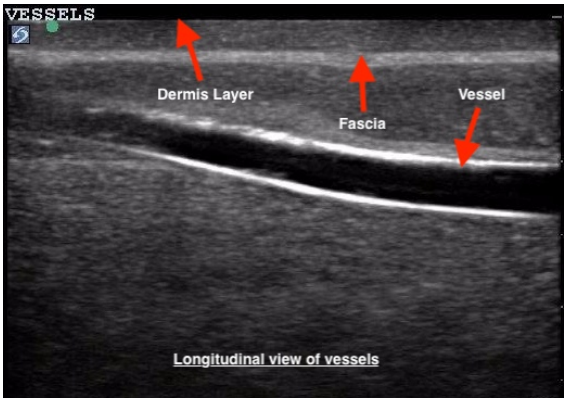
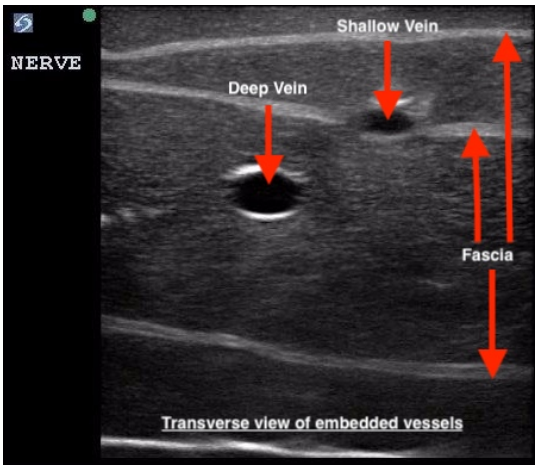
truultra tru corp
www.trucorp.com

TruNerveBlock





TruNerveBlock is a 3-in-1 model for Trainee Anesthetists to develop, practice and maintain the skills necessary to use ultrasound for guiding regional anesthesia and vascular access procedures. The model features a fractured bone structure, embedded vessels which allows effective practise of routine IV cannulation and additional nerve bundles for regional anaesthesia.

The model is ideal for emergency medicine, radiology, surgical training programs, ultrasound training programs, simulation centres, surgical skills centres, medical education facilities, and ultrasound manufacturers for ultrasound education and demonstrations.

Why choose this model?

- ✓ It's durable! TruNerve Block comfortably facilitates the insertion of over 1000 needle insertions. The self-healing and regenerative TruUltra material has been designed to last.
- ✓ It's realistic! A Unique fully integrated fluid management system to replicate blood flow
- ✓ No mess! Quick blood refill mechanism and snap fit fluid connectors allowing quick and easy insert replacement
- ✓ TruCorps' unique 'TruUltra' material and 'TruUltra gel'
- ✓ Delivered ready to use in durable carry case for easy transportation and safe storage
- ✓ Colour Doppler detection of blood flow

Features and benefits

- Contains epidermal layer, two simulated vessels, a nerve bundle (with surrounding artery and vein as reference points), a fractured bone and Fascia layers
- The Nerve bundle allows fluid entry and withdrawal for anaesthesia fluid administration.
- Positive fluid flow when vessels are accurately accessed
- 1000+ needle incisions with self healing/regeneration of the material
- Needle tracks disappear with very minimal damage to the material
- Longitudinal and transverse anatomical viewing options
- Realistic Needle tip identification and artefact

Nerve Bundle

- Practice probe positioning and movement, recognition of arterial and vein vessels and nerves in soft responsive tissue. Using ultrasound to target a nerve for ultrasound guided regional anaesthesia.
- Surrounding vessels are used as reference points to differentiate from the nerve.
- Simulated anaesthetics can be injected into the model with visual air and fluid retention possible alongside the nerve.
- Ability to verify needle tip location and to practice the entire regional anaesthesia procedure.
- Fluids can be easily removed from the product through our self contained innovative fluid management system so that the product can be used repeatedly for training.
- Using Trucorp's' unique TruUltra gel this creates a perfect medium to allow fluid retention and realistic muscle fluid absorption.
- The TruUltra gel can be removed upon fluid build up easily with a syringe and new gel inserted easily.
- Once users accurately access the vessels within the model, positive fluid flow provides the user with positive feedback that they have cannulated the targeted vessel.
- Visualizing of the artery and vein laterally beside the nerve
- High frequency linear array ultrasound probe can be used on the model

IV

- Realistic blood flashback upon entry into the vessel.
- Two embedded vessels, small/large and shallow/deep
- Real feel vascular 'tenting' upon entry into the vessel
- Self healing 'truultra' material that leaves minimal marks and has self regeneration
- Colour Doppler detection of bloodflow

Bone

- An acoustic shadow artefact in the hypoechoic region deep to a hyperechoic bone outline
- Fracture assessment detection of a fracture and diagnosing bone stress injury

Weight : 1.8Kg (Ultrasound insert = 800g and product plinth = 1Kg
Dims: Plinth – 350mm x 150mm X 110mm; insert -160mm x 140mm x 40mm