



INTELLIGENT  
**ULTRASOUND**<sup>®</sup>  
*for smarter scanning*





**NEEDLETRAINER**<sup>™</sup>



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

# NEEDLETRAINER™

## 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



## SIMULATION HARDWARE

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

## COMPATIBILITY

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

## 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

## 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





### *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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