natural-looking 3D renderings of high quality and definition, providing strong visual feedback on depth and detail from the first trimester onwards.



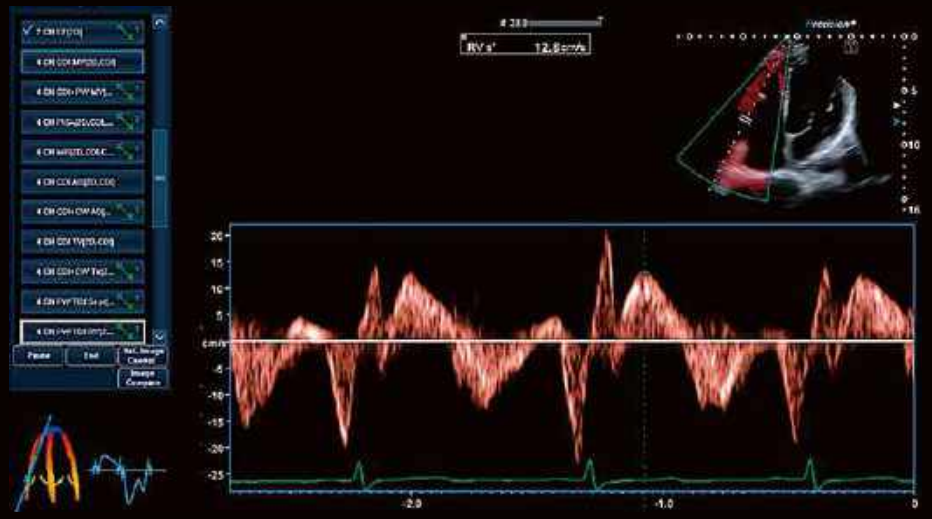
A wide range of MultiView options provides high-resolution cross sections, helping you to better understand anatomical relationships or to accurately determine the amount and size of follicles.

Accurate cardiovascular quantification, regional myocardial function

Functional assessment is at the heart of cardiovascular imaging. By providing valuable additional information in easy-to-understand visual, parametric or quantitative formats, Aplio's advanced clinical functions can help you get your diagnostic answer faster and more reliably.

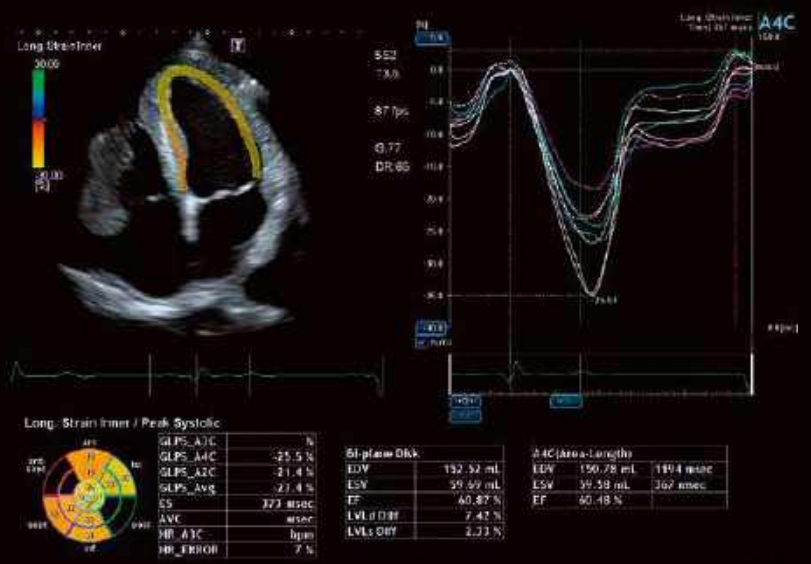


Aplio's Protocol Assistant navigates you through your workflow, ensuring that exams are done consistently patient after patient. While the clear, easy-to-read menu guides you through an exam, it also provides flexibility to step in and out whenever needed.



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

Supporting standard and user-defined protocols for both physical and pharmacological stress, Aplio offers a comprehensive package for fast and accurate wall motion assessment.



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

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10C1

Aplio makes your work flow

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

Designed with our users in mind

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

Switch to auto-pilot

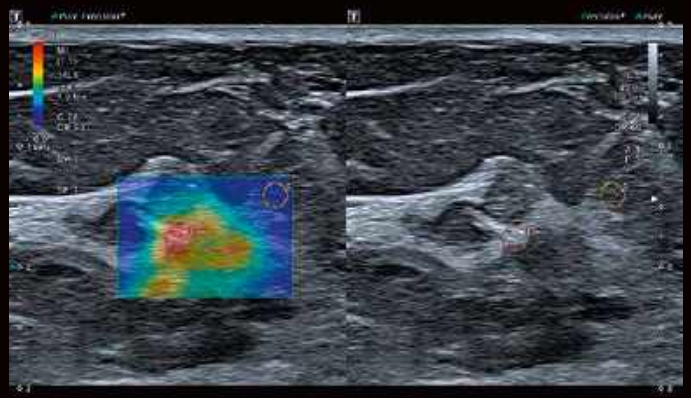
Aplio's context-sensitive user interface is designed to make your imaging task simpler and quicker. While automated settings can deal with routine clinical needs, you always retain control over all imaging parameters when needed.

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.

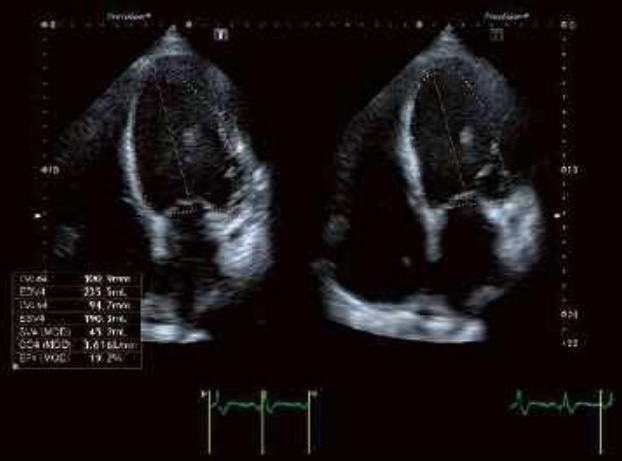
Access all areas

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.

Realtime QuickScan allows you to achieve greater consistency in your exams by ensuring that superb image quality is the benchmark.



Aplio's embedded raw data architecture allows you to optimize, review, analyze and report clinical data anytime with no loss of functionality.



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

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