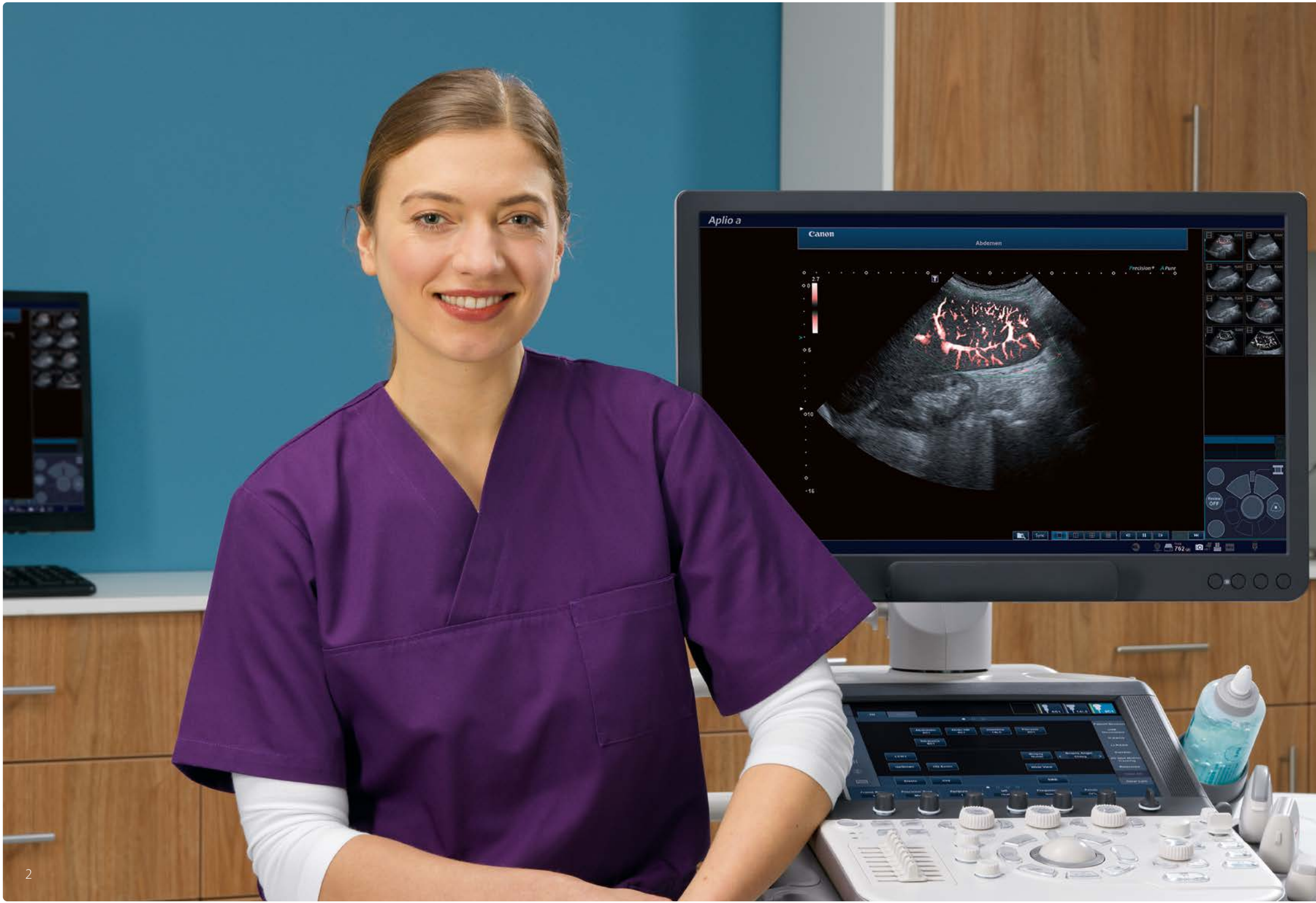
Canon

Aplio a

Advanced. Seamless.
Integrated.

powered by AI

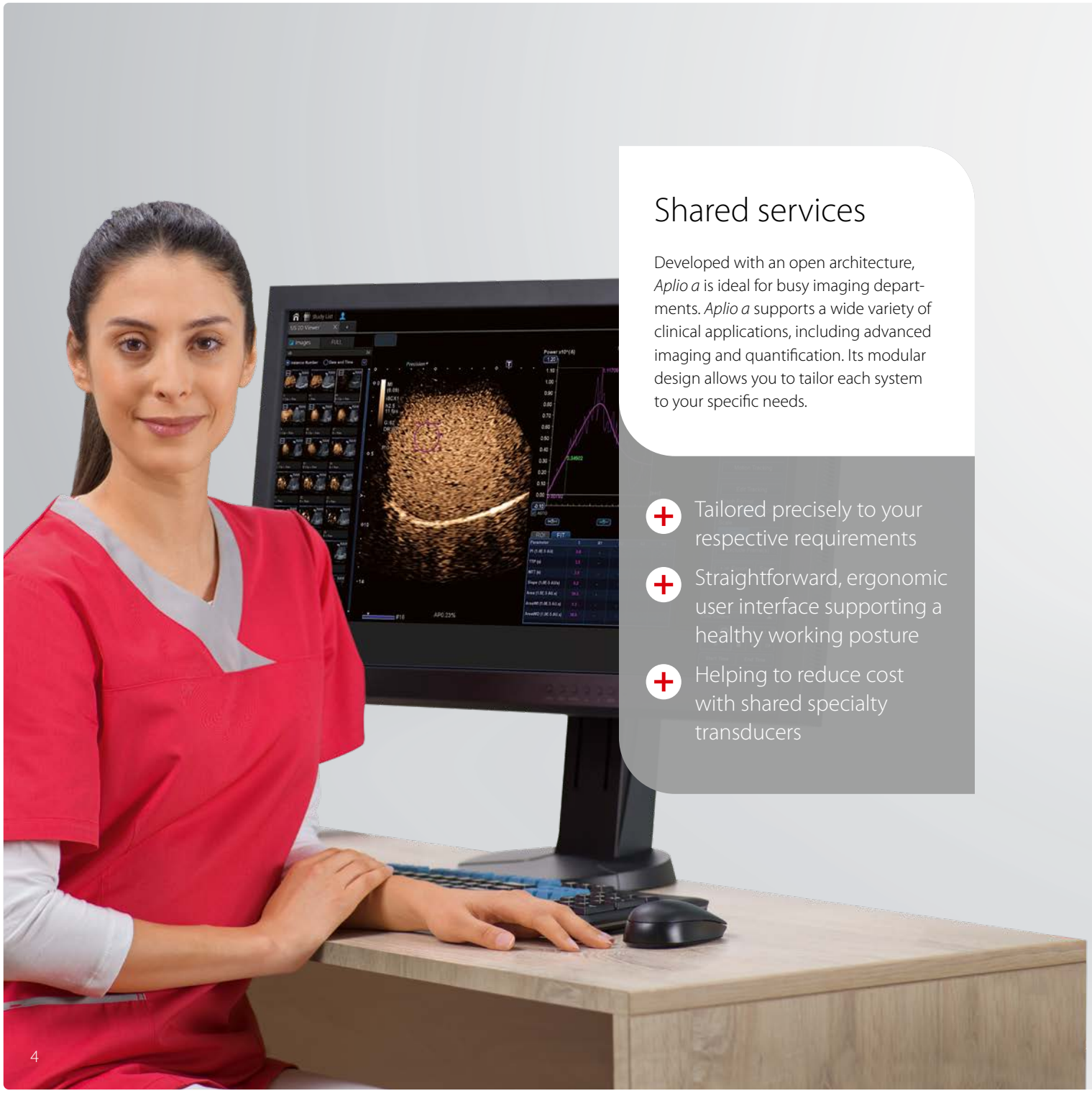

Aplio a
Canon
Abdomen

Aplio *a*

powered by **AI**

Advanced. Seamless. Integrated.

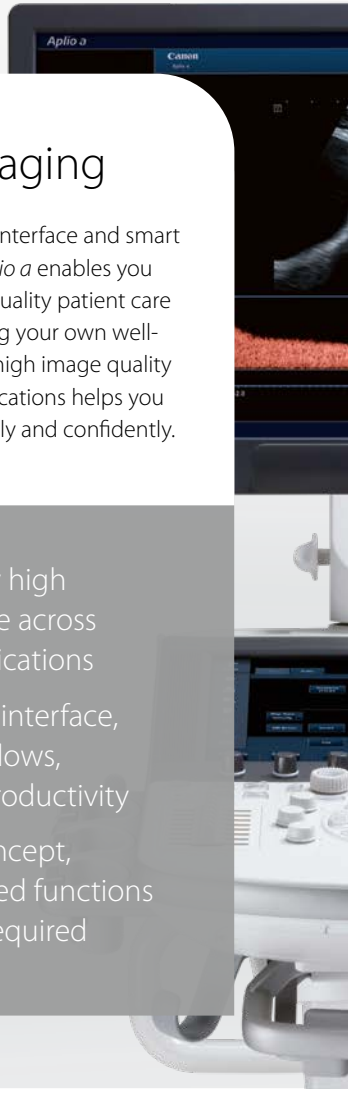
Designed to increase productivity and throughput while maximizing clinical confidence of the busy clinician, *Aplio a* integrates industry-leading imaging, advanced applications and smart workflows into a small, lightweight package. The system can be scaled for a wide variety of clinical portfolios from 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. *Aplio a* supports a wide variety of clinical applications, including advanced imaging and quantification. Its modular design allows you to tailor each system to your specific needs.

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



General imaging

With its intuitive user interface and smart workflow support, *Aplio a* enables you to provide fast, high-quality patient care without compromizing your own well-being. A consistently high image quality across all clinical applications helps you to work more efficiently and confidently.

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

Dedicated applications

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 or expand as your needs evolve.

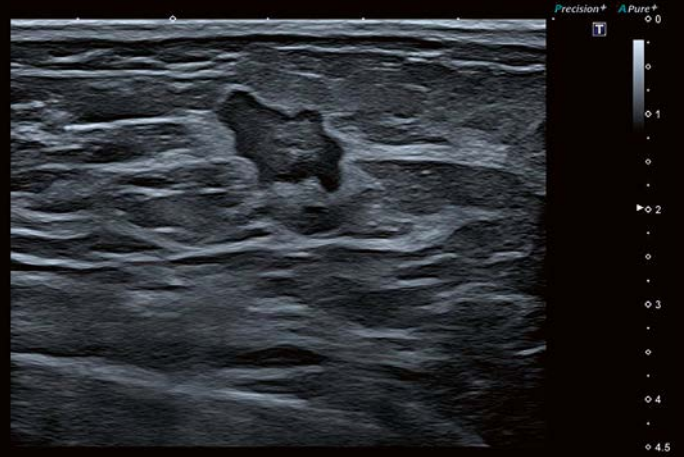
- Versatile, affordable solution for dedicated clinical use
- Comprehensive packages for a wide range of use cases
- Flexible concept allowing you to extend your portfolio as needs evolve

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 imaging technologies work together seamlessly for greater uniformity across all applications.

Precision+ offers outstandingly detailed 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.

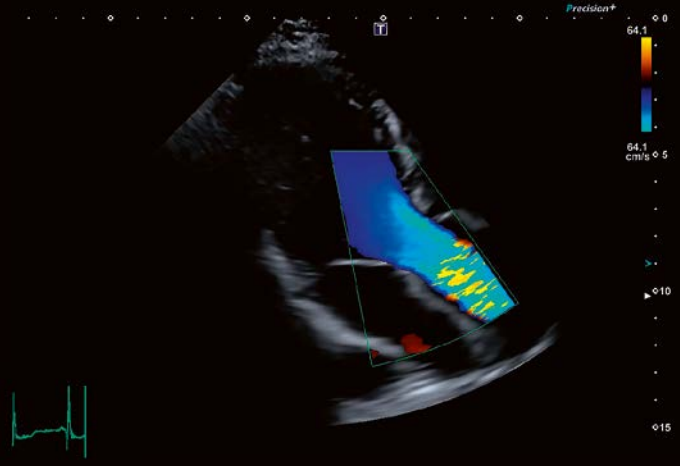


Differential Tissue Harmonics provides harmonic images of unsurpassed spatial resolution alongside greatly enhanced penetration.

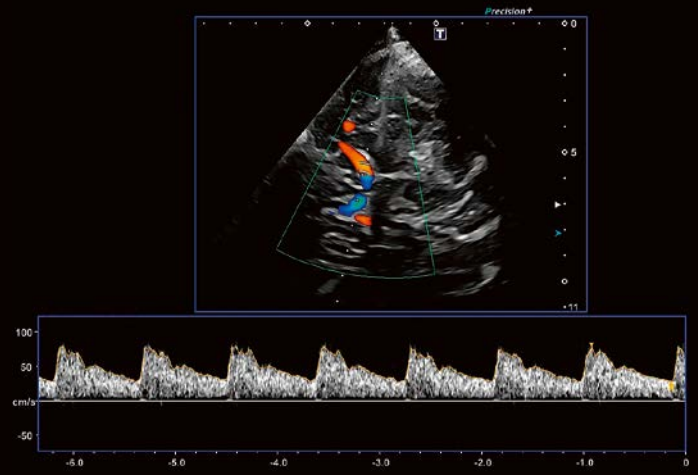
Better diagnostics starts here

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.

Ultra Wide View is a Canon-unique technology which increases the transducer's field of view while maintaining excellent image quality throughout – thus letting you simply see more.

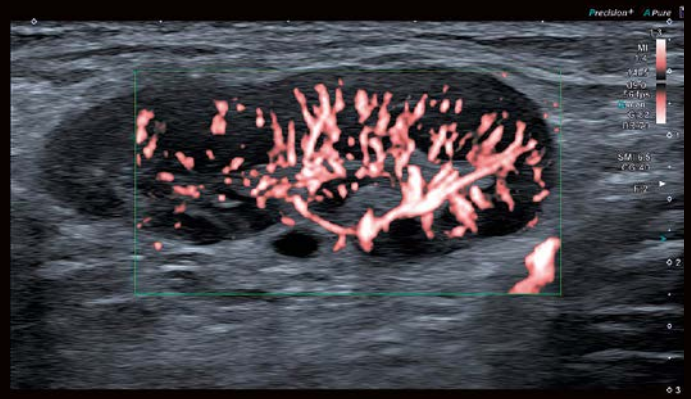


Aplio's sensitive color Doppler modes can help you reveal flow patterns with high definition and high frame rates while maintaining the full B-mode image quality.



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

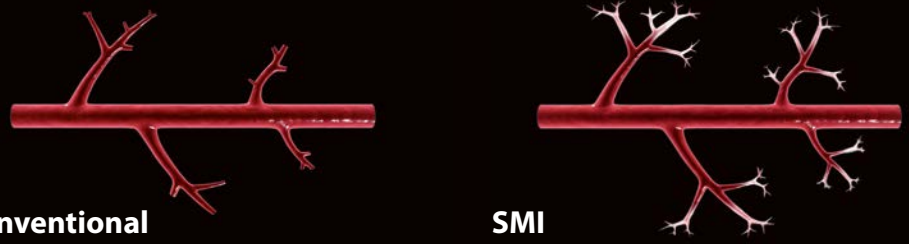
SMI's level of vascular visualization, combined with high frame rates, advances diagnostic confidence when evaluating lesions, cysts and tumors.



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.

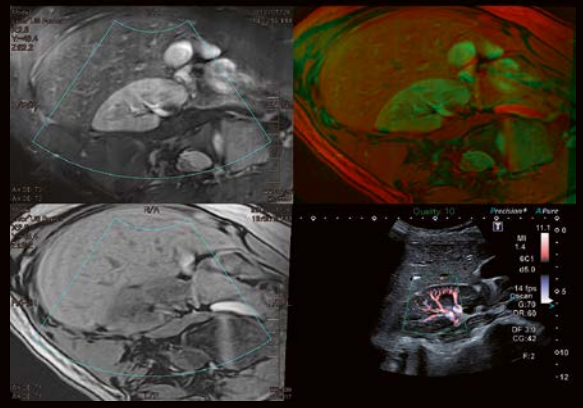
Canon's shear wave technology provides a real-time quantitative display of tissue elasticity in a variety of clinical settings. The unique propagation map can help to visually assess the quality of an elastogram.

Aplio provides a wide range of clinically proven screening and analysis tools. Attenuation Imaging (ATI) for example enables the quantitative assessment and staging of steatosis as part of daily routine.

Combining the results of ultrasound and external exams into a single multi-parametric report can help you gain a more complete understanding of the disease status.

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.

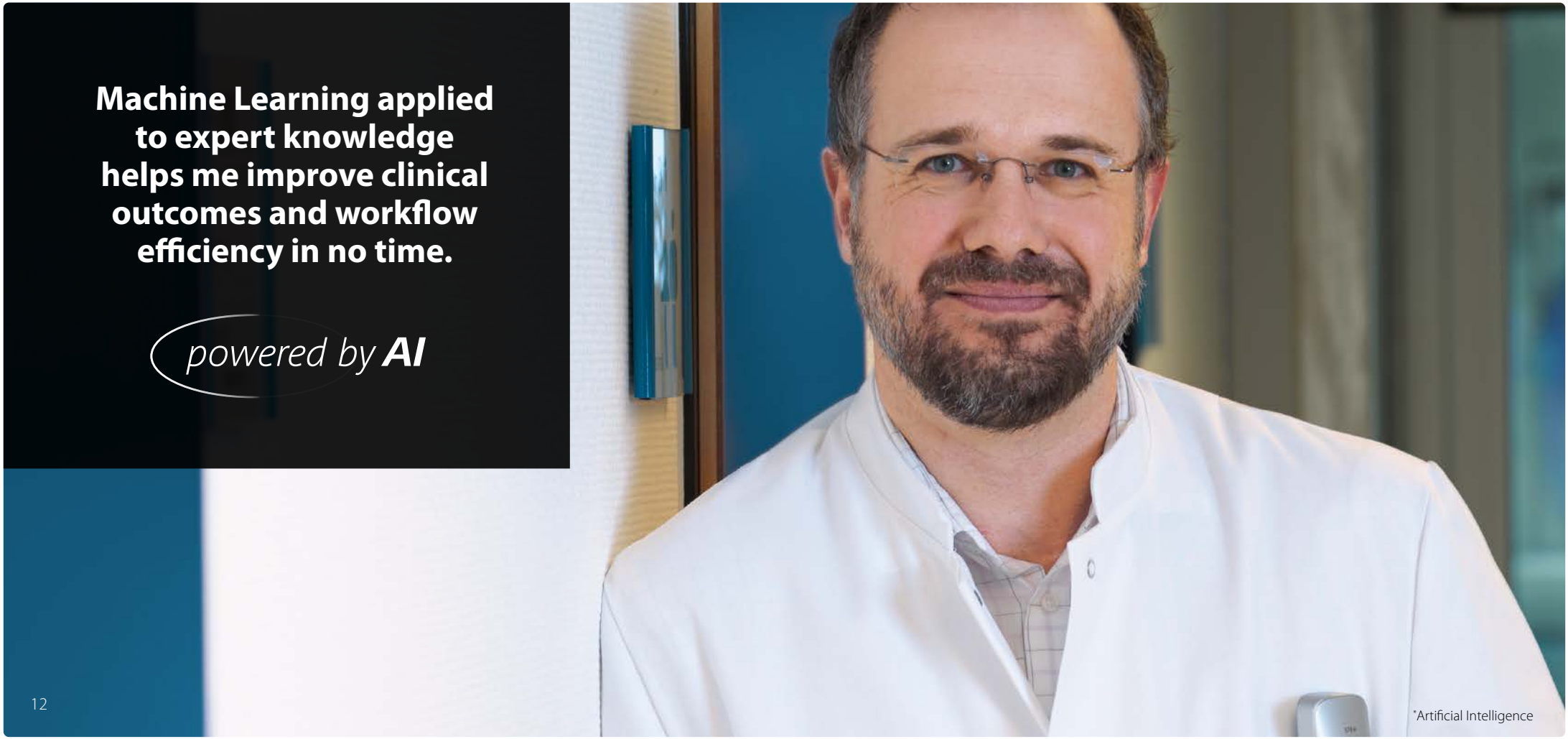


Aplio’s comprehensive CEUS imaging and quantification package allows you to assess perfusion dynamics in a wide range of clinical settings, including an ample variety of specialized exams.

For advanced lesion assessment, Smart Fusion allows you to work in multiple imaging modes, including color Doppler and CEUS. The quad display shows the live ultrasound image in sync with multiple views of the pre-loaded CT, MRI or PET data.

Welcome to the age of AI*-assisted imaging

With Canon's suite of intelligent, forward-thinking technologies it's now easier than ever to deliver safe, precise diagnosis and treatment to every patient. While Aplio's smart, AI-driven algorithms allow you to create simple and streamlined workflows, they can also help to deliver fast and accurate results for a more personalized treatment of your patients.



*Artificial Intelligence

Intelligent healthcare made easy

Aplio a provides a range of flexible, AI-assisted productivity functions enabling you to optimize system operation to match your specific requirements with a programmable, context-sensitive user interface, AI-driven single-click smart functions and adjustable workflow protocols.

Standard plane detection

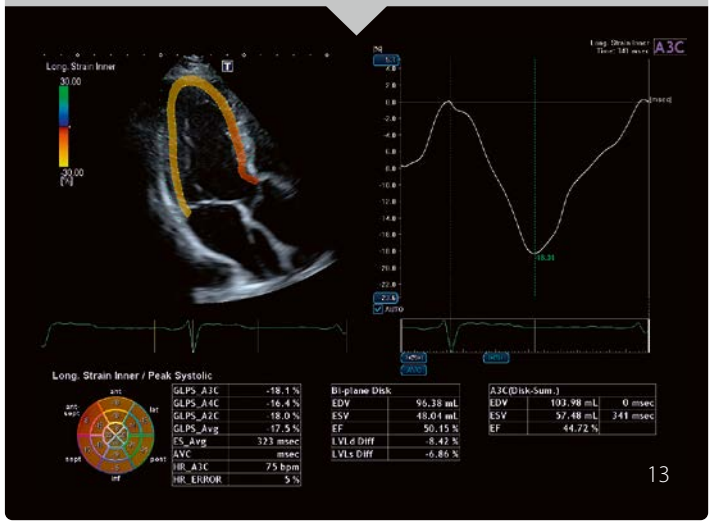
Deep Learning-empowered Smart Area Indication applications for OB help you identify standard anatomical views for faster workflow and enhanced uniformity exam results.

Automatic identification

Smart algorithms can automatically identify anatomical structure and thus help you to speed up tedious measurements or automated registration of modalities in complex fusion applications.

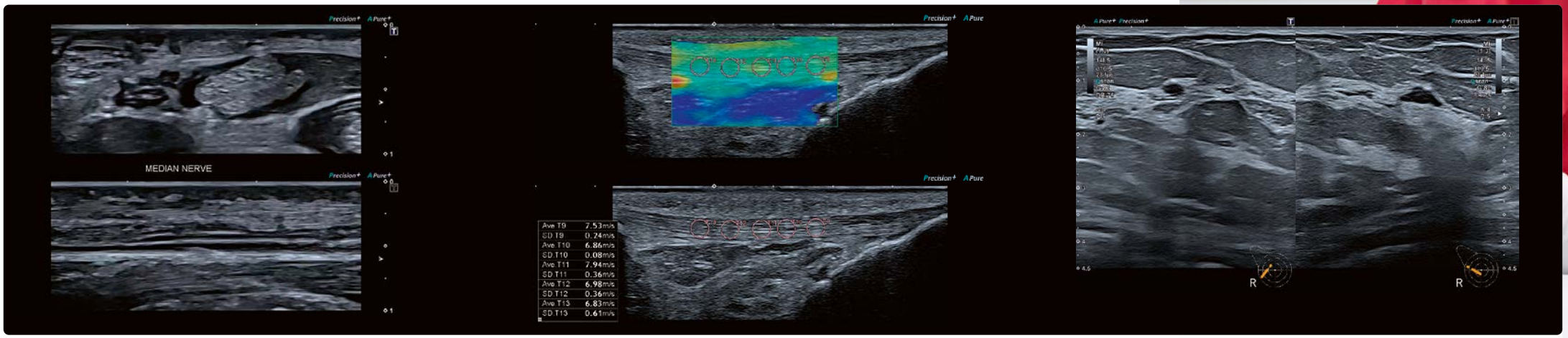
Single-click measurements

The automated detection and measurement powered by AI helps you improve your workflow consistency and efficiency simply at the touch of a button.



Amazing detail, outstanding versatility

A wide range of standard and specialized high-frequency wideband transducers provide superior detail and definition in the near field for a wide range of examinations. Advanced imaging tools allow you to provide deeper, more precise clinical insights.



The outstanding resolution of Canon's high frequency transducers can help identify fine details such as layered structures and small lesions.

Many of Aplio's advanced visualization and quantification tools such as Shear Wave Elastography with optionally extended detection range are also available for specialized examinations.

Evidence-based reporting of the ultrasound examination is increasingly important. The fully automated display of the transducer position with Smart Body Mark can make this task easier and faster.

Wideband Hockeystick
Linear 17LH7

Wide-View
Linear 14L5

Matrix
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 delivers excellent imaging, especially also in difficult-to-scan, high BMI patients. AI-based, automated algorithms support fast and reliable diagnostics.

powered by ***AI***

Aplio a can help you simplify and streamline repetitive tasks such as performing growth measurements with the AI-enabled automatic detection of standard scan planes and automated measurement.

Doppler Luminance offers a homogeneous, easy-to-interpret color display with great accuracy, high frame rate and richness of detail, even in the smallest of vessels.

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

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.

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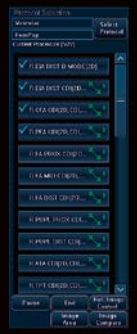
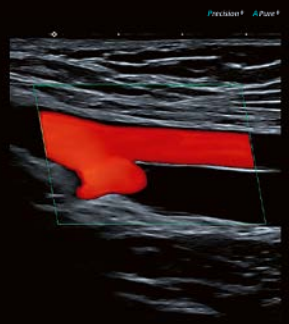
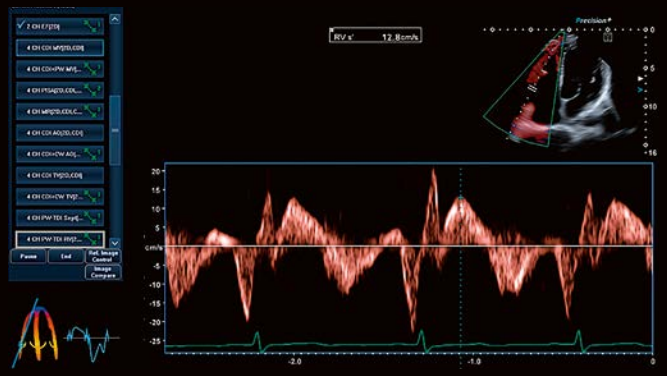


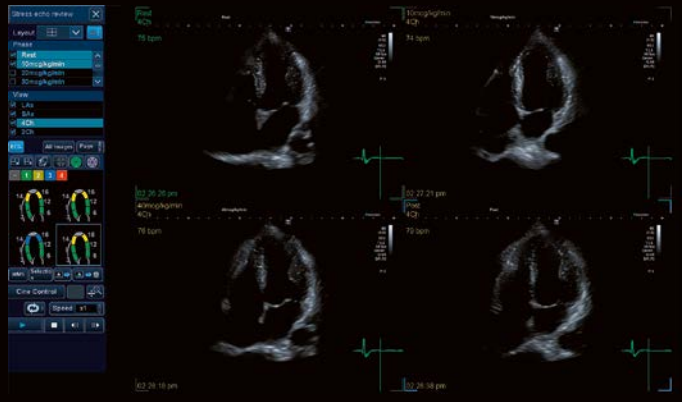


Aplio's Protocol Assistant navigates you through your workflow with a clear, easy-to-read menu. While ensuring that exams are done consistently, it also provides flexibility to step in and out as needed.

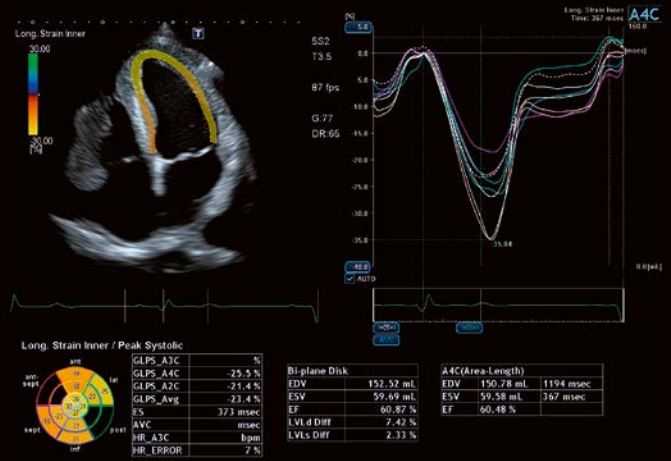
A range of AI-enabled, automated measurement and analysis tools including Auto EF for both left ventricle and atrium or the automated IMT measurement helps you increase accuracy, consistency and speed of your exams.



Aplio provides clear Tissue Doppler images and pulsed wave traces for precise assessment of myocardial function in both visual and quantitative formats.

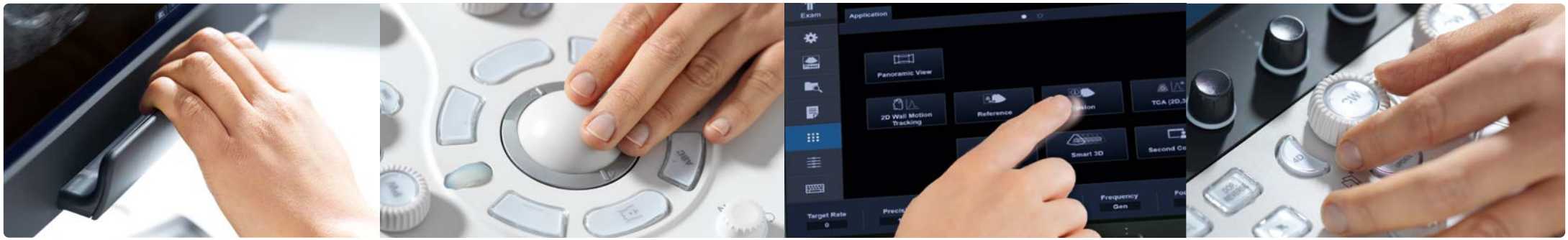


Supporting standard and user-defined protocols for both physical and pharmacological stress, Aplio offers a comprehensive package for fast and accurate wall motion assessment.



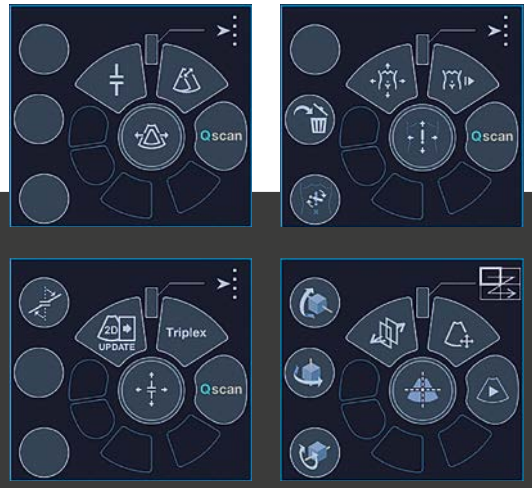
Aplio's advanced Wall Motion Tracking technology provides immediate visual and quantitative access to global and regional myocardial wall motion dynamics.

Aplio's comprehensive Workflow Navigator and evidence-based report functions can help you ensure consistent reproducible results and documentation for every examination.



Make your work flow with ergonomics that excel

Aplio a is designed to make your imaging task simple and quick while allowing you to scan in a comfortable, patient-engaging position. The system 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.



Aplio's context-sensitive user interface is designed to make your imaging task simpler and quicker.

Optimal ergonomics and mobility

Small and light, *Aplio a* is easy to maneuver and simple to set up ergonomically sound for merely any scanning situation.

- Large 23" monitor with fully articulating arm and handgrip
- Concise panel with 36 cm height adjustment range
- Comfortable handles on both sides for easy transport and positioning
- Backlit transducer connectors and convenient footrest
- Easy-roll casters with steer mode to aid system relocation

Collaborate and communicate

Aplio a is a multipurpose solution with consistently high-quality imaging, streamlined workflow and expert tools for a very wide range of clinical specialties. The system offers a wealth of functions allowing you to connect to your network, to collaborate with experts, and to communicate directly with colleagues or Canon specialists.

Aplio connects seemlessly into hospital networks providing a full-spectrum solution that helps you manage patients and exams more efficiently while embracing standardized data formats.

For smaller hospitals or practices without an extensive hospital network, Aplio also offers the option of connecting to a local NAS in order to store and share all data securely.

With dedicated imaging and navigation tools, *Aplio a* is perfectly suited to enhance clinical confidence and accuracy of complex, multi-disciplinary interventions.

As a true multipurpose solution, Aplio allows you to work hand in hand with peers from other clinical specialties and to share findings with ease.

Work offline without loosing functionality

With the embedded raw data functionality you can optimize, review, analyze and report your clinical data either on the system or on an optionally available workstation with the same functionality and comfort.

Remote connect

Need expert advice? Or want to share some findings with peers? With Canon's optional ApliGate solution you can interact securely – right from your workplace.

Cloud services

The system's integrated Tricefy* option gives you direct access to cloud-based communication, image management and documentation. With Tricefy, you can instantly share medical images and reports with patients referring doctors.

Remote support

Connecting Aplio with Canon's InnerVision remote support is simple, safe and provides you with a wealth of benefits that you'll be able to enjoy directly at your system.

*Tricefy is an independent third-party service that requires an additional third-party subscription and may not be available in all regions.

Aplio a

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Canon Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.
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Please contact your local Canon Medical representative for details.

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