



**UK  
CATALOGUE  
2024**

[limbsandthings.com](https://limbsandthings.com)

# Learning has never been more lifelike

Limbs & Things was founded after Medical Artist Margot Cooper discovered a gap in the learning journey of medical students who jumped straight from theory into practicing on animal flesh or patients. The need for a **safe and repeatable training** medium was evident, and so the vision for Limbs & Things was created.



**In 1990**, Limbs & Things was born from a kitchen top in Bristol, England. Now a global business with offices in USA, Australia, and Sweden, the **family-owned** company still holds the same values and are proud to be supporting the learning of competent and confident clinicians around the world.

Our products are still **designed and manufactured in Bristol** before being exported to **70 countries worldwide**. Limbs & Things' committed team of experts collaborate with **medical leaders** to carefully create each groundbreaking innovation to achieve our mission.



limbs&  
things  
SINCE 1990



Investing heavily in **research and development** ensures our models accurately replicate anatomy and feel lifelike to the touch, while utilizing the best materials and technology to achieve realism and practicality. Each product “brings to life” a task to be learnt and is suitable to **meet education curricula** across the globe.

Our commitment to simulation doesn't stop once a product has left the door. That's why we are known for our **outstanding customer service** who will always be on hand to support your simulation needs.



“

*Our objectives have grown out of the need for repetitive practice and the learning of skills, as they apply to procedure and care in the treatment of patients.*

*All skills training requires endless opportunity to practice over and over again; this is what we strive to offer our medical colleagues with careful focus on accuracy and purpose.*

*Our company is now enjoying its 34th year of continual development and manufacture of our innovative products.*

*Established in Bristol, United Kingdom, we serve hands-on training requirements world-wide and every member of our staff takes pride in that role. We have an atmosphere of dedication to meet the clients' needs.*

*Best wishes from all of us for 2024.*

*Margot Carter*

Limbs & Things President

”



## WHAT'S NEW

NEWEST UPDATES FROM LIMBS & THINGS 6



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## Cardiovascular and Respiratory Examination Model (CaRE)

CaRE teaches the key skills needed to carry out a cardiovascular or respiratory examination.

With lifelike pulses, chest movement, apex beat, thrills and heaves, and sounds, the trainer can accurately and realistically replicate a range of pathologies and conditions ranging from common to complex. 34 clinical cases are readily available on our app, enabling easy set up and allowing trainers to focus on delivering quality teaching.

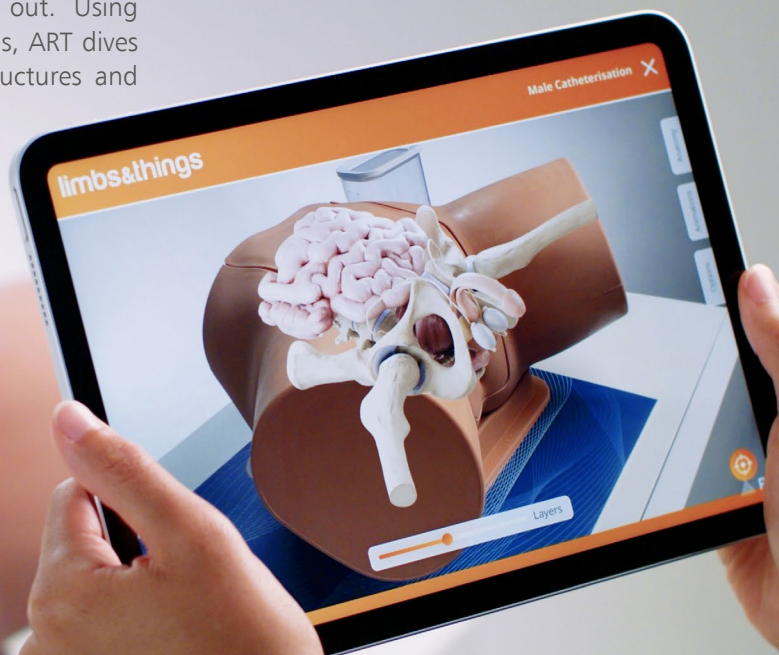
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## Augmented Reality Training (ART)

ART provides a platform that enhances students' ability to understand anatomy from the inside out. Using augmented reality and interactive 3D models, ART dives under the skin to visualise the internal structures and conceptualise the procedures.

Page 24





## eoSurgical: Laparoscopic Training

The innovative eoSim Laparoscopic trainer range enables trainees to practice their Laparoscopic skills on a range of up to 18 curated tasks. Use in conjunction with SurgTrac, an integrated skills training platform designed for your mobile device, which combines instrument tracking software, objective performance feedback and metrics synced to an online portfolio to optimise the learning experience.

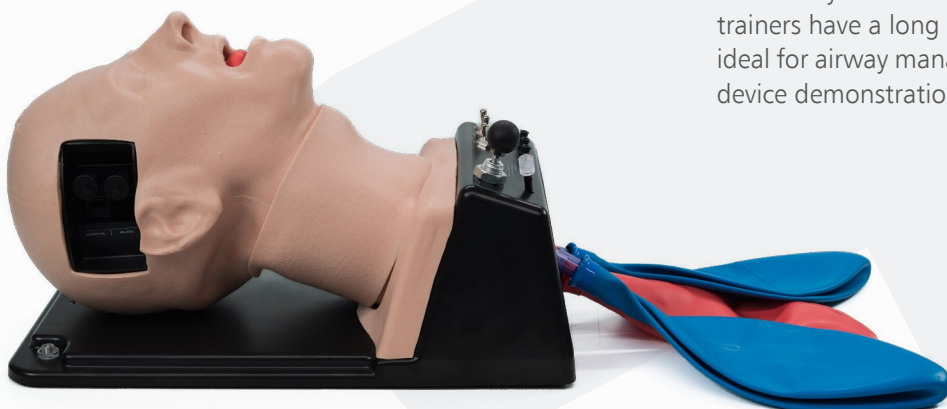
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Limbs & Things are proud to be the exclusive distributor of TruCorp across the UK, USA, Canada, and Australia and are excited to help you find the perfect simulation for your needs.

TruCorp patient simulators provide healthcare professionals with realistic training in airway management and many other medical techniques. TruCorp airway trainers have a long lifespan and easily replaceable parts, ideal for airway management training courses and airway device demonstrations.

**Discover the full range.**



# Clean Bleed<sup>®</sup> Mat

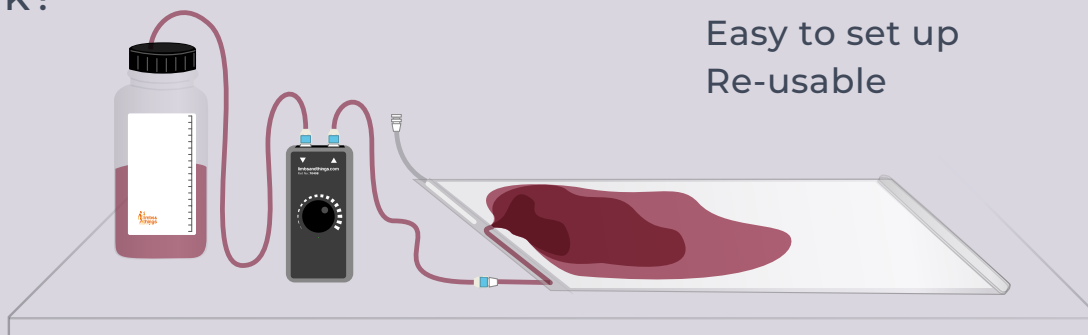
70400



By increasing realism,  
we develop true to  
life responses.

Designed to support any simulation scenario where external blood or fluid loss is a key indicator and measure of emergency interventions taken, such as gunshot wounds, post-partum haemorrhage or post-operative bleeds.

## How does it work?



No mess  
Controllable fluid flow  
Easy to set up  
Re-usable

## KEY FEATURES & BENEFITS

- No mess, no fuss, easy set up
- Unique sealed blood flow, heightening the realism of simulation scenarios for more accurate training
- Controllable flow of blood
- Portable and durable for use both indoors and outdoors
- Suitable for use with simulated patients, task trainers and full body manikins
- Can be used to simulate a range of fluids
- Cost effective – re-usable pads and blood save time and money

## SKILLS

- Visual inspection or body assessment
- Identification and assessment of the speed and colour of the bleed or flow
- Assessment of the speed and relevance of the initial trainee interventions
- Assessment of the ongoing patient condition and impact of prior interventions on the patient
- Quantify Blood Loss (QBL)



The **Clean Bleed® Mat** is independent of any training system and can be used alongside both simple and complex training models (as well as simulated patients) for use in simulation.

## Designed to support different scenarios

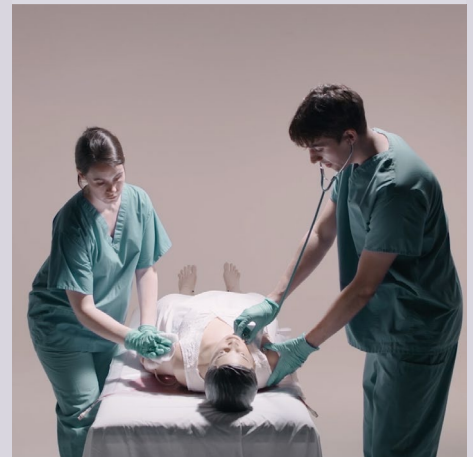
Simulated Patient



Task Trainer



Full Body Manikin



## Easy to clean up?

Post simulation, the pump mechanism can be reversed to remove the majority of the blood back into the fluid reservoir. The residual blood within the pad can be manually drained away or washed for repeat use.

## Can I use my own pads?

The design of the mat bag allows the use of a standard sized inco/chux pad (60 x 90 cm).



## Where would I use it?

Any scenario or clinical procedure where the external flow of blood (or any other fluid) is a critical signal to act and intervene. The flow of blood can be measured either visually, or by weighing.

- High flows: vaginal trauma (including PPH); abdominal, chest and neck trauma; loss of limb and post-operative bleeds.
- Low flows: head or peripheral trauma; post-operative bleeds; meconium fluid.

The **Clean Bleed® Mat** is independent of any training system and can be used alongside both simple and complex training models, as well as simulated patients.

# Clinical Female Pelvic Trainer (CFPT) - Standard & Advanced




STANDARD

60900

60930



The CFPT is an anatomically accurate and tactile representation of the female pelvis. It is the ideal platform for hands-on examination as well as diagnosis of female conditions and minor pathologies. It can be used for many levels of training from undergraduate onwards, as well as in family medicine.

  
 Validated in the  
*International Journal of Gynaecology and Obstetrics*.  
 Volume 124, pp. 270-3, 2014.

## SKILLS

- Recognition of perineal and pelvic anatomy including bony landmarks
- Digital vaginal examination
- Bi-manual examination
- Cervical smear procedure (including use of speculum)
- Digital rectal examination
- Professional-to-patient communication

## QUALITIES

### ANATOMY

- Abdomen, pelvis and genitalia
- Vagina, cervix, anus and lower bowel
- Advanced model comes with interchangeable uterine modules with different complications
- Modules:
  - Normal - Nulliparous Cervix
  - Large Fibroid - Nulliparous Ectropion Cervix
  - Small Fibroid - Nulliparous Polyp Cervix
  - Ovarian Cyst - Multiparous Cervix
  - Retroverted - Multiparous Cervix
  - 10-12 Weeks Pregnant
  - 14-16 Weeks Pregnant

### REALISM

- Abdominal wall with fat layer makes palpation realistic
- Labia can be parted realistically
- Each uterus is presented at the correct anatomical angle

### KEY FEATURES

- Partial thighs aid anatomical orientation
- Soft and strong perineum and labia

### VERSATILITY

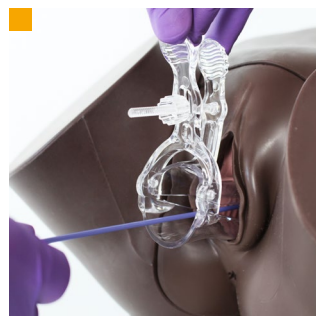
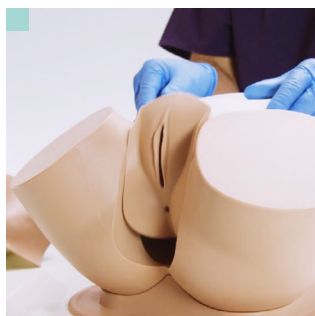
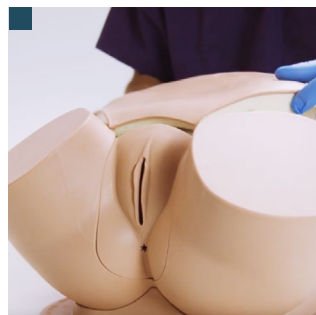
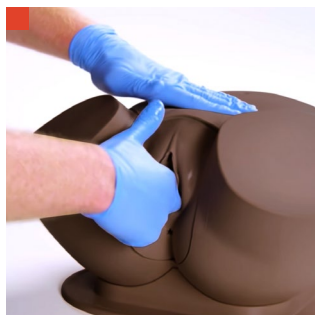
- Modules can be changed quickly and easily

### SAFETY

- Latex free

### CLEANING & CARE

- Skin surface is washable using soap and water



Bi-manual examination ... allowing uterine module to be lifted out

Abdominal wall lifts off... Use of speculum and cervical broom

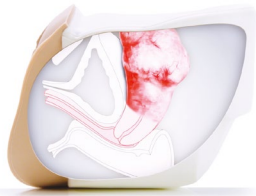
ADVANCED

60905 60935

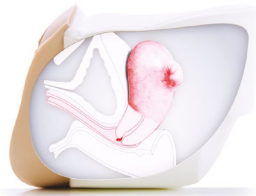


60920 | 60937

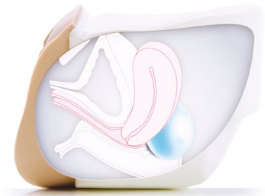
MODULE 1  
Normal - Nulliparous Cervix



60921 | 60938  
MODULE 2  
Large Fibroid - Nulliparous Ectropion Cervix



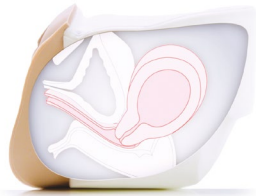
60922 | 60939  
MODULE 3  
Small Fibroid - Nulliparous Polyp Cervix



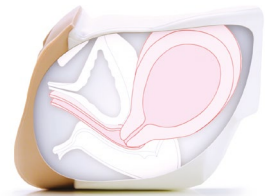
60923 | 60940  
MODULE 4  
Ovarian Cyst - Multiparous Cervix



60924 | 60941  
MODULE 5  
Retroverted - Multiparous Cervix



60925 | 60942  
MODULE 6  
10-12 Weeks Pregnant



60926 | 60943  
MODULE 7  
14-16 Weeks Pregnant

WHAT'S INCLUDED

STANDARD ADVANCED

CFPT Abdominal Insert	✓	✓
CFPT Module 1: Normal - Nulliparous Cervix	✓	✓
CFPT Module 2: Large Fibroid - Nulliparous Ectropion Cervix	✗	✓
CFPT Module 3: Small Fibroid - Nulliparous Polyp Cervix	✗	✓
CFPT Module 4: Ovarian Cyst - Multiparous Cervix	✗	✓
CFPT Module 5: Retroverted - Multiparous Cervix	✗	✓
CFPT Module 6: 10-12 Weeks Pregnant	✗	✓
CFPT Module 7: 14-16 Weeks Pregnant	✗	✓
Lower Torso	✓	✓
Base	✓	✓
Tube of aqueous gel	✓	✓
Carry case	✓	✓(x2)

Patents granted: • US6336812 • EP099027 • DE69804793 • CA 2293585 • ZL98806331 • HK1023832 • 755575 Australia

# Breast Examination Trainer - Advanced, Standard & Basic



ADVANCED

40201 41201



STANDARD

40200 41200



BASIC

40202 41202



Our Breast Examination Trainer provides a highly realistic learning platform for acquiring the skills required to perform Clinical Breast Examination (CBE).

Featuring 6 readily interchangeable and multi-positional pathologies, providing healthcare professionals with the tools to identify various complications and pathologies, including carcinomas, cysts, fibrocystic disease and fibroadenoma.



Both *Simulated Patient* and *Bench Top* training can be used in alignment with healthcare professionals promoting best practice techniques to trainees and patients, or for any undergraduate programs running **OSCEs**.



This product was developed in close collaboration with leading clinicians:

- Mr Peter Donnelly, Torbay Hospital, UK
- Clinical Skills Resources Centre, University of Liverpool, UK
- Clinical Practice Centre, St James’s University Hospital, Leeds, UK

## QUALITIES

### ANATOMY

- Realistic soft tissue and breast anatomy
- Pathologies supplied: carcinomas: 2cm, 3cm, 5cm, cyst, fibrocystic disease, fibroadenoma

### REALISM

- Soft tissue looks and feels realistic
- Clavicular and axilla pads for accurate lymph node placement

### KEY FEATURES

- Pathologies can be placed in various location points and are easily changeable
- Dual purpose product: bench top and Simulated Patient
- Hard torso available for bench top use

### VERSATILITY

- Comfortable to wear for long periods of time during OSCEs and assessments

### SAFETY

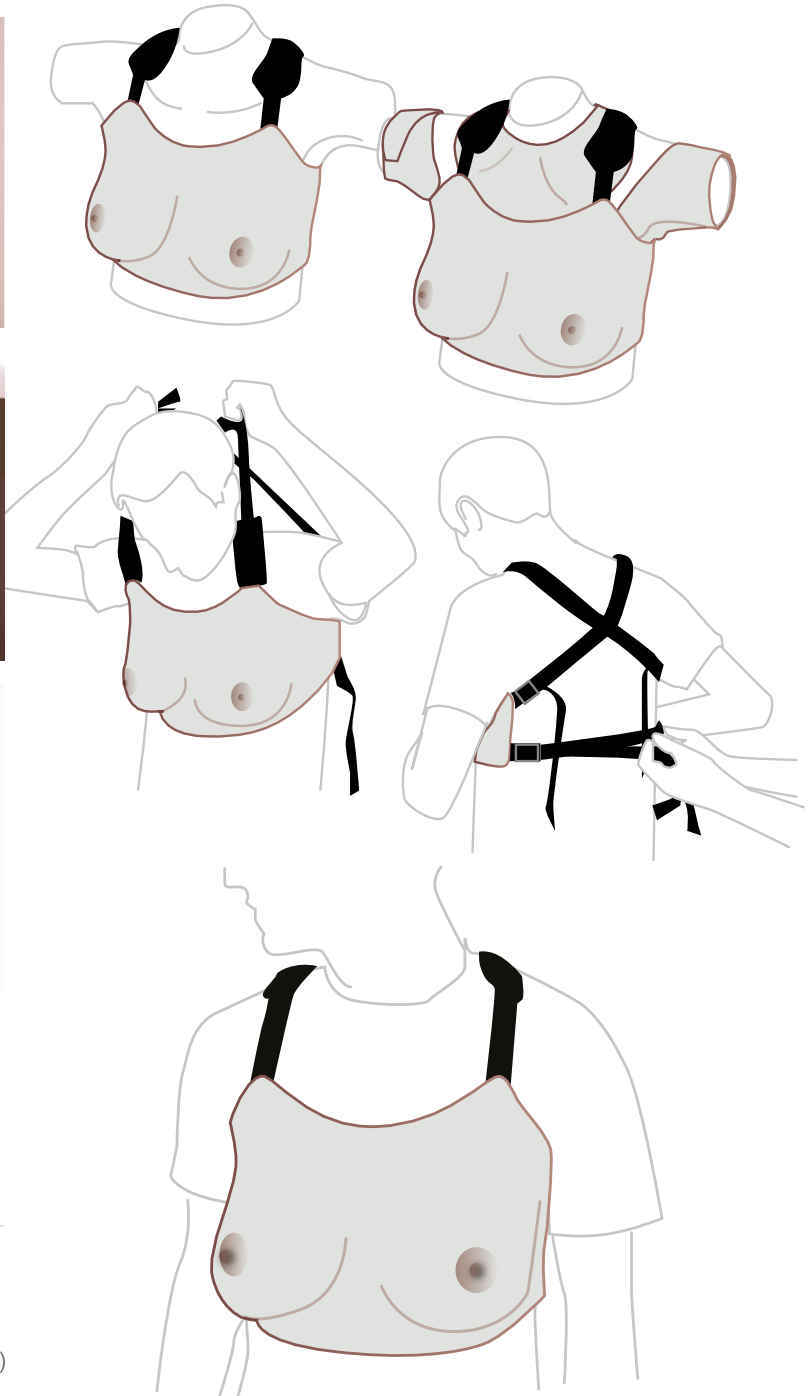
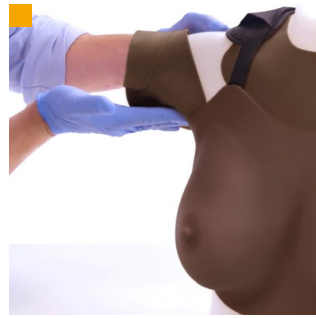
- Latex free

### CLEANING & CARE

- Skin surface is washable using soap and water

**Patents granted:**

- US6336812 • EP099027 • DE69804793 • CA 2293585
- ZL98806331 • HK1023832 • 755575 Australia



- Soft tissue looks and feels realistic
- Pathologies fit securely into supports
- Clavicular and axilla pads for accurate lymph node placement
- Self Breast Examination training

## SKILLS

- Clinical Breast Examination (CBE)
- Self-Breast Examination (SBE)
- Identification of anatomical landmarks
- Identification of lymph nodes (axillary, supra & infraclavicular)
- Diagnosis of pathologies
- Professional-to-patient communication

## WHAT'S INCLUDED

	ADVANCED	STANDARD	BASIC
Wearable Examination Breasts	✓	✓	✓
Pathologies	✓	✓	✓
Breast Examination Inserts	✓	✓	✓
Breast Pathologies Supports	✓	✓	✓
Breast Back Plates	✓	✓	✓
Breast Examination Torso	✓	✓	×
Lymph Node Pads and Lymph Nodes	✓	×	×

## OPTIONAL EXTRAS

40209 Medium Carry Case

# Male Rectal Examination Trainer - Standard & Advanced



STANDARD

- 60170
- 60186

ADVANCED

- 60171
- 60187



The Rectal Examination Trainer offers realistic, repeatable training in the core skill of digital rectal or PR examination.

Both models include a contractible anal sphincter, allowing for anal tone assessment and a faecal impaction clip in module.



The **Standard** model focuses on learning core rectal nursing procedures and excludes any pathologies.

The **Advanced** model comes with a range of prostates and 2 perineums, allowing trainees to become familiar with normal and abnormal findings and acquire key diagnostic skills. External ano-rectal illustrations are ideal for incorporation into scenarios and **OSCE** assessments.

## SKILLS

- Digital examination of the anus, rectum and prostate
- Assessment of anal tone
- Identification of impacted faecal matter in the rectum
- Identification of external ano-rectal conditions\*
- Professional-to-patient communication
- Insertion of rectal medication (micro enemas, suppositories)

## QUALITIES

\* *Advanced model*

### ANATOMY

- Buttocks, anus, rectum, prostate and perineum
- Pathological perineum – with polyp and rectal cancer\*
- 4 abnormal prostates\*:
  - Benign unilateral enlarged
  - Benign bilateral enlarged
  - Unilateral carcinoma
  - Bilateral carcinoma

### REALISM

- Soft, partible buttocks
- Realistic anus with resting tone and ability to contract

### KEY FEATURES

- Simulation of sphincter contraction allows trainees to assess anal tone
- Interchangeable prostates can be quickly and easily inserted, out of sight of the trainee\*
- Left lateral positioning
- Addition of impacted faecal matter allows trainees to recognise and distinguish this common finding
- High quality illustration pack of 9 external anal conditions\*

### VERSATILITY

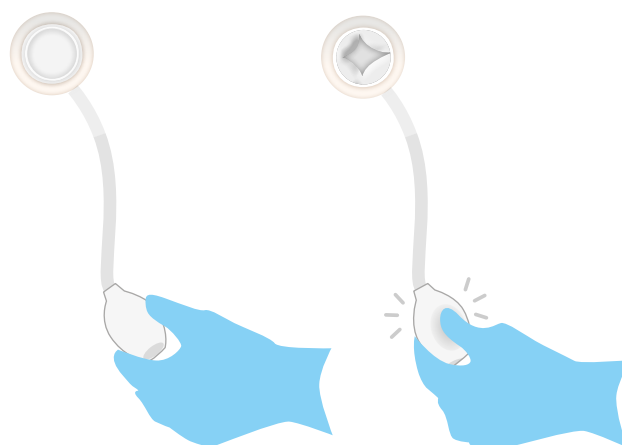
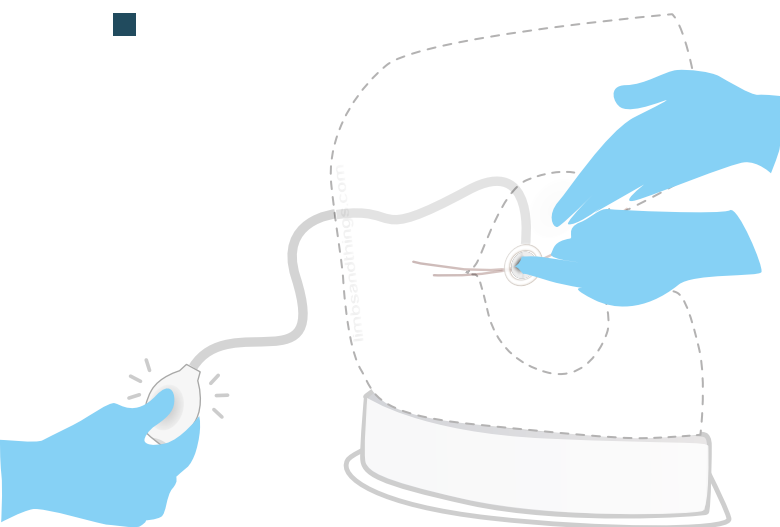
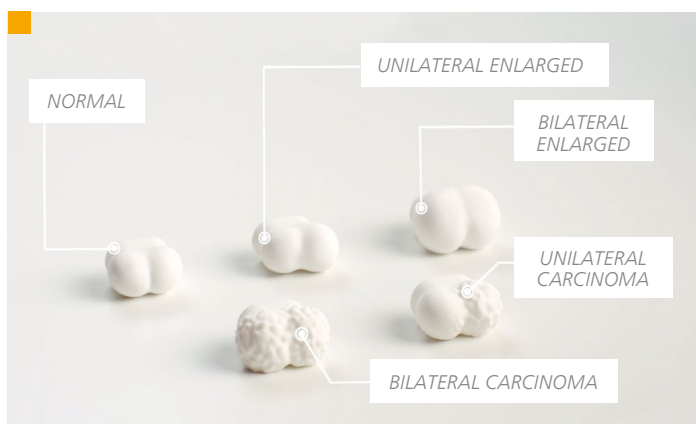
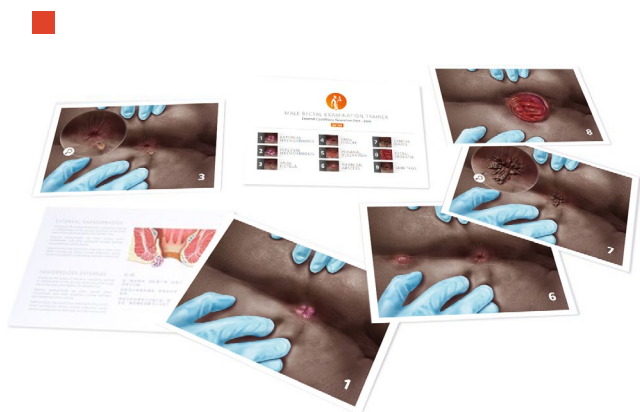
- Trainer can also be presented in 'semi-standing' position using the optional **Standing Position Stand (60172)**

### SAFETY

- Latex free

### CLEANING & CARE

- Skin surface is washable using soap and water



- External conditions illustration pack
- Range of prostates
- Anal tone assessment

## WHAT'S INCLUDED

STANDARD

ADVANCED

Base Unit	✓	✓
Left Lateral Stand	✓	✓
Normal Perineum with Anal Tone	✓	✓
Pathological Perineum with Anal tone	x	✓
Normal Prostate	✓	✓
Benign Unilateral Enlarged Prostate	x	✓
Benign Bilateral Enlarged Prostate	x	✓
Unilateral Carcinoma Prostate	x	✓
Bilateral Carcinoma Prostate	x	✓
Impacted Faecal Matter	✓	✓
External Conditions Illustration Pack	x	✓
Water-based Lubricant	✓	✓

## OPTIONAL EXTRAS

- 60172** Standing Position Stand
- 40209** Medium Carry Case

# Clinical Male Pelvic Trainer (CMPT) Mk 2 - Standard & Advanced

STANDARD

60950

60964



An ideal platform for teaching and learning hands-on male pelvic examination and diagnosis.

The user-friendly design, combined with clear anatomic landmarks, and a range of male conditions and pathologies creates a realistic training experience for students across all levels of healthcare education from undergraduate level upwards.

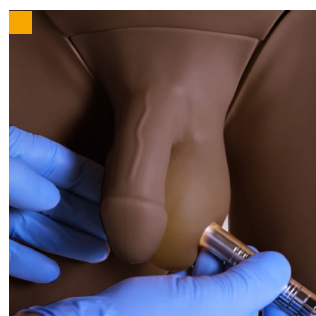
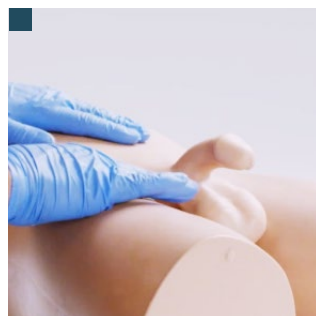
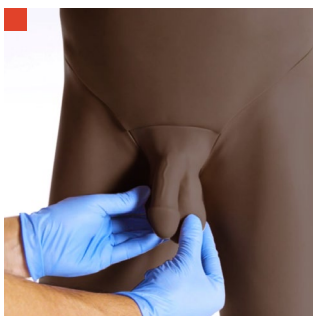
Validated in the *Journal of Surgical Education*  
Volume 74, Issue 3, May–June 2017.

Developed in collaboration with:

- The Clinical Skills Resource Centre, University of Liverpool, UK
- Imperial College, London, UK
- Guy's Hospital, London, UK
- Southmead Hospital, Bristol, UK
- University of Southampton, UK

## SKILLS

- Correct examination procedure of male pelvis
- Examination and evaluation of:
  - Normal anatomy
  - Testicular abnormalities
  - Abdominal and pelvic pain
- Dry catheterisation
- Professional-to-patient communication



Realistic training experience  
Penile cancer

Pelvic examination, supine position  
Diagnosis of pathologies

## QUALITIES

### ANATOMY

- Abdomen, pelvis and genitalia
- Anatomy of the groin with clear anatomical landmarks:**

- Anterior Superior Iliac Spine (ASIS)
- Pubic symphysis and tubercles

### Genitalia includes:

- Penis (both circumcised and non-circumcised)
- Scrotum (containing testicles with epididymis and vas deferens)

### Pathologies (Advanced model only):

- Varicocele
- Testicular tumour and penile cancer
- Epididymal cyst
- Hydrocele
- Orchitis/Epididymo-orchitis
- Indirect inguinal hernia

### REALISM

- Soft tissue genitals and abdominal wall

### VERSATILITY

- Soft tissue inserts can be removed and replaced
- Can be used in 2 positions (standing and supine)

### SAFETY

- Modules 5 & 7 contain latex

### CLEANING & CARE

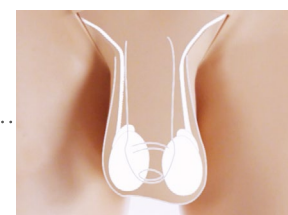
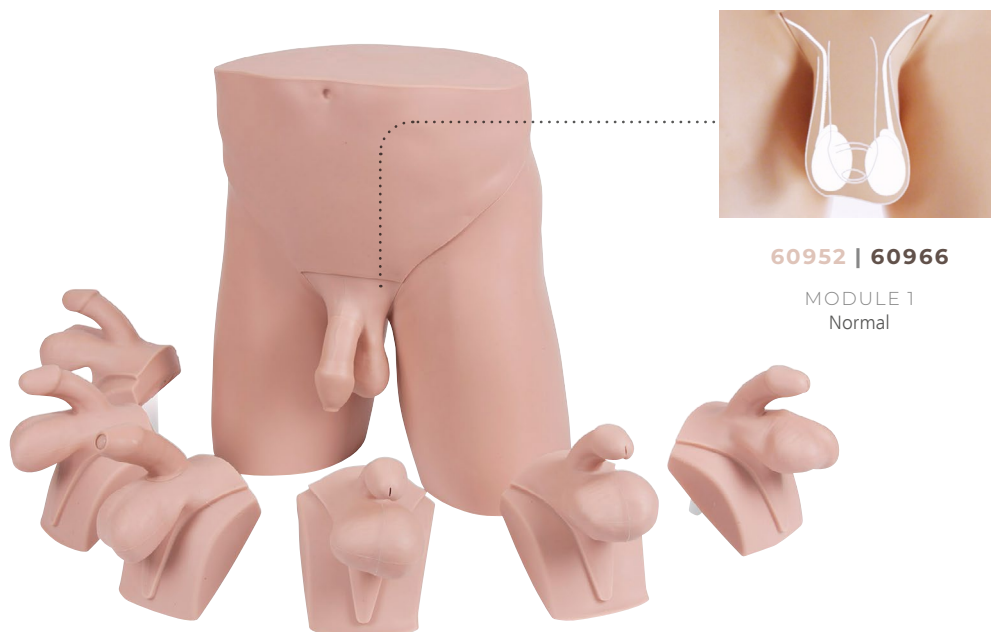
- Skin surface is washable using soap and water



ADVANCED

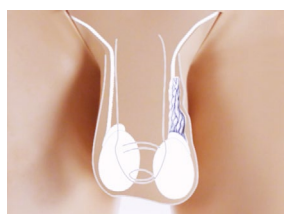
60951

60965



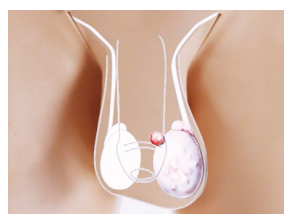
60952 | 60966

MODULE 1  
Normal



60953 | 60967

MODULE 2  
Varicocele



60954 | 60968

MODULE 3  
Testicular Tumours & Penile Cancer



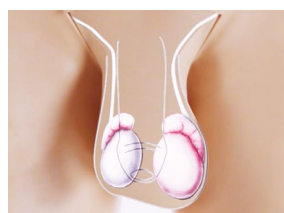
60955 | 60969

MODULE 4  
Epididymal Cysts



60956 | 60970

MODULE 5  
Hydrocele



60957 | 60971

MODULE 6  
Orchitis/Epididymo-orchitis



60958 | 60972

MODULE 7  
Indirect Inguinal Hernial

WHAT'S INCLUDED

	STANDARD	ADVANCED
CMPT Module 1: Normal	✓	✓
CMPT Module 2: Varicocele	x	✓
CMPT Module 3: Testicular Tumours & Penile Cancer	x	✓
CMPT Module 4: Epididymal Cysts	x	✓
CMPT Module 5: Hydrocele	x	✓
CMPT Module 6: Orchitis/Epididymo-orchitis	x	✓
CMPT Module 7: Indirect Inguinal Hernia	x	✓
CMPT Abdominal Insert	✓	✓
CMPT Pubic Bone	✓	✓(x2)
CMPT Foreskins Pack (each pack contains 2 foreskins & 3 lubricant sachets)	✓	✓(x2)
Lower Torso	✓	✓
Support base	✓	✓
LED pen torch	x	✓
Carry case	✓	✓(x2)

Patents granted: • US6336812 • EP099027 • DE69804793 • CA 2293585 • ZL98806331 • HK1023832 • 755575 Australia

# Abdominal Examination Trainer


60000

60054



An anatomically accurate adult male torso, used to teach and practise the palpation, auscultation and percussion elements of abdominal or gastrointestinal (GI) examination.

With interchangeable organs of varying sizes, and an integrated MP3 player providing realistic sounds, the trainer provides the ability to recognise and differentiate a range of abnormal organs and pathologies.

 Ideal for **OSCE** preparation and assessment.



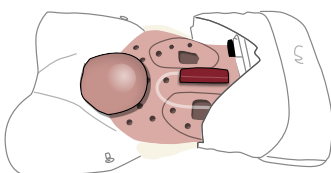
## SKILLS

- Familiarity with the abdominal regions and underlying anatomy
- Practice in abdominal palpation, auscultation and percussion
- Ability to differentiate normal from abnormal anatomy
- Identification of ascites, specifically shifting dullness and fluid thrill
- Identification of gaseous distension and bowel obstruction
- Ballottement of kidneys
- Professional-to-patient communication

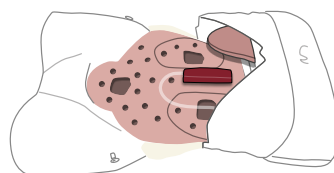


## SET-UP EXAMPLES FOR SCENARIOS

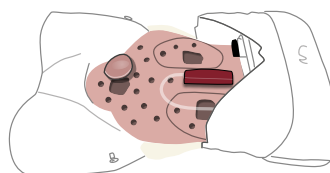
ACUTE URINARY RETENTION - BLADDER



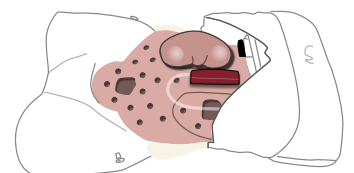
SLIGHTLY ENLARGED LIVER



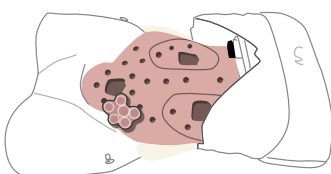
OVARIAN CYST - SMOOTH SOFT MASS



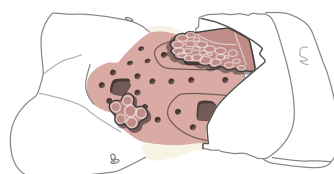
ENLARGED KIDNEY



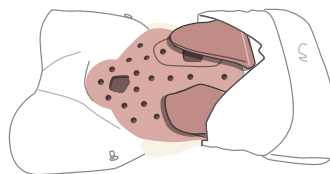
CARCINOMA ON MASS IN LEFT ILIAC FOSSA



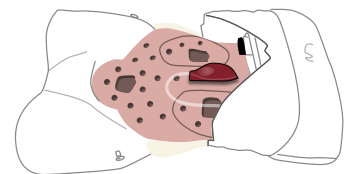
CARCINOMA WITH LIVER METASTASIS



LYMPHOMA



AORTIC ANEURYSM





Ballottement of kidneys  
Training in auscultation  
Gaseous distension & ascites simulation  
Interchangeable organs & pathologies

## QUALITIES

### REALISM

- Organs feel realistic on palpation and respond appropriately to percussion
- Lifelike quality of abdominal skin accommodates stretching for gaseous distension and ascites simulation
- Realistic ballottement of enlarged kidney

### VERSATILITY

- Abdominal skin is simple to remove, allowing quick and easy changeover of organs
- Suitable for both bench top use and hybrid use with Simulated Patient
- Model can be rolled onto side for examination of ascites and shifting dullness

### KEY FEATURES

- Interchangeable organs and pathologies of varying sizes can be quickly and easily inserted into the abdomen
- Trainer or Simulated Patient can vary respiratory movement of liver and spleen by the turn of a wheel
- Integral amplifier and surface mounted MP3 player allow training in auscultation of normal and high-pitched or obstructed bowel sounds, renal and aortic bruits - in variable locations
- Volume of bowel sounds can be adjusted and MP3 player allows for additional sounds to be loaded
- Distension set allows for the following:
  - Realistic checking for ascites using percussion, shifting dullness or fluid thrill technique
  - Simulation of bowel obstruction on percussion and auscultation
- Pulse bulb allows simulation of normal and aneurysmal aortic pulse

### SAFETY

- Latex free

### CLEANING & CARE

- Skin surface is washable using soap and water

## ANATOMY

- Torso featuring abdomen, pelvis and lower part of thorax
- Bony landmarks include ribs, costal margin, xiphisternum, pubic crest and anterior superior iliac spines
- 3 Livers: slightly enlarged, enlarged with smooth edge and enlarged with irregular edge
- 2 Spleens: slightly enlarged and markedly enlarged
- 2 Enlarged Kidneys
- Distended Bladder
- 2 Aortas: normal and aneurysmal
- Set of 6 Abdominal Pathologies includes:
  - 4 Smooth masses: 2 sizes, each with hard and soft version
  - 2 Irregular hard masses
- Distension Set includes:
  - Ascites bag
  - Gaseous distension bag, pump and foam insert
- Simplified representation of lower thoracic & lumbar spine

## WHAT'S INCLUDED

Abdominal Examination Base Unit  
Abdominal Examination Skin  
Abdominal Examination Rectus Bag  
Abdominal Examination Organ Locator  
Abdominal Wall  
Abdominal Examination Livers (Set of 3)  
Abdominal Examination Spleens (Set of 2)  
Abdominal Examination Kidneys (x2)  
Abdominal Examination Bladder  
Abdominal Examination Pathologies (Set of 6)  
Abdominal Examination Aortas (Set of 2)  
Abdominal Examination - Distension Set  
International 5V DC Power Supply  
AA Batteries (x4)  
Carry case (x2)

## Eye Examination Trainers

Eye Examination Trainers are dependable training tools for teaching and practising the use of an ophthalmoscope, examining the ocular fundus, and learning and identifying diseases and conditions within the eye.

### Eye Examination Simulator

KKM82

KKM82D



#### KEY FEATURES

- 10 fundal slides feature real clinical images
- Adjustable dilation 3 steps (2.0mm, 3.5mm, 5.0mm), visual axis and depth of fundus slides allow for different degrees of challenge
- Soft and supple material making for realistic eyelid raising.
- Red reflex detectable during examination
- A study guide, covering the cases depicted on the slides, is included to assist in self-study

#### EYE EXAMINATOR SIMULATOR STANDARD 10 CASES

- Normal eye-ground
- 10 fundus cases of common eye diseases with 90 scenarios possible
- Pupil diameter variations: 3 steps (2.0mm, 3.5mm, 5.0mm)
- Hypertensive retinopathy: arteriolar vasoconstriction grade 3, arteriosclerosis grade 1
- Haemorrhages and cotton wool spots, simple vein concealment
- Simple/background diabetic retinopathy: microaneurysm, haemorrhages and hard exudates
- Papilloedema (chronic & acute sphase)
- Glaucomatous optic atrophy: glaucomatous optic disc cupping and nerve fiber defect
- Retinal vein occlusion (acute phase & after retinal laser photocoagulation)
- Toxoplasmosis: retinochoroiditis
- Age-related macular degeneration
- 3 types of enlarged optic disc recess

## KYOTO KAGAKU

### SKILLS

- Correct use with all types of direct ophthalmoscope (not supplied)
  - Right eye to right eye
  - Adjustment of focus (3 steps)
  - Visualisation of fundus reflection
- Differentiation of pathologies
- Communication skills

### Digital Eye Examination Simulator

KKM61

KKM61D

NEW



#### KEY FEATURES

- 40 pre-installed authentic fundus cases (See chart below)
- Custom fundus images can be programmed via USB
- Adjustable dilation 2 steps (3.5mm, 5.0mm), visual axis and depth of fundus slides allow for different degrees of challenge
- Soft and supple material making for realistic eyelid raising
- Red reflex detectable during examination
- Monitor is 160dpi high resolution

#### DIGITAL EYE EXAMINATOR SIMULATOR - ENHANCED 40 CASES

- Normal eye-ground with enlarged optic disc recess with drusen type 2
- 40 fundus cases (including 10 common diseases) are pre-installed for training. Customised fundus cases can be programmed into the simulator via a USB
- Pupil diameter variations: 2 steps (3.5mm, 5.0mm)
- Optic disc haemorrhage
- Haemorrhage
- Chorioretinalatrophy types 1, 2 & 3
- 4 types of vitreous clouding
- 2 types of retinal nerve fiber layer defect
- Pigmentation
- Haemorrhage with vascular white sheath
- Photocoagulation spots
- 3 types of epiretinal membrane

## Ear Examination Simulator II

KKMW12

KKMW12D



### QUALITIES

#### ANATOMY

- Head, neck and shoulders
- Anatomically correct soft ear model with external acoustic meatus and tympanic membrane

#### REALISM

- Ear model allows training in straightening the auditory canal by pulling the auricle
- The neck can be tilted to allow proper head positioning

#### KEY FEATURES

- Warning against painful insertion with or without beep
- 9 major clinical cases are prepared:
  - Normal
  - Serous otitis media (SOM)
  - Mucoïd otitis media (MOM)
  - Chronic otitis media with perforation
  - Acute suppurative otitis media (AOM)
  - Cholesteatoma
  - Tympanosclerosis
  - Traumatic perforations
  - Cerumen block
- Foreign body removal set supplied. Includes simulated earwax, small toys and small sponge fragments

#### VERSATILITY

- Examination possible on both left and right ears
- Suitable for use with all otoscopes
- 4 matching sets of right and left ears
- 2 sizes of ear canal for all cases
- Cases can be switched over easily by using the dial on the back of the mode

#### SAFETY

- Latex free

## KYOTO KAGAKU

A life-size model of the ear including external acoustic meatus and tympanic membrane, for training in examination of the ear with an otoscope and foreign body removal.

The model offers two modes of use:

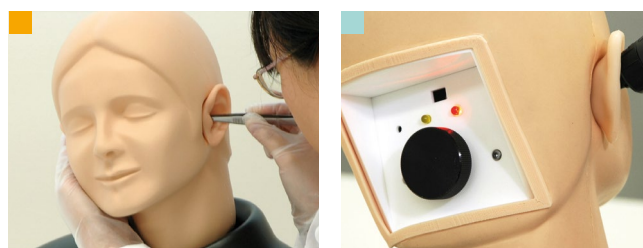
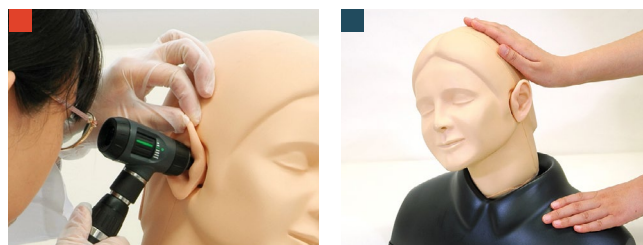
- Instructor mode: particularly useful for OSCE or skills examination scenarios, allowing instructors to guide and evaluate students' proficiency in ear examination techniques and ability to identify different pathologies.
- Self-learning mode: enables and empowers independent learners to practice and refine their skills at their own pace.

The model warns against painful insertion in the ear by beeping and/or displaying a warning light to the assessor.

A yellow light indicates when the tip of the otoscope reaches the bony part of the ear canal, and a red light indicates when it touches the eardrum.

### SKILLS

- Ear examination with an authentic otoscope of your choice (not supplied)
- Diagnosis of up to 9 cases
- Earwax and foreign body removal



- Examination of the ear with an otoscope
- Head can be tilted to allow for proper positioning
- Foreign body removal can be practised
- Red light comes on when otoscope touches eardrum

### WHAT'S INCLUDED

Manikin head & shoulders

4 pairs of ear units:

- Examination ear (normal)
- Examination ear (stenosis)
- Foreign body ear (normal)
- Foreign body ear (stenosis)

Foreign body removal kit

Carry case

## Cardiovascular &amp; Respiratory Examination (CaRE)



NEW



The new CaRE (Cardiovascular & Respiratory Examination) Trainer teaches the key skills needed to carry out a cardiovascular or respiratory examination.

The CaRE Trainer has lifelike pulses, chest movement, apex beat, thrills & heaves. Along with 25 heart sounds profiles and 10 lung sounds that can be listened to via the LimbPAD.

The 34 clinical cases that range from common to complex pathologies. The clinical cases showcase the **patent pending** technology with the pulses, lung & heart sounds, mouth sounds and chest movement all synchronising together. These skills synchronising together allows the model to realistically represent a real patient.

## ANATOMY

- Anatomically correct auscultation & palpation sites
- Representative of a 55-65 year old
- Attachable breasts with realistic feel
- Trachea with jugular notch
- Articulating arms

## SKILLS

- Auscultation
- Palpation
- General patient inspection
- Clinical examination skills
- Diagnostics skills
- Tissue management



## QUALITIES

### KEY FEATURES

#### Pulses

- Realistic radial, femoral & carotid pulses with 6 different characteristics available at rates from 30 to 170 BPM

#### Apex beats

- Apex beats in both the normal & displaced location at varying pulse rates

#### Heaves

- Visible and palpable heaves

#### Thrills

- Palpable thrills over the four heart valves

#### Trachea

- Realistic feel of trachea and larynx with the ability to displace the trachea to the left and right

#### Auscultation

- Heart and lung sounds across chest and back
- 24 individual heart sounds
- Each heart sound includes 4 heart valve locations (Aortic Pulmonary, Tricuspid & Mitral valves)
- 10 individual lung sounds

#### Breathing

- Visible breathing with realistic symmetrical and asymmetrical chest rise & fall at variable rates, patterns, and depth.
- Realistic palpation of moving chest
- Mouth sounds

### VERSATILITY

- Can be used upright, 45° or supine.
- LimbPAD can be connected to a speaker to play sounds out loud.
- Can be used in a classroom or clinical setting

## WHAT'S INCLUDED

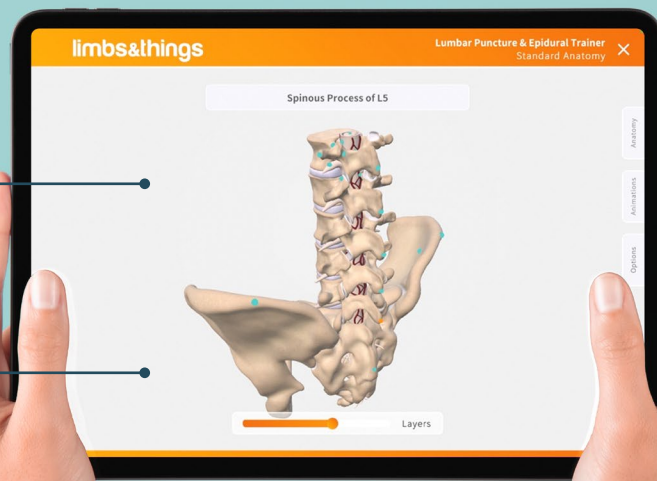
- CaRE Torso
- LimbPAD
- Attachable Breasts
- Base & Straps
- Power cord
- USB C cable
- Travel case available separately



**NEW**

## Labeled layers of anatomy

## Procedure animations



### KEY FEATURES & BENEFITS

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

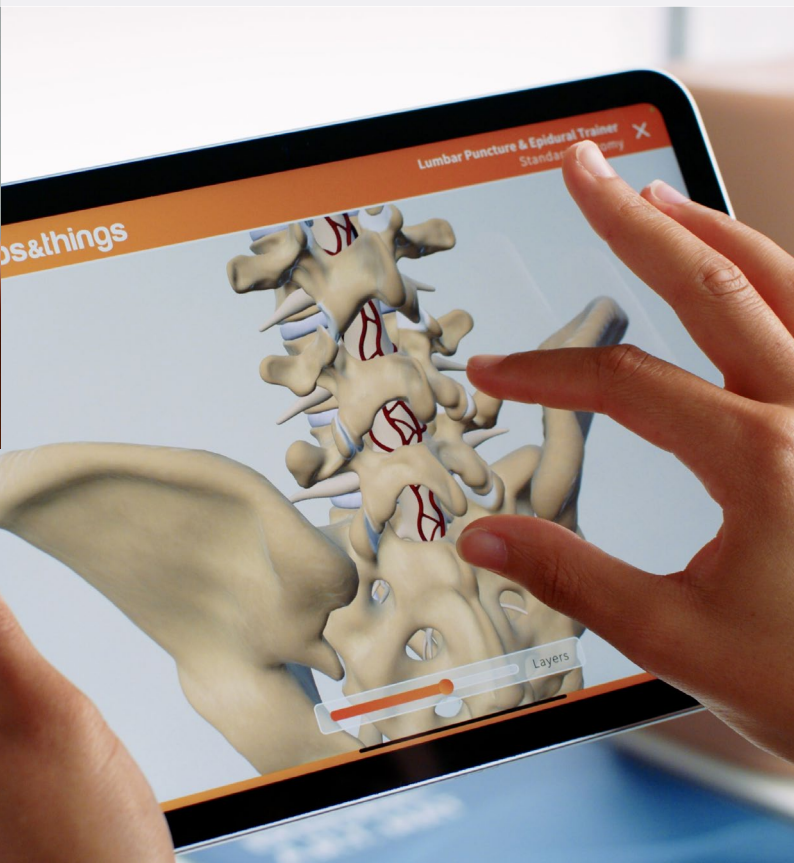
### SKILLS

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



Augmented Reality Training utilises the latest AR technology and 3D modelling to enhance our products. The innovative system elevates understanding by allowing users to visualise anatomy and conceptualise procedures.

## Interactive



## Augmented Reality



**The ART app and mat work together to activate the virtual environment learning.**

ART is available with a number of our products.  
Check our website for the latest updates.

**Find out  
more**



[CLICK HERE](#)

## CATHETERISATION TRAINER RANGE



COMPATIBLE WITH  
**AUGMENTED REALITY  
TRAINING**  
Discover the benefits on page 24

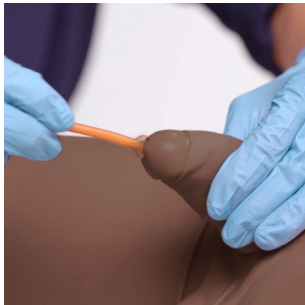


The Catheterisation Range facilitates the teaching of urethral and suprapubic catheterisation across all levels of training.

Interchangeable modules allow practice of the fundamental procedures of male and female urethral catheterisation, as well as more advanced skills of suprapubic management and ultrasound guided insertion.

The anatomically accurate trainers include a supple urethra and resistant sphincter providing a closer to life training experience.

### Male Catheterisation Trainer



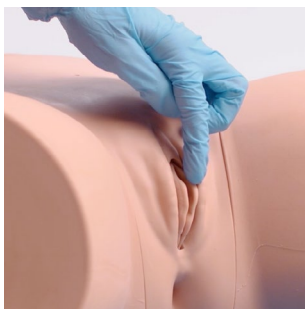
60850    60870

The male trainer has soft and compliant genitalia to enhance the realistic experience of catheter insertion.

Retractable and removable foreskin.

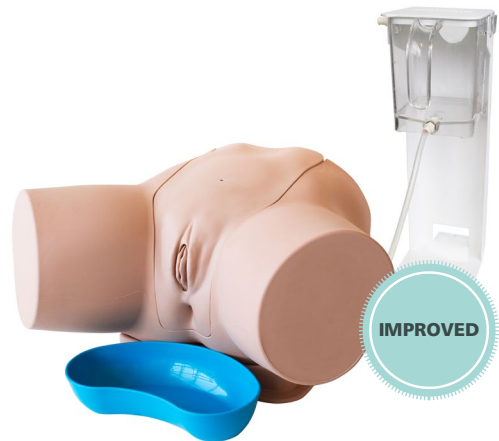


### Female Catheterisation Trainer



60851    60869

The female trainer has soft labia allowing trainees to practice parting using the aseptic no touch technique, as well as management and care of a pre-inserted suprapubic catheter via the pre-ported bung.



### Suprapubic Insertion Unit



60852    60873

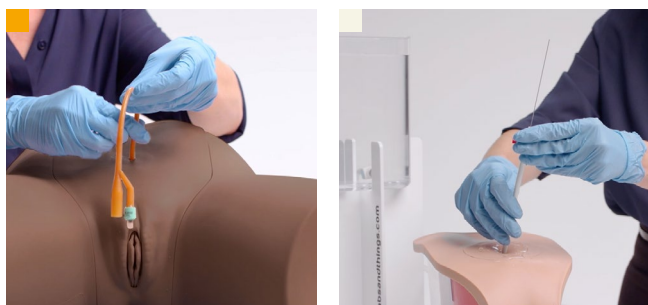
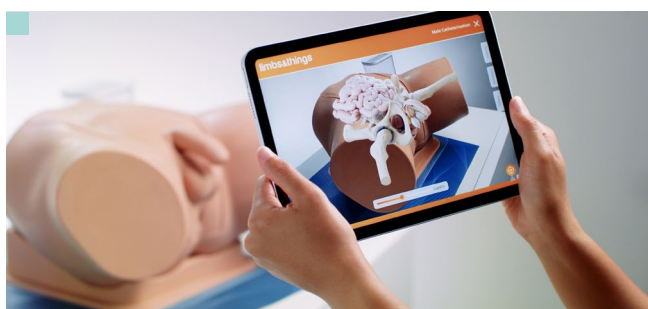
Optional module, designed for advanced skills training, allowing trainees to master ultrasound guided suprapubic catheterisation insertion.

Fits into the pelvic shell and stand .



## SKILLS

- Correct handling of male and female anatomy
- Aseptic catheterisation technique
- Withdrawal of catheter
- Urinary catheterisation
- Suprapubic catheter management - female module
- Suprapubic catheter insertion (blind and ultrasound guided)\*
- Ultrasound bladder scanning on a full bladder\*
- Fluid management



- Compatible with Augmented Reality Training
- Aseptic catheterisation technique
- Ability to view catheter path when module used without pelvic shell
- Suprapubic management
- Suprapubic catheter insertion

## QUALITIES

### REALISM

- Supple urethra & resistant sphincter providing realistic response
- Flaccid penis and removable foreskin
- Vaginal opening and realistic urethral meatus
- Anatomically accurate bladder

### KEY FEATURES

- Ability to assess the student's progress
- Ultrasound compatible\*
- Easy to set up
- Modular

### VERSATILITY

- Easily interchangeable male, female and suprapubic catheterisation modules
- Removable foreskin

### SAFETY

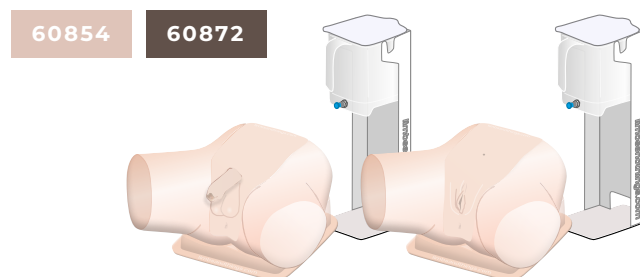
- Trainer is latex free (catheters provided contain latex)

\* 60852 | 60873 Only

## Standard Catheterisation Trainer Set



## Advanced Catheterisation Trainer Set



## WHAT'S INCLUDED

	MALE	FEMALE	SUPRAPUBIC	STANDARD	ADVANCED
Male Catheterisation Module	✓	×	×	✓	✓
Female Catheterisation Module	×	✓	×	✓	✓
Suprapubic (Ultrasound) Catheterisation Module	×	×	✓	×	×
Suprapubic Insertion Bungs (x2)	×	×	✓	×	×
Catheterisation Foreskins (x3)	✓	×	×	✓	✓
Aseptic Catheterisation Sleeves (x2)	✓	✓	×	✓	✓(x2)
Water System	✓	✓	✓	✓	✓(x2)
Pelvic Shell & Stand	✓	✓	×	✓	✓(x2)
Water Extension Tubing	✓	✓	×	✓	✓(x2)
Limbs & Things Lubricant	✓	✓	×	✓	✓(x2)
Antifungal Agent (Milton Sterilising Fluid)	✓	✓	✓	✓	✓(x2)
14 French Foley Catheter	✓	✓	×	✓	✓(x2)
Plastic Kidney Dish	✓	✓	×	✓	✓(x2)
ART (Augmented Reality Training) mat	✓	✓	×	✓	✓(x2)

## LUMBAR PUNCTURE & EPIDURAL RANGE



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

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

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

### 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.



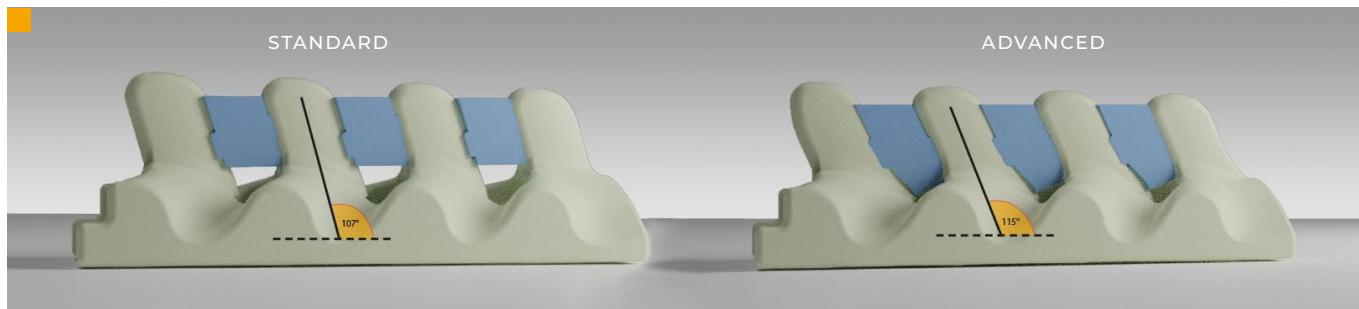
### Ultrasound Epidural & Lumbar Puncture Model

- 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.





QUALITIES

ANATOMY

- Palpable sacrum, iliac crests and vertebrae L2-5

REALISM

- Can feel when the dura has been punctured
- Able to practise loss of resistance technique\*
- Obese skin options\*
- Optional steeper spine and smaller vertebral spaces\*

KEY FEATURES

- Position in left lateral and sitting

VERSATILITY

- All inserts compatible with common base
- Rotatable skin to ensure cost effective training

\* 61001 | 61024 Only



Epidural inserts  
Compatible with Augmented Reality Training

SKILLS

- Injection of local anaesthetics
- Lumbar puncture
- Collect and measure CSF
- Epidural administration
- Ultrasound-guided technique
- Obese option

	LUMBAR PUNCTURE MODEL	ADVANCED EPIDURAL & LUMBAR PUNCTURE	ULTRASOUND EPIDURAL & LUMBAR PUNCTURE
• Injection of local anaesthetics	✓	✓	✓
• Lumbar puncture	✓	✓	✓
• Collect and measure CSF	✓	✓	✓
• Epidural administration	x	✓	✓
• Ultrasound-guided technique	x	x	✓
• Obese option	x	✓	x

WHAT'S INCLUDED

	LUMBAR PUNCTURE MODEL	ADVANCED EPIDURAL & LUMBAR PUNCTURE	ULTRASOUND EPIDURAL & LUMBAR PUNCTURE
Epidural & Lumbar Puncture Torso with Torso Skin	✓	✓	✓
Epidural & Lumbar Puncture Stand	✓	✓	✓
Lumbar Puncture Insert - Bone	✓	✓	x
Lumbar Puncture Insert - Tissue (x2)	✓	✓	x
Epidural Insert (x2)	x	✓	x
Advanced Epidural Insert (x2)	x	✓	x
Epidural & Lumbar Puncture Ultrasound Insert (x2)	x	x	✓
Epidural & Lumbar Puncture Skin Pad	✓	✓	x
Epidural & Lumbar Puncture Fat Pad (x3)	x	✓	x
Epidural & Lumbar Puncture Standard Dura (x2)	✓	✓	✓
Epidural & Lumbar Puncture Advanced Dura (x4)	x	✓	✓
Epidural & Lumbar Puncture Iliac Crest Insert	✓	✓	✓
Epidural & Lumbar Puncture Insert Cartridge	✓	✓	✓
Epidural & Lumbar Puncture Sacral Insert	✓	✓	x
Water Reservoir	✓	✓	✓
Marker pen	x	x	✓
ART (Augmented Reality Training) mat	✓	✓	✓

# Chest Drain & Needle Decompression Trainer



60230

61230

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, chest drainage and needle decompression techniques. Chest tube insertion is possible on both types of pad, with the Advance model allowing practice of Seldinger's ultrasound technique.



\*ART compatible from February 2024

## QUALITIES

### ANATOMY

- Representation of adult male thorax with arms raised
- Bony and soft tissue landmarks: manubriosternal joint, clavicles, ribs, pectoralis major and latissimus dorsi
- Internal ultrasound anatomy: diaphragmatic structures and collapsed lung

### REALISM

- Can give the impression of breathing under ultrasound when using the advanced pad
- Needle decompression on the midclavicular lines, produce a realistic "hiss" of air releasing. A saline filled syringe can also be used to observe bubbles of gas releasing from the chest cavity
- Simulate movement within the liquid of the chest cavity when using ultrasound guided procedure
- Standard pads offer a realistic "pop" on insertion of finger or forceps into the pleural space

### KEY FEATURES

- Reservoirs can be filled with fluid or mock blood to represent pleural effusion
- Bilateral chest drain and needle decompression pads

### VERSATILITY

- Suitable for supine, sitting or leaning forwards positions
- Works with thoracic seals when using the standard pad
- Affordable replaceable pads

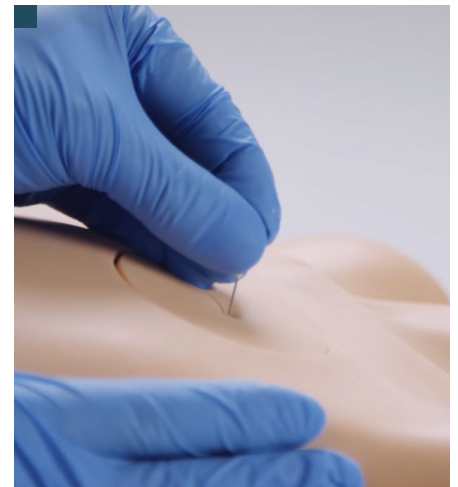
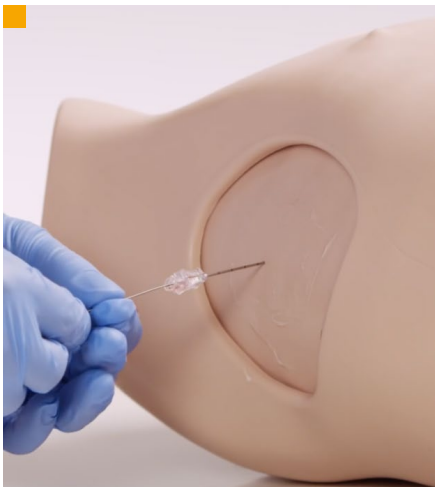
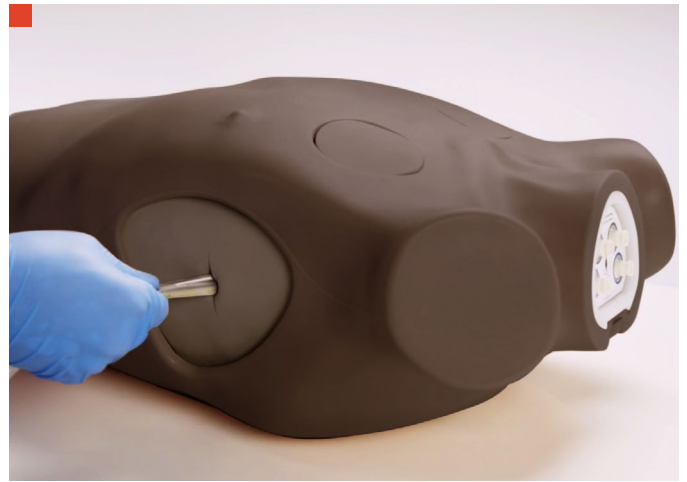
### SAFETY

- Latex free

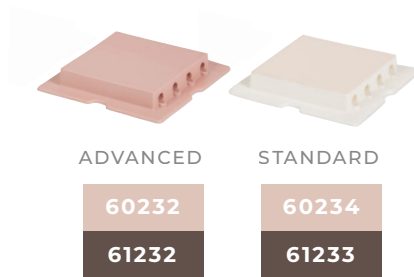
## SKILLS

- Needle decompression of a tension pneumothorax (at both the 2nd and 5th intercostal space)
- Open or cut-down chest drain insertion: recognition of correct position, surgical incision, blunt dissection through chest wall, perforation of pleura and finger sweep
- Application of adhesive dressings and/or suturing of chest tube
- Ultrasound-guided chest drain insertion (Seldinger-technique), including insertion of needle under direct vision and ultrasonic recognition of chest structures
- Management of pleural effusion





- Blunt dissection
- Chest tube insertion
- Seldinger technique
- Internal anatomy visible under ultrasound
- Realistic needle decompression



**PAD  
FEATURE  
COMPARISON**

	ADVANCED 60232 61232	STANDARD 60234 61233
• Ultrasoundable	✓	×
• Use with liquids	✓	×
• Effusion	✓	×
• Haemothorax simulation	✓	×
• Pleural layer	✓	✓
• Blunt dissection	✓	✓
• Seldinger technique	✓	×
• Can be sutured	✓	✓
• Needle insertion	✓	✓
• Guidewire insertion	✓	✓
• Dilator insertion	✓	✓
• Drain tube insertion	✓	✓
• Use with adhesive dressings	✓	✓
• Shows respiratory swing	✓	×
• Latex free	✓	✓

**WHAT'S INCLUDED**

60230	61230
-------	-------

- Needle Decompression Pads (x2)
- Advanced Chest Drain Pads (x2)
- Standard Chest Drain Pads (x2)
- Chest Drain Rib Frame (Left)
- Chest Drain Rib Frame (Right)
- Chest Drain Lungs (x2)
- Chest Drain Diaphragms (x2)
- Chest Drain Ribs (x12)
- Chest Drain Pump: Respiratory Swing
- Chest Drain Pump: Needle Decompression
- Chest Drain Slotted Retaining Knobs
- Key with keyring
- Torso
- Carry case
- ART (Augmented Reality Training) mat

TruMan Trauma X 

TCTB10001

TCTB10001DS



Able to simulate a range of emergency procedures, TruMan Trauma is ideal for training in advanced airway management skills for life threatening trauma situations including needle decompression, cricothyroidotomy, and chest tube insertion.

The anatomically correct adult male torso manikin incorporates TruCorp's signature AirSim X design for realistic airway management skills training.

## QUALITIES

### ANATOMY

- Adjustable head and neck mechanism with full tilt, chin lift and jaw thrust
- Larynx with cricoid landmarks, laryngeal cartilages and tracheal rings
- Tongue that can replicate various severities of tongue edema (via an inflation bulb)

### REALISM

- Anatomically accurate oral and nasopharyngeal AirSim X airway
- Thoracic landmarks with realistic feel under palpation
- Inflatable tongue can be adjusted to simulate normal lingual tension, tongue edema, and anaphylactic reactions
- Realistic look and feel of tissues representing skin, fat and muscle
- Accurate representation of rise and fall during ventilation
- Audible hiss on successful needle insertion into 2nd and 5th intercostal spaces

### KEY FEATURES

- **Cardiopulmonary resuscitation (CPR)** – full head tilt, chin lift and jaw thrust for airway preparation prior to resuscitation, life-like recoil during compressions
- **Cricothyroidotomy and tracheostomy** - palpable cricoid landmarks, laryngeal cartilages, and tracheal rings
- **Chest tube insertion** - surgical incision, blunt dissection, perforation of pleura and finger sweep
- **Needle decompression** - right and left tension pneumothorax at the 2nd and 5th intercostal space using a resuscitation bag

### VERSATILITY

- Air can be introduced on either side of the torso to create a tension pneumothorax



## TruTourniquet

TCTTQ1000

TCTTQ1000DS



NEW



The TruTourniquet simulator allows medical professionals to realistically practice controlling massive lower extremity haemorrhages. It helps refine skills in wound packing and tourniquet application for severe bleeding in trauma cases, providing visual feedback for correct pressure.

### SKILLS

- Combat Application
- Tourniquet application
- Techniques for applying various types of tourniquets
- Communication skills

### QUALITIES

#### REALISM

- Accurate representative of a right thigh following a traumatic amputation, featuring a fractured femur, and bleeding point
- Allows trainees to learn how to place a tourniquet and shows a clear visual confirmation when they stop the blood flow

#### KEY FEATURES

- Lower extremity trauma of an adult thigh
- Extensively tested for repeatable training
- Amputated stump can be removed from the base for training scenarios outside of the classroom
- Key for ATLS, Tactical Combat Casualty Care (TCCC), Civilian Casualty Care (CCC) and Stop The Bleed® training

### WHAT'S INCLUDED

- 1 TruTourniquet Model
- 1 TruTourniquet carrier case
- 1 Spare hinge pin with split ring
- 3 spare splash shield attachment screws
- 1 Plastic refill funnel
- Concentrated Blood (Pack of 5 bottles)

## TruWound

TCTWO1000

TCTWO1000DS



NEW



The TruWound simulator offers medical professionals a realistic way to train in wound packing techniques required for the care of severe bleeding in trauma patients gives visual feedback when the correct pressure is applied.

### SKILLS

- Wound packing procedures and techniques using haemostatic pads
- Communication skills

### QUALITIES

#### REALISM

- Upper thigh

#### KEY FEATURES

- Representative of a large bullet wound to the upper thigh, with realistic size, appearance and feel
- Pressurised blood system to simulate heavy bleeding with venous and arterial flows
- Visual feedback following correct packing of the wound
- Perform individual or multi-person training with just one TruWound simulator
- Allows for control blood of flow to either 1, 2 or all 3 wounds simultaneously
- Ideal product to support ATLS, Tactical Combat Casualty Care (TCCC), Civilian Casualty Care (CCC) and Stop the Bleed® training

### WHAT'S INCLUDED

- 1 TruWound Model
- 1 Black Carrier Bag
- 1 Pressure pump (holds up to 2 litres) + tubing
- 1 bottle of Concentrated Blood (replacements available in packs of 5 bottles)
- 3 Blood collection containers
- 1 Plastic refill funnel

## Ultrasound Guided Pericardiocentesis Simulator

KKMW15

 KYOTO KAGAKU


This simulator allows trainees to practise pericardiocentesis: inserting the needle under ultrasound guidance, piercing the pericardial sac and aspirating pericardial fluid.

### SKILLS

- Ultrasound guided pericardiocentesis using subxiphoid or parasternal approach
- Patient positioning
- Visualisation of pericardial fluid under ultrasound
- Palpation and identification of left xiphisternal junction (Larrey's point) for needle insertion
- Insertion of needle in pericardial space
- Aspiration of periodical effusion

### QUALITIES

#### ANATOMY

- Adult upper torso
- Left xiphisternal junction (Larrey's point)

#### REALISM

- Realistic haptic response for pericardial sac needle tip puncture

#### KEY FEATURES

- Confirmation of ventricles, ribs, pericardium, liver and main artery under ultrasound scanning
- Durable and replaceable puncture pad

### WHAT'S INCLUDED

Adult chest model with spacer  
Puncture pad for pericardiocentesis  
Pillow for positioning  
Instruction manual  
Syringe

### CONSUMABLES

**KK11394-010** Puncture Pad for Guided Pericardiocentesis Simulator (x2)

## TruCric

TCTCRIC1

TCTCRIC1DS




The TruCric is ideal for practising emergency needle and surgical cricothyrotomy techniques. The model also facilitates percutaneous tracheostomy procedures.

Anatomically accurate features including; tracheal rings, simulated cricoid, cricothyroid membrane and laryngeal cartilages help provide realistic training in front of neck access techniques.

### SKILLS

- Needle and surgical cricothyrotomy procedure
- Air jet ventilation
- Percutaneous tracheostomy
- Seldinger technique
- FONA airway management (Front of Neck Access)

### QUALITIES

#### ANATOMY

- Representation of an adult male neck
- Includes lung bag for procedure feedback

Anatomically accurate, and palpable, landmarks include:

- Tracheal rings
- Laryngeal cartilages
- Cricoid
- Cricothyroid membrane

#### REALISM

- Realistic practice for FONA airway management
- "Real feel" skin
- Palpable cricoid landmarks. Laryngeal cartilages and tracheal rings provide positive user feedback with easy identification of the sternal notch in the clavicle bone

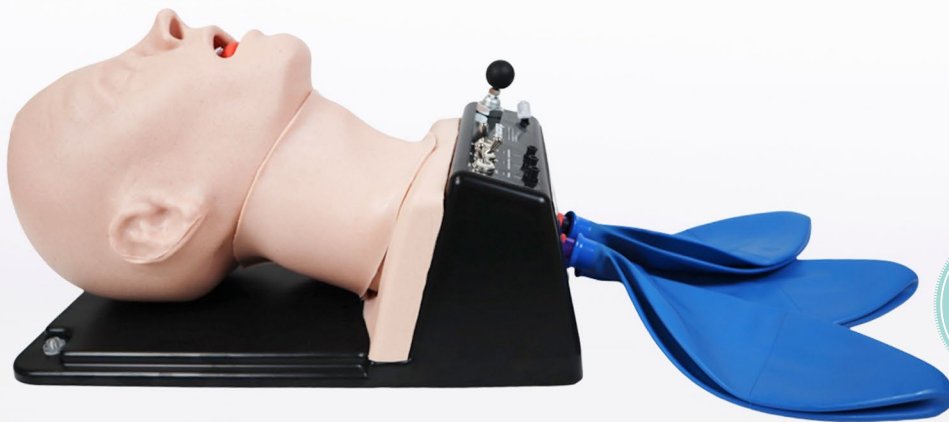
## AirSim Difficult Airway

TCDA91100

TCDA91100DS




NEW



The AirSim Difficult Airway supports trainees' practice in a range of scenarios from straightforward to very difficult to intubate, facilitating training for both beginner & advanced users.

An innovative design allows the tongue, larynx, jaw, head rotation, and vocal chords to be uniquely adjusted to create different conditions.

## QUALITIES

### REALISM

- Easy identification of sternal notch, tracheal rings & cricoid and laryngeal cartilages

### KEY FEATURES

- Interchangeable larynx allows quick and easy repeated use
- Wraparound replaceable neck skin rotates for 10-15 incisions
- All features can be activated quickly and effortlessly by the instructor to create a more challenging or easier experience. The features can be used in isolation or combined to deliver a scenario with numerous variations of difficulty

## SKILLS

- Laryngospasm
  - Adjustable from normal to complete airway obstruction
  - Sudden closure of the vocal cords can be simulated
  - Upon successful user action, laryngospasm can be mechanically reversed to provide positive feedback
- Displaced larynx
  - Ability to displace the Larynx into a more anterior position to make visualization of the vocal cords more challenging
  - Adjustable to provide various levels of difficulty
- Tongue Edema
  - The tongue can be swollen to simulate various degrees of tongue angioedema
- Receding / protruding mandible
  - Various degrees of malocclusion, one mandibular variant and two maxillary variants
  - Overbite and underbite features simulated
- Trismus
  - Ability to grossly restrict mouth opening to make insertion of airway devices more challenging
- Neck lock / head rotation restriction
  - Ability to simulate cervical arthropathy through restricting the range of motion of cervical spine neck lock / head rotation restriction

## AirSim Advance X

TCAA91100X TCAA91100XDS



Designed to provide true, anatomically correct and visually accurate internal features to allow for airway management techniques.

## AirSim Combo X

TCCTC91100X TCCTC91100XDS



Combines the uniquely constructed AirSim® airway with the enhanced addition of tracheal rings, simulated cricoid and laryngeal cartilages.

### QUALITIES

#### REALISM

- Real feel skin covering for added realism
- Realistic features which include: palpable cricoid landmarks, laryngeal cartilages and tracheal rings to provide positive user feedback and easy identification of the sternal notch
- Realistic feedback during airway management procedures
- New skin design enhances realism

#### KEY FEATURES

- Anatomically correct nasal cavity, with important landmarks, such as the turbinates, clearly defined
- An inflatable tongue with real-life size and texture
- Optional subcutaneous fat tissue to demonstrate more difficult tracheostomy and cricothyroidotomy procedures
- A wraparound replaceable neck skin which facilitates up to 20 incisions thus improving efficiency

ADVANCE X COMBO X

- |   |   |
|---|---|
| ✓ | ✓ |
| × | ✓ |
| ✓ | ✓ |
| ✓ | ✓ |

### SKILLS

ADVANCE X COMBO X

- |  |   |   |
|--|---|---|
| • Double naso-tracheal intubation              | ✓ | ✓ |
| • Bag and mask ventilation techniques          | ✓ | ✓ |
| • Full range of supraglottic devices           | ✓ | ✓ |
| • Direct laryngoscopy                          | ✓ | ✓ |
| • Endotracheal tube insertion                  | ✓ | ✓ |
| • Awake fibre optic examination & intubation   | ✓ | ✓ |
| • Combitube insertion                          | ✓ | ✓ |
| • Video laryngoscopy (incl. Sellick Manoeuvre) | ✓ | ✓ |
| • Naso gastric tube insertion techniques       | ✓ | ✓ |
| • Needle and surgical cricothyroidotomy        | × | ✓ |
| • Percutaneous tracheostomy                    | × | ✓ |

### WHAT'S INCLUDED

ADVANCE X COMBO X

- |                               |   |   |
|-------------------------------|---|---|
| AirSim Advance X model        | ✓ | × |
| AirSim Combo X model          | × | ✓ |
| Spare larynx inserts (x4)     | × | ✓ |
| Adult lung bag set            | ✓ | ✓ |
| Bottle of lubrication (100ml) | ✓ | ✓ |
| USB user manual               | ✓ | ✓ |
| Carry case                    | ✓ | ✓ |



## AirSim Bronchi Range

Available with these models:

TCDA91100 TCDA91100DS  
 TCAA91100X TCAA91100XDS  
 TCCTC91100X TCCTC91100XDS

The AirSim Range are also available as models with bronchi anatomy which allows trainees to perform diagnostic bronchoscopies, use bronchial barrier devices to perform lung isolation, among other skills. Available with the AirSim Difficult Airway, AirSim Combo X and AirSim Advance X.

Limbs & Things are proud to be the exclusive distributor of TruCorp across the UK and are excited to help you find the perfect simulation for your needs.



TruCorp patient simulators provide healthcare professionals with realistic training in airway management and many other medical techniques.

TruCorp airway trainers have a long lifespan and easily replaceable parts, making them ideal for airway management training courses and airway device demonstrations.

Airway management trainers in the X range feature the AirSim X airway covered by a 5-year warranty.

Find the full TruCorp range at  
[www.limbsandthings.com/trucorp](http://www.limbsandthings.com/trucorp)

## Arterial Puncture Wrist

KKM99

 KYOTO KAGAKU

KKM99D



This trainer facilitates practice of radial artery puncture for blood collection and artery catheterisation.

### SKILLS

- Palpation of radial artery
- Needle insertion
- Blood collection
- Radial arterial line placement
- IABP connection

### QUALITIES

#### REALISM

- Arterial pulse is palpable
- Soft tissue and artery wall provide realistic needle resistance

#### KEY FEATURES

- Pressure of pulse is variable
- Flashback can be observed

#### VERSATILITY

- Puncture sites not visible after use
- One-touch, leak free connectors

#### CLEANING & CARE

- Easy to clean product
- Skin, pad and artery tube are replaceable

### WHAT'S INCLUDED

Skin sets (Inner & Outer)
Silicon belt
Artery tubes (x4)
Wrist & hand model with circulation pump
Jar of blood powder with beaker & spoon
Plastic jars (x2)
Connection tubes (x2)
Air bulb
Vinyl sheet
Case

## Injection Trainer

00310



Our soft tissue injection pad is designed for practising intradermal, subcutaneous and intramuscular tissue injection techniques.

The Injection Trainer has multiple tissue layers representing the epidermis, dermis, fat and muscle layer, and can easily attach to an arm or thigh to help teach professional-to-patient communication.

### SKILLS

- Subcutaneous injection
- Intradermal and intramuscular injection
- Management of tissue
- Professional-to-patient communication

### QUALITIES

#### ANATOMY

- Epidermis, dermis, fat and muscle

#### REALISM

- Tissues are soft and warm to the touch

#### KEY FEATURES

- Epidermis layer peels back to quickly release subcuticular liquid

#### VERSATILITY

- Strap for hybrid simulation

#### SAFETY

- Latex free

#### CLEANING & CARE

- Durable replaceable epidermis

### WHAT'S INCLUDED

Skin Pad & Muscle Block
Epidermis for Injection Trainer (x2)
Strap-on base plate
Soft tissue tray with liner

## TruNerve Block

TCTNB110

TCTNB110DS




TruNerveBlock is a 3-in-1 learning module designed for trainee anaesthetists to develop, practise and maintain the necessary skills to perform ultrasound-guided regional anaesthesia and vascular access procedures.

The model features a fractured bone structure, embedded vessels, and additional nerve bundles for regional anaesthesia.

### SKILLS

- 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
- Ability to verify needle tip location and to practise the entire regional anaesthesia procedure
- Visualising of the artery and vein laterally beside the nerve
- Fracture assessment detection of a fracture and diagnosing bone stress injury

### QUALITIES

#### ANATOMY

- Contains epidermal layer, two simulated vessels, a nerve bundle, a fractured bone and fascia layers

#### REALISM

- Realistic needle tip identification and artefact
- Realistic blood flashback upon entry into the vessel
- Real feel vascular 'tenting' upon entry into the vessel
- A unique fully integrated fluid management system to replicate blood flow

#### KEY FEATURES

- Positive fluid flow when vessels are accurately accessed
- 1000+ needle incisions with self-healing regenerating material
- Needle tracks disappear with very minimal damage to the material
- Colour doppler detection of blood flow

#### VERSATILITY

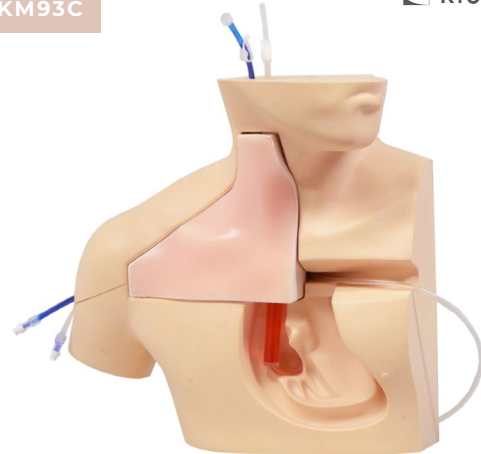
- Longitudinal and transverse anatomical viewing options
- High frequency linear array ultrasound probe can be used on the model

#### CLEANING & CARE

- Cleaning instructions can be found in the product user-guide

## Ultrasound CVC Insertion Simulator Mk 3

KKM93C

A realistic model for teaching cannula approaches and the insertion of central venous catheters into the superior vena cava, with and without ultrasound guidance.

### SKILLS

- Use of ultrasound technology
- Identification of key landmarks, including the clavicle, sternocleidomastoid muscle and the internal carotid artery
- Navigation of needle under ultrasound and recognition of correct vessels
- Subclavian, supraclavicular, axillary and internal jugular approach to catheterisation

### QUALITIES

#### ANATOMY

- Internal jugular vein & carotid artery
- Subclavian vein & artery
- Superior vena cava
- Ribs
- Clavicle
- Sternum
- Lung

#### REALISM

- Lifelike needle tip resistance
- Excellent image quality
- Palpable landmarks and carotid arterial pulsation

#### KEY FEATURES

- 2 CVC placement pads
- 1 transparent anatomical block
- Blue and red fluid confirms successful and unsuccessful needle placement

### WHAT'S INCLUDED

Male upper torso manikin	Air bulb
CVC pads (x2)	Plastic jars (x2)
Transparent anatomical block	Irrigation bottle
Skin for cannulation training	Syringe
Mock blood powder sachets	Sample needle

# TruPICC

TCTPIC100

TCTPIC100DS



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 visualisation 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 visualisation 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 practise
- Easily transportable
- Compatible with all ultrasound machine brands



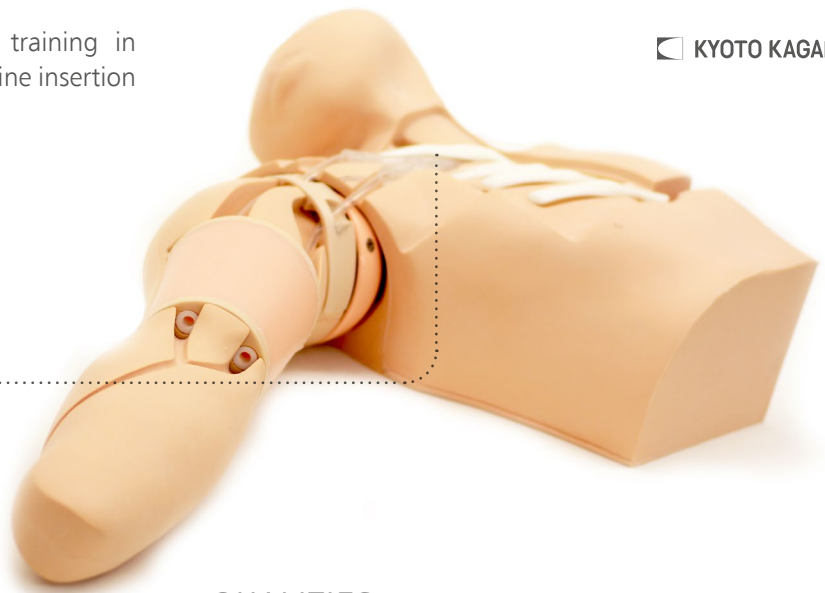
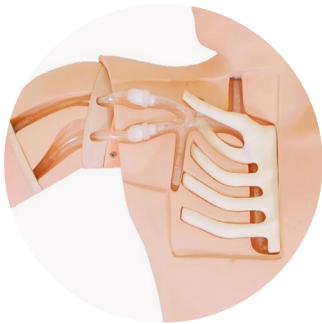
■ PICC line Insertion  
■ IV access



# Ultrasound Guided PICC Training Simulator

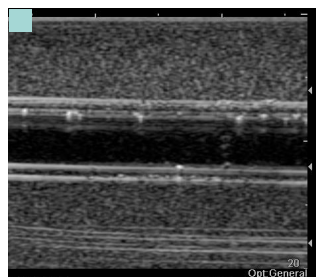
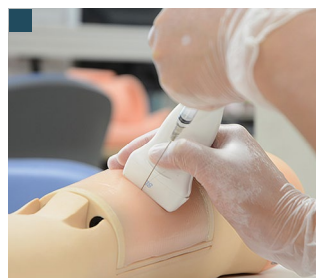
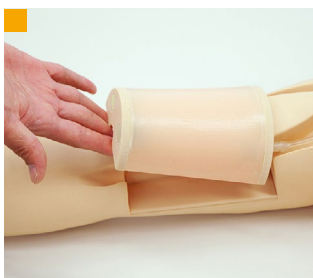
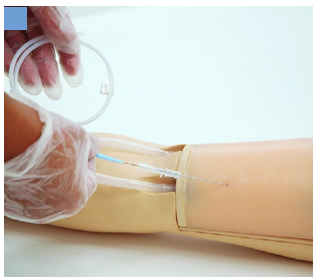
KKMW18






A simulator for comprehensive hands-on training in Peripherally Inserted Central Catheter (PICC) line insertion and removal under ultrasound guidance.

## SKILLS

- Patient positioning
- Puncture site selection
- Ultrasound-guided venous access
- Seldinger technique
- Peel-away cannula technique
- Advancement of the cannula into the SVC



-  Seldinger Technique
-  Peel-away cannula technique
-  Replaceable puncture pads
-  Ultrasound guided venous access
-  Supports transverse and longitudinal views

## QUALITIES

### ANATOMY

- Male upper torso with right arm
- Internal jugular, subclavian, cephalic and basilic veins
- Sternum
- Ribs
- Superior vena cava
- Right clavicle

### REALISM

- Palpable ribs and right clavicle allow measurement of catheter length as well as providing anatomical understanding of correct PICC tip location
- Anatomically correct bifurcation of the vein in the upper chest provides realistic resistance of its outer walls and allows simulation of complications such as incorrect insertion of the catheter into the jugular, thoracodorsal or subclavian vein
- Realistic flashback confirms successful venous access

### KEY FEATURES

- Excellent image quality and visualisation of the needle tip

### VERSATILITY

- Movable shoulder for training in correct positioning of the arm

### CLEANING & CARE

- Replaceable puncture pads

## WHAT'S INCLUDED

- Puncture Pads for Ultrasound Guided PICC Training Simulator (x2)
- Upper torso
- Simulated blood sticks (swab type) (x10)
- Male upper torso with the right arm
- Syringe
- Instruction manual
- Jar
- Storage case

## VENEPUNCTURE ARM RANGE - Standard, Advanced & Basic



The Venepuncture Arm Range provides the ideal training platform for practising the skills related to venepuncture and IV cannulation.

Suitable for undergraduate and postgraduate level training.



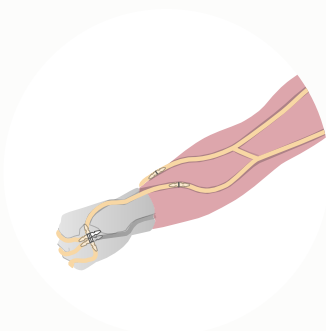
The patent pending\* skin locking mechanism ensures the model is easy to re-skin whilst maintaining the lifelike haptics of the underlying and fully palpable basilic, cephalic and dorsal metacarpal veins.

### Standard Venepuncture Arm

70302

70303

The Standard Venepuncture Arm features modular ACF and metacarpal vein anatomy connected to a gravity-fed fluid system for a realistic blood supply.

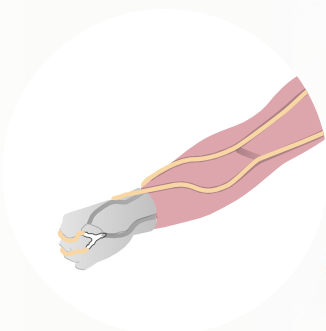


### Basic Venepuncture Arm

70304

70305

Designed with a basic vein structure, this model contains basilic and cephalic veins only.

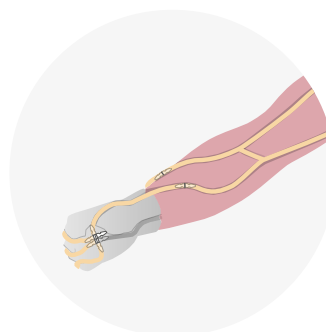


### Advanced Venepuncture Arm

70300

70301

The Advanced Venepuncture Arm features ACF and metacarpal vein anatomy which is connected to a pressurised fluid system for a spill-proof blood supply.



\* PCT/GB2021/052719

## SKILLS

- Venepuncture
- IV Cannulation
- IV Infusion
- Practise of aseptic technique

## QUALITIES

### REALISM

- Realistic blood flashback
- More realistic arm look and feel
- Gripping system provides true-to-life vein placement

### KEY FEATURES

- Realistic and palpable vein haptics promote accurate clinical use
- Easy-to-fit skin locking system (patent pending\*) increases anatomical realism
- New vein gripping feature facilitates correct vein positioning, repeatable training and an easier re-skinning process
- Enables the application of digital pressure to stem blood flow
- Infusion tube allows for IV fluids to be administered
- Can be used in conjunction with a simulated patient

### VERSATILITY

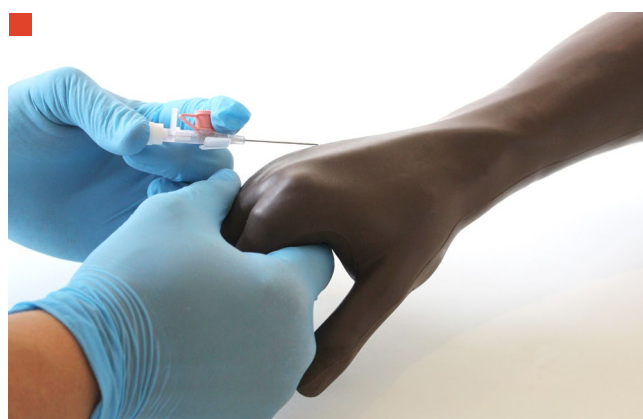
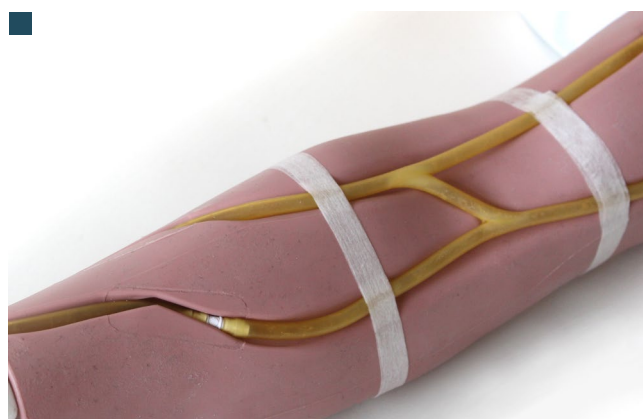
- Compatible with vacuum blood collection systems, needle & syringe, and IV cannulas
- Durable skin
- Extended tubing allows for simulated patient in a classroom setting
- Veins can withstand up to 500 stabs from a 21g needle
- Arm can be upgraded through purchase of modular veins and the Advanced Pressurised Pump

### SAFETY

- Basic, Standard and Advanced veins contain latex
- Latex free Basic vein is available but durability is decreased

### CLEANING & CARE

- Easy to clean, service and maintain



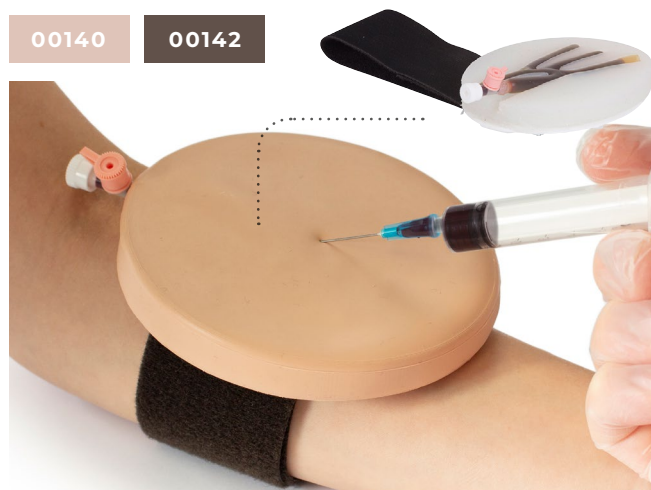
**NEW** Multi-Packs available, please contact your L&T Representative for further details.

■ Visual inspection and palpation  
■ Gripping system provides true-to-life vein placement  
■ Ability to position the hand for life like cannula insertion

## WHAT'S INCLUDED

	BASIC	STANDARD	ADVANCED
Venepuncture Arm	✓	✓	✓
Venepuncture Arm Skin	✓	✓	✓
Basic Venepuncture Arm Vein	✓	x	x
ACF Vein Module	x	✓	✓
Metacarpal Vein Module	x	✓	✓
Gravity fed blood system	✓	✓	x
Pressurised blood pump system	x	x	✓
Concentrated Venous Blood - Starter Pack	✓	✓	✓
Venepuncture Arm Rest	✓	✓	✓
Refill Bottle	x	x	✓
Venepuncture Arm Infusion Tube	✓	✓	✓
Lubricant	✓	✓	✓

## ACF Pad - Venepuncture



This soft tissue strap-on pad can be used to train in venepuncture and represents the antecubital fossa of the right arm.

### SKILLS

- Professional-to-patient communication
- Recognition of the vein pattern through palpation
- Insertion of a needle and cannula
- Management of blood flow

### WHAT'S INCLUDED

Vein for ACF Pad  
 Epidermis for ACF Pad  
 Pad Base with Strap

### QUALITIES

#### KEY FEATURES

- Ideal for professional-to-patient communication and scenario based training using a Simulated Patient
- Strap onto the antecubital fossa of the arm
- Veins are: self-sealing for repeated use, rechargeable via a one-way valve, supplied with mock blood under pressure and replaceable

#### VERSATILITY

- Only use Mock Blood - Venous (250ml) (00223) to refill these veins

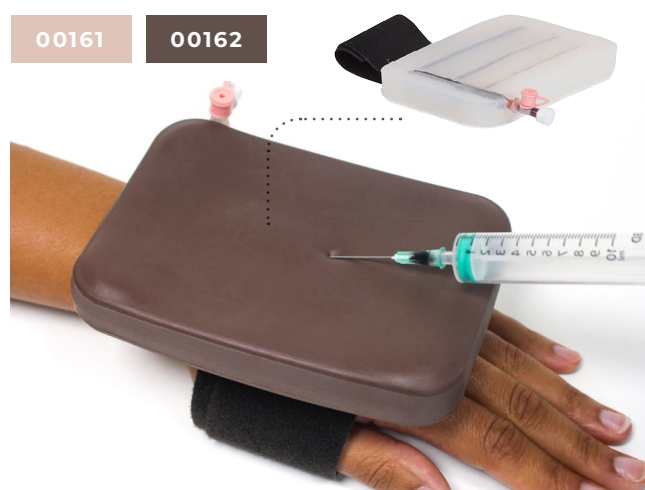
#### SAFETY

- Tough backing plate to prevent needlestick injuries
- Veins contain latex

#### CLEANING & CARE

- Replaceable epidermis
- Washable using soap and water

## Three Vein Pad - Venepuncture



This soft tissue strap-on pad features 3 straight veins, one of which is paediatric size.

### SKILLS

- Professional-to-patient communication
- Insertion of a needle
- Insertion of cannula
- Management of blood flow

### WHAT'S INCLUDED

Vein for Three Vein Pad  
 Epidermis for Three Vein Pad  
 Pad Base with Strap

## Extended ACF Pad - Venepuncture

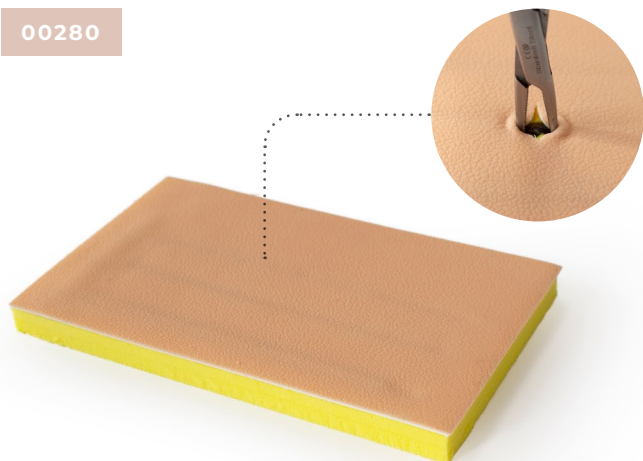
This soft tissue pad is supplied on a base for bench top training in venepuncture and insertion of cannulae. It represents the antecubital fossa of the right arm.

Improved, unidirectional skin texture.



## Cutdown Pad

00280



A multi-layered pad containing filled veins for practising venous cutdown procedure.

### SKILLS

- Palpation to locate vein position
- Incising tissue layers
- Inserting a cannula
- Vein injection both distally and proximally
- Tying off veins

### QUALITIES

#### ANATOMY

- Improved, unidirectional skin texture
- Layers simulate the epidermis and subdermal layers
- 3 straight veins (each 150mm long) filled with mock blood

#### KEY FEATURES

- Only use Mock Blood - Venous (250ml) (**00223**) to refill these veins

#### VERSATILITY

- The veins can be used by multiple trainees if tied off after each use

#### SAFETY

- Veins contain latex

## Tube Feeding Simulator

KKMW8

KYOTO KAGAKU



An effective training for caregivers and medical professionals who work with patients receiving enteral tube nutrition. The manikin offers three routes for EN tubes and allows training with real liquid foods. The placement of the tubes can be confirmed by auscultation as well as direct observation. The model is supplied with a feeding routes panel and a chest anatomy overlay sheet to facilitate anatomical understanding.

### SKILLS

- Nasogastric (NG) and Orogastric (OG) tube insertion
- Percutaneous Endoscopic Gastrostomy (PEG)
- Gastric lavage
- Administration of liquid food

### QUALITIES

#### REALISM

- Transparent chest overlay enables direct observation of procedures
- Can be set at Fowler's position
- Flexible neck allows for appropriate neck/head positioning

#### KEY FEATURES

- Tube placement can be confirmed by fluid aspiration
- Stomach accepts up to 300cc of liquid

#### VERSATILITY

- Compact and portable

### WHAT'S INCLUDED

Male torso & support base	Tube feeding routes panel
Drain tube	Chest sheet
Funnel	Instruction manual
Plastic cup	Lubricant

# Patient Care Simulator “Yaye”

KYOTO KAGAKU

KKMW25



Yaye is an advanced, full body nursing manikin for hands-on training in a wide range of skills required for day-to-day patient care. Suitable for teaching fundamental nursing skills to registered nursing students.

- Assessment of chest and abdomen
- Variable age, sex and personality
- IV route training
- Airway management and CPR

## SKILLS


- Body positioning/patient handling/passive exercise
- Bed bathing and change of clothes
- Airway management
- CPR
- Assessment of chest and abdomen
- Oral and denture care
- Nasogastric tube placement
- Oxygen/nasal cannula placement
- Tracheotomy care and management
- Stomach pumping
- TPN care
- PEG care
- Stoma care
- Pressure ulcer care
- Subcutaneous injection
- Intramuscular injection
- IV insertion and care
- Male and female urinary catheterisation
- Enema
- Suppository insertion
- Perineal care
- Wound dehiscence care
- Wrapping of dressings

## WHAT'S INCLUDED

- |   |                                      |
|---|--------------------------------------|
| Yaye Patient Care manikin                                     | Set of simulated feces               |
| Dentures  | Lubricant (for airway suction etc.)  |
| Wig (black)   | Lubricant (for catheterisation etc.) |
| Face mask (young)   | Irrigation bag                       |
| Injection pad (median vein)                                   | Drainage pump (urinary bladder)      |
| Shoulder injection pads (x2)                                  | Drainage pump (rectum)               |
| Thigh injection pads (x2)                                     | Drainage hose                        |
| Hip IM pads (x2)  | Set of pyjamas                       |
| Female genitalia (catheterisation)                            | Instruction manual                   |
| Female genitalia (suppository insertion/digital disimpaction) |                                      |

## QUALITIES

- ANATOMY**
  - Interchangeable wigs, genitalia and masks to simulate a variety of patients
- REALISM**
  - Simulating all the daily activities of patient care
  - Enhanced Range of Motion (ROM) for better patient assessment and positioning
- KEY FEATURES**
  - Soft and elastic abdomen allows for assessment of chest and abdomen
  - Airway management and CPR
- VERSATILITY**
  - Easily interchangeable male and female genitalia
  - Suitable for postmortem care
  - Provides training from trainee level up to experienced staff
- CLEANING & CARE**
  - Skin surface is washable using soap and water

  
 Check [limbsandthings.com](https://limbsandthings.com)  
 for more information about Optional Consumables

# Patient Care Simulator “Cherry”

KKMW22

KYOTO KAGAKU

Cherry is a basic, full body nursing manikin for hands-on training in a wide range of skills for nursing assistants and vocational nurses.



- Oxygen nasal cannula
- Subcutaneous injection
- Wound care pad
- Male and female genitalia

## SKILLS

- Oral and denture care
- Nasogastric tube placement
- Oxygen/nasal cannula placement
- Tracheotomy care and management
- Stomach pumping
- TPN care
- PEG care
- Stoma care
- Pressure ulcer care
- Subcutaneous injection
- Intramuscular injection
- IV insertion and care
- Male and female urinary catheterisation
- Enema
- Suppository insertion
- Perineal care
- Wound dehiscence care
- Wrapping of dressings
- Subcutaneous injection

## WHAT'S INCLUDED

- Female Genitalia
- Male Genitalia
- Wound Care Pad
- Cherry Patient Care manikin
- Femoral IM injection pad
- Upper arm IM injection pad
- Bottle
- Syringe

## QUALITIES

### ANATOMY

- Male and female genitalia

### REALISM

- Seamless arms and legs enable realistic bed and foot bathing
- Joint articulation for patient handling and passive exercise

### KEY FEATURES


- TPN and IV routes to simulate patients with catheter lines
- Pressure sores of different depths located at the scapula, greater trochanter, sacral bone and heel
- Subcutaneous and intramuscular injection pads accept liquid and can be squeezed out after use

### VERSATILITY

- Easily interchangeable male and female genitalia
- Suitable for wide range of basic care
- Removable dentures

### CLEANING & CARE

- Skin surface is washable using soap and water



Visit [limbsandthings.com](http://limbsandthings.com)  
for more information about Optional Consumables

## Paracentesis Trainer

60100

60111



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 practised.

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

## QUALITIES

## ANATOMY

- Torso featuring bony landmarks (pubis symphysis, iliac crest) and umbilicus
- Internal anatomy includes:
  - Liver
  - Spleen
  - Bowel
  - Floating Bowel

## REALISM

- Realistic tissue and needle response

## KEY FEATURES

- Palpation or ultrasound techniques can be practised (side by side)
- Internal echogenic anatomy to allow recognition of landmarks under ultrasound
- Two 3.5 litre chambers can be filled with water for practise drainage
- Cost effective consumable pads

## VERSATILITY

- Self-sealing pads, withstanding up to 200 needle or up to 100 rocket catheter insertions
- Ability to insert and remove a drain
- Positions both supine and lying on side

## SAFETY

- Latex free

## CLEANING &amp; CARE

- Skin surface is washable using soap and water

## SKILLS

- Familiarity with the abdominal regions and underlying anatomy
- Palpation of anatomical landmarks
- Identification of ascites (change excess fluid)
- Identification of safe ultrasound guided needle & catheter insertion
- Insertion of needle into peritoneal cavity for therapeutic or diagnostic purposes
- Professional-to-patient communication

## WHAT'S INCLUDED

Paracentesis Skin
Paracentesis Pads (x2)
Paracentesis Liver
Paracentesis Spleen
Paracentesis Bowel Insert
Paracentesis Floating Bowel
Paracentesis Clamping Frame
Paracentesis Large Volume Refill System
Base unit
Carry case



## BSS Day 1 Kit

50070



Basic surgical skills kit facilitating the practice of a range of knot-tying, suturing and tissue handling techniques.

## SKILLS

- Knot-tying: one-handed reef knot, instrument tie, surgeon's knot, tying at depth
- Suturing techniques: holding/manipulation of needles, interrupted, simple and mattress, continuous, subcuticular
- Skin lesions and LA techniques: excising a skin lesion, excising a sebaceous cyst
- Haemostasis: clip tie, continuity tie, pedicle transfixion
- Tissue handling - bowel: end-to-end interrupted sutures
- Fine tissue handling: tendon repair

## WHAT'S INCLUDED

Double Layer Bowel 30mm  
 BSS Lesion & Cyst  
 BSS Surgical Skills Board  
 BSS Tendon Repair Trainer  
 BSS Knot Tying Trainer  
 Skin Pad Jig with Skin Pad  
 BSS soft tissue retaining set  
 Haemostasis pad

## BSS Day 1 Refill Pack

50072



## WHAT'S INCLUDED

Skin pad  
 Bowel  
 Haemostasis pad  
 BSS lesion & cyst  
 Tendon

## BSS Day 2 Kit

50071



Basic surgical skills kit facilitating hands-on practice of abdominal closure and drain insertion, fine tissue handling and wound management. Contains latex.

## SKILLS

- Abdominal closure and drain insertion: open abdominal wall, insert drain and secure, close abdominal wall with Aberdeen knot
- Fine tissue handling: vein patch exercise
- Wound management: abscess drainage, traumatic wound debridement

## WHAT'S INCLUDED

BSS Abscess  
 BSS Traumatic Wound with Simulated Foreign Bodies  
 BSS AOCT Pad  
 BSS AOCT Frame  
 Drain  
 8mm x 140mm artery  
 8mm x 76mm graft patch

## BSS Day 2 Refill Pack

50073



## WHAT'S INCLUDED

AOCT pad with drain  
 BSS abscess  
 BSS traumatic wound  
 Artery with graft patch

# SUTURE TUTOR PLUS™

All you need to learn basic instrument handling, knot tying, suturing and more.

SUTURE TUTOR PLUS™ is a complete training package to help medical students and healthcare professionals master fundamental hands-on skills relating to instrument handling, knot tying and suturing. The product consists of two parts which can be purchased individually, or together as a complete package.

## Online, Video-based Course

**STP-PRO-SUB**



An online, video-based course that can be accessed anytime, anywhere. Developed in collaboration with Professors of Surgical Education Jonathan Beard and Roger Kneebone, the 11 module course closely follows the Intercollegiate Surgical Curriculum Programme.

- Unlimited access
- Explanatory videos use computer graphics for clarity
- Demonstration videos use clinical footage
- Practical videos use Limbs & Things products from the Hands-on Kit
- Purchase subscription with or without kit

## SKILLS

- Handling of instruments
- Needles and sutures
- Knot tying
- Incision of skin and subcutaneous tissue
- Suturing techniques
- Suture aftercare
- Patient management and consent
- Scrubbing, gowning and gloving
- Cleaning a wound
- Local anaesthesia
- Other methods of wound closure

## Hands-on Kit

**STP-KIT** **STP-KIT-DST**



A Hands-on Kit including a professional skin pad, 10 sutures, basic knot tying kit and all necessary instruments to allow repeated practice of suturing techniques.

Can be purchased on its own or with the online course.



## WHAT'S INCLUDED

- Single Professional Skin Pad Mk 3 - Large
- Skin Pad Jig Mk 3
- Basic Knot-tying Kit
- Pack of 10 Sutures (non-sterile)
- Scalpel
- Dissecting forceps
- Scissors
- Needle holder

## CHOOSE YOUR PRODUCT

**STP-PRO-COM**      **STP-PRO-SUB**      **STP-KIT**

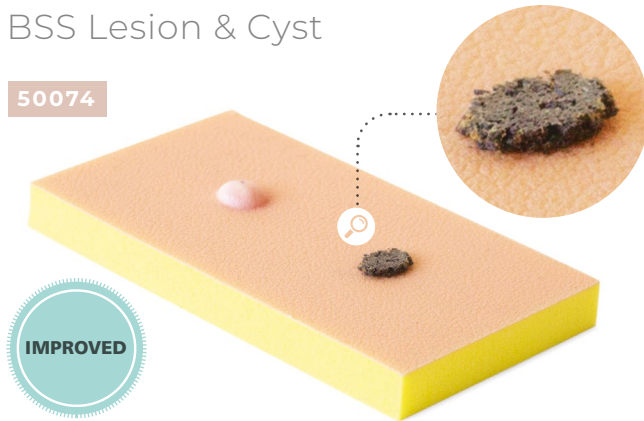
- 11 Online Module	✓	✓	×
- Suture Tutor Plus Hands-on Kit	✓	×	✓



One year Institutional Multi-User and Trainer Licences are also available - please contact Customer Service for details.

## BSS Lesion & Cyst

50074



IMPROVED

For the practice of skin lesion removal, local anaesthesia and biopsy techniques. Cyst has a fragile epidermoid wall filled with simulated pus. This product is also available as part of the BSS Day 1 Kit (**50070**).

### SKILLS

- Excising a skin lesion
- Excising a sebaceous cyst

## BSS Abscess

50075



IMPROVED

For the practice of abscess drainage and necrotic wound debridement (abscess containing simulated pus). This product is also available as part of the BSS Day 2 Kit (**50071**). Contains latex.

### SKILLS

- Abscess drainage
- Necrotic wound debridement

## BSS Traumatic Wound

50047



This product was developed in conjunction with the Royal College of Surgeons. It is also available as part of the BSS Day 2 Kit (**50071**).

### SKILLS

- Wound management
- Foreign body removal
- Traumatic wound debridement

### QUALITIES

#### ANATOMY

- Wound contains:
  - Broken bone with splinters, tendon and fluid filled vein
  - Necrotic tissue and simulated foreign bodies (glass & dirt)

#### REALISM

- Realistic soft tissue with skin, fat and muscle layers

#### KEY FEATURES

- Supplied in handy, compact clam pack with lid which can be used to retain excised tissue and removed foreign bodies

#### SAFETY

- Veins contain latex

## Professional Abdominal Opening & Closure Trainer (AOCT)

60430



An advanced abdominal wall pad consisting of epidermis, dermis, fat and linea alba. This pad has a separate peritoneal layer and is mounted on a base for teaching abdominal surgical access and closure techniques.

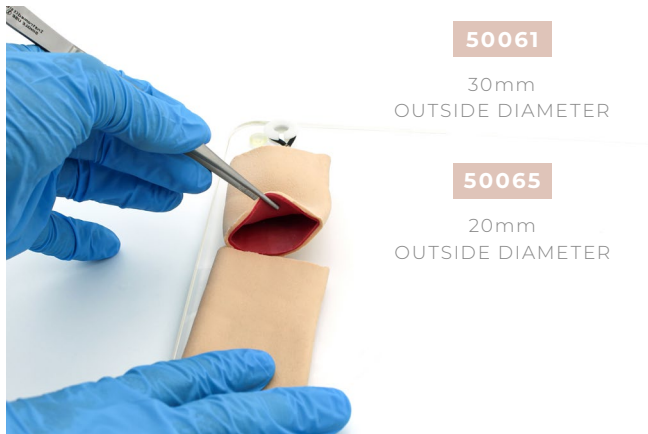
### SKILLS

- Insertion of a Veress needle
- Insertion of a trocar
- Hassen technique
- DPL techniques
- Incisions: linear, ellipse, flaps, shaped
- Subcuticular undermining
- Simple and advanced interrupted suturing techniques
- Subcuticular suturing
- Continuous suturing
- Stapling
- Use of adhesive strips

### CONSUMABLES

**50060** BSS Professional AOCT Pad

## Double Layer Bowel



50061

30mm  
OUTSIDE DIAMETER

50065

20mm  
OUTSIDE DIAMETER

Realistic 2 layer bowel simulation for training in anastomosis techniques. Both models are approximately 200mm in length.

### SKILLS

- Tissue handling
- Single layer extra mucosal suturing
- Continuous suturing technique
- Stapling
- End-to-end extra mucosal anastomosis
- End-to-side anastomosis

## Knot Tying Trainer



50050

A comprehensive trainer for teaching all surgical knot tying techniques, including those specified in the GB and Ireland Intercollegiate Basic Surgical Skills Course.



Developed in collaboration with Professor Jonathan Beard, Northern General Hospital, Sheffield (UK) and Mr. John Rochester, Rotherham General Hospital (UK).

### SKILLS

- One-handed reef knot technique
- Instrument tie
- Surgeon's knot
- Slip knot
- Tying in a small opening
- Tying at depth vertically in a large opening
- Tying at depth, at an angle, in a large opening

## BSS Surgical Skills Board



50051

### QUALITIES

#### KEY FEATURES

- Non-slip heavyweight base
- Smooth top surface allows for secure fixing of soft tissue products using supplied Soft Tissue Retaining Set

#### SAFETY

- Latex free

#### CLEANING & CARE

- Wipe-clean surface

### WHAT'S INCLUDED

BSS Soft Tissue Retaining Set

- Retaining clips with sucker feet (x2)
- Retaining clips with attachment loops (x4)

Skin pad jig

Base

For use with all Limbs & Things skin pads and the BSS bowel, haemostasis pad, lesion & cyst and tendon.

## Skin Pad Jig Mk 3

**00550**



This jig supports the entire range of Limbs & Things synthetic soft tissue pads. Can be strapped onto the limbs or body of a Simulated Patient when used with the optional strap (**00510**).

### Skin Pad Jig Strap (x3)

**00510**

This low cost addition for the Skin Pad Jig Mk 3 (**00550**) allows the jig to be strapped onto the limbs of a Simulated Patient.



### QUALITIES

#### REALISM

- Presents pads on a curved lifelike profile allowing incisions to gape, akin to real life
- Flexible plastic allows for realistic 'give' of skin pad when pressure is applied

#### KEY FEATURES

- Sucker feet work effectively on smooth work surfaces
- Stable and non-slip

#### VERSATILITY

- Optional jig strap allows use with Simulated Patient
- Use with:
  - Professional Skin Pad Mk 3
  - Wound Closure Pad
  - Lipoma Pad
  - Sebaceous Cyst Pad, Curettage, Snip & Shave Excision Pad
  - Minor Skin Procedures Pads

## Wound Closure Pad

**00042**

**00044**

**00041**

**00043**

SMALL (x12) SMALL (x12)

LARGE (x6) LARGE (x6)



A low cost, 1 layer pad, ideal for demonstrating, training and practising core skills associated with wound closure.

### SKILLS

- Making an incision
- Application of skin adhesives
- Interrupted suturing and knotting
- Stapling



### QUALITIES

#### REALISM

- Works with all major topical skin adhesives

#### KEY FEATURES

- An excellent starter pad for wound closure training
- Pad dimensions: large 145mm x 125mm, small 125mm x 72mm

#### VERSATILITY

- Use with the Skin Pad Jig Mk 3 (**00550**)

#### SAFETY

- Latex free

## Professional Skin Pad Mk 3

00091

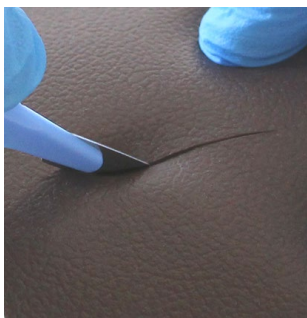
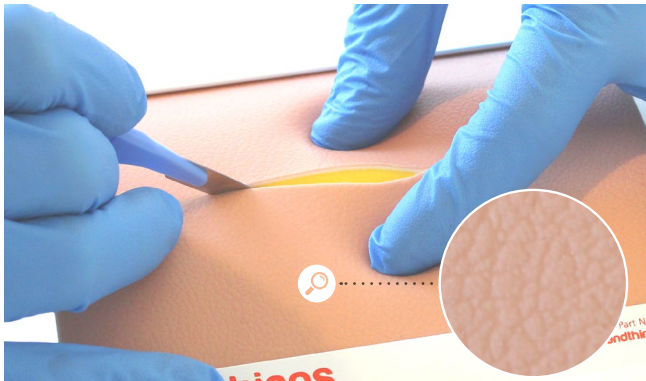
00093

00092

00094

SMALL (x4) SMALL (x4)

LARGE (x2) LARGE (x2)



An advanced 3 layer skin pad for demonstrating and practising a variety of incisions and a wide range of suturing techniques.

### SKILLS

- Incisions: linear, ellipse, flaps, shaped
- Subcuticular undermining
- Simple and advanced interrupted suturing techniques
- Subcuticular suturing
- Continuous suturing
- Stapling
- Use of adhesive strips

### QUALITIES

#### REALISM

- Improved, unidirectional skin texture
- Realistic tissue response with a similar drag and strength to human skin
- All layers have realistic retention of sutures

#### KEY FEATURES

- Pad dimensions: large 145mm x 125mm, small 125mm x 72mm

#### VERSATILITY

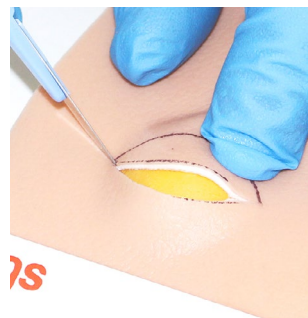
- Serves the needs of both specialist and beginner
- Use with the Skin Pad Jig Mk 3 (00550)

#### SAFETY

- Latex free

## Lipoma Pad

00081



For practising the full lipoma removal procedure. 3 layer skin: epidermis, dermis and subdermal layer. Pad contains 2 lipomas.

### SKILLS

- Designing the incision
- Marking out the lipoma
- Incising the skin
- Blunt dissection
- Removal
- Closure

### QUALITIES

#### REALISM

- Improved, unidirectional skin texture
- Lipoma is consistent with that found in a patient
- Lipoma sited within the fat layer
- Precise replication of in-vivo adhesion
- All layers of tissue can be identified

#### KEY FEATURES

- Pad dimensions: 125mm x 72mm

#### VERSATILITY

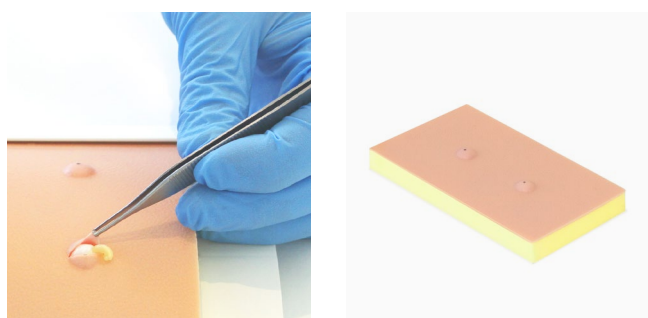
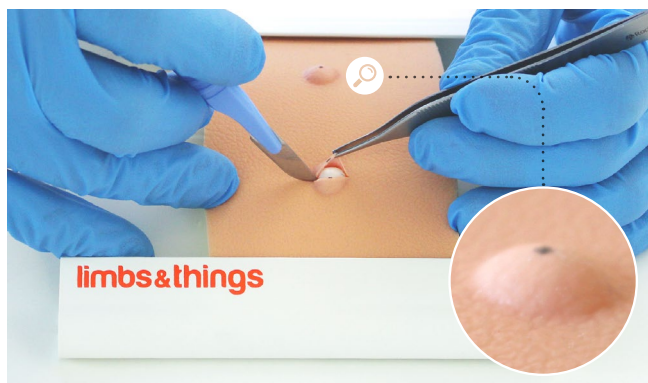
- Use with the Skin Pad Jig Mk 3 (00550)

#### SAFETY

- Latex free

## Sebaceous Cyst Pad

00071



For practising the full sebaceous cyst removal procedure. A 2 layer skin pad with epidermis and subdermal layer. Contains 2 cysts.

### SKILLS

- Marking out the cyst
- Planning and marking the ellipse
- Incising the skin
- Sharp dissection
- Blunt dissection
- Management of a burst cyst
- Removal
- Closure

### QUALITIES

#### ANATOMY

- Improved, unidirectional skin texture
- 2 layer skin: epidermis and subdermal layer
- Contains 2 Cysts

#### REALISM

- Cyst is consistent with that found in a patient
- Cyst exhibits appropriate adhesion to other surrounding tissue
- Cyst sited immediately below skin layer and is attached firmly to its underside
- Fragile epidermoid wall filled with simulated pus

#### KEY FEATURES

- Pad dimensions: 125mm x 72mm

#### VERSATILITY

- Use with the Skin Pad Jig Mk 3 (00550)

#### SAFETY

- Latex free

## Curettage, Snip & Shave Excision Pad

00104 SMALL (x4)



Combines a number of skin lesions (tags, naevi, seborrhoeic keratoses) for teaching superficial dermatological lesion removal techniques.

### SKILLS

- Snip excision
- Shave excision
- Curettage

### QUALITIES

#### REALISM

- Stretches to allow realistic extension of the tissue surrounding the skin tags during snip excision
- Stretches to allow realistic extension of naevi during shave excision
- Allows seborrhoeic keratoses to be removed using curettage technique

#### KEY FEATURES

- Cost effective: large pad with 4 skin tags, 4 naevi and 4 seborrhoeic keratoses. The small pad has 2 of each
- Pad dimensions: large 145mm x 125mm, small 125mm x 72mm

#### VERSATILITY

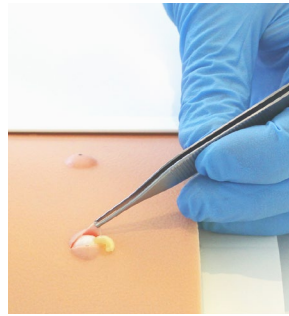
- Use with the Skin Pad Jig Mk 3 (00550)

#### SAFETY

- Latex free

## Minor Skin Procedures Pads

90065



Set of 4 pads covering all aspects of suturing and minor skin procedures, for use with the Skin Pad Jig Mk 3 (00550).

Pad dimensions: L 125mm x W 72mm  
Product is latex free.

### WHAT'S INCLUDED

- Professional Skin Pad (small)
- Lipoma Pad
- Sebaceous Cyst Pad
- Curettage, Snip & Shave Excision Pad (small)

## Two Person Minor Surgery Pack

90900

### WHAT'S INCLUDED

- Professional Skin Pads (small) (x2)
- Lipoma Pads (x2)
- Sebaceous Cyst Pads (x2)
- Curettage, Snip & Shave Excision Pad (small) (x2)
- Toe End

Developed in conjunction with the Royal College of General Practitioners, and containing a selection of the core pad offerings, this pack provides the ideal platform for learning minor surgery skills in pairs.

## Ingrowing Toenail Trainer

80060 80061



This unique product closely mimics an inflamed toe end with an ingrowing toenail.  
Improved realism. Now latex free.

### SKILLS

- Ring block techniques
- Application of a tourniquet
- Total nail avulsion
- Phenolisation techniques
- Ablation of the nail bed
- Wedge excision - partial nail avulsion

### WHAT'S INCLUDED

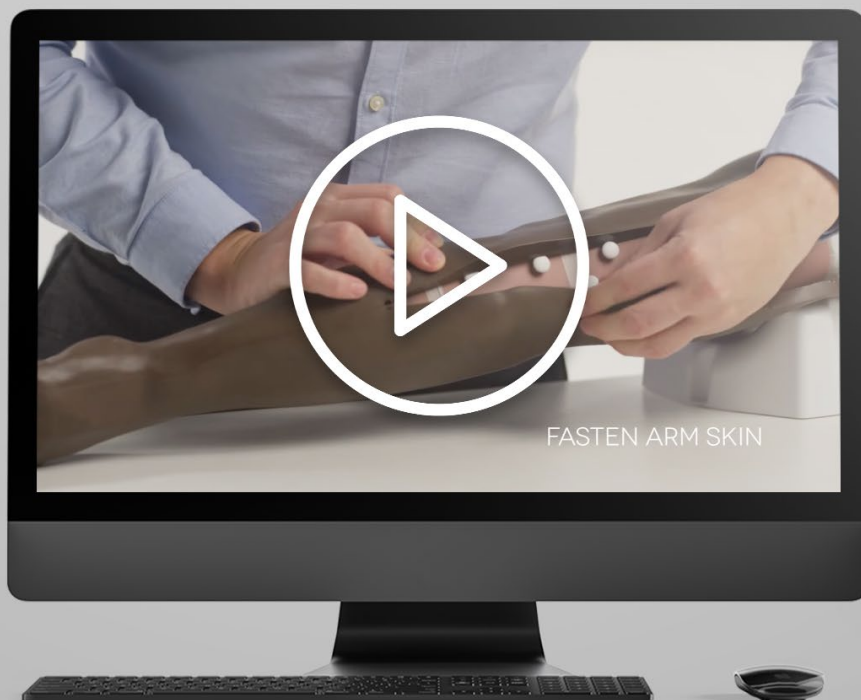
- Toe Jig
- Toe Ends (x3)



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# Want to see our trainers in action?

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Click on the Play icons on the product pages to watch a product video or head to the webpage.

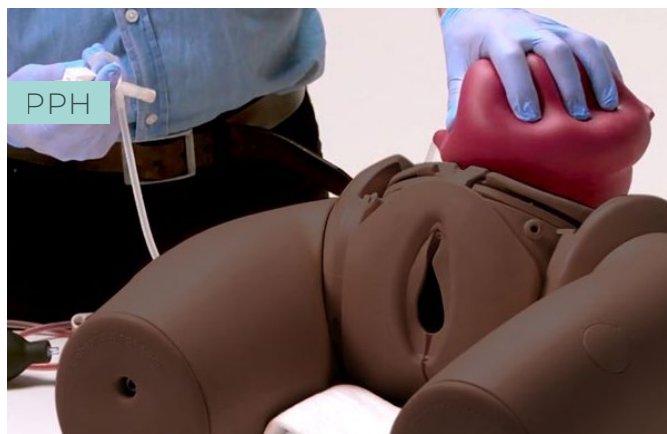
## BIRTHING SIMULATOR - PROMPT FLEX RANGE

The **Birthing Simulator - PROMPT Flex Range** and its modules are anatomically correct and have been designed in collaboration with clinicians to aid the training and practise of normal and difficult births (including shoulder dystocia) to improve outcomes for mothers and babies during childbirth.



### Additional modules

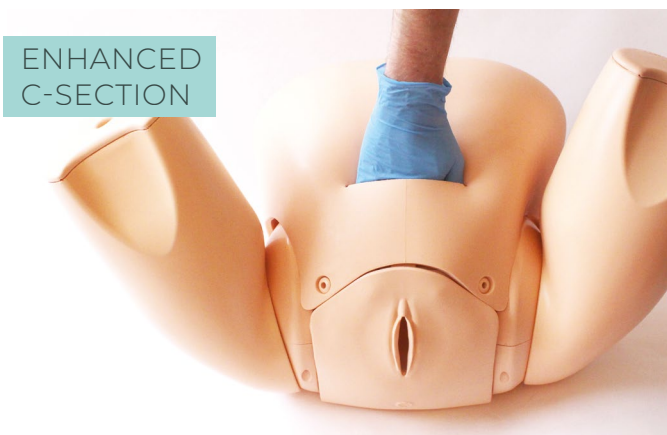
Fit either the Standard or the Advanced units allowing you to tailor your training needs.



### CERVICAL DILATATION & EFFACEMENT



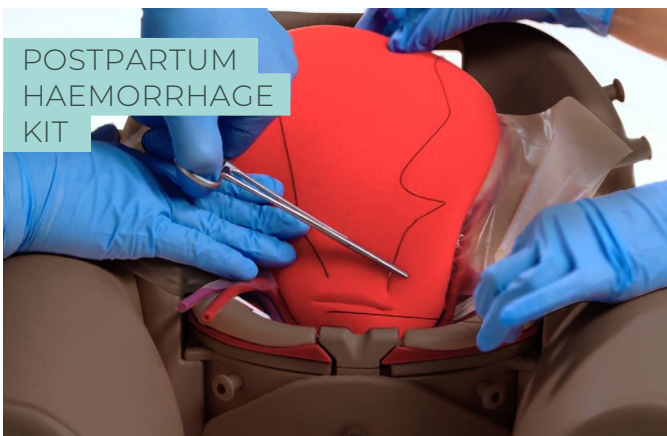
### ENHANCED C-SECTION



### ASSISTED VAGINAL BIRTH



### POSTPARTUM HAEMORRHAGE KIT



### CERVICAL CERCLAGE



### Clean Bleed™ Mat

This easy to setup and mess free product has the ability to create the impression of haemorrhages such as postpartum through a controlled flow into a sealed mat.



See page 6 for more details.

## Birthing Simulator - PROMPT Flex - Standard

80100

80200

A modular design birthing simulator allowing for numerous training scenarios.

Used either for stand-alone training or integrated into hybrid simulation, it is an ideal training solution for all skills relating to routine and difficult deliveries.



## Birthing Simulator - PROMPT Flex - Advanced

80106

80206

Incorporates wireless force monitoring where force applied to the baby's head is measured during a shoulder dystocia drill. Includes an app with inbuilt scenarios allowing monitoring and recording of force, interventions made and time taken to deliver the baby.



Tablet not included  
Download app at [limbsandthings.com](http://limbsandthings.com)

### QUALITIES

#### ANATOMY

- Birth canal and cervix
- Ischial spines and pubic bone
- Gynaecoid pelvis
- Articulating thighs
- IM injecting
- Fully articulated baby with detachable umbilical cord and placenta
- Baby includes clavicles, fontanelles and flexible head

#### KEY FEATURES

- Improved and more realistic pelvic floor
- Articulating thighs for McRoberts procedure
- Stretchable perineum
- Soft flexible birthing canal
- Additional modules to extend learning
- Optional lower legs for extended realism
- Optional wireless force monitoring for training in shoulder dystocia management

#### SAFETY

- Latex free

#### CLEANING & CARE

- Skin is washable using soap and water

### SKILLS

STANDARD    ADVANCED

• Communication & team work skills (SP)	✓	✓
• Normal	✓	✓
• Breech	✓	✓
• Shoulder dystocia management	✓	✓
• Instrumental (forceps & vacuum devices)	✓	✓
• Delivery of placenta	✓	✓
• Cord prolapse	✓	✓
• Urinary catheter placement	✓	✓
• IM injection pads	✓	✓
• Force feedback of baby's head	×	✓
• App with scenarios & force monitoring	×	✓

### WHAT'S INCLUDED

STANDARD    ADVANCED

Birthing Mother (+Upper Legs)	✓	✓
Standard Baby	✓	×
Wireless Force Monitoring Baby	×	✓
Placenta	✓	✓
Abdomen for PROMPT Flex	✓	✓
Perineum and Birth Canal	✓	✓
Bed Straps	✓	✓
Lubricant	✓	✓
Wheeled Carry Case	✓	✓

## Cervical Dilatation &amp; Effacement Module (CD&amp;E) - PROMPT Flex



80102

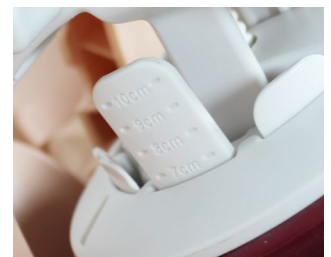
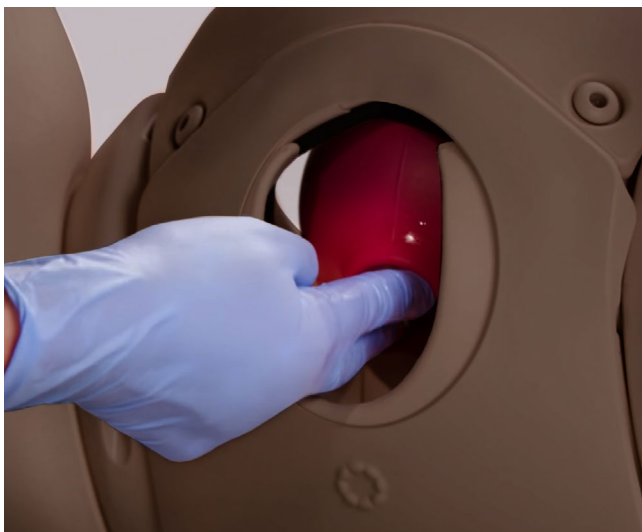
80202

Allows for training in assessment of both the latent and active first stages of labour.

This versatile module is an optional add-on to the PROMPT Flex Standard or Advanced.



Ideal for midwifery training.



Fetal station adjustment (-3 to +3)

Cervical Dilation (1-10cm)

## QUALITIES

### REALISM

- Realistic representation of cervixes, including anterior lip, and presenting parts in soft birth canal, with palpable ischial spines

### KEY FEATURES

- Inserts to represent early labour cervixes - effacement, dilation and ripeness in line with Bishop's scoring
- Positioning mechanism allows adjustment of station, dilation and tilt without removal from the simulator
- Dynamic positioning mechanism allows adjustment of dilation in active labour
- Markers allow tutor to read positioning in situ
- Numerous presenting part inserts including
  - flexed
  - deflexed
  - brow
  - face
  - breech
  - caput and moulding

### VERSATILITY

- Presenting parts and cervix can be set up outside the model for demonstration, then placed inside for examination

### SAFETY

- Latex free

## SKILLS

- Assessment and Bishop's scoring of:
  - Cervical dilation (1-10cm)
  - Cervical effacement (0-100%)
  - Cervical ripeness/consistency (soft, medium, hard)
  - Cervical position (anterior, mid, posterior)
  - Fetal station (-3 to +3)
- Assessment of and artificial rupture of membranes
- Assessment of presenting part - flexed, deflexed, brow, face, breech, caput and moulding and caput formation

## WHAT'S INCLUDED

Perineum  
 Pelvic Ring  
 Static Rig  
 Dynamic Rig  
 Set of 7 Latent Labour Cervixes  
 Dynamic Cervix  
 Set of 5 Presenting Parts  
 Set of 2 Difficult Labour Heads  
 Amniotic Membrane Set  
 Set of 3 Caputs (x2)

## Assisted Vaginal Birth Module (AVB) - PROMPT Flex

80310

80410



This module has been developed to work with PROMPT Flex for the practice instrumental delivery procedures using both ventouse and forceps deliveries.

An innovative design allows the ventouse to realistically adhere to the baby's skin, while inserts within the uterus allow for forceps to be inserted and remain in place while the second blade is positioned and gives a realistic level of resistance whilst delivering the baby.



NEW



## QUALITIES

## REALISM

- Forceps are retained in place once inserted
- Realistic suction when attaching a ventouse
- Realistic resistance when delivering the baby

## KEY FEATURES

- Tested with a wide range of instruments used during an assisted birth
- The perineum and inserts are designed specifically to give a realistic resistance during delivery
- Additional Baby Mask allows for successful suction when using a vacuum device
- Uterus holds the Baby module in the correct positioning, allowing for "hand's free" training can be used for both cephalic and breech deliveries

## VERSATILITY

- This module is compatible with the PROMPT Flex Birthing Simulators, PROMPT Flex Baby models and Birthing Mother base units
- Allows for training in operative vaginal births, including: forceps delivery, ventouse delivery (Kiwi™ cup), breech delivery with Pipers forceps

## SAFETY

- This product is latex free

## SKILLS

- Direct cephalic delivery with the use of both forceps and ventouse
- Forceps – Classical style (Simpson, Elliot, Tucker Mc-Lane etc.)
- Ventouse (Kiwi™ Cup)
- Breech delivery (Pipers forceps)
- Rotational delivery (Kiellands, Kiwi™ cup)
- Other devices (OdonAssist™)
- Teamwork and human factors training in Assisted Vaginal Birth

## WHAT'S INCLUDED

Uterus for AVB  
 Perineum for AVB  
 Baby Mask for AVB  
 Foam Inserts for AVB  
 Foam Uterus Support

## Enhanced Caesarean Section Module (ECSM) - PROMPT Flex

80300

80400



Ideal for practising the necessary skills required when performing both routine and complex caesarean section. Trainees can have exposure to delivering a difficult baby such as an impacted fetal head (IFH), or a transverse lie.

A pre-incised abdomen allows for repeated delivery practice to help improve confidence and familiarity of manoeuvres.

The module can be used to practise any of the following methods of delivering a deeply impacted fetal head:

- Manual cephalic extraction manoeuvres
- Vaginal push up
- Reverse breech extraction (pull technique)
- Patwardhan's technique
- Use of a fetal pillow

## QUALITIES

### REALISM

- Abdominal skin has realistic appearance, fat layer and feel of at-term abdomen
- Realistic feel of uterus interior during delivery
- Head and shoulders present at realistic level in relation to the uterine incision

### KEY FEATURES

- Uterus holds baby firmly in position for cephalic, breech and transverse presentations
- Fundal pressure can be applied to aid delivery of the baby for IFH manoeuvres
- Pre-incised skin allows easy repeat delivery practice
- Realistically mimics the restrictive space of the pelvic inlet for IFH manoeuvres
- Accommodates retraction using metal, plastic or rubber retractors

### VERSATILITY

- Allows for training in routine and complex caesarean section at full dilation

### SAFETY

- Latex free

## SKILLS

- Cephalic and breech delivery
- C-section at full dilation:
  - Head disimpaction using vaginal push methods
  - Use of balloon disimpacting device
  - Reverse breech extraction
  - Patwardhan's techniques
- Transverse lie
- Instrument assisted C-section delivery
- Delivery of the placenta for routine C-sections
- Teamwork and human factors training in emergency C-section

## WHAT'S INCLUDED

Perineum  
 Uterus for Caesarean Section Module  
 Impacted Fetal Head Uterus  
 Pre-incised Delivery Skin  
 Cervix for Caesarean Section Module  
 Foam Uterus Support  
 Pelvic Floor

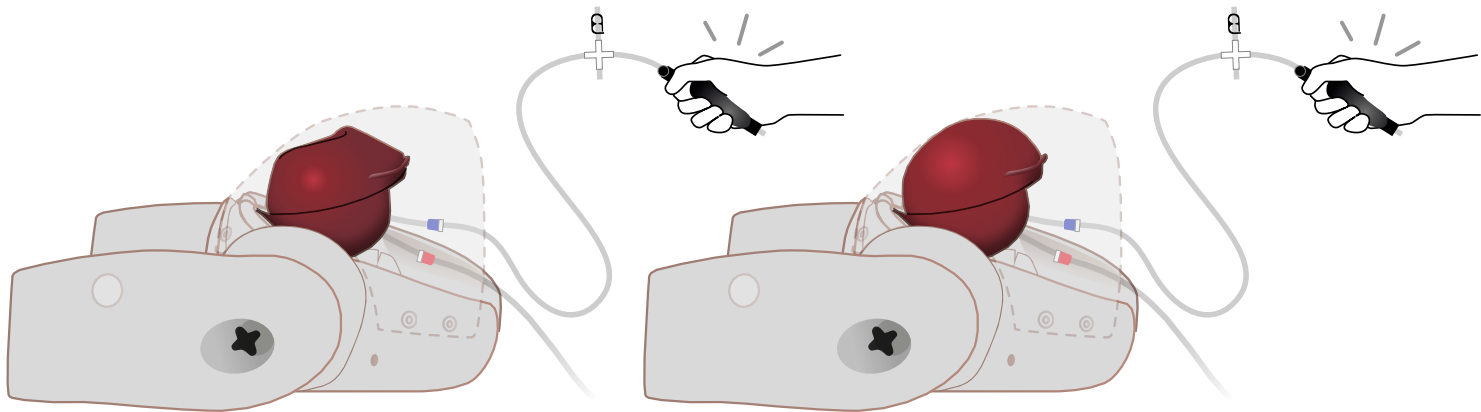
## Postpartum Haemorrhage Module (PPH) - PROMPT Flex

80101

80201

This module is an optional add-on for the Standard or Advanced Birthing Simulators.

It allows training in the management of post-partum bleeding, and offers a realistic simulation of an atonic and contracting uterus.



### QUALITIES

#### REALISM

- Atonic uterus can simulate contraction on fundal massage

#### KEY FEATURES

- Blood loss of up to 2 litres can be simulated
- Air bulbs are used to stimulate blood flow and control atonic state of the uterus

#### VERSATILITY

- Can be quickly and easily fitted into the birthing mother to allow simulation of situations where bleeding occurs directly after delivery

### SKILLS

- Management of postpartum bleeding:
  - Fundal massage
  - Bi-manual compression
  - Haemostatic balloon insertion and management
- Communication skills with mother when used with Simulated Patient
- Intramuscular injection
- Estimating blood loss

### WHAT'S INCLUDED

- PPH Uterus Assembly - PROMPT Flex
- Concentrated Venous Blood - Starter Pack (x2)
- PPH Blood Container - PROMPT Flex





## Postpartum Haemorrhage Kit - PROMPT Flex

80112

80212

This kit consists of the PPH module, Compression Suture Uterus and a pre-incised skin. It offers everything required for the management of postpartum bleeding and care including performing a compression suture and ligating the uterine artery.

To be used with the PROMPT Flex Standard or Advanced.



### SKILLS

- Management of postpartum bleeding:
  - Fundal massage
  - Bi-manual compression
  - Haemostatic balloon insertion and management
- Estimating blood loss
- All common types of compression suture procedures including:
  - B-Lynch
  - Hayman
  - Pereira
- Dissection of broad ligament
- Ligation of uterine arteries
- Professional-to-patient communication skills



### QUALITIES

#### REALISM

- Atonic uterus can simulate contraction on fundal massage
- Compression Suture Uterus includes uterine arteries, uterine veins and broad ligament

#### KEY FEATURES

- Blood loss of up to 2 litres can be simulated
- Air bulbs are used to stimulate blood flow and control atonic state of the uterus
- Multiple uses when conducting a compression suture

#### VERSATILITY

- Each uterus can be used up to 20 times
- Can be quickly and easily fitted into the birthing mother to allow simulation of situations where bleeding occurs directly after delivery

### WHAT'S INCLUDED

- Postpartum Haemorrhage Module - PROMPT Flex
- Compression Suture Uterus (Pack of 2)
- Pre-incised Delivery Skin for PROMPT Flex

## Mediolateral Perineal Repair Trainer



61141

61151

NEW



## Midline Perineal Repair Trainer

61140

61150



This model allows trainees to learn the suturing techniques for repairing a 1st or 2nd degree perineal repair. The fabric construction can accommodate repeated early learning training ideal for skill acquisition.

### SKILLS

- Recognition of internal anatomy
- Tissue handling
- Classification of injury
- Repair of a lacerated perineum

### QUALITIES

#### ANATOMY

- Hymenal remnants, vaginal mucosa, perineal skin, perineal dermis, perineal muscles and palpable anal sphincter

#### KEY FEATURES

- Durable insert for cost-effective procedural training
- Anatomically accurate, key anatomical layers can be sutured
- Illustration pack representing each degree of perineal trauma to aid identification of key landmarks and internal anatomy

#### VERSATILITY

- Can be used alongside PROMPT Flex by placing in front of the birthing mother to add further realism
- Quick and easy to set up
- Clamps provided to secure trainer to benchtop
- Compact and portable
- Available in either Midline or Mediolateral presentation for regional variation

### WHAT'S INCLUDED

- Midline Repair Pads (x2) **OR** Mediolateral Repair Pads (x2)
- Perineal Repair Stand with Clamps
- Perineal Repair Block Loading Frame
- Perineal Repair Illustration Pack

## Anal Sphincter Repair Trainer



This model allows trainees to learn how to perform a 4th degree perineal repair. A stand accommodates one anal sphincter repair block.

### SKILLS

- Recognition of internal anatomy
- Tissue handling
- End-to-end repair of the external anal sphincter
- Overlap repair of the external anal sphincter
- Repair of the internal anal sphincter and anal mucosa

### QUALITIES

#### ANATOMY

- Hymenal remnants, vaginal mucosa, perineal skin, perineal muscles, external anal sphincter, internal anal sphincter, anal mucosa and pararectal fat

#### REALISM

- Soft skin with a similar drag and strength to human skin

#### KEY FEATURES

- Anatomically accurate, all key anatomical layers can be sutured
- Illustration pack representing each degree of perineal trauma to aid identification of key landmarks and internal anatomy

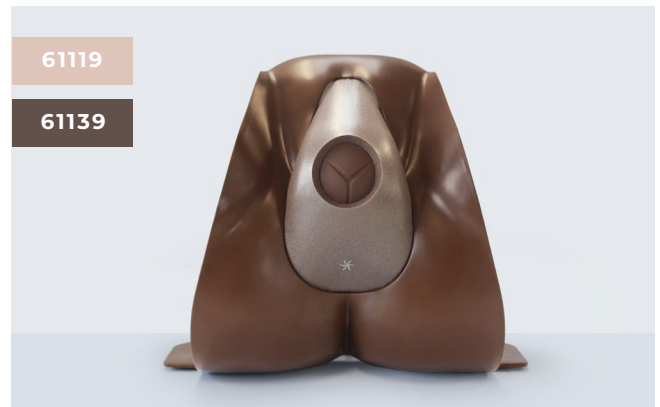
#### VERSATILITY

- Can be used with a simulated patient
- Quick and easy to set up
- Clamps provided to secure trainer to benchtop
- Compact and portable

### WHAT'S INCLUDED

Anal Sphincter Repair Block (x2)  
Perineal Repair Stand with Clamps  
Perineal Repair Block loading frame  
Perineal Repair Illustration Pack  
Water Based Lubricant

## Episiotomy Trainer



This cost effective model is designed to be used with the Perineal Stand in a classroom setting to ensure acquisition of confidence in the training of episiotomy.

It offers repeatable training and contains an illustration pack that supports trainees in gaining confidence in performing this procedure.

### SKILLS

- Identification of fontanelles
- Handling of a stretched perineum
- Reducing the risk of damaging the baby or mother
- Infiltration of perineum prior to episiotomy
- Performance of mediolateral (or midline) episiotomy
- Use of instruments

### QUALITIES

#### REALISM

- Realistic representation of tissue to represent a stretched perineum

#### KEY FEATURES

- Baby head has realistic look and feel, providing landmarks and appropriate tactile response when inserting fingers to guard the baby's head
- Repair tape increases the longevity of the episiotomy pad, allowing for multiple uses per pad
- Illustration pack to help trainees get familiarised with key landmarks and where to place the cut

### WHAT'S INCLUDED

Episiotomy Incision Pad (x2)  
Perineal Repair Stand with Clamps  
Episiotomy Repair Tape (x24)  
Episiotomy Baby Head  
Episiotomy Illustration Pack

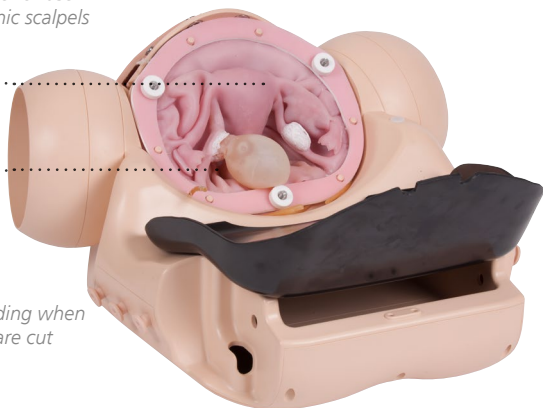
# Surgical Female Pelvic Trainer (SFPT) Mk 2

60251

A simulator for training in a wide range of laparoscopic gynaecological surgical techniques and procedures. The uterus component can be easily removed and replaced after use.

Compatible for use with harmonic scalpels

Lifelike bleeding when arteries are cut



- Abdominal Skin with realistic tissue properties for trocar insertion
- Realistic representation of uterus and pathologies

## QUALITIES

### ANATOMY

- Includes:
  - Uterus
  - Cervix
  - Bladder
  - Ovaries
  - Ureters
  - Ovarian artery
  - Dunn's pouch
  - Ovarian cyst
  - Fibroid
  - Cardinal ligament
  - Abdominal skin with realistic tissue properties for trocar insertion
  - Pelvic floor with sympathetic features
  - Vagina
  - External introitus
  - Fallopian tube
  - Broad ligament
  - Uterine artery
  - Pouch of Douglas
  - Bowel and sigmoid
  - Ectopic pregnancy
  - Uterosacral ligament

### REALISM

- Insufflation of abdomen is represented

### KEY FEATURES

- Provides practice and role playing for gynaecological perioperative teams
- Includes a realistic vaginal canal and cervix for inspection, in which a uterine manipulator can be used
- Realistic bleeding when arteries are cut

### VERSATILITY

- Compatible for use with harmonic scalpels

### SAFETY

- Capsule in uterus contains latex



## SKILLS

- All skills relevant to performing the following procedures:
  - Salpingectomy
  - Myomectomy
  - Hysterectomy
  - Salpingostomy
  - Cystectomy
  - Oophorectomy
- Dissection down to and location of ureters
- Insertion and use of uterine manipulator
- Working with various gynaecology instruments
- Identification of anatomical landmarks

## WHAT'S INCLUDED

- SFPT Mk 2 Abdomen
- SFPT Mk 2 Surgical Uterus
- SFPT Mk 2 Abdominal Skin Pad
- SFPT Mk 2 Perineum
- SFPT Mk 2 Bowel
- Venous Blood Starter Kit
- SFPT Mock Blood Kit (includes reservoir and pump)
- Blunt dispensing needle and syringe

## CONSUMABLES

- 60256 SFPT Uterus (x5)
- 60257 SFPT Uterus (x10)
- 00021 Concentrated Venous Blood

### Patents granted

- US6336812 • EP099027 • DE69804793 • CA 2293585
- ZL98806331 • HK1023832 • 755575 Australia

# Infant Hip Exam



- 42000
- 42010
- 42004
- 42014

Our Infant Hip Exam (IHE) Trainer has been designed to meet the specific requirements of healthcare professionals training to identify and diagnose developmental dysplasia of the hip (DDH). This simulator represents a 1-month-old term female and can simulate a normal, dislocated and

dis-locatable or 'lax' hip joint, allowing for practice of Barlow and Ortolani manoeuvres as well as the Galeazzi sign. The baby has been designed with interchangeable normal and abnormal leg modules and one upper torso.



## QUALITIES

### ANATOMY

- Palpable greater trochanter on the left and right femurs to aid correct hand placement
- Articulating hip, knee and ankle joints for the Barlow and Ortolani manoeuvres and Galeazzi sign

### REALISM

- Realistic 'clunk' can be felt when resetting the dislocated hip
- Anatomically accurate 1 month old female infant

### KEY FEATURES

- Quick and easy to set up
- Durable model that allows for repeated training using the Barlow and Ortolani manoeuvres
- Normal hip module – allows trainees to understand the haptics of a normal hip
- Abnormal hip module - one hip that is dislocated and can be manoeuvred into and out of the correct position using the Barlow/ Ortolani technique and one dis-locatable or 'lax' hip that can be dislocated and relocated when using the Barlow/ Ortolani technique
- Articulating knee and ankle joints mean the baby's feet can be placed flat replicating the Galeazzi sign

### VERSATILITY

- Interchangeable lower modules allow trainees to recognise normal hips as well as two types of abnormal hip joint

### SAFETY

- Latex free

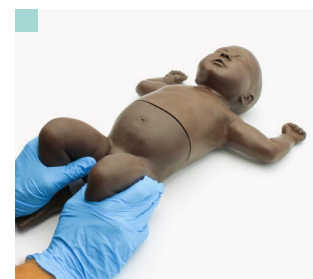


Illustration of internal hips and how they present in the model  
 Barlow manoeuvre  
 Galeazzi sign

## WHAT'S INCLUDED

	42000	42004
	42010	42014
IHE Upper	✓	✓(x2)
IHE Lower Normal	✓	✓
IHE Lower Abnormal	✓	✓
IHE Illustration Card	✓	✓

# TruBaby X

TCTB10001 TCTB10001DS

Trubaby X provides a complete solution for paediatric clinical skills training.

Incredibly lifelike with the appearance, weight, size and movement of a 5-month-old infant.



It is an ideal model for practicing Directly Observed Practical Skills (DOPS), Paediatric Advanced Life Support (PALS) and critical emergency medicine including infant airway management, CPR, IV cannulation and lumbar puncture.

## QUALITIES

### ANATOMY

- Palpable vertebrae landmarks including the iliac crest for performing lumbar puncture
- Contains the dorsal venous arch, great and lesser saphenous veins allowing needle cannulation at various locations
- Realistic rib structures including xiphoid process, clavicle and sternum
- Palpable landmarks in the 2nd and 5th intercostal space
- Features the tibial tuberosity and patella anatomy which facilitates for the identification of the proximal tibia intraosseous needle insertion site

### REALISM

- Appearance, weight, size and movement of a 50th percentile 5-month-old infant
- Internal fluid flow for realistic blood flashback during IV cannulations

### KEY FEATURES

- Includes the AirSim X Airway which provides realistic and durable training and comes with a 5-year warranty
- Accurate needle placement allows for positive LOR response and collection of simulated cerebrospinal fluid (CSF) during lumbar puncture
- Audible hiss when needle is successfully inserted for needle thoracentesis
- Facilitates either the Seldinger chest drain insertion technique or the needle thoracentesis approach for the treatment of a pneumothorax

### VERSATILITY

- Interchangeable male and female genitalia for urethral catheterisation
- The model has been designed as fully interchangeable, all the parts are cost effective and can be replaced quickly when required. Initial set-up time is less than 5 mins



Airway Intubation  
 IV cannula insertion  
 Foley Urinary Catheterisation  
 Lumbar Puncture

## SKILLS

- Airway management
- Peripheral venous cannulation
- Lumbar puncture
- PICC line insertion
- Needle thoracentesis and chest drain
- Urethral catheterisation (male and female)
- CPR
- IO Tibia

## WHAT'S INCLUDED

- TruBaby X Model
- Needle Decompression Inserts (x1 Left & x1 Right)
- Chest Drain Inserts (x1 Left & x1 Right)
- TruBaby X IO Inserts (x3 Left & x3 Right)
- TruBaby X Lumbar Puncture Insert
- TruBaby X Carrier case
- USB pen drive user manual
- Bottle of TruCorp lubrication (100 ml)
- Bottle of artificial blood concentrate (250ml)
- Syringes with tubing and quick fit connectors (x2)
- Male and Female genitalia inserts

## AirSim Baby X



The AirSim® Baby X, based on a 0 to 6-month-old, provides a realistic and anatomically correct paediatric manikin for airway management training.

### SKILLS

- Double nasotracheal intubation
- Bag and mask ventilation techniques
- Full range of supraglottic devices
- Direct and video laryngoscopy
- Endotracheal tube insertion

### QUALITIES

#### REALISM

- 'Real feel' skin covering for added realism
- Realistic external and internal anatomical features allow for easy and successful demonstration of all paediatric videolaryngoscopes

#### KEY FEATURES

- Realistic feedback during airway management procedures including bag/mask ventilation, supraglottic airway insertion, both naso and orotracheal intubation

### WHAT'S INCLUDED

- AirSim Baby X
- Baby Lung Bag Set
- Bottle of TruCorp Lubrication (100ml)
- USB User Manual
- Carry Case

## AirSim Child Combo X



Ideal for practising oral and nasal intubation training techniques, percutaneous tracheostomy and emergency cricothyroidotomy on a 6-year-old child.

### SKILLS

- Double nasotracheal intubation
- Needle and surgical cricothyroidotomy
- Percutaneous tracheostomy
- Oral and nasal intubation
- Laryngeal mask airway and supraglottic device insertion
- Combi tube insertion
- Awake fibre optic intubation
- Video laryngoscopy
- Bag and mask ventilation techniques

### QUALITIES

#### REALISM

- A realistic larynx which features palpable cricoid landmarks, laryngeal cartilages and tracheal rings

#### KEY FEATURES

- A tongue bulb which can be inflated to create tongue edema providing a variance during training
- User feedback through the visualisation of stomach inflation and lung expansion

### WHAT'S INCLUDED

- |                                       |                           |
|---------------------------------------|---------------------------|
| AirSim Child Combo X                  | Child Lung Bag Set        |
| USB User Manual                       | Spare Larynx Inserts (x4) |
| Bottle of TruCorp Lubrication (100ml) | Carry Case                |

## Pierre Robin X



Developed with clinicians from Children's Hospital Los Angeles, this model is an accurate representation of a 6-month-old with Pierre Robin Sequence for emergency airway management practice. Using actual CT DICOM scan data from infants with PRS, this model accurately represents the congenital defects, including:

- Significant mandibular hypoplasia or micrognathia (small lower jaw)
- Glossoptosis (displacement of the tongue)
- Cleft palate (gap in the roof of the mouth)
- Bifid uvula (forked or split uvula)

## Paediatric Lumbar Puncture Simulator II

KKM43D



Designed to represent a 7 to 10-month-old infant, this model is used to practise the lumbar puncture procedure.

### SKILLS

- Skin preparation
- Patient positioning
- Palpation of landmarks
- Sterilisation and local anaesthesia
- Needle positioning and insertion
- Cerebrospinal fluid (CSF) collection and pressure measurement

### QUALITIES

#### REALISM

- Body of the manikin is soft and flexible

#### KEY FEATURES

- Realistic tissue resistance
- Iliac crests and spinous process are present and palpable

#### VERSATILITY

- Puncture block is quick and easy to replace
- Puncture sites not visible on skin
- Successful puncture is confirmed by the simulated CSF (water) flowing out
- CSF pressure can be measured with a manometer
- Variation of puncture depth

### WHAT'S INCLUDED

Paediatric Lumbar Puncture Block (12mm) (x2)  
 Paediatric Lumbar Puncture Block (17mm) (x2)  
 Baby manikin  
 Stand  
 Irrigation bag & syringe

## NCPR Simulator Plus II

KKMW21B

KYOTO KAGAKU



This anatomically accurate, life-size model of a 4-week-old female newborn infant is ideal for training in a range of essential care skills.

### SKILLS

- Injection (arm and leg) and catheterisation
- Umbilical catheterisation and care
- Nasogastric and orogastric tube feeding
- Airway suction
- Endotracheal tube placement
- Airway management
- Assessment of anterior fontanel
- CPR

### QUALITIES

#### ANATOMY

- Arm - basilic, cephalic and dorsal veins
- Leg - saphenous and popliteal veins
- Umbilical cord
- Lungs
- Ribs
- Airway

#### REALISM

- Soft, lifelike umbilical cord can be cut and catheterised and is easy to replace
- Non-rigid, flexible neck
- Veins can be visualised using a real LED transilluminator

#### KEY FEATURES

- Supports 3 types of injection and catheterisation training: direct vision, transilluminated and ultrasound guided PICC

#### CLEANING & CARE

- Skin is washable using soap and water

### WHAT'S INCLUDED

Newborn care baby	Syringe
Simulation blood tube (red)	Lubricant
Simulation blood tube (blue)	Plastic jar
Simulation blood	Instruction manual



# Knee Aspiration & Injection Trainer with Ultrasound Capability



70103

70114

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 colour 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

## SHOULDER INJECTION TRAINER RANGE

This range combines physical practice with the guidance of technology. It provides a repeatable teaching and training platform for shoulder injections in the 4 most common sites.

Both models share a common torso but offer different levels of complexity to support trainees from early learning through to specialist level.

### Shoulder Injection Trainer - Palpation Guided

70200

70219

With tablet included, the accompanying Android app allows learners and teachers to visualise the underlying anatomy, as well as clearly signalling success.

#### SKILLS

- Practise multiple approaches to specific sites
- Identification of anatomical landmarks using palpation guidance
- 4 common injection sites:
  - Acromioclavicular Joint
  - Glenohumeral Joint
  - Bicipital Groove
  - Subacromial Space
- Rotation of the shoulder to locate head of the humerus

#### QUALITIES

##### REALISM

- Discrete muscle and skin layers for realistic needle feel

##### KEY FEATURES

- Palpation to find the four most common injection sites
- Instant feedback for the trainee when a site is correctly located
- Injections from multiple approaches to allow for different preferences
- Suitable for postgraduate learning
- App features full 360-degree view of underlying anatomy and injection sites to aid learning
- Cost effective replacement skins

##### VERSATILITY

- Each skin can withstand up to 500 injections per site (1 x spare shoulder skin supplied)
- Simple Bluetooth connection between app and trainer
- Requires only a standard needle (supplied)
- Batteries (2 x AA supplied) last for up to 500 hours

##### SAFETY

- Latex free

#### WHAT'S INCLUDED

Shoulder Module - Palpation Guided

Shoulder Skin (x1 spare)

Shoulder Torso

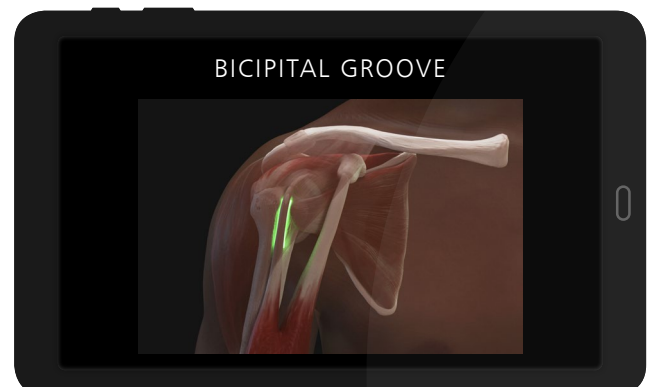
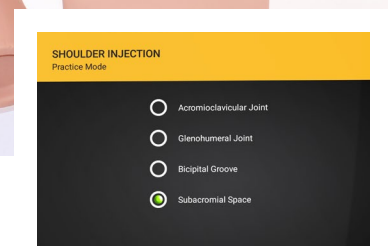
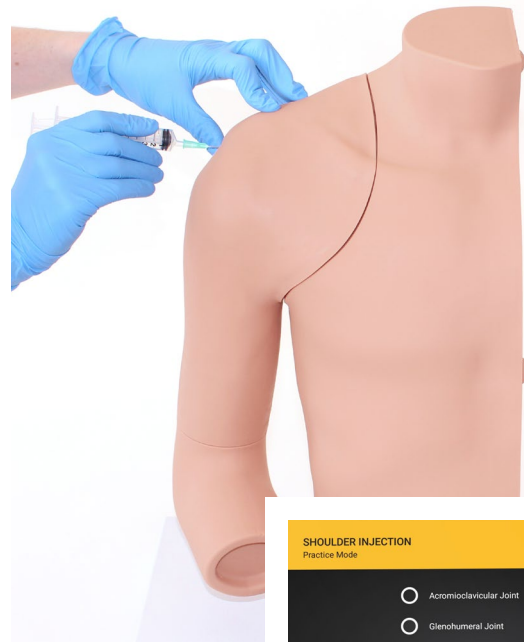
Needle Set

Android Tablet

Elbow

AA Batteries (x2)

Carry Case



*The application includes interactive shoulder anatomy and links to injection technique guides.*

## Shoulder Injection Trainer - Ultrasound Guided

70202

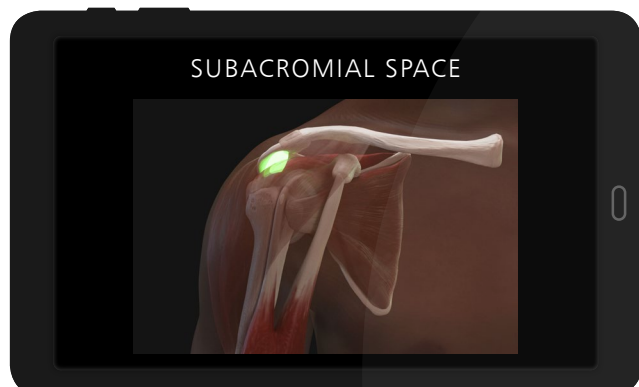
70221



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



IMPROVED

### 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 colour

#### SAFETY

- Latex free

### WHAT'S INCLUDED

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

## Hand & Wrist Injection Trainer

70230

Suitable for all levels of training, the Hand & Wrist Injection Trainer allows trainees and clinicians to practise and teach injections in five different locations (Carpal Tunnel, De Quervain's Sheath, Trigger Finger, First Carpometacarpal Joint, and the Distal Radioulnar Joint). The model also highlights when incorrectly injected, ensuring trainees learn to avoid the median nerve.

The trainer comes equipped with an Android tablet, which works in unison with our newly developed app. The app, coupled with innovative sensory technology, provides learners with wireless, real-time feedback from the procedure.

### SKILLS

- Model allows for injection into:
  - The Carpal Tunnel
  - De Quervain's Sheath
  - Trigger Finger
  - 1st Carpometacarpal Joint
  - Distal Radioulnar Joint
- Patient positioning and management
- Identification of anatomical landmarks

### ANATOMY

- Injection Sites:
  - Carpal Tunnel
  - De Quervain's Sheath
  - Trigger finger
  - First Carpometacarpal Joint
  - Distal Radioulnar Joint
  - Trigger finger nodule
  - Median Nerve
- Bone structures:
  - Radial Styloid
  - Ulnar Styloid
  - Trapezius and Scaphoid
  - First Carpometacarpal Joint space
  - Distal Radioulnar Joint space
  - Lister's tubercle
- Internal Product Anatomy:
  - Palmaris Longus
  - Flexor Carpi Radialis
  - Extensor Digitorum Group
  - Extensor Digiti Minimi
  - Abductor Pollicis Longus
  - Extensor Pollicis Brevis
  - Extensor Pollicis Longus



### QUALITIES

#### REALISM

- Interactive model anatomy
- Anatomically correct
- Includes important ligament and skeletal structures

#### KEY FEATURES

- Facilitates injection in 5 key sites
- Presence of median nerve allows for negative feedback
- New app provides interactive real-time feedback
- Each site can withstand over 200 injections
- Skin can be easily removed and changed

#### VERSATILITY

- Lightweight and easily portable
- App can be set to English UK, English USA, French, Mandarin, Spanish, German and Russian

#### CLEANING & CARE

- Skin surface is washable using soap and water

#### SAFETY

- Fluid should not be injected into any of the sites, due to the electronics contained
- Latex free

### WHAT'S INCLUDED

- Hand & Wrist Model
- Hand & Wrist Skin (1x spare)
- Android Tablet
- Needle Set – 3 Green Needles, 1 Syringe, 1 Sharps Bin
- AA Batteries (x2)

## Elbow for Joint Injection



For practising soft tissue joint injection used for the treatment of injuries and arthritis. The arm is presented for the treatment of both Golfer’s and Tennis elbow.

### SKILLS

- Patient posture and management
- Palpation techniques
- Identifying anatomical landmarks and painful areas
- Injections for:
  - Tennis Elbow (lateral epicondylitis)
  - Golfer’s Elbow (medial epicondylitis)
- Training in fan or cone infiltration techniques

### QUALITIES

#### REALISM

- Flexed right elbow, which rotates on the stand

#### KEY FEATURES

- Easy-to-use Feedback Console: LEDs light up when correct injection sites have been acquired, point of maximal tenderness has been palpated, and when the ulnar nerve has been hit

#### VERSATILITY

- Supplied with ‘No Trace’ marker (non-permanent rapidly fading ink) for illustrating underlying anatomical landmarks

#### SAFETY

- Latex free

### WHAT’S INCLUDED

- ‘No-Trace’ Marker
- Elbow Needle Set
- Elbow Skin
- Elbow Base Unit
- Feedback Console with batteries

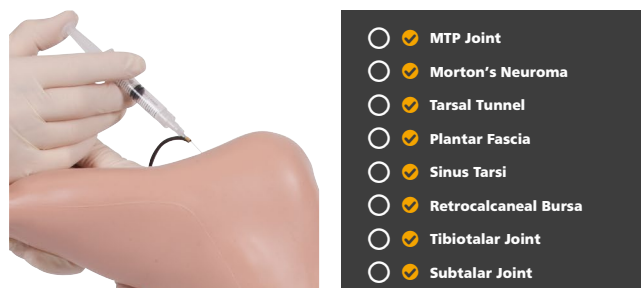
## Foot & Ankle for Joint Injection



A foot and ankle for practising soft tissue injection for the treatment of injuries and arthritis. Designed in collaboration with Mr Jim Pickard and Dr Chris Davies from the University of Huddersfield, UK.

### SKILLS

- Patient posture and management
- Palpation techniques
- Identifying anatomical landmarks
- Injection sites for:
  - Metatarsophalangeal (MTP) Joint
  - Tarsal Tunnel
  - Sinus Tarsi
  - Tibiotalar Joint
  - Morton’s Neuroma
  - Plantar Fascia
  - Retrocalcaneal Bursa
  - Subtalar Joint



### QUALITIES

#### ANATOMY

- Represents normal anatomy as required for palpation purposes

#### KEY FEATURES

- Easy-to-use Feedback Console: LEDs light up when correct injection sites have been acquired

#### SAFETY

- Latex free

### WHAT’S INCLUDED

- Foot & Ankle Needle Set
- Foot & Ankle Skin
- Foot & Ankle Musculature
- Foot & Ankle Base Unit
- Feedback Console with batteries

# Colles' Fracture Reduction Trainer

70250



The Colles' Fracture Trainer is an ideal training tool for learners looking to gain confidence in the reduction of Colles' fractures occurring at the distal end of the radius.

The portrayal of an elderly female arm coupled with a fractured distal fragment of the radius provides trainees with a platform for repeatable and consistent practice of manual Colles' reduction (closed) and plastering techniques. As is typical in a real-life emergency setting, the model allows trainees to perform visual inspections and identification before facilitating a team focussed Colles' fracture reduction.

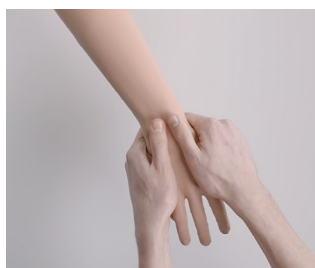
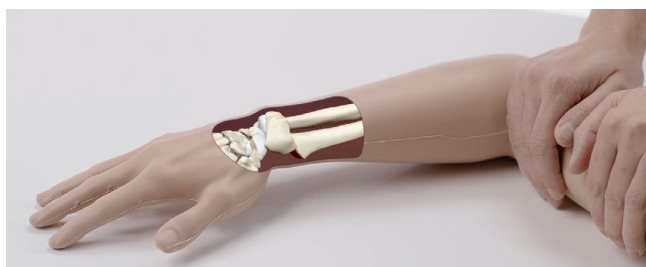
An adjustable tension mechanism allows trainers to alter the difficulty of the procedure for advanced learning.



Developed in collaboration with Dr Salwa Malik of Brighton and Sussex University Hospitals NHS Trust and Dr Yasir M. Shaukat of Surrey and Sussex Hospitals NHS Trust

## SKILLS

- Visual inspection and identification
- Reduction of the fracture (closed reduction)
- Plastering techniques
- Adjustable tension for different difficulties to be simulated
- Teamwork and communication when reducing the fracture



## QUALITIES

### ANATOMY

- Fractured distal fragment of radius
- Head and body of the ulna

### REALISM

- Realistic representation of a 'dinner-fork' deformity
- Lifelike haptic feedback when carrying out the procedure

### KEY FEATURES

- Adjustable tension allows for progressive levels of difficulty
- Trainees can perform all three stages of reduction: exaggeration (to disimpact the fracture), traction and flexion
- Accommodates a number of plastering techniques, including: back slab, circular cast, sugar-tong splint and 3-point molds
- Variable height stand allows users to adjust the height of the model for training ease
- Replaceable hand and skin

### SAFETY

- Latex free

## WHAT'S INCLUDED

- Colles' Fracture Arm (with skin included)
- Adjustable Height Stand
- Hex Keys (x2) - Large and Small

## Pressure Sores Simulator

KKMW63

 KYOTO KAGAKU


KKMW63 Pressure Sores Simulator is a decubitus care skills trainer for the new era. Its detailed representation allows for a wide range of training scenarios, including sore assessment, ultrasound assessment of deep tissue injury and necrotic tissue removal.

### SKILLS

- Characterisation of pressure sores
- Assessment of deep tissue in sciatic area by ultrasound
- Prevention and treatment of pressure ulcers / cleansing /dressing
- Debridement of necrotic tissue

## Freddie Fistula™ Skills Trainer

VTA0230




This realistic skills trainer facilitates the instruction and practice of the management of open abdominal wounds with active fistulas.

### SKILLS

- Competency and confidence in stoma identification
- Identifying the source of effluent flow
- Management of drainage
- Employment of wound dressing materials and techniques (including negative pressure wound therapy)

## Seymour II Wound Care Model™

VTA0910



VTA0920



Based on a 74-year-old patient, this model aids in the identification and assessment of wounds. Once the different aetiologies are understood, it can be used to discuss and devise treatment plans.

### SKILLS

- Wound assessment (classification & staging)
- Wound cleansing
- Dressing techniques
- Measurement of wound length, depth, undermining and tunnelling
- Negative pressure wound therapy

## 'Wilma' Wound Foot™

VTA0950



VTA0955



Based on an 80-year-old patient for a true-to-life appearance, the model offers 20 conditions which allow for the identification and staging of wounds and their probable causes.

### SKILLS

- Wound assessment
- Routine cleansing
- Dressing techniques

## eoSim™

The eoSim range of Laparoscopic box trainers allows trainees to practice their laparoscopic skills on a range of up to 18 curated tasks. Each box comes complete with four modular task bases, Laparoscopic instruments, an integrated digital camera and rechargeable light-source.

### QUALITIES

#### KEY FEATURES

- Portable brief-case design for maximum portability
- Comes with everything you need
- Quick and easy to set up trainer
- Easily interchanged tasks
- Works with mobiles and tablets
- Built-in HD webcam for use with PC or Mac

### SKILLS

- Minimally invasive surgery
- Psycho-motor skills associated with laparoscopic surgery
- Instrument handling
- Includes 18 different tasks to practice



**NEW**



### WHAT'S INCLUDED

		EOSIM CORE E0001	EOSIM ELITE E0003	EOSIM INSTITUTION E0008	EOSIM INSTITUTION PLUS E0009
Box	eoSim Box Trainer (includes camera and LED light)	✓	✓	✓	✓
Instruments	5mm Ratcheted Grasper	✓	✓	✓	✓
	5mm Non-Ratcheted Grasper	✓	✓	✓	✓
	5mm Scissors	✓	✓	✓	✓
	Knot pusher	×	✓	×	✓
	5mm RH Needle holder	×	✓	✓	✓
Hardware	22 inch monitor	×	×	✓	✓
	USB-C to HDMI cable	×	×	✓	✓
	Lightning to HDMI cable	×	×	✓	✓
	Height adjustable trolley	×	×	×	✓
SurgTrac Modules	SurgTrac Core – 6 tasks	✓	×	×	×
	SurgTrac Elite – 18 tasks	×	✓	✓	✓



## SurgTrac™

SurgTrac is an integrated skills training platform for surgeons, by surgeons. Designed to mirror Kolb’s experiential learning circle. SurgTrac offers a curriculum of skills, instrument tracking software, objective performance feedback and metrics synced to an online portfolio. All through your mobile device.

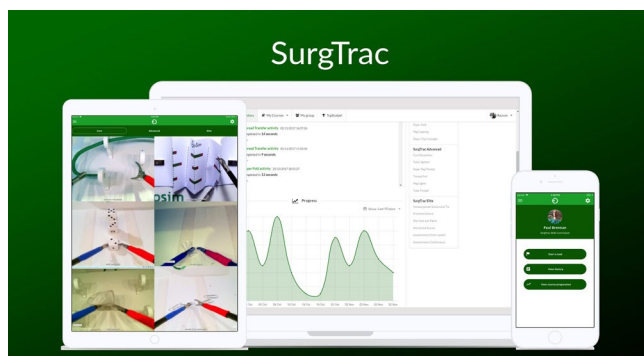
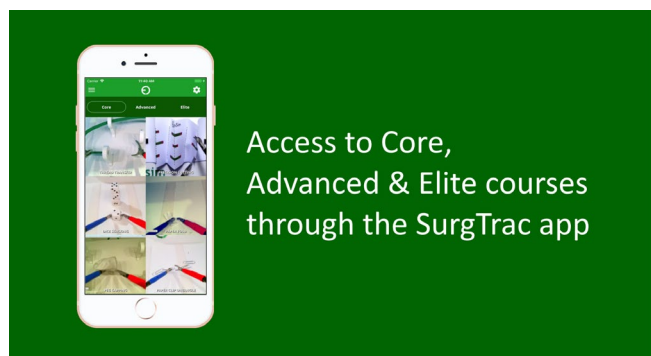
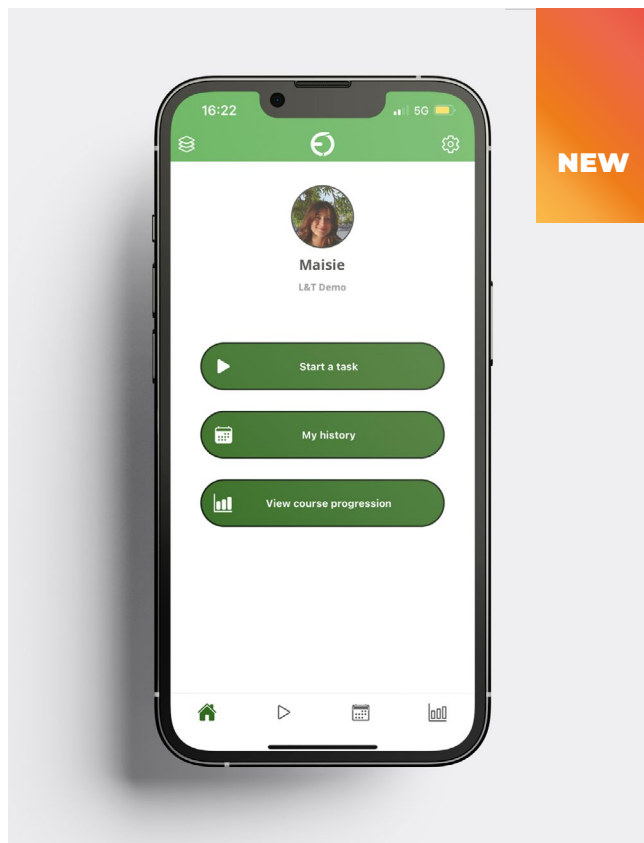
### QUALITIES

#### KEY FEATURES

- Instrument tracking, generating 20 quantitative metrics
- Natural language feedback to support self-directed development
- Video recording of task attempts – stored in the Cloud
- Online training portfolio, accessible from anywhere
- Evidence-backed by over 30 peer-reviewed articles

#### VERSATILITY

- Tiered curricula for different skill levels (Core, Advanced & Elite)
- Curated courses of tasks for surgical specialties
- Available on iOS, Android, Windows and MacOS
- Connect with your colleagues and classmates in Groups
- Invite trainees and track their progress on Group dashboards
- Assign Assessors to grade task submissions development



### SKILLS

COURSE	TASKS	
CORE	Dice Stacking	Precision Cutting (Paper)
	Paper Fold	Thread Transfer
	Peg Capping	Paper Clip Untangle
ADVANCED	Tube Ligation	Paper Peg Thread
	Thread Pull	Peg Ligate
	Cyst Dissection	Tube Thread
ELITE	Intracorporeal Suture and Tie	Slip Knot and Patch
	Anastomosis (Continuous)	Anastomosis (Interrupted)
	Precision Suture	Horizontal Suture

## FUNDAMENTALS OF LAPAROSCOPIC SURGERY™

Approved by the SAGES-ACS FLS Committee, the FLS trainer system is the only approved hands-on equipment for training and assessment.

FLS is a joint educational offering of the American College of Surgeons (ACS) and the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES). The FLS trainer system is appropriate for learning fundamental skills needed in many laparoscopic surgery specialties, including general surgery, gynaecology and urology.

The systems are complete with training box and TV camera alongside a range of tasks designed to develop the skills necessary to perform the fundamentals of laparoscopic surgery.



### QUALITIES

- Skin frame constructed from durable neoprene
- 2 pre-incised holes for the trocars
- Trainer systems come with a TV camera
- Trainer design allows for ambient light to enter the training area
- Overhead LED lighting strip



### SKILLS

- Laparoscopic surgery
- Tasks:
  - Peg transfer
  - Precision cutting
  - Ligating loop
  - Intra- and Extra-corporeal Knot Tying



#### ■ FLS Trainer Box **50302**

Economical and portable Lap trainer box ideal for training

#### ■ FLS Trainer System **50304**

Incorporates all of the features of the FLS trainer box, plus a 19" television and Mobile SimCart

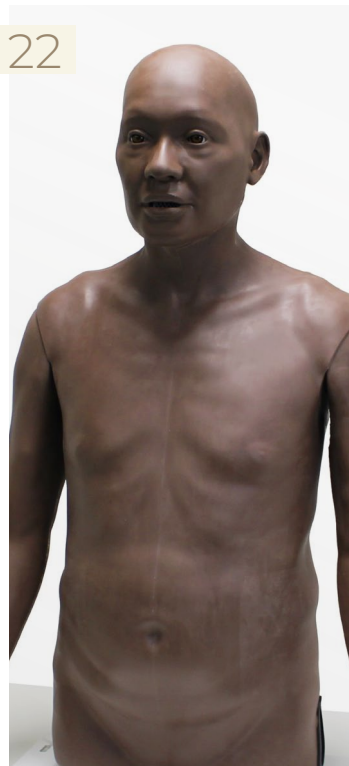
#### ■ FLS All-In-One Trainer System **50306**

Includes everything from the FLS trainer system, plus ligating loops, sutures and a set of FLS approved instruments

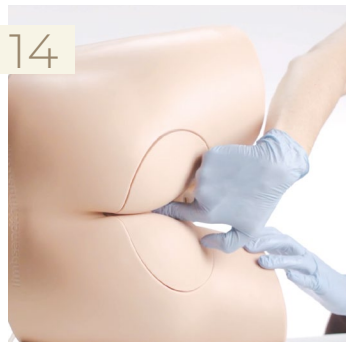
# UNDERGRADUATE MEDICINE

Designed to meet the core training needs and essential skills required at undergraduate level in the UK today.

CaRE



MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



BREAST EXAMINATION



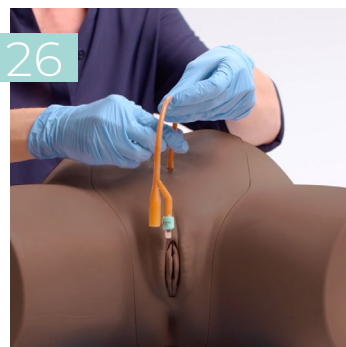
FEMALE PELVIC EXAMINATION



MALE PELVIC EXAMINATION



CATHETERISATION



BASIC SURGICAL SKILLS



VENEPUNCTURE



INJECTIONS



OTOLOGY & OPHTHALMOLOGY



# ATLS

This range offers a cost effective solution to the simulation equipment needed for ATLS 10th Edition making it easy for training providers to deliver this course.

## CHEST TRAUMA MANAGEMENT

30



AIRSIM DIFFICULT AIRWAY

35



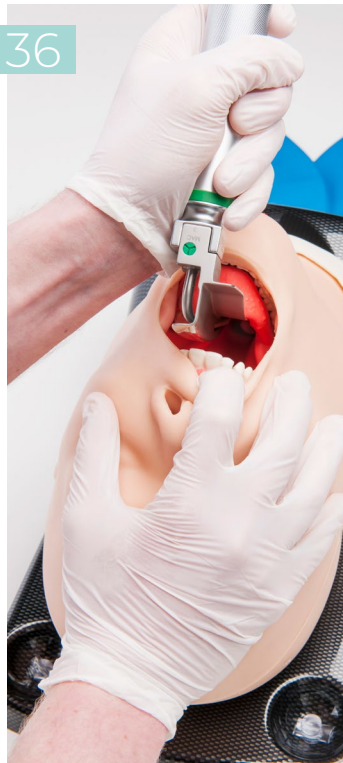
AIRSIM BABY X

71



AIRSIM ADVANCE X

36



AIRSIM COMBO X

36



AIRSIM CHILD COMBO X

71



# NURSE TRAINING

Nursing is at the heart of healthcare, and these products reflect the core simulation training needs required for undergraduate and postgraduate nursing in the UK today.

CLEAN BLEED MAT

8



PELVIC EXAMINATION

10



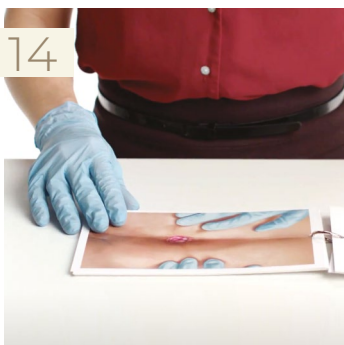
BREAST EXAMINATION

12



MALE RECTAL EXAMINATION

14



ABDOMINAL EXAMINATION

18



VENEPUNCTURE

42



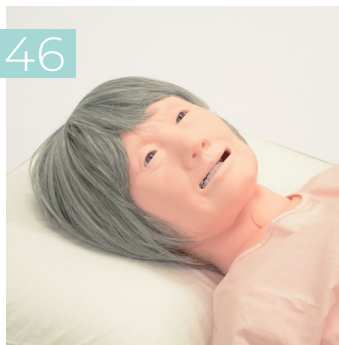
CATHETERISATION

26



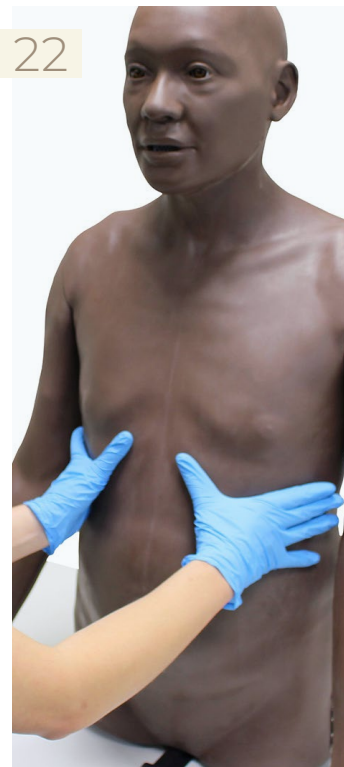
PATIENT CARE

46



CaRE

22



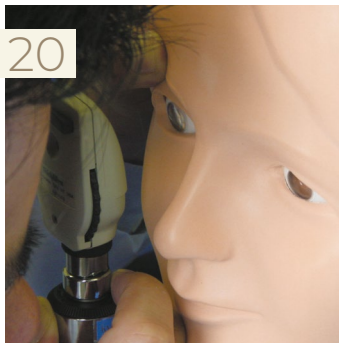
WOUND CARE

79



OTOLOGY &amp; OPHTHALMOLOGY

20



# PARAMEDIC TRAINING

From patient assessment and basic care in years 1 & 2, to more advanced skills in year 3, this range covers essential training elements required for training paramedics.

CLEAN BLEED MAT



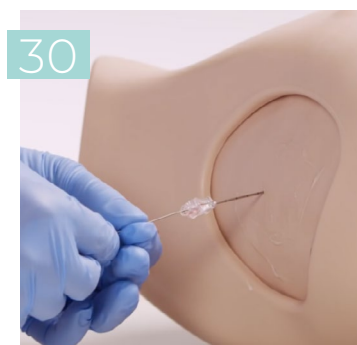
ABDOMINAL EXAMINATION



VENEPUNCTURE ARM RANGE



CHEST TRAUMA MANAGEMENT



INJECTIONS



TRUWOUND



TRUTOURNIQUET



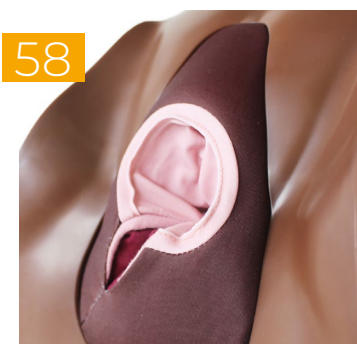
AIRWAY MANAGEMENT



TRAUMATIC WOUND



OBSTETRICS & MIDWIFERY



TRAUMA MANAGEMENT



COLLES' FRACTURE



# OSCE TRAINING

It's important students feel confident taking the Objective Structured Clinical Examination. These products are designed to train and test clinical skill performance for the OSCE.

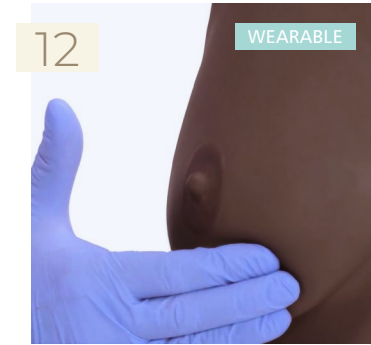
MALE RECTAL EXAMINATION



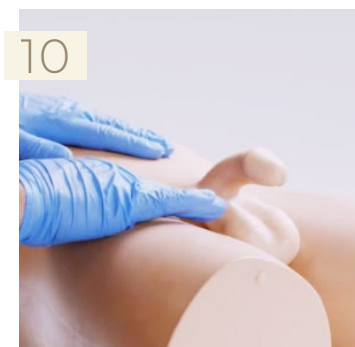
ABDOMINAL EXAMINATION



BREAST EXAMINATION



PELVIC EXAMINATION



CATHETERISATION



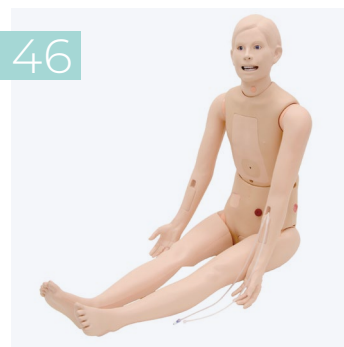
VENEPUNCTURE



TUBE FEEDING



PATIENT CARE



CaRE



OPHTHALMOLOGY



LUMBAR PUNCTURE &amp; EPIDURAL



# PHYSICIAN ASSOCIATE

Spanning both Paramedic and Emergency Medicine, our range of simulators includes both physical examination and procedural trainers.

MALE RECTAL EXAMINATION



FEMALE PELVIC EXAMINATION



ABDOMINAL EXAMINATION



MALE PELVIC EXAMINATION



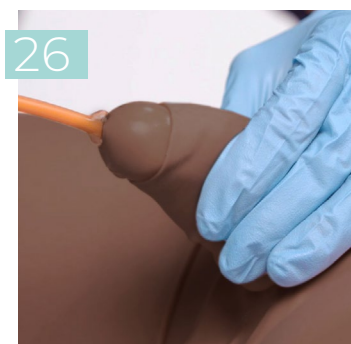
BREAST EXAMINATION



VENEPUNCTURE



CATHETERISATION



CaRE







SCAN ME

# ADVANCED PRACTICE

Upskilling and increasing scopes of work make this range an ideal training tool to ensure both competence and confidence.

## ABDOMINAL EXAMINATION



## FEMALE PELVIC EXAMINATION



## BREAST EXAMINATION



## MALE RECTAL EXAMINATION



## MALE PELVIC EXAMINATION



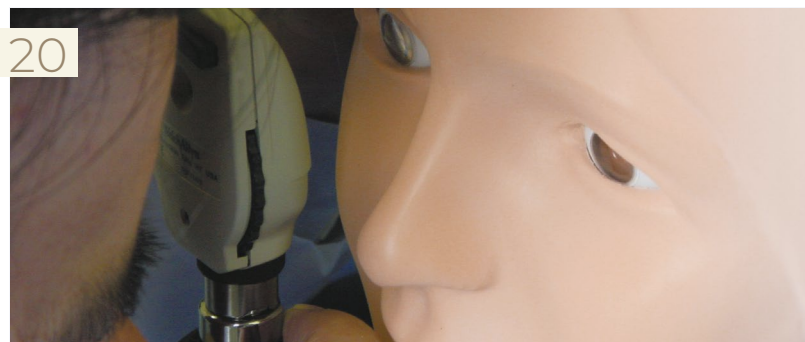
## OTOLOGY



## CaRE



## OPHTHALMOLOGY



# CLINICAL ULTRASOUND

For training in ultrasound guided procedures, the range is made of materials similar to human tissue, allowing trainees to practise advanced visualising or injecting techniques while using ultrasound imaging for accuracy.

SUPRAPUBIC CATHETERISATION



ULTRASOUND EPIDURAL



PARACENTESIS TRAINER



CHEST TRAUMA MANAGEMENT



TRUNERVE BLOCK



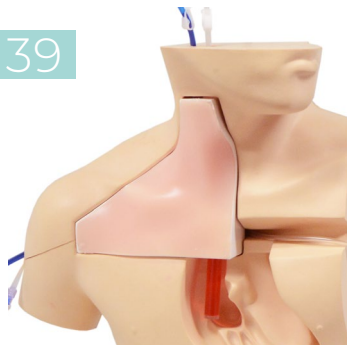
SHOULDER - ULTRASOUND GUIDED



KNEE - ULTRASOUND CAPABILITY



ULTRASOUND CVC INSERTION



ULTRASOUND GUIDED PICC



ULTRASOUND PERICARDIOCENTESIS



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