

Aplio

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Aplio i-series

Prism Edition

Light your day. Color your world.



See Ultrasound Imaging in a new light

Light your day with Aplio's new iBeam+ technology for a whole new level of diagnostic precision and imaging capability with Aplio i-series / Prism Edition. Color your world by creating new diagnostic pathways with the abundance of advanced diagnostic and interventional tools provided, and collaborate with other modalities, peers and experts to enhance your productivity and clinical capability.

A complete, customizable solution for every clinical need

A whole new Ultrasound experience

Aplio allows me to take clinical confidence to a whole new level

Aplio provides signature imaging quality and robustness for a wide range of clinical applications.

Smart imaging technology further enhances clarity, depth and detail.

Next-generation SMI depicts fine flow with strongly reduced clutter with free breathing.

Ultra Wide View offers an extended field of view without sacrificing image quality or frame rate.





Aplio let's me tread new diagnostic pathways with unmatched efficiency

With a wide range of clinically proven imaging and quantification tools, Aplio puts you at the forefront of diagnostic imaging and research.

Aplio provides you with a comprehensive suite of advanced tools to plan, guide and follow up of image-guided interventions.

As a high-performance, multipurpose system, Aplio enables multidisciplinary patient assessment from a single source.

Aplio's flexibility allows me to create an efficient and comfortable workplace

The carefully redesigned user interface enables a short learning curve for enhanced confidence and productivity.

Improved automation and standardization make your exams faster and more efficient.

Even complex tasks are straightforward and easy to complete.

With the flexible console you can create an ergonomic workplace to always work in the magic triangle.*

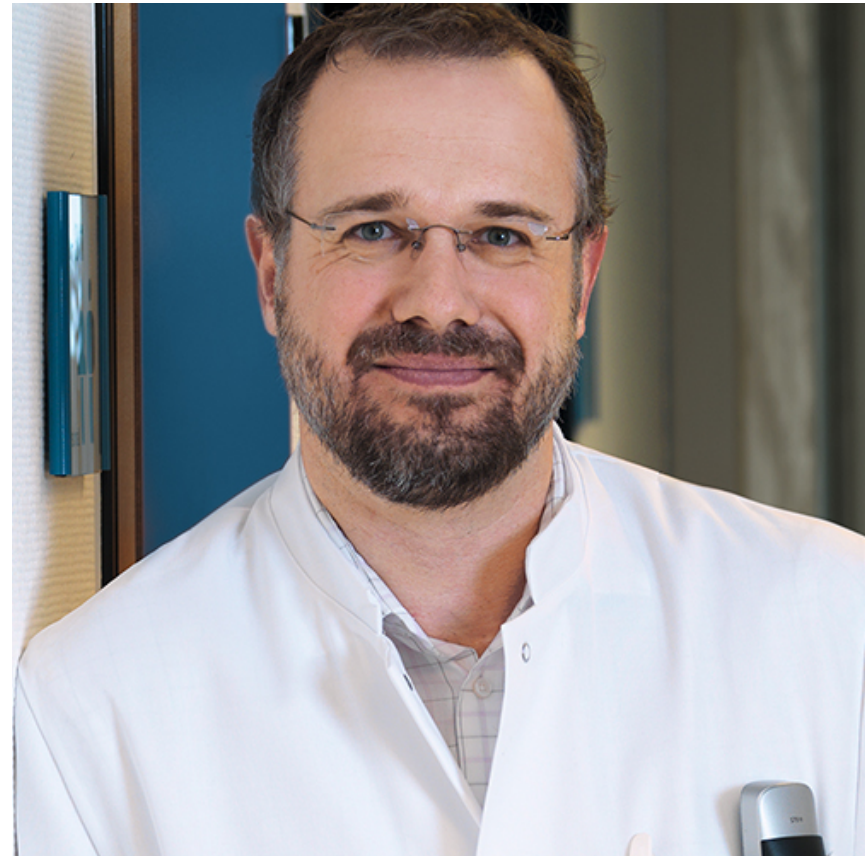


Welcome to the age of AI-assisted imaging

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.

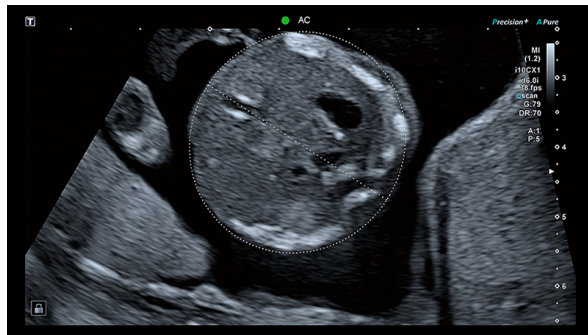
**Machine Learning applied to expert
knowledge
helps me improve clinical outcomes and
workflow
efficiency in no time.**

powered by  **Activity**



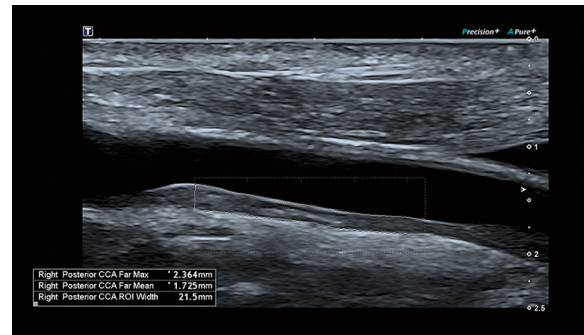
Intelligent healthcare made easy

Aplio i-series / Prism Edition provides a whole spectrum of flexible, AI-assisted productivity and imaging 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.

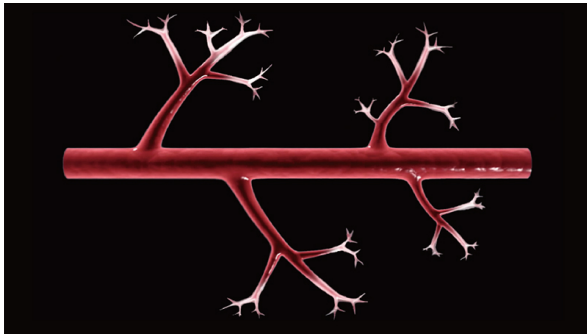


Single-click measurements

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

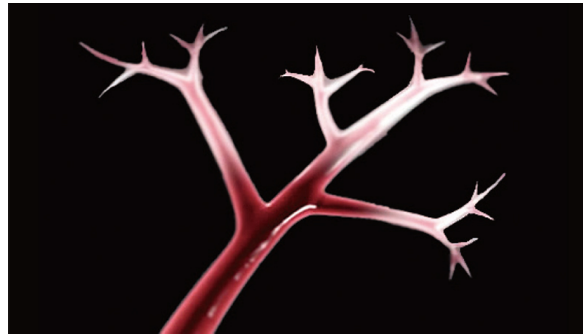
Free-breathing ultra-low flow imaging

Seeing the unseen - next generation



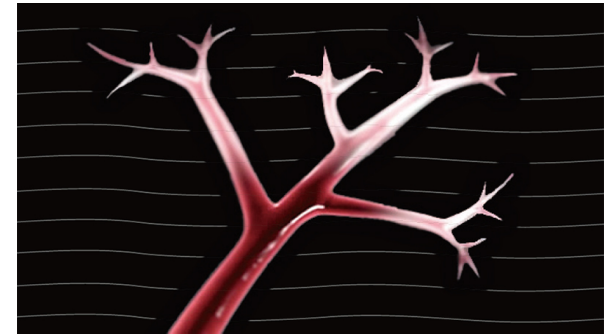
Ultra-low flow imaging

Say hello to a new generation of Superb Micro-vascular Imaging (SMI) that significantly expands the range of visible blood flow from extremely low to high flow with low noise and good sensitivity.



Ultra-high resolution

Aplio's i-beam+ architecture enables advanced B-mode image quality with higher frame rate for better visualization of the underlying anatomy.



Free Breathing Capability

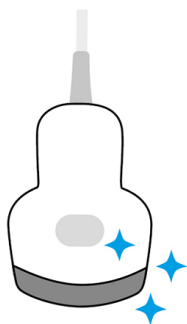
With next generation SMI, users can experience fine flow even in difficult situations with less clutter and fewer motion artifacts.

A perfect match from front to end

Meticulous design - all out of one hand

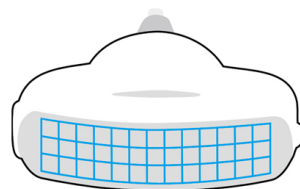
At Canon we develop, design and manufacture the core imaging components of our industry-leading ultrasound equipment in-house to ensure that soft and hardware work perfectly in sync to provide superior clinical and economic value to our customers and their patients.





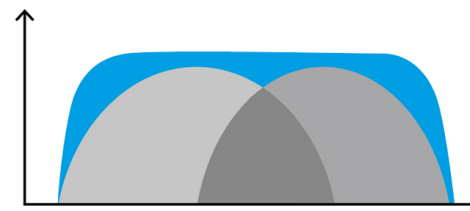
Single crystal

Aplio connects to a range of transducers that use single crystal technology to provide better visualization and improved penetration of up to 50 cm, so you can better manage your hard-to-image patients.



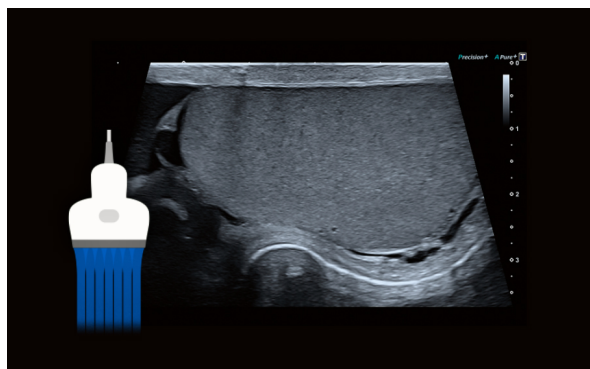
iDMS matrix technology

Aplio's intelligent Dynamic Micro-Slice (iDMS) matrix technology sharpens ultrasonic beams in the elevation direction to create a thin slice beam with continuous focus from the near to the far field.



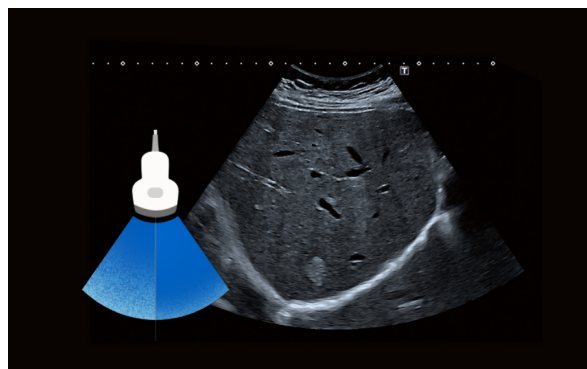
Ultra-wideband transducers

Aplio's ultra-wideband, multi-frequency transducers provide superior sensitivity and resolution for both near and far field. The ability to use one transducer across a wider range of patient types can potentially reduce cost, while providing enhanced imaging.



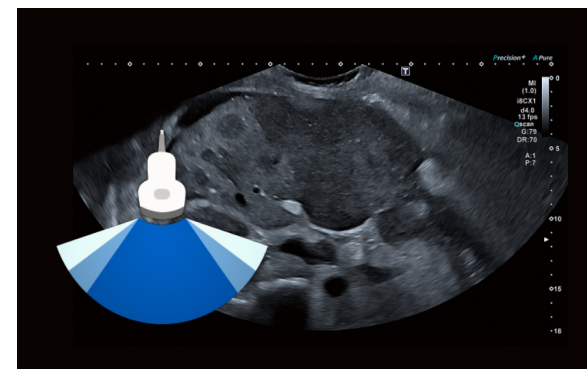
Improved uniformity

Aplio's innovative Full Focus function enables clear, uniform images from near to far field without the need for focus adjustments. With fewer application steps and greater uniformity, this can be particularly useful for screening examinations.



Enhanced penetration

The improved bandwidth and processing power of the iBeam+ beamformer results in images with better penetration and detail resolution, so you can see more without having to switch to a lower frequency transducer.



Ultra Wide View

While typically the footprint of a transducer has limited the anatomy that we can show, Canon's Ultra Wide View allows you to extend the field of view by up to 100% while maintaining excellent image quality and frame rate throughout.

Aplio i600

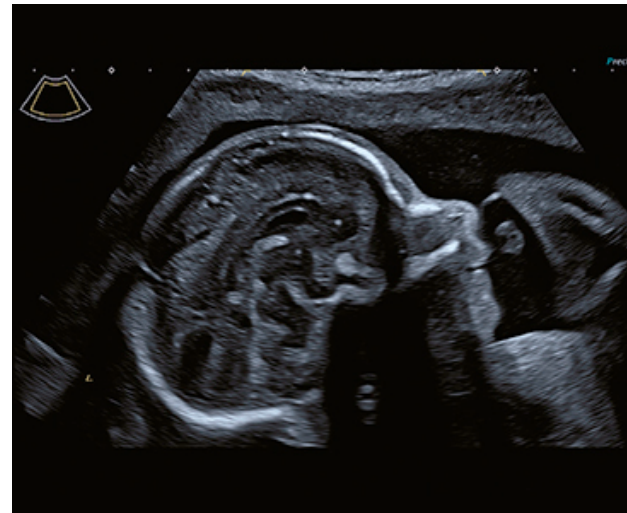
Intuitive. Intelligent. Innovative.



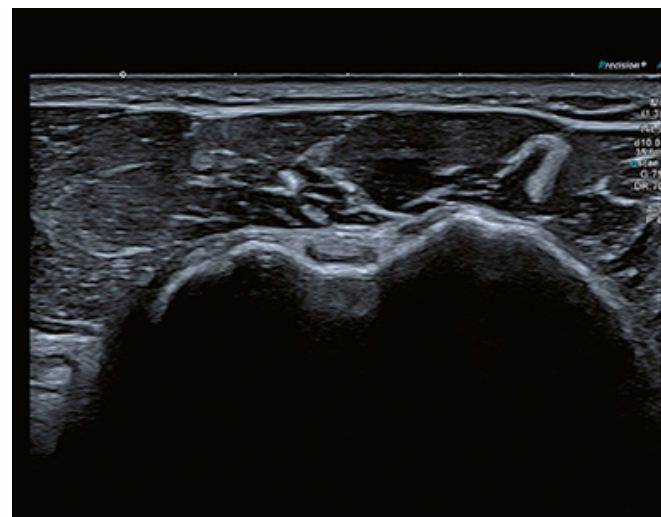
Better diagnostics starts here

Designed to increase efficiency, the system's lightweight transducers feature outstanding clinical versatility, ergonomic shapes and thin, super-flexible cables. Aplio's transducers deliver superb image quality and respond with high flexibility to the widest range of clinical applications.

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



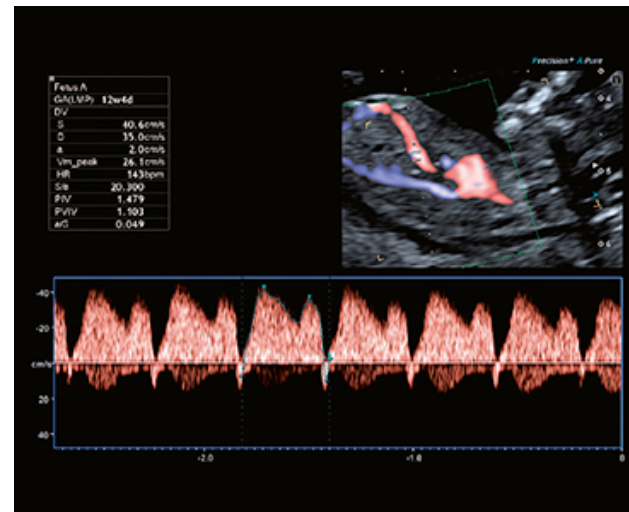
ApliPure™+ compounding delivers increased imaging contrast and reduced speckle noise to improve visualization.



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



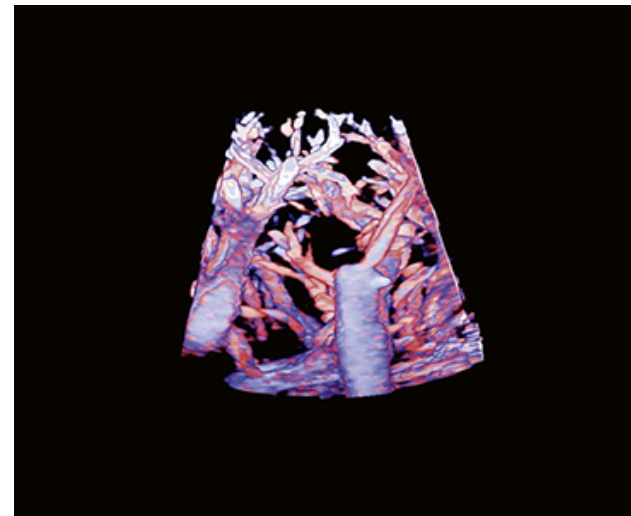
i600 Seeing the unseen with SMI

Experience color flow imaging with unmatched detail and definition on Aplio i600. Superb Micro-vascular Imaging (SMI) expands the range of visible blood flow to visualize low-velocity microvascular flow never before seen with diagnostic ultrasound.

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



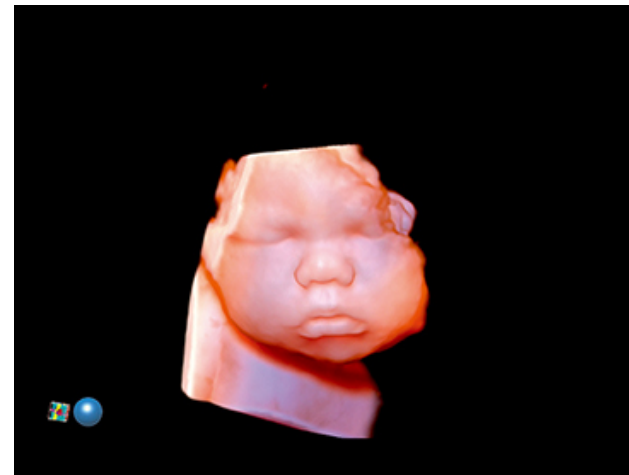
Exceptional detail for a more precise diagnosis

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.

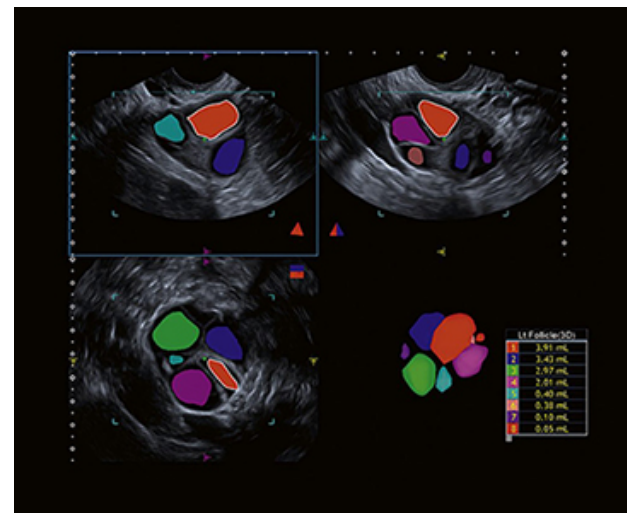
Advanced Dynamic Flow adds superior spatial resolution to color Doppler imaging to reveal minute flow patterns with unprecedented accuracy and detail. ADF provides high frame rates, while maintaining the full B-mode image quality.



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 provide high-resolution cross sections, helping you to better understand anatomical relationships or the extent of a given lesion.



Women's Health

For every stage of life



Tailored Ultrasound 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 portfolio ensures consistent high image quality with superior productivity across the clinical portfolio.

Prenatal Ultrasound

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



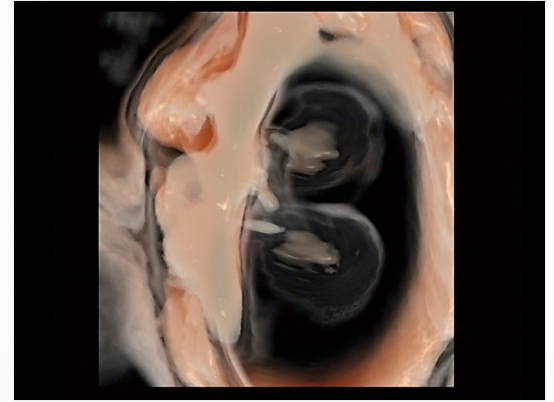
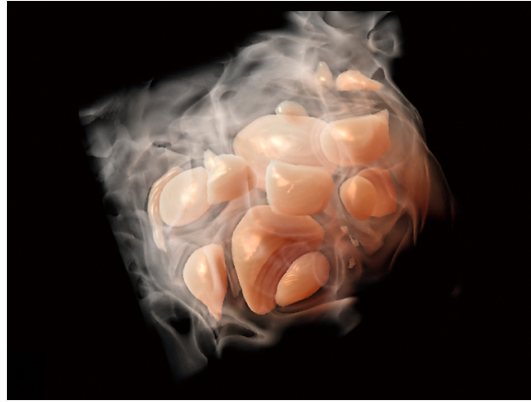
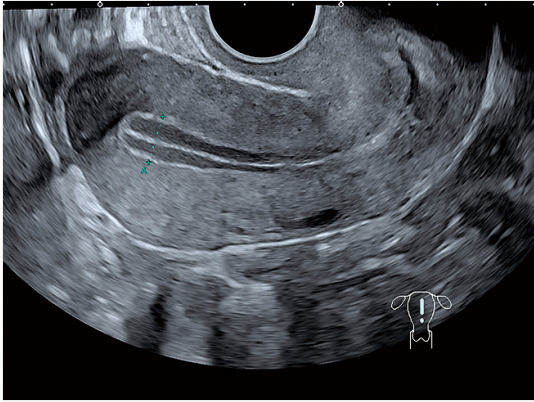




Assisted Reproduction

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

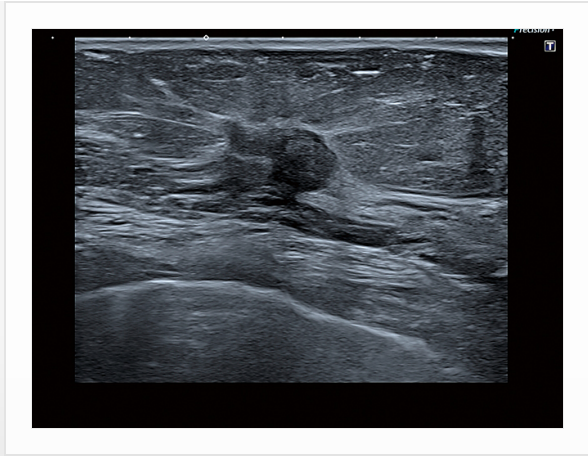
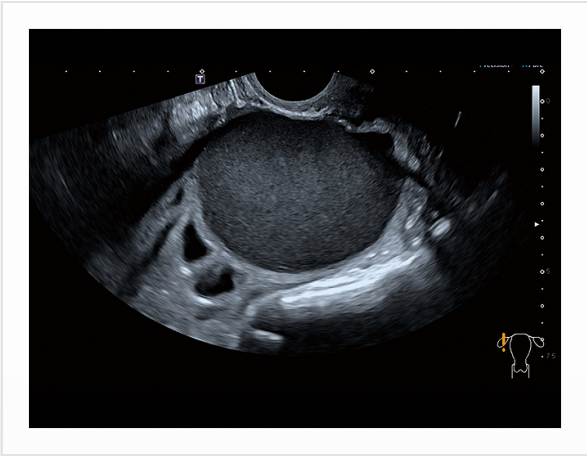
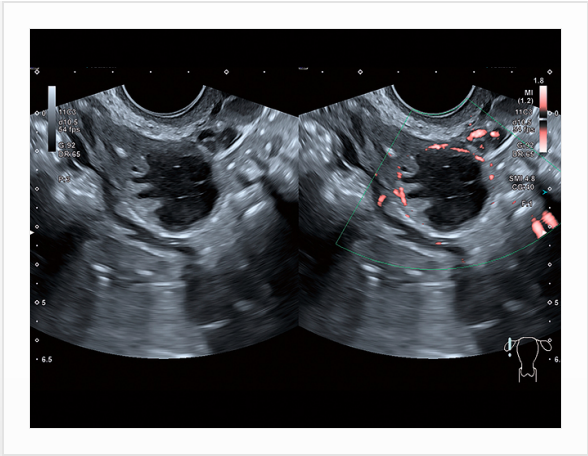


Gynecology and beyond

- 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

The multi-disciplinary 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.

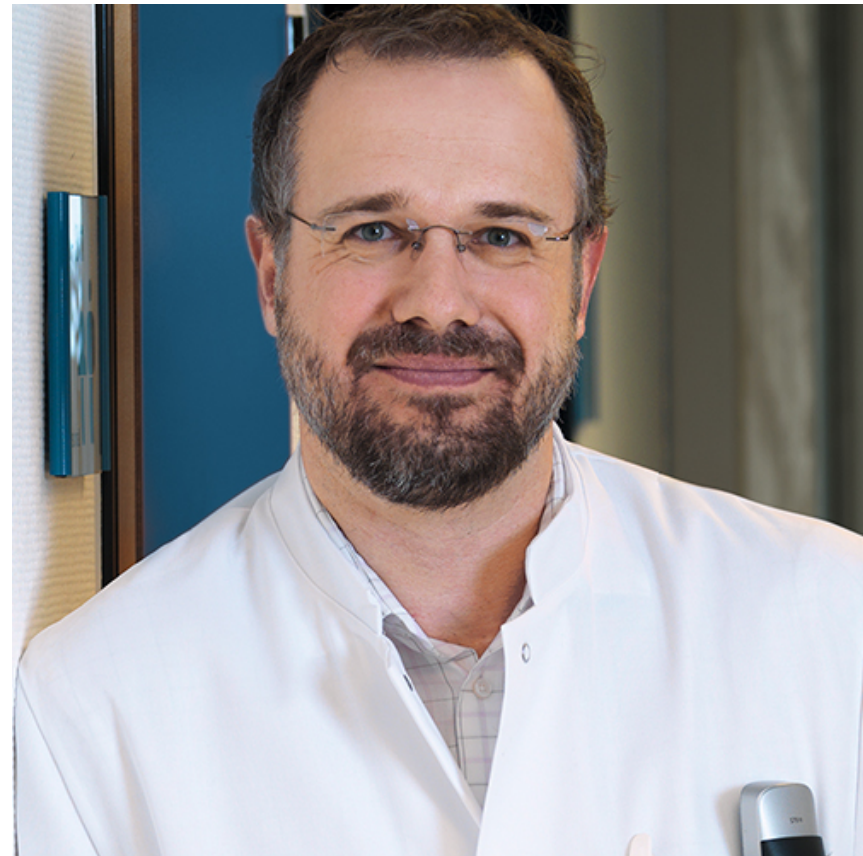




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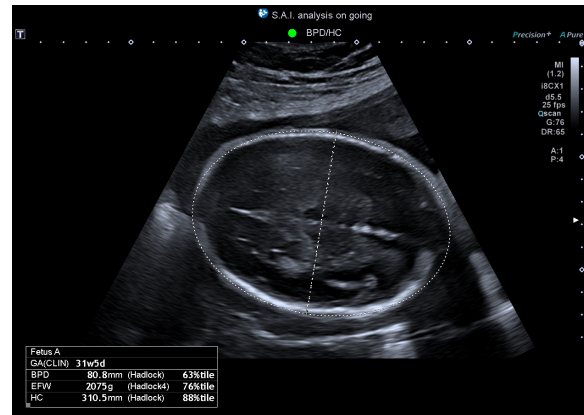
powered by  **Activity**





Standard Plane Detection

Deep learning-based Smart Area Indication applications for OB can help you identify anatomical views for standard measurements, including BPD, HC, AC, and FL, for faster workflow and improved exam consistency.



Automated structure recognition

Once Smart Area Indication OB is enabled, a green light will appear on the screen whenever a standard plane for fetal growth measurements is detected in accordance with the ISUOG guidelines for routine mid-trimester fetal ultrasound exams.



Automatic measurement

When freezing the image, a measurement is automatically carried out on the last correctly recognized frame. This can help to reduce user-dependent inconsistencies, to increase accuracy and patient throughput, and can be used as a teaching tool.

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