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60130 - ART Mat for Lumbar Puncture

Order code: **4104.60130**

Cena bez DPH	359,00 Eur
Price with VAT	434,39 Eur

Enhance your existing Lumbar Puncture & Epidural Trainer learning experience with the latest Augmented Reality Training (ART).
ART Mats are the newest product from Limbs & Things, bringing your Lumbar Puncture Trainers to life with the latest AR technology.
Which Lumbar Puncture Trainers work with the new ART Mats?

Lumbar Puncture Model Light Skin Tone/61000
Lumbar Puncture Model Dark Skin Tone/61023
Advanced Epidural & Lumbar Puncture Model Light Skin Tone/61001
Advanced Epidural & Lumbar Puncture Model Dark Skin Tone/61024
Ultrasound Epidural & Lumbar Puncture Model Light Skin Tone/61002
Ultrasound Epidural & Lumbar Puncture Model Dark Skin Tone/61025
In addition to the hands-on training made accessible with the Limbs & Things simulation models, the ART Mats let students get under the skin for a deeper understanding of the patient's anatomy.

Featuring realistic 3D models created from actual MRI and CT datasets, medical artists worked in collaboration with digital experts to create the app's anatomical and skeletal overlays.

What is augmented reality?

Augments Reality (AR) is the combination of computer generated imagery superimposed on real world environments to create an interactive view.

How are Limbs & Things using AR technology to improve medical training?

At Limbs & Things we understand that great medical training gives students a deeper understanding of procedures and the human body.

As such, we've combined real world MRI and CT scan data, with the skills of talented medical artists and digital creators, to bring the internal anatomy of our trainers to life.

Within the app's digital environment, you can move around your task trainer and view various overlays, including: the musculature, organs and vessels, and skeletal structure. The interface allows you to move seamlessly between the layers, as well as view their cross sections.

Students are also able to view digital procedures in the AR environment to see how the procedure is done, and its impact on the patient's anatomy.

How does the 3D interactive space work?

Even without access to the trainer and mat, students will be able to explore the related anatomy within the app's interactive space.

The 3D modelling gives you the same, anatomically accurate, rendering, that can be manipulated on screen to reveal the layers of the trainer, and demonstrate procedures with step by step labelling.

*Note: This product is not supplied with a tablet.

OVERVIEW
Enhances Lumbar Puncture & Epidural training with an interactive 3D space and augmented reality anatomy
Augmented reality visualisations of the task trainer anatomy
3D physiology to aid understanding of the effect of procedures on the body

REALISM
Allows for interaction in both prone and lateral positions
Anatomically accurate 3D models and illustrations
Illustrations created by medical artists, from MRI and CT datasets, as well as anatomical atlases and medical research data

VERSATILITY
Portable for ease of use with the task trainer on any flat surface
Apps are available for both Android and iOS devices

CLEANING
The ART Mat can be wiped with a soft damp cloth if needed
Allow to dry thoroughly before storing
Ensure device camera is clean, for best performance

SAFETY
Always be aware of your surroundings when using the interactive features
Roll to store, DO NOT fold
Never move the mat when a task trainer is placed on it

ANATOMY
Shows representations of:

Bones of the spine with bony landmarks
Layers of the posterior spine from skin to dura mater:

- Adipose tissue
- Supraspinous ligament
- Intraspinous ligament
- Ligamentum flavum
- Epidural space
- Dura mater
- Dural sac with CSF
- Cauda equina

Variations of this anatomical model are available for a geriatric spine, and patients with a higher BMI

Layers can be removed to reveal the subsequent layer, and cross-sections of the layers show you a representation of the internal anatomy

SKILLS GAINED

Enhanced understanding of physiology, including geriatric and high BMI patients
Conceptualisation of procedures