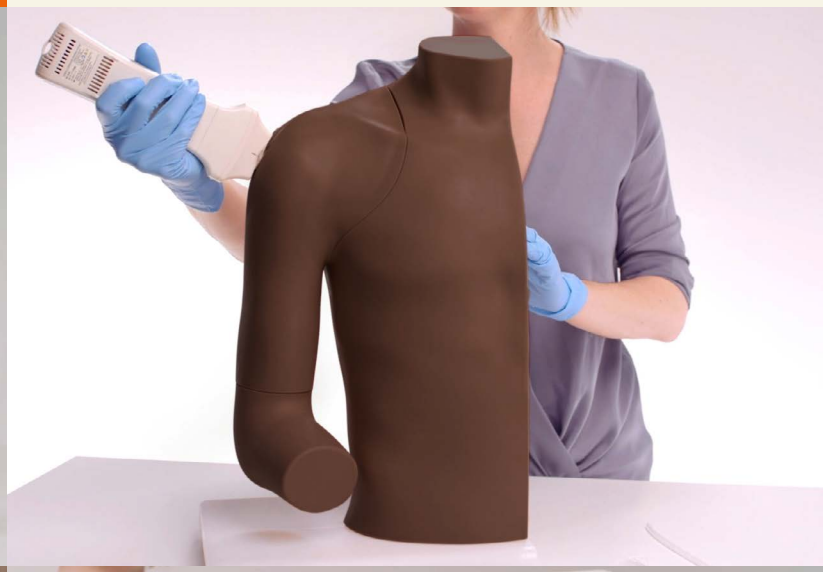
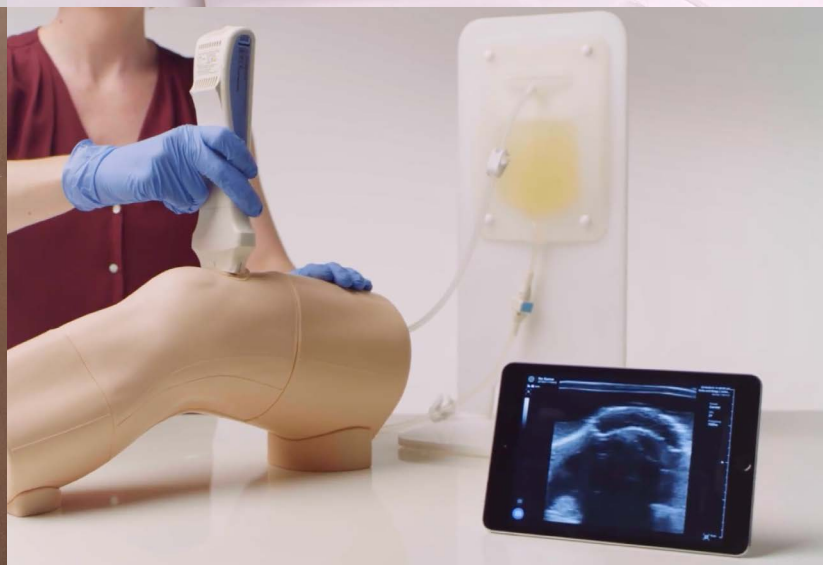
limbs& things

ULTRASOUND TRAINING RANGE

Each product has been designed to allow students to become confident in interpreting ultrasound images as they conduct their ultrasound-guided procedural training. The trainers can be used in-situ or within classroom settings to develop skills and confidence.

For the full range of products please visit limbsandthings.com



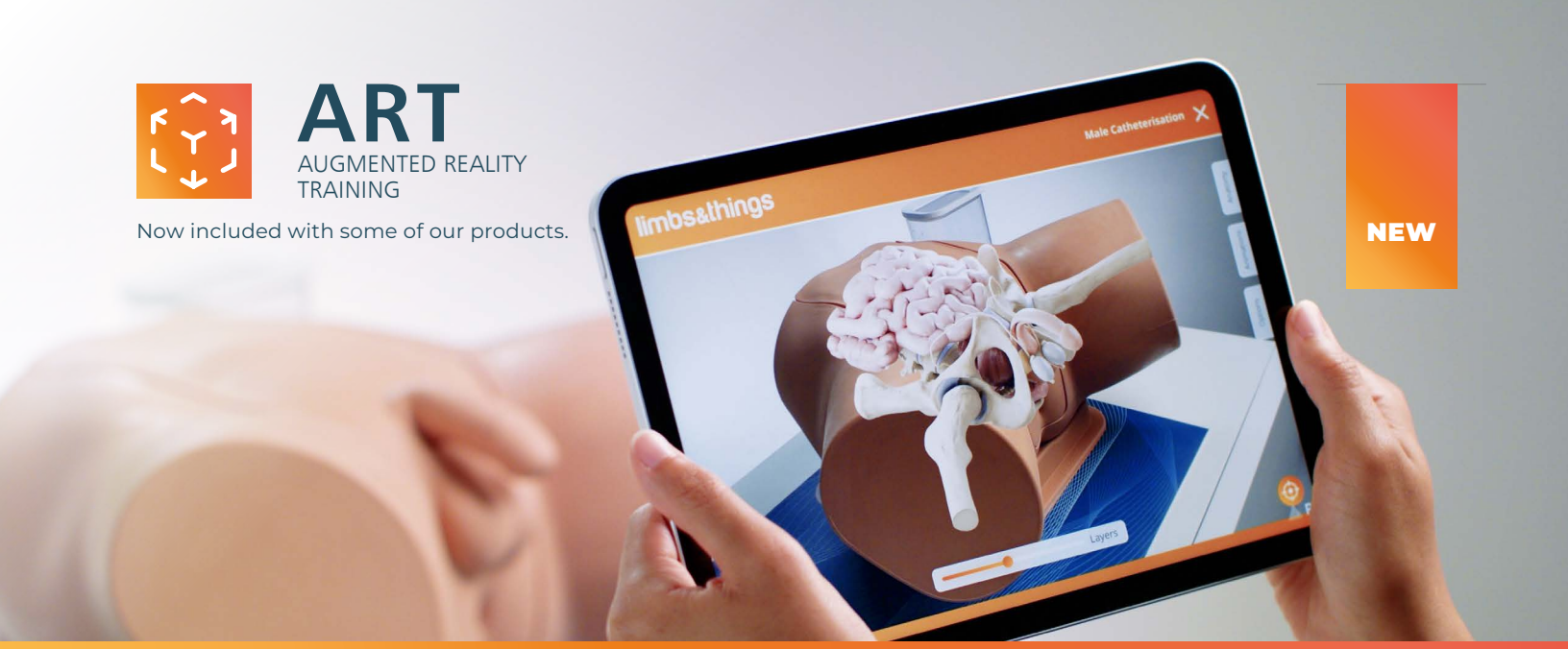


Learning has never been more lifelike

limbsandthings.com

ART
AUGMENTED REALITY TRAINING

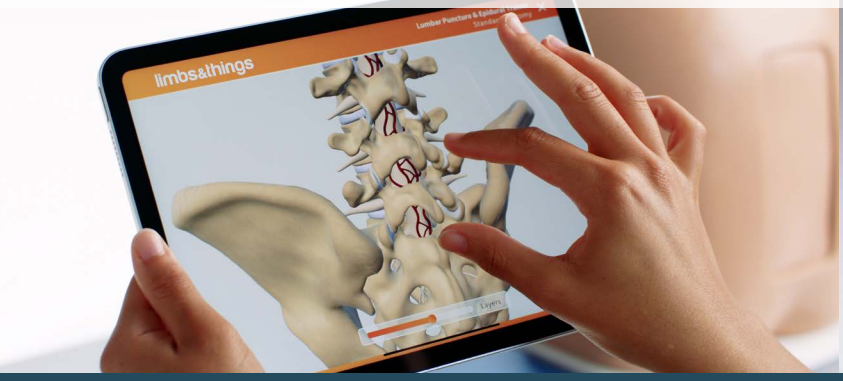
Now included with some of our products.



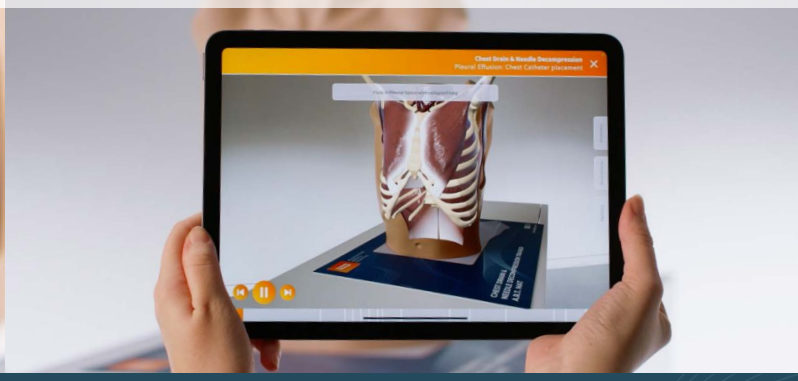
NEW

Introducing Augmented Reality Training (ART) via our new app.
Dive under the skin and bring learning to life.

Interactive Anatomy



Augmented Reality



Download the app for free

Free to download, learners can explore the anatomy of some of our core training models in interactive 3D. Visualize key anatomical structures with 360° rotation and detailed labels to help build understanding ahead of classroom learning or during revision.

Use with our compatible trainers

For classroom teaching, combine the app and mat to add context for the learner through augmented reality. They'll be able to associate underlying anatomy with the trainer, bringing increased visual and spatial understanding during procedural practice.

KEY FEATURES & BENEFITS

- Visualize the key pieces of internal anatomy
- Rotate anatomy in 360°
- Detailed anatomical labels
- Provides variation in anatomy
- Animation showing different procedures' effects on the anatomy
- Linking internal anatomy to physical products and procedures

No license fees.

SKILLS

- Gaining an increased understanding of internal anatomy
- Increasing knowledge of procedures
- Understanding the anatomical differences in various pathologies

Find out more at limbsandthings.com/ART

SCAN ME

Chest Drain & Needle Decompression Trainer

60230 **61230**

SCAN ME

INCLUDES
AUGMENTED REALITY TRAINING
Discover the benefits on page 2

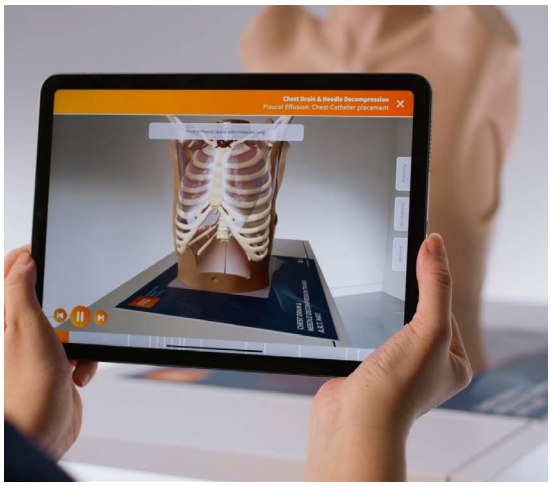
Our Chest Drain and Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals training in surgical or guidewire-assisted thoracostomy and thoracentesis.

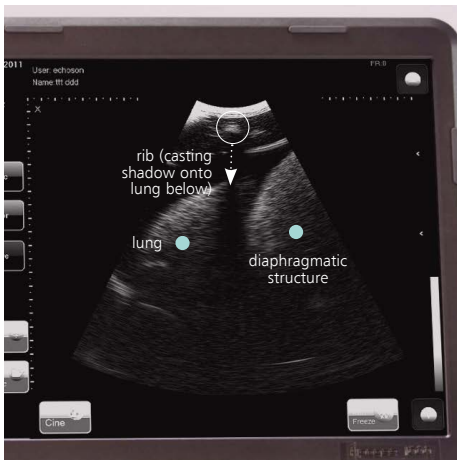
This product allows for a variety of chest drain insertion techniques to be performed including ultrasound-guided techniques.

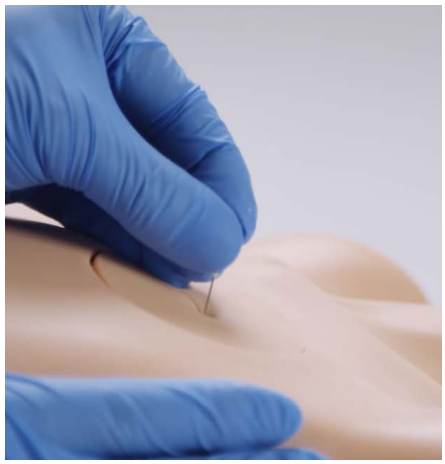
Dive even deeper with Augmented Reality Training (ART).

ART allows learners to explore the underlying chest anatomy as well as visualize procedures in both interactive models and augmented reality, linking physical practice to knowledge of underlying structures.

IDEAL FOR **ATLS** COURSES







LUMBAR PUNCTURE & EPIDURAL RANGE

This range offers realistic, repeatable and cost effective training in the core skills of lumbar puncture and epidural anesthesia for both palpation and ultrasound-guided techniques.

SCAN ME

INCLUDES
AUGMENTED REALITY TRAINING
Discover the benefits on page 2

All three models share a common base but offer different levels of complexity to support trainees from early through to advance learning.

Designed in conjunction with clinicians, the models feature realistic feel and response while offering a safe environment for learning and skill maintenance.

Dive even deeper with Augmented Reality Training (ART).
The addition of ART allows learners to visualise the underlying anatomy and watch epidural and lumbar puncture procedures, linking physical practice to knowledge of underlying structures.

Lumbar Puncture Model

61000 **61023**

This model is designed for early years training. It features replaceable tissue inserts, durable spine and dura that accurately recreate the feel of puncturing the dura and the collection and measurement of CSF.

Its separate spine and replaceable tissue means the model is a cost effective way to train large numbers of students.

Advanced Epidural & Lumbar Puncture Model

61001 **61024**

The Advanced model allows training in both lumbar puncture and epidural administration. Featuring two epidural inserts: standard and an advanced version with steeper spine, the model is ideal for both early and advanced training for more complex procedures.

This model also features optional fat pads to fit below the skin to increase realism and difficulty for trainees.

Ultrasound Epidural & Lumbar Puncture Model

61002 **61025**

Ideal for those wishing to teach lumbar puncture or epidurals using the ultrasound-guided technique.

Tested to work on all major ultrasound brands, this model includes visible facet joints.

Suprapubic Insertion Unit

60852 **60873**

Optional module, designed for advanced skills training, allowing trainees to master ultrasound-guided suprapubic catheterization insertion.

Fits into the pelvic shell and stand.

Dive even deeper with Augmented Reality Training (ART).

Use in conjunction with a catheter base and ART mat to unlock Augmented Reality Training, to visualize internal anatomy and watch the suprapubic catheterization procedure, linking physical practice to knowledge of underlying structures.

Paracentesis Trainer

60100 **60111**

SCAN ME

This trainer fulfills the fundamental component of Internal Medicine Training in diagnostic and therapeutic techniques of paracentesis. Both landmark and ultrasound-guided techniques can be practiced.

Trainees are able to identify the echogenic anatomy enabling them to learn how to safely insert a needle or catheter into the peritoneal cavity.

Trainer with skin removed, showing internal anatomy
Catheter insertion for therapeutic drainage
Needle insertion for diagnostic purposes
Ultrasound-guided technique

Shoulder Injection Trainer - Ultrasound-Guided

70202 **70221**

SCAN ME

Caters for ultrasound-guided techniques, as well as allowing injection and aspiration of fluids under ultrasound.

SKILLS

- Patient positioning and management
- Identification of anatomical landmarks using ultrasound guidance
- 4 common injection sites:
  - Acromioclavicular Joint
  - Glenohumeral Joint
  - Biceps Tendon Sheath (which lies in the Bicipital Groove and surrounds the tendon)
  - Subdeltoid Bursa (in the Subacromial Space)
- Competence using ultrasound technology to perform injections in different planes using different approaches
- View the suprascapular nerve under ultrasound

QUALITIES

REALISM

- Innovative materials within the shoulder create close to life ultrasound images

KEY FEATURES

- Echolucent materials visible under ultrasound represent the key internal landmarks
- Successful injection or aspiration can be confirmed by visualising fluid entering or leaving the site
- The quantity of fluid in the Subdeltoid Bursa can be adjusted, from no fluid present to a fluid-filled distension for differing skill levels
- Nerve block functionality - allows trainees to view and inject around the suprascapular nerve

VERSATILITY

- Watertight and durable for up to 400 injections per site
- Altering the size of the bursa allows trainers to change the level of difficulty of training (less fluid is more challenging to inject)
- Synovial fluid has a realistic color

SAFETY

- Latex free

WHAT'S INCLUDED

Shoulder Module - Ultrasound-Guided
Shoulder Torso
Ultrasound Shoulder Filling Kit
Needle Set
Synovial Fluid (250ml)
Elbow
Carry Case

Knee Aspiration & Injection Trainer with Ultrasound Capability

70103 **70114**

SCAN ME

An anatomically accurate adult knee model for aspiration of synovial fluid and joint injection from both the lateral and medial aspects, using ultrasound guidance or palpation.

The robust sealed knee includes knee joint, patella, patellar tendon and the suprapatellar space.

SKILLS

- Injection into joint cavity
- Aspiration of synovial fluid from both the lateral and medial aspects
- Competence using ultrasound technology to perform systematic scanning techniques and examination of the knee joint
- Identification of anatomical landmarks using ultrasound guidance or the palpation method
- Patient positioning and management
- Recognition of joint effusion
- Ballottement of the Patella

ANATOMY

- Key anatomical landmarks are realistic to palpate:
  - Skin
  - Subcutaneous fat, quadriceps tendon & patellar ligament
  - Prefemoral, suprapatellar & Hoffa (infrapatellar) fat pad
  - Femur
  - Medial & lateral collateral ligament
  - Tibia
  - Patella
  - Joint space & synovial recess
  - Meniscus
  - Muscle mass of quadriceps

Key internal landmarks visible under ultrasound

QUALITIES

REALISM

- Discrete muscle and skin layers provide realistic tissue and needle response
- Anatomically accurate synovial sac and palpable patella
- Realistic color and consistency of synovial fluid

KEY FEATURES

- 1000+ stabs per module with 21 gauge needle
- Precise, palpable anatomy with bony landmarks
- Robust, sealed knee unit that holds all anatomy
- Key internal landmarks visible under ultrasound
- Compatible with all standard ultrasound machines
- Echolucent material allows aspiration and injection under ultrasound guidance
- Suitable for undergraduate and postgraduate medical study
- Knee skin is watertight

VERSATILITY

- Caters for ultrasound-guided technique as well as palpation
- Can be used with leg supports for supine position, or without leg supports for side of bed position
- Separate Fluid Bag & Stand ensure the model is easy to use and mobile
- Clear indicator on Fluid Bag to prevent overfilling

SAFETY

- Latex free

WHAT'S INCLUDED

Ultrasound Knee Module for Aspiration & Injection
Fluid Bag and Stand
Synovial Fluid (including Syringe)
Needle Set – 3 Green Needles, 1 Syringe, 1 Sharps Bin
Leg Unit, including removable supports
Carry Case

TruCVC

TCTCVC100 TCTCVC100DS

trucorp

NEW

TruCVC is specifically designed to aid in central venous catheter (CVC) insertion. With true-to-life and accurate vascular anatomy, TruCVC offers unmatched realism to aid in developing central line skills, including: needle insertion, wire manipulation & catheter placement with ultrasound guidance. The upper torso can be adjusted to a 15-degree angle for Trendelenburg positioning, allowing the trainer to simulate the elevation of the patients' lower limbs.

The trainer can also be used as an effective platform for patient management training once the CVC line has been implemented.

ANATOMY

CLINICAL ANATOMY

- Upper torso and neck, adult male
- Right clavicle
- Manubrium
- First right rib
- Sternocleidomastoid muscle

VASCULAR ANATOMY

- Internal jugular vein
- Subclavian vein
- Carotid artery
- Subclavian artery

SKILLS

- Correct needle positioning
- Cannulation techniques
- Trendelenburg positioning
- Fluid injection
- Blood withdrawal
- Central venous catheter placement
- Seldinger techniques
- Ultrasound techniques

QUALITIES

REALISM

- Realistic vascular anatomy
- Accurate head positioning
- Vascular tenting upon vascular access
- Arterial pulse simulation possible
- Simulator allows for withdrawal and administration of fluids

KEY FEATURES

- Unmatched realism for developing central line skills
- Ultrasoundable torso module
- Simple mechanisms can be set up in under 5 minutes

VERSATILITY

- TruUltra material is durable for repeated use
- Adjustable base to position head for different procedures

TruPICC

TCTPIC100 **TCTPIC100DS**

trucorp

TruPICC is an adult male training arm designed for effective training in ultrasound-guided PICC line and IV placement training, helping to develop skills associated with needle placement, guidewires and catheters using ultrasound.

SKILLS

Ultrasound-guided PICC Line Insertion

- Full catheter PICC Line placement and Seldinger techniques that allow full procedure, including inserting introducer and dilator
- Realistic visualization of the vascular anatomy of an arm including the brachial artery, and the brachial, cephalic, basilic and median cubital veins
- Upper chest features the superior vena cava to verify correct catheter placement using ultrasound

Intravenous (IV) Cannulation Techniques

- Realistic visualization of the median cubital, brachial and basilic veins
- Differentiation between the basilic vein and the basilic artery

QUALITIES

ANATOMY

- Anatomically accurate vascular features including the brachial, cephalic, basilic and median cubital veins, and the brachial artery

REALISM

- Lifelike vascular 'tenting' upon successful entry into the vessels

KEY FEATURES

- Successful procedure verification: upper chest features superior vena cava to verify correct PICC catheter placement using ultrasound
- Can be set up in less than 5 minutes
- Self-regenerating TruUltra material reduces the appearance of needle tracks to facilitate repeat practice
- Easily transportable
- Compatible with all common ultrasound machine brands

PICC line Insertion
IV access

TruNerve Block

TCTNB110

TCTNB110DS

trucorp

TruIV Block

TCTIV100 TCTIV100DS

trucorp

Ultrasound Vascular Access Trainer

60530

FAST/ER FAN Ultrasound Examination Training Model

KKMUS-5

KYOTO KAGAKU

Ultrasound-Guided Pericardiocentesis

KKMW15

KYOTO KAGAKU

Ultrasound-Guided Thoracentesis

KKMW4

KYOTO KAGAKU

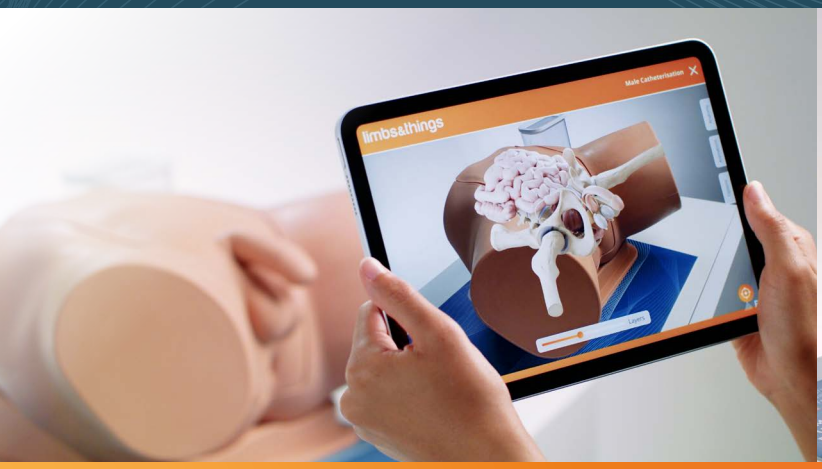
Pediatric FAST

KKUS-8

SPACEFAN-ST Fetus Ultrasound

KKUS-7A

ART
AUGMENTED REALITY TRAINING



Our **Augmented Reality Training app** allows users to explore the anatomy of our core training models in a 3D interactive environment. Learners can also pair ART with one of our compatible models to unlock augmented reality, allowing users to visualize anatomy and conceptualize procedures. ART is the ideal tool for students to form the building blocks of anatomical learning; download on any mobile device.

Find out more and get the latest updates on our website.

limbs&things & trucorp

Limbs & Things is a leading healthcare simulation manufacturer committed to improving patient outcomes by providing task trainers which facilitate realistic learning experiences.

We collaborate with clinicians to research, design and create products that enable clinical educators to deliver curriculum requirements, bringing greater competence to healthcare professionals worldwide.

We are also proud to be the exclusive distributor of **TruCorp**; experts in lifelike simulation specializing in Trauma, Nursing and Ultrasound Manikins.

REQUEST A QUOTE | REQUEST A DEMO | BUY ONLINE | CUSTOMER SUPPORT

USA V.8 July 2024

Visit our website to find out more

limbsandthings.com