

Ultrasound

Imaging plays an integral role during interventional radiology procedures. The interventionalist relies on high quality images to clearly visualize the target and the surrounding vital tissues.

Enhanced Image Quality for Interventional Radiology

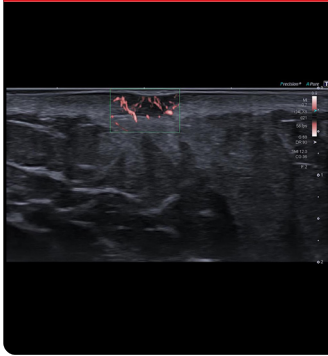
"I need **very high image quality** to see the right structures and then, when I do an injection, I need these **additional tools such as BEAM.**"¹

— Dr. Christian Schlegel
Head physician sports medicine
Swiss Olympic Medical
Center Bad Ragaz,
Bad Ragaz, Switzerland



A higher definition of imaging

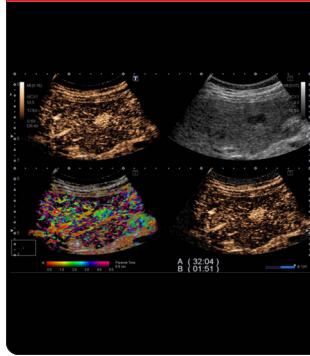
Superb Micro-vascular Imaging (SMI)²



Support diagnostic confidence when evaluating lesions, cysts, and tumors:

- Color flow imaging with extraordinary detail and definition in low flow states

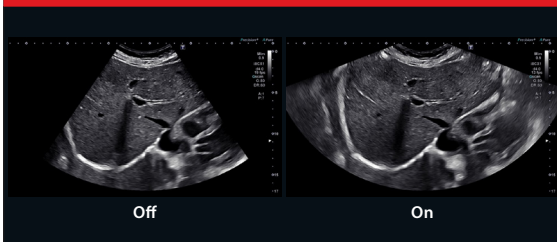
Contrast- Enhanced Ultrasound (CEUS)^{3,4}



Assess perfusion dynamics:

- Colors the timing when bubbles arrive and pass through the structure under examination⁵
- Quantified analysis of contrast⁶
- Visualize fine vascular structure inside lesions by tracking individual contrast bubbles⁷
- CEUS with SMI enhances bubble conspicuity in low or slow flow conditions

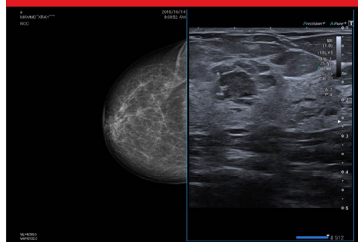
Ultra Wide View



See more anatomy on the same image while maintaining image quality:

- Scanning and measuring larger anatomy on one view

Reference Imaging



- Simultaneous viewing of another modality alongside the real-time ultrasound image

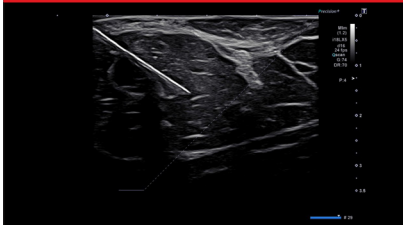
Full Focus with iBeam⁺



Clear, uniform images from near and to far-field:

- No need for focus adjustments

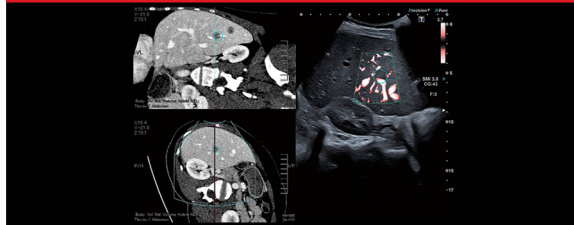
Biopsy Enhancement Auto Mode (BEAM)



Improves visualization of needle placement during interventional procedures

- One button needle enhancement
- No sacrifice in image quality

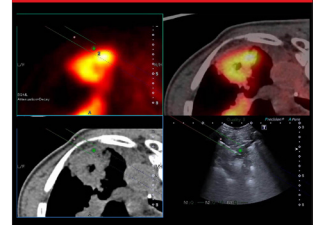
Smart Fusion³



Advanced lesion assessment and improved visualization during ultrasound guided biopsies:

- Work in multiple imaging modes, including color Doppler and Contrast- Enhanced Ultrasound
- Sync live ultrasound with pre-loaded CT, MRI or PET data

Smart Navigation³



Displays virtual biopsy lines corresponding with the needle positions on the fused live image to facilitate navigation

¹The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors

²Standard feature on Aplio i-series | Prism Edition and optional feature on Aplio a-series and Xario 200G

³Optional

⁴See Lumason Bracco® full prescribing information

⁵Available on Aplio i-series | Prism Edition and Aplio a550, limited feature set on a450

⁶Available on Aplio i-series | Prism Edition and Aplio a550

⁷Only available on Aplio i800 Prism Edition and i900 Prism Edition

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