



HELAGO-CZ, s.r.o.
Commercial Register maintained by the Regional Court in Hradec
Králové
Section C, File 17879
Kladská 1082
500 03 Hradec Králové 3
Company ID: 25 96 39 61, VAT: CZ 25963961
Phone: 495 220 229, 495 220 394
Fax: 495 220 154
GSM gate: 602 123 096
E-mail: info@helago-cz.cz
Web: <http://www.helago-cz.cz>

60131 - ART Mat for Catheterization

Order code: **4104.60131**



Cena bez DPH

359,00 Eur

Price with VAT

434,39 Eur

Enhance your existing Catheterization Trainer learning experience with the latest Augmented Reality Training (ART). ART Mats are the newest product from Limbs & Things, bringing your Male & Female Catheterization Trainers to life with the latest AR technology.

Which Catheterization Trainers work with the new ART Mats?

Male Catheterization Trainer Light Skin Tone/60850

Male Catheterization Trainer Dark Skin Tone/60870

Female Catheterization Trainer Light Skin Tone/60851

Female Catheterization Trainer Dark Skin Tone/60869

Standard Catheterization Set Light Skin Tone/60853, and Dark Skin Tone/60871

Advanced Catheterization Trainer Set Light Skin Tone/60854, and Dark skin Tone 60872

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.

OVERVIEW

- Enhances Catheterization training with an interactive 3D space and augmented reality anatomy
- Augmented reality visualizations of the task trainer anatomy
- 3D physiology to aid understanding of the effect of procedures on the body

REALISM

- 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

Male Catheterization anatomy:

- Muscles of the pelvis and pelvic floor
- Structures of the penis, urethra, prostate and bladder
- Variations of these structures that may impact the procedure, such as, urethral and prostatic stricture, and distended bladder

Visualizations of the internal anatomy, including cross sections:

- External skin, in both light and dark skin tones
- Muscles of the pelvis and pelvic floor
- Organs of the pelvis and reproductive system: bladder, vas deferens and urethra, prostate, testicles and structures of the penis

Female Catheterization anatomy:

- Muscles of the pelvis and pelvic floor
- Structures of the vulva, vagina, urethra, uterus and bladder
- Variation to include potential distended bladder

Visualizations of the internal anatomy, including cross sections:

- External skin, in both light and dark skin tones
- Muscles of the pelvis and pelvic floor
- Organs of the pelvis and reproductive system: uterus and vagina with associated structures, bladder