Canon
CANON MEDICAL

Aplio *i-series*

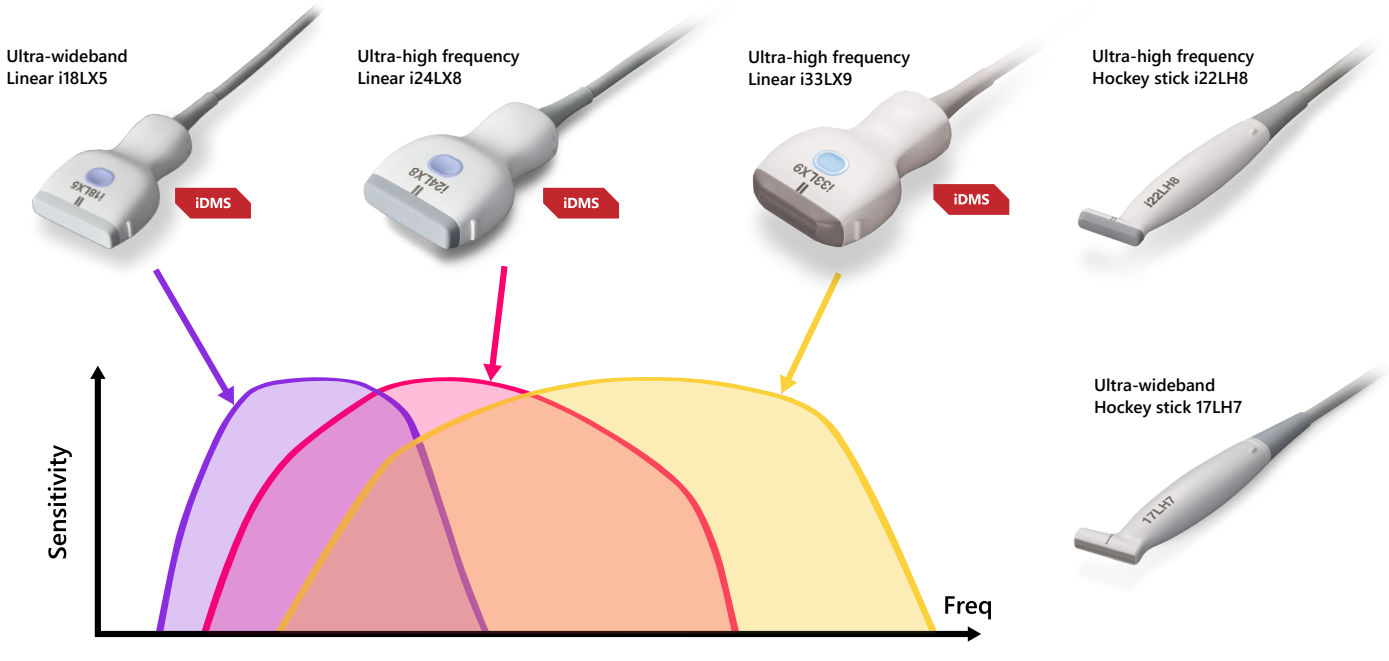
The Next Step in Musculoskeletal Imaging

Taking musculoskeletal imaging to the next level of imaging excellence requires an equivalent step forward in imaging capabilities. However the known physics of ultrasound is that as frequency and resolution goes up, penetration goes down. In the past, that has limited the use of ultra-high imaging frequencies. The Canon Medical line-up of iDMS transducers enables the potential of ultra-high frequency imaging together with usable penetration, bringing that possibility to reality.

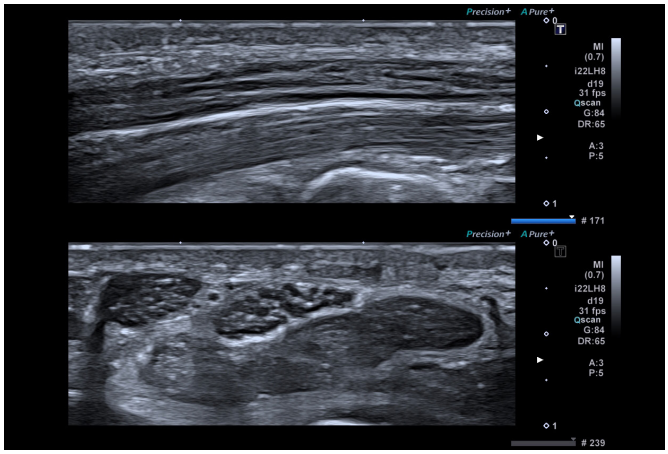


- **Excellent resolution** combined with **excellent penetration** form the core of the Canon Medical range of iDMS (intelligent Dynamic Micro-Slice) transducers, bringing ultra-high frequency capabilities to MSK imaging with a 24 MHz linear transducer.
- **For more difficult to access anatomy,** the 22 MHz hockey stick offers a small footprint.
- **The 33 MHz transducer** maintains the Canon Medical tradition of continuous development, adding even higher resolution to MSK imaging.
- **Additional benefit** of Aplio i-series is the combination of superb MSK imaging with the exam flexibility of an ultra-premium ultrasound system.

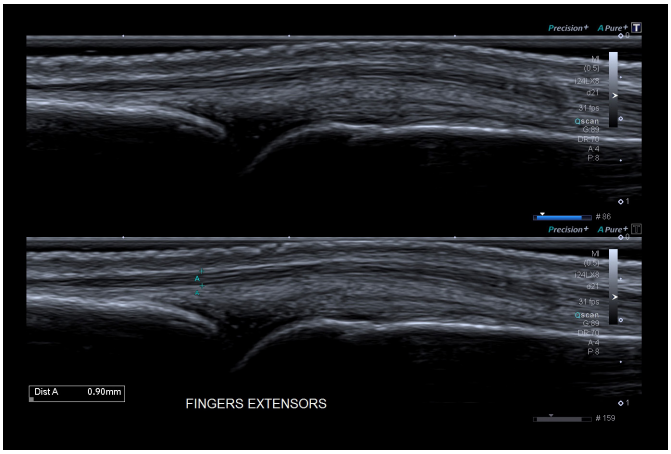
The exceptional penetration of the iDMS transducers brings ultra-high frequency imaging to reality. Combined with the advanced technologies inherent in the i-series, that next level of imaging excellence is now within reach.



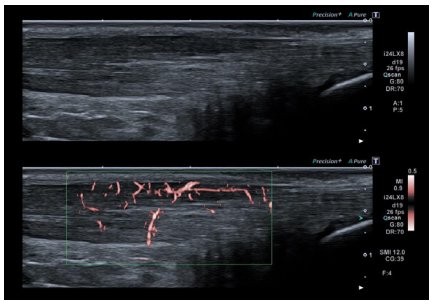
Transducer sensitivity across iDMS transducers



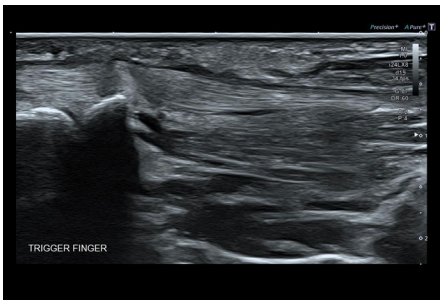
High resolution depiction of nerves in TwinView (Hockey stick).



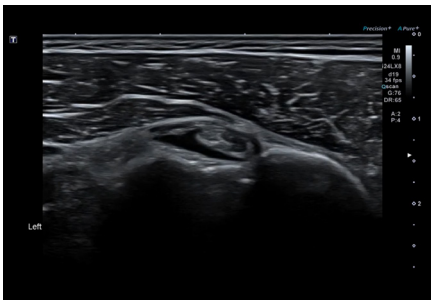
Finger extensors. Note resolution of 0.9 mm tendon and fingerprint.



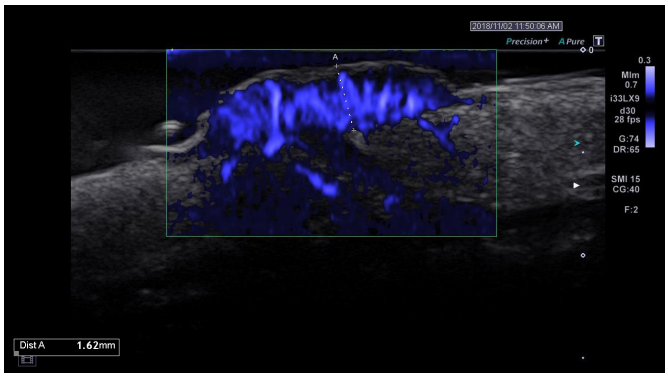
Superb Micro-vascular Imaging (SMI) provides high resolution of minute vessels in this calcaneal tendon.



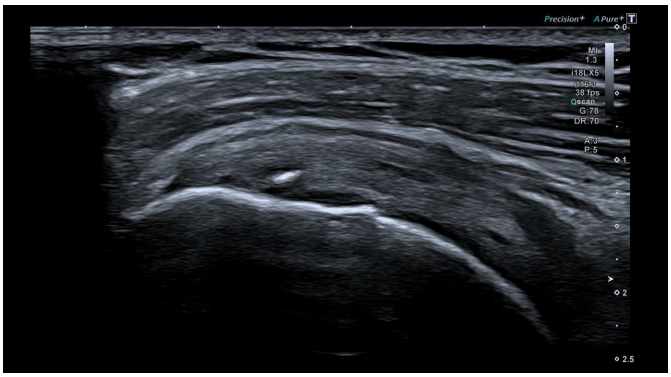
24 MHz image of trigger finger.



24 MHz head of biceps with fluid.



Superb Micro-vascular Imaging (SMI) of 1.6 mm superficial mole and adjacent soft tissues using 33 MHz transducer.



18 MHz of rotator cuff demonstrating excellent penetration with high resolution throughout the image.

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