



INTELLIGENT
ULTRASOUND®
for smarter scanning



NEEDLETRAINER™

Needle probe co-ordination in an
intuitive and user friendly platform



ULTRASOUND-GUIDED NEEDLING

- Real time virtual needle overlay on live ultrasound image
- Realistic needling simulation
- In-plane and out of plane views on ultrasound image
- Time metrics for proficiency of needle probe co-ordination

PRACTICE MODES

- Needling and Scan Mode - Freestyle Needling Practice on anybody region and habitus
- Offline mode - practice needling without an Ultrasound Machine on recorded cineloops

SIMULATION HARDWARE

- Non-invasive retractable needle
- Ultrasound Probe bracket discreetly houses the sensor that tracks probe positioning

OPTIONAL ADD-ON

Practice mode to help ultrasound image interpretation skills for Regional Anesthesia

Virtual needle overlay together with live highlighting of key sono-anatomical structures

Supports 9 high-value peripheral nerve block (PNB) procedures:

- Interscalene
- Superior Trunk
- Supraclavicular
- Axillary
- Erector Spinae Plane
- Rectus Sheath
- Suprainguinal Fascia Iliaca
- Adductor Canal / Subsartorial
- Femoral triangle
- Popliteal

COMPATIBILITY

- Compatible with
 - SonoSite X-Porte with HFL50xp + L38xp
 - SonoSite SII HFL50x
 - Sonosite Edge II HFL50x
- Compatibility with other ultrasound machines under development





OPTIONAL PNB HIGHLIGHTING

Non-Invasive Practise Of Ultrasound-Guided Needle Insertion

NeedleTrainer is a real-time, simulation tool to develop the needle-probe co-ordination skills required for safe ultrasound guided interventional procedures

Allows the use of live models to create the high-fidelity simulation of ultrasound-guided interventional procedures in a realistic clinical environment



KEY FEATURES

- + Real-time high fidelity image of a virtual needle in both in-plane and out of plane views on an ultrasound image
- + Quantitive time metrics to track performance for proficiency of needle probe co-ordination
- + Allows customisation of virtual needle settings according to:
 Echogenicity: Obvious, Semi-obvious, Realistic
 Gauge: 14G, 18G, 22G and 27G
- + Practice on any body-region and body-habitus
- + The optional Peripheral Nerve Block procedure mode provides a coloured highlight of key sono-anatomical structures in real-time on the live ultrasound scan, in addition to the simulated needle overlay



**WATCH
THE VIDEO**



**BOOK A
DEMO**



Intelligent Ultrasound is unlocking ultrasound for everyone with real-time support from the classroom to the clinic. Get in touch today:

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intelligentultrasound.com



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