

Canon



Women's Health

For every stage of life

Ultrasound solutions





Women's Health



Tailored solutions for every clinical need

From routine screening to clinical research, from assisted reproduction to high-risk assessment, from gynecological imaging to interdisciplinary assessment, Canon Medical offers a wide range of Women's Health solutions helping you to meet your specific clinical and budgetary needs. The multidisciplinary approach of our diagnostic ultrasound range ensures consistently high image quality with superior productivity across the clinical portfolio.



Prenatal ultrasound

From busy clinics to leading institutions, Canon Medical offers optimal solutions for your prenatal imaging needs. Industry-leading image quality, outstanding usability, and a variety of expert tools help you achieve optimal clinical outcomes.

- + Superior imaging from early pregnancy to delivery and beyond
- + Expert tools for routine and specialized tasks
- + Straightforward, ergonomic user interface supports healthy working posture

Assisted reproduction

Our Women's Health range offers a wide range of tools for fertility evaluation and treatment of associated reproductive disorders. Innovative technologies help you make the process faster, more reliable and less invasive for the patient.

- + Affordable solution for dedicated clinical use
- + Wide range of specialized tools for dedicated tasks
- + Simple user interface with short learning curve for increased productivity



Gynecology and beyond

The multidisciplinary origins of Canon Medical's ultrasound portfolio provide a wider range of diagnostic capabilities while delivering high performance and image quality so you can expand your capabilities as needed.

- + Consistent high-quality imaging across a wide range of applications
- + Enabling multidisciplinary assessment from a single source
- + Flexible platform allowing you to expand your portfolio as needed



Prenatal ultrasound

From busy private clinics to leading institutions and research centers – Canon Medical offers optimal solutions to match your prenatal imaging needs. Industry-leading image quality, outstanding ease of use and a wide range of expert tools help you ensure optimal clinical results.





Redefining first-trimester screening

Early detection of fetal anomalies is crucial for efficient intervention and confident decision making as early as possible. Canon Medical's advanced transducer and beamforming technology provides high-quality imaging with unprecedented detail and clarity at every step of fetal development.

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



Precision and AppliPure+ offer outstandingly smooth images with increased imaging contrast, enhanced uniformity and reduced speckle noise to improve visualization even in an early stage of fetal development.



SMI is ideally suited for assessing fetal hemodynamics, especially in the first trimester. Its unmatched spatial resolution and sensitivity allow precise visualization of flow patterns in the fetal heart, lungs and abdomen or any other body part.

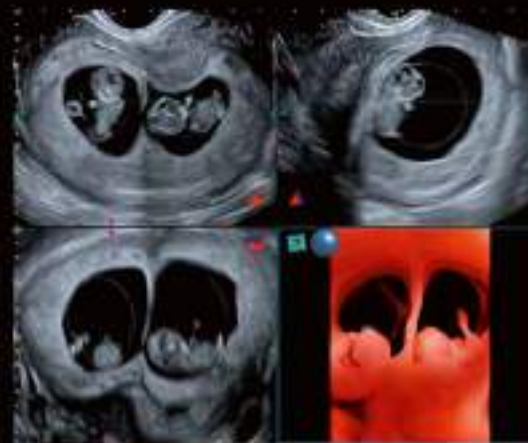


Better diagnostics starts here

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



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.



High-quality, high-resolution volumetric imaging can help evaluating pregnancies already in the first stages of life as shown in this dichorionic twin pregnancy at 9 weeks with clearly defined septum between both sacs.



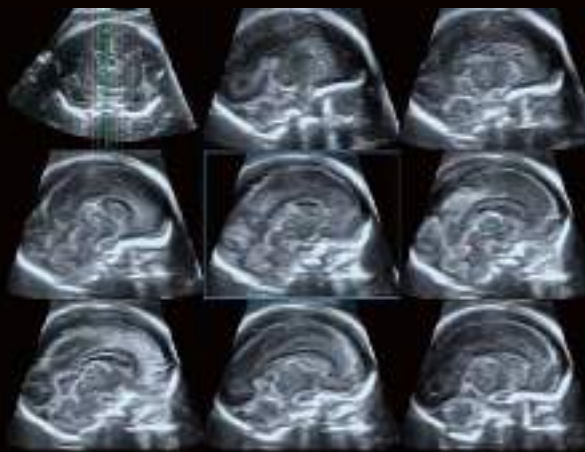
Aplio's wideband transducer and signal processing technologies deliver outstanding sensitivity, penetration and spatial resolution for all Doppler modes, which is an important tool for successful assessing of the ductus venosus.

Exceptional detail for a more precise diagnosis

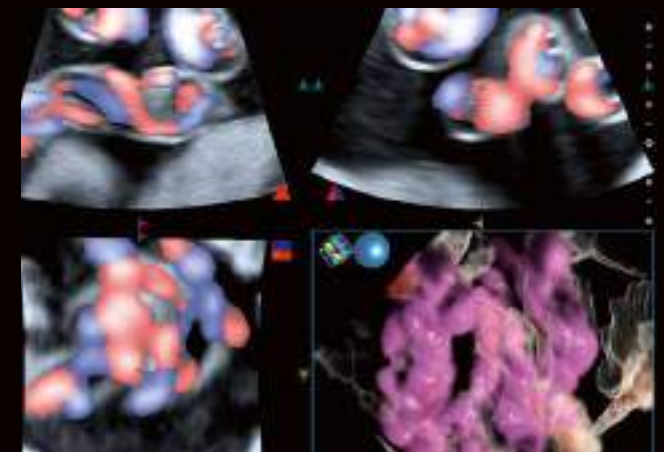
Both the busy clinician and the patient can benefit from volumetric ultrasound. Aplio's comprehensive volume imaging suite extends your diagnostic capabilities into the next dimension of imaging with extraordinary image quality and uncompromised workflow.



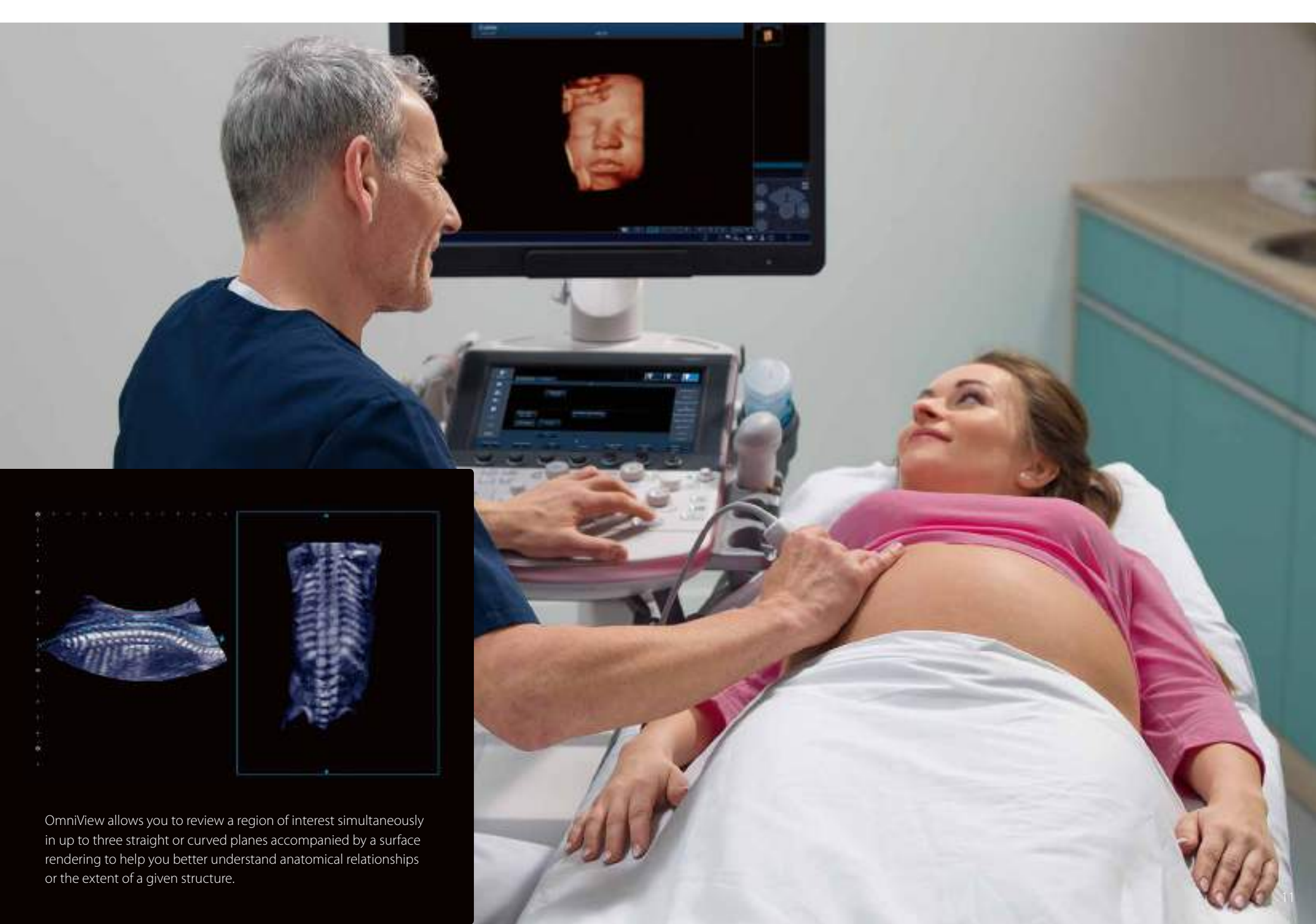
Luminance offers natural-looking 3D renderings of high quality and definition, providing strong visual feedback on depth and detail from the first trimester onwards.



MultiView is an effective tool for the assessment of complex 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.



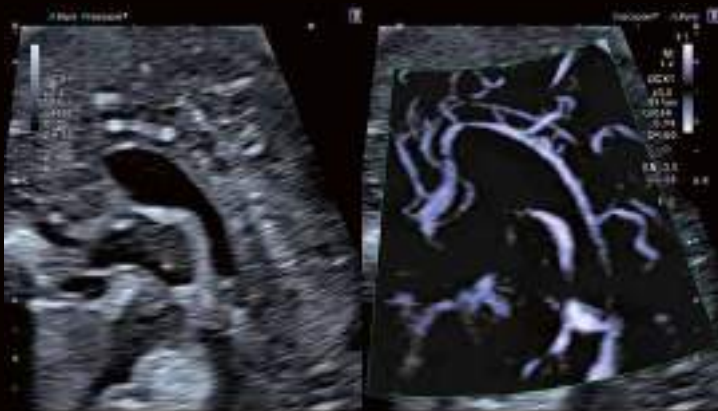
Combine both anatomical structure and vascular flow with Shadow Glass. Adding a semi-transparent glass effect to the skin surface, it helps you reveal more clinical detail.



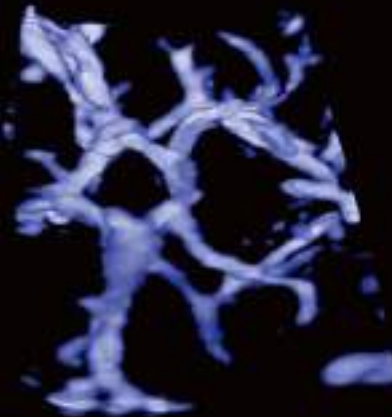
OmniView allows you to review a region of interest simultaneously in up to three straight or curved planes accompanied by a surface rendering to help you better understand anatomical relationships or the extent of a given structure.

Evaluating the fetal brain

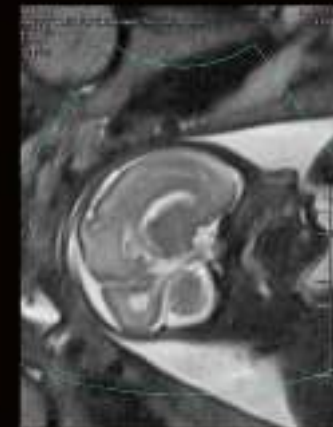
Fetal neurosonology has become increasingly important for detecting signs of larger and smaller fetal anomalies. Outstanding detail and resolution combined with powerful clinical applications such as SMI, freehand 3D and Smart Fusion allow you to perform every examination at the highest possible standard.



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



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



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



Conventional



SMI

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.

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 prepare parents for what is ahead. Canon Medical's advanced fetal echocardiography tools provide unmatched visualization and quantification for every phase of the pregnancy, including the important first trimester.



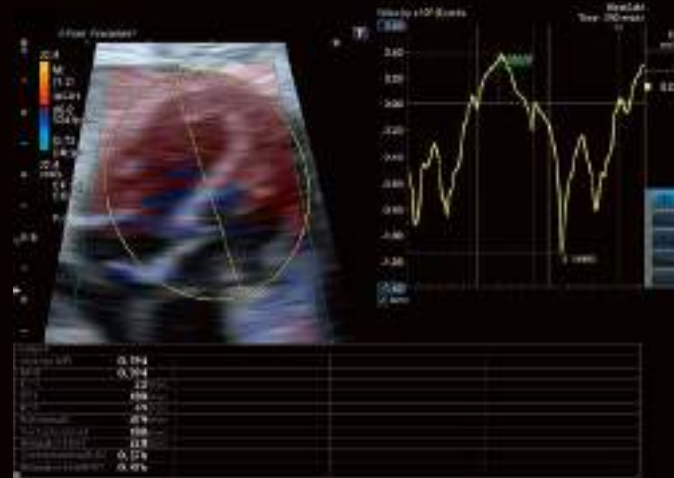
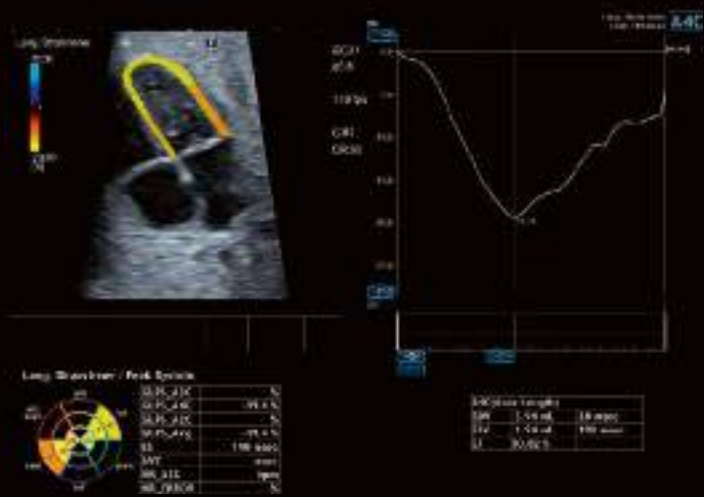
Canon Medical's ultra-wideband transducers work hand in hand with a whole range of powerful image enhancement technologies to provide outstanding definition and detail alongside reduced noise.



SMI is ideally suited for assessing fetal hemodynamics, especially in the first trimester. Its unmatched 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 around key anatomical structures of the heart and greater vessels with high resolution and sensitivity while maintaining full image quality for better visualization of defects.



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

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

Smart fetal heart helps you improve workflow and consistency of exams by extracting multiple standard views or a series of slices from 3D data of the fetal heart in an instant.

Assisted reproduction

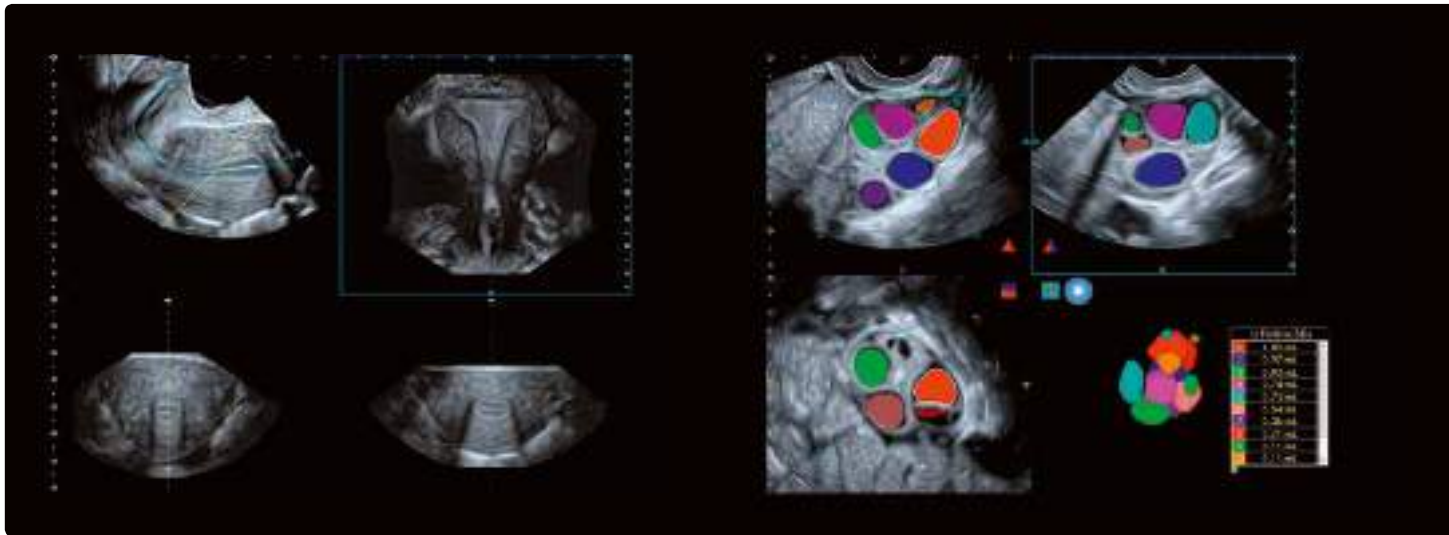
Our Women's Health range offers a wide range of tools for fertility evaluation and treatment of associated reproductive disorders. Innovative technologies help you make the process faster, more reliable and less invasive for the patient.





Helping to fulfil your patients' desires

Getting pregnant is not always easy. Our Women's Health range provides a wide range of tools including photorealistic 3D rendering, follicle assessment and Fly Thru virtual hysteroscopy for efficient screening, in-depth investigation and treatment. For your patients, this means getting results faster, more reliably and less invasively.



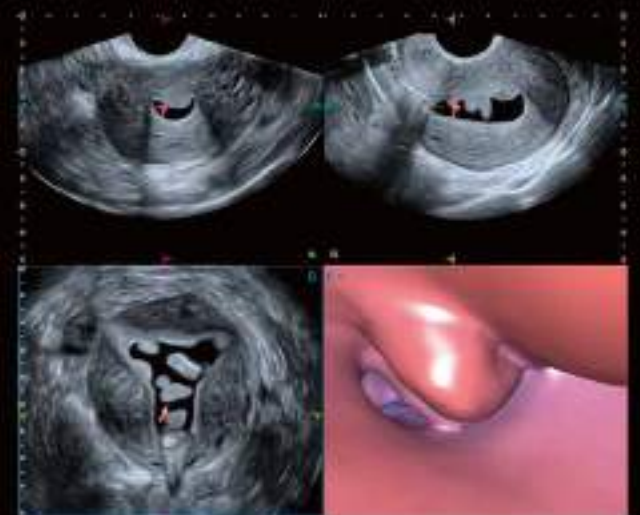
Our Women's Health range provides high-quality images with outstanding contrast resolution, helping you to assess thickness, texture and delineation of the endometrium with ease.

The systems' automated follicle count software largely benefits from the high image quality, allowing for fast and accurate determination of the amount and size of the follicles.





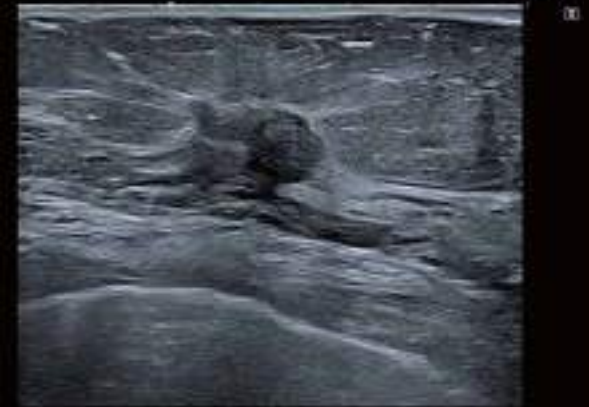
Occluded fallopian tubes are a common cause of infertility. Our Women's Health range makes it easy to apply HyCoSy to assess the patency of the fallopian tubes, as well as to detect abnormalities of the uterus and endometrium.



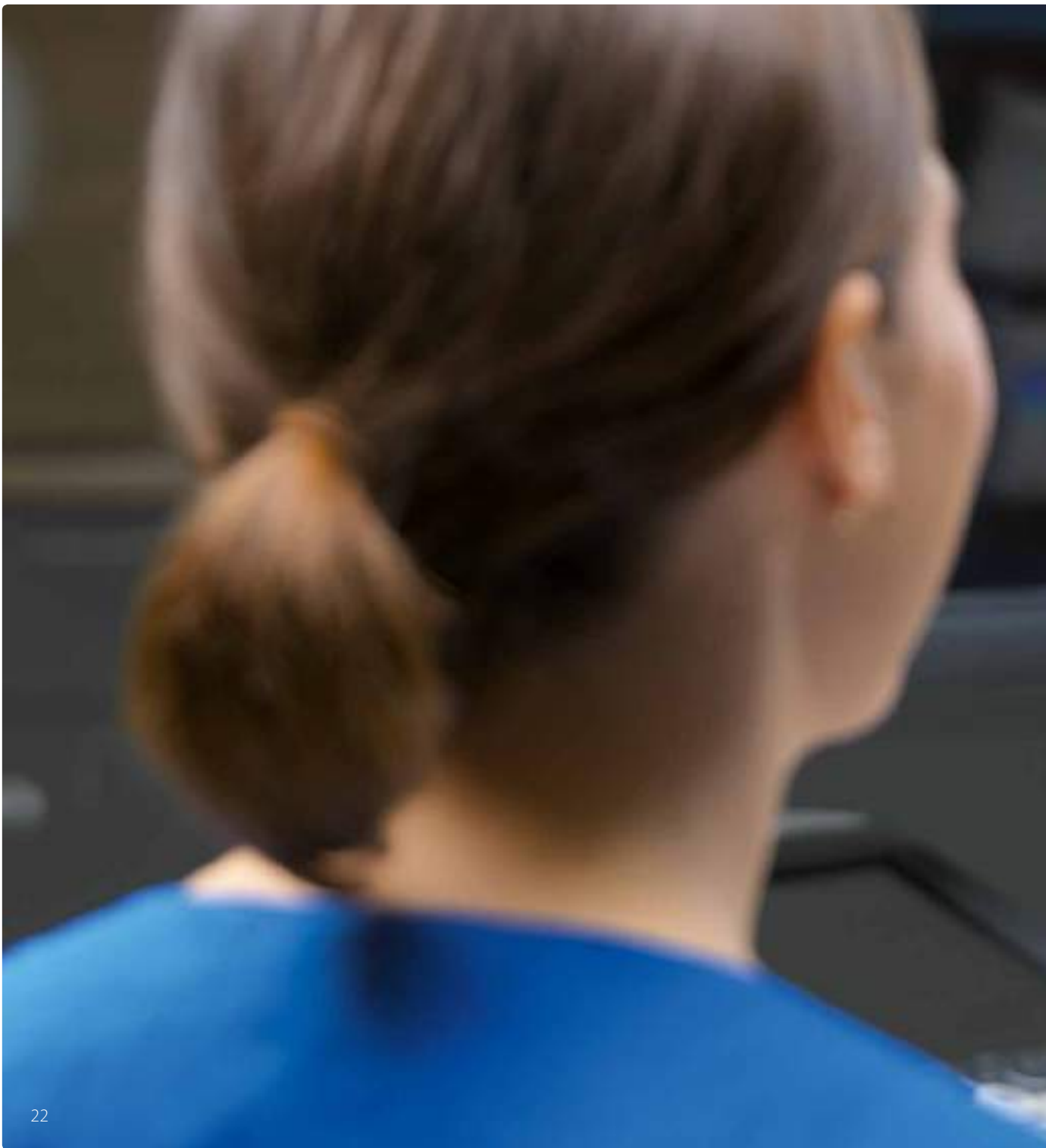
Soar through cavities, ducts and vessels with FlyThru. Similar to virtual endoscopy, the tool allows you to explore lesions and masses and to plan interventional procedures.

Gynecology and beyond

The multidisciplinary origins of Canon Medical's ultrasound portfolio provide a wider range of diagnostic capabilities while delivering high performance and image quality so you can expand your capabilities as needed.







Consistently high image quality across a wide range of clinical applications makes our Women's Health range particularly valuable when a more comprehensive examination is needed.



Increase your confidence, expand your capability

Early detection and reliable characterization of findings help optimize your patients' clinical pathway. Aplio's extensive suite of advanced imaging and quantification functions can help you obtain definite answers quickly and with confidence.



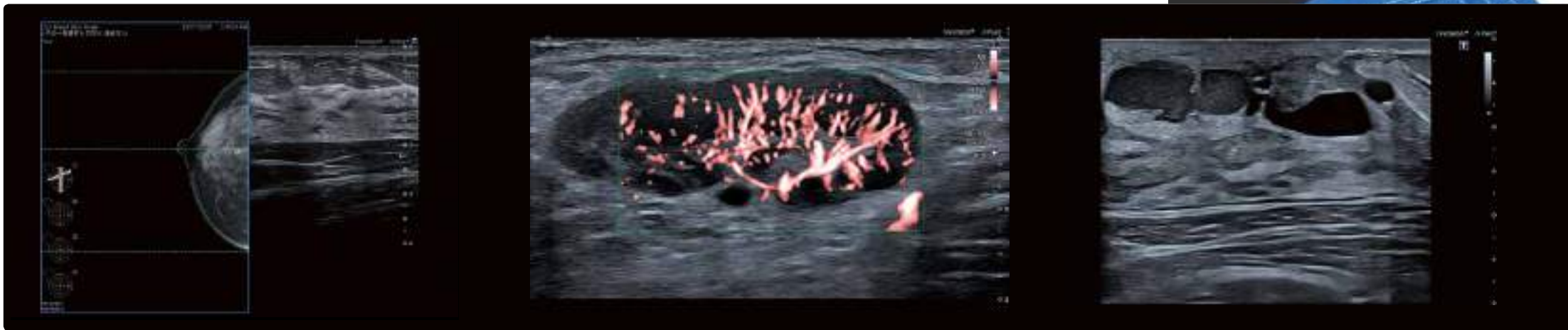
Aplio provides a wealth of tools to improve visualization of complex anatomy in 2D and volumetric formats – also in combination with advanced imaging modes such as Shadow Glass, SMI or elastography.

Dedicated transducers, imaging fusion and navigation tools help you enhance confidence and accuracy while localizing structures such as endometriotic nodules, during interventional procedures and their follow-up.

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

Breast imaging

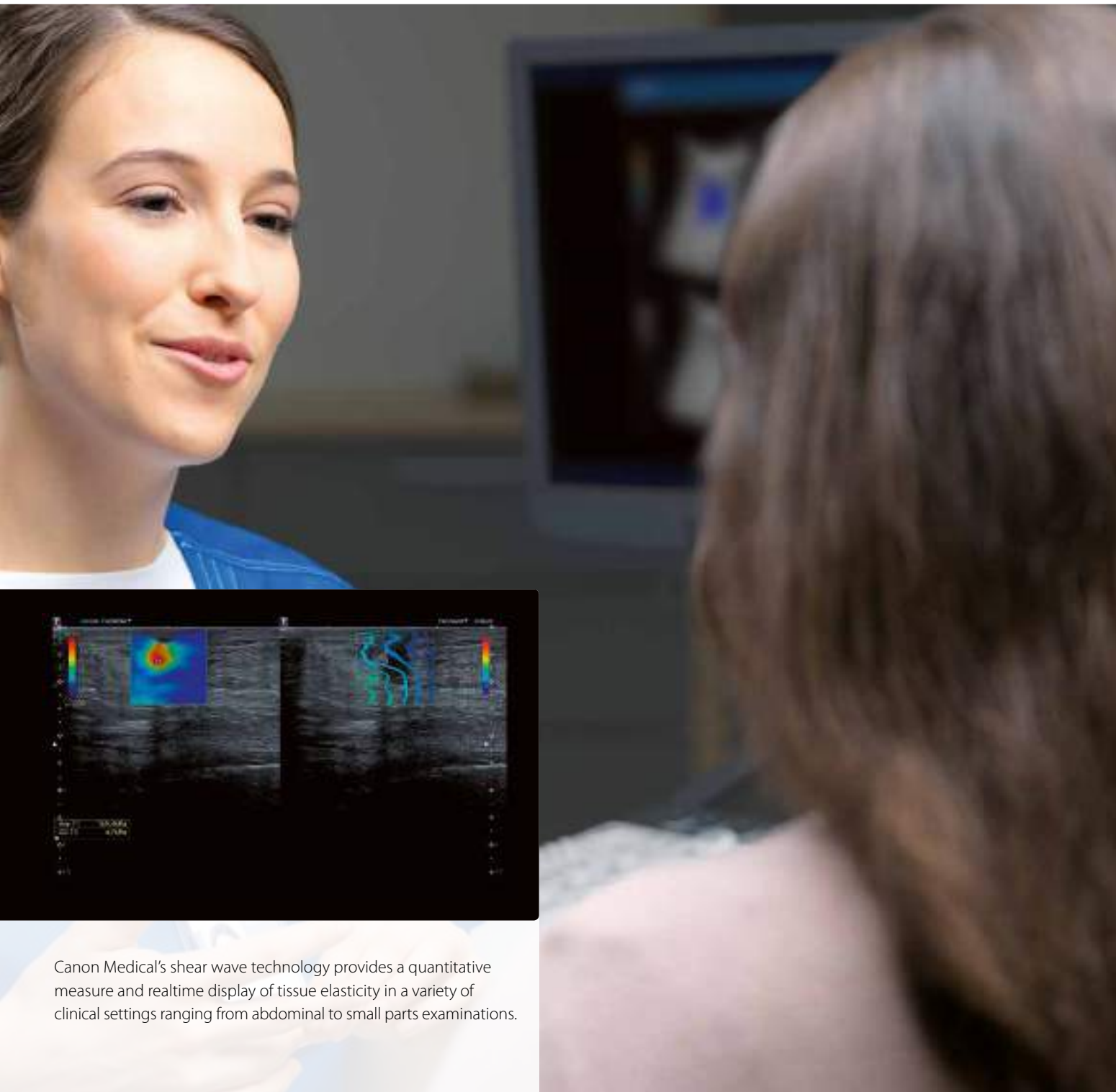
Standard and specialized ultra-wideband transducers with intelligent Dynamic Micro-Slice technology provide outstanding homogeneity and superior definition across the entire field of view.



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.

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

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



Canon Medical'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.

Ultra-Wideview
Linear 14L5



Ultra-Wideband
Linear i18LX5



Ultra-Wideband
Linear i24LX8



Designed with our users in mind

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



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.

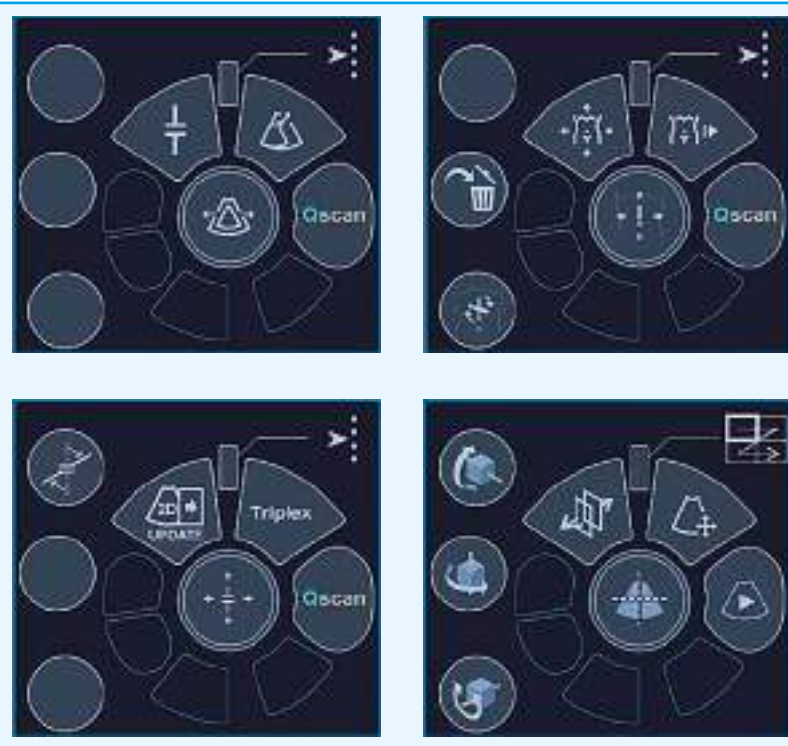


Access all areas

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'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.

Go wireless to gain better access

Aplio allows you to remotely operate the system from a wireless tablet. This is especially helpful during complex procedures 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.

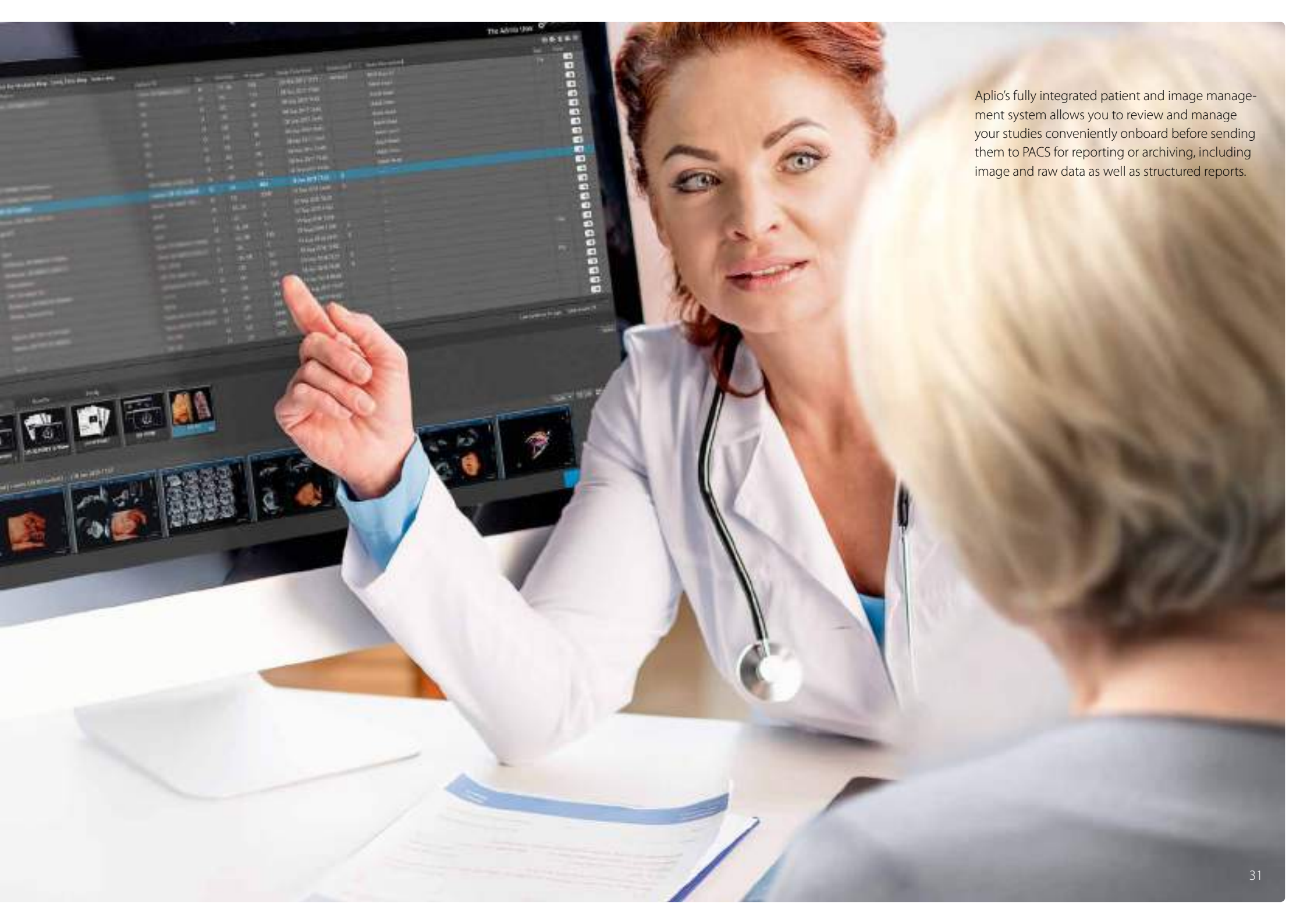
Managing your study data

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. Aplio is designed to embrace open network standards to facilitate easy integration in the widest variety of network environments.



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.





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.

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