



**INTERNATIONAL
CATALOGUE
2024**

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 England, 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 designed and manufactured at our Head Quarters before being exported to **70 countries worldwide**. Each model is created by our committed team of experts who 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** and **dedicated field based sales team**, trained with expert product knowledge, 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

”

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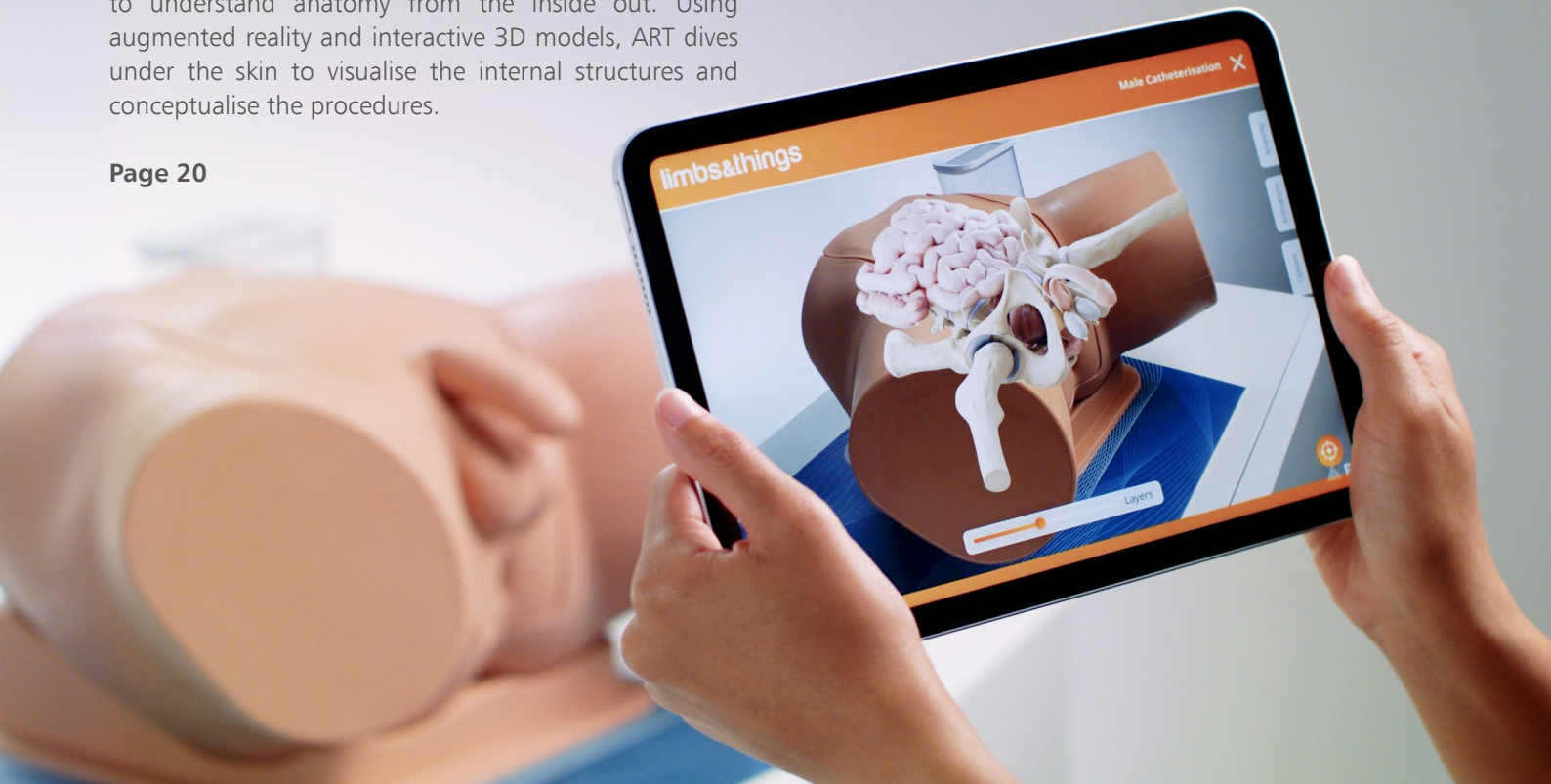
RANGES

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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 20





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.

Page 60



trucorp

Limbs & Things are proud to distribute the TruCorp ultrasound range across the globe.

TruCorp patient simulators provide healthcare professionals with realistic training in ultrasound techniques through their innovative and high-quality trainers.

Find out more about the TruCorp ultrasound range on **page 63**.



Clean Bleed[®] Mat

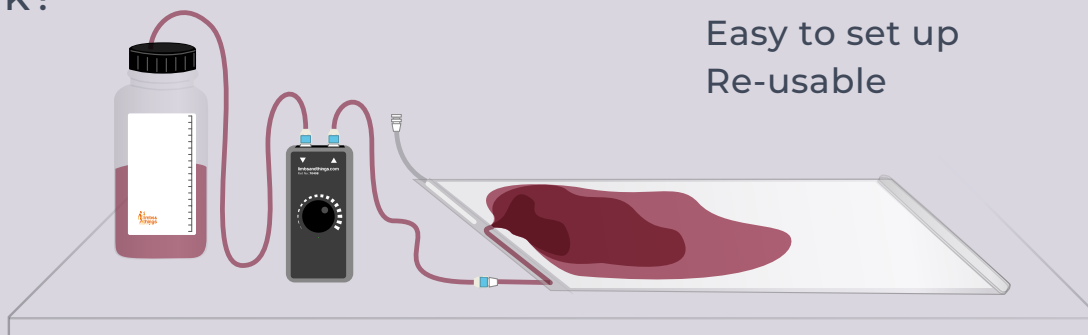
70400



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

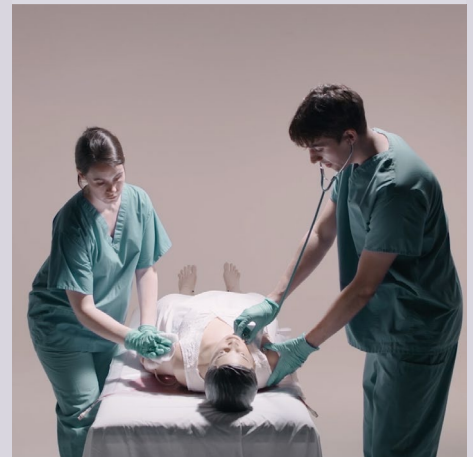
Simulated Patient



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

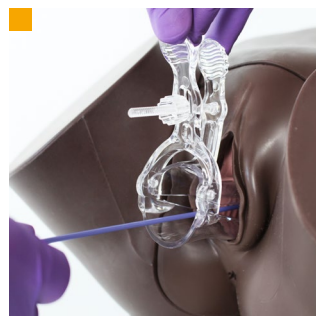
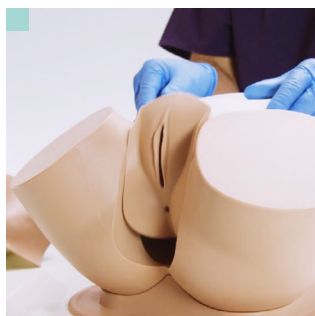
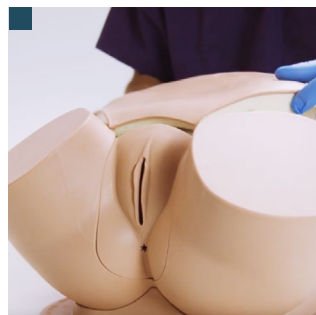
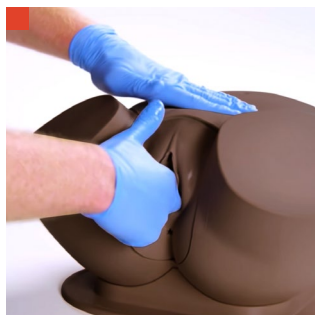
- Modules can be changed quickly and easily

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

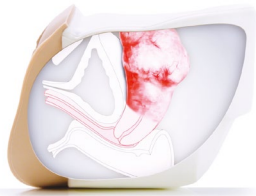
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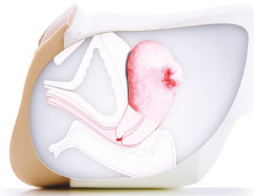
60920 | 60937

MODULE 1
Normal - Nulliparous Cervix



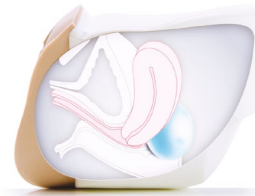
60921 | 60938

MODULE 2
Large Fibroid - Nulliparous Ectropion Cervix



60922 | 60939

MODULE 3
Small Fibroid - Nulliparous Polyp Cervix



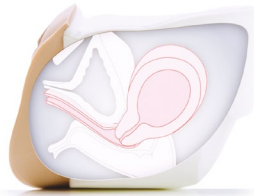
60923 | 60940

MODULE 4
Ovarian Cyst - Multiparous Cervix



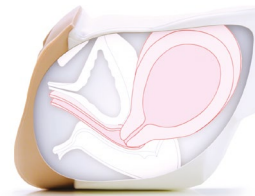
60924 | 60941

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

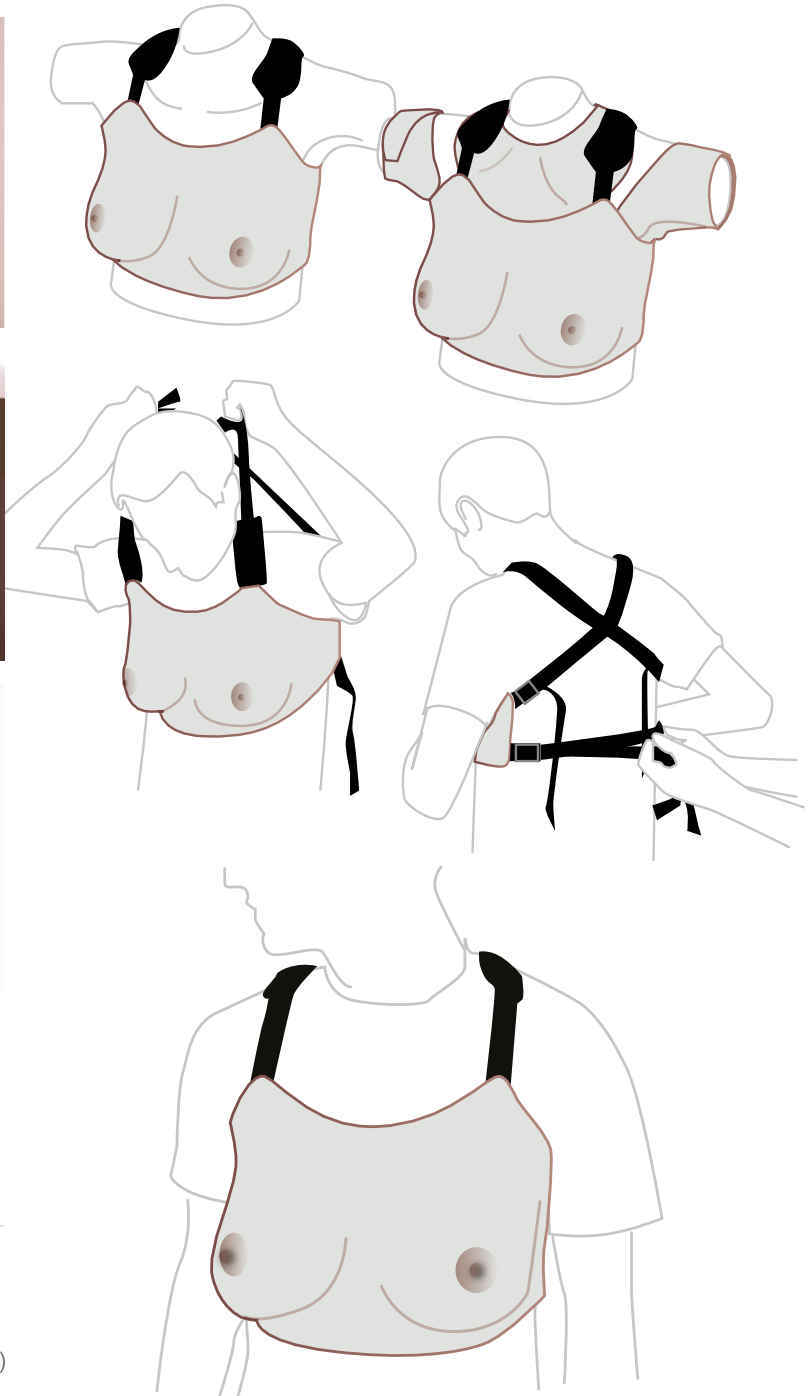
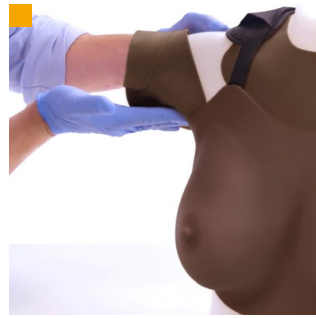
- Latex free

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

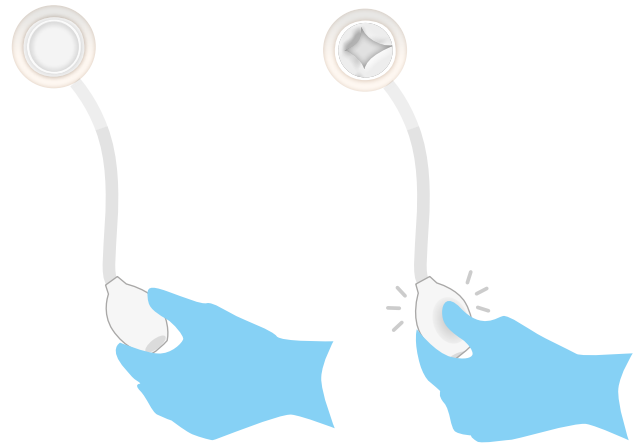
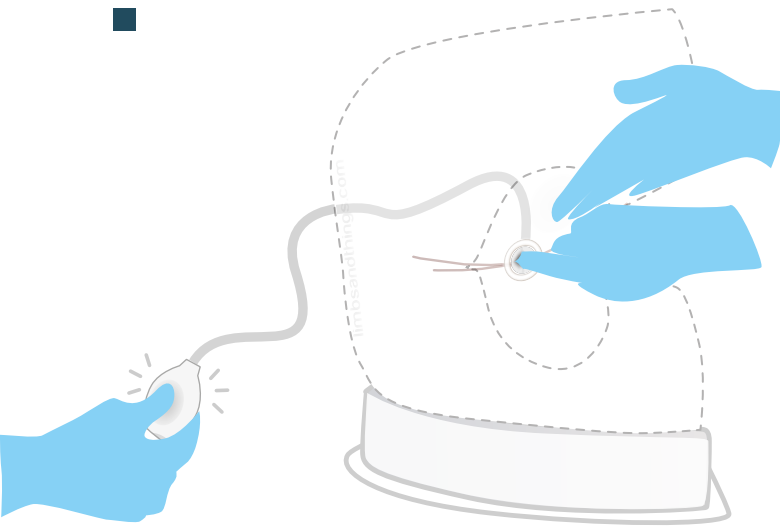
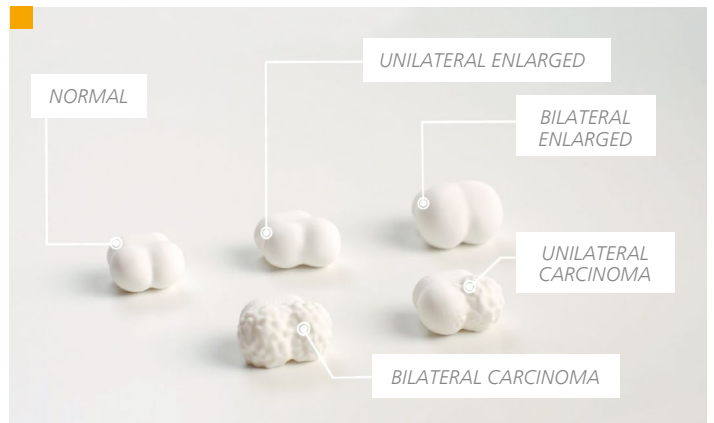
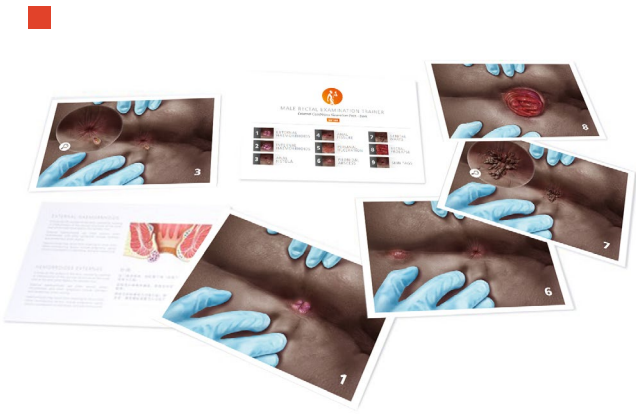
- Trainer can also be presented in 'semi-standing' position using the optional **Standing Position Stand (60172)**

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.

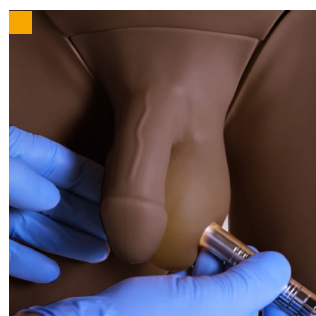
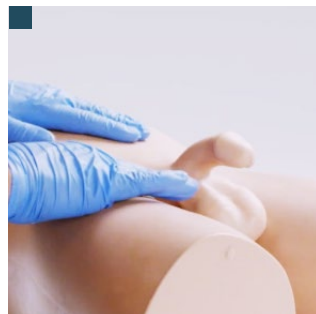
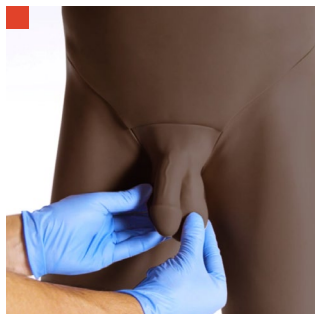
Validated in the *Journal of Surgical Education*
Volume 74, Issue 3, May–June 2017.

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

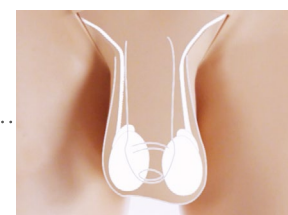
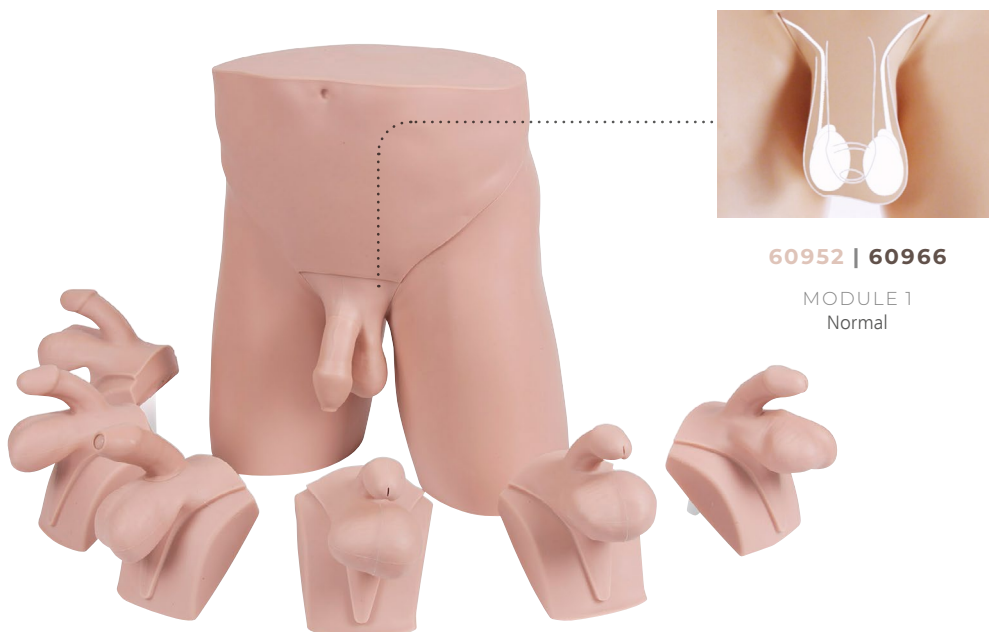
CLEANING & CARE

- Skin surface is washable using soap and water

ADVANCED

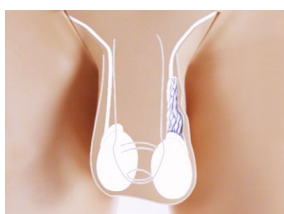
60951

60965



60952 | 60966

MODULE 1
Normal



60953 | 60967

MODULE 2
Varicocele



60954 | 60968

MODULE 3
Testicular Tumours & Penile Cancer



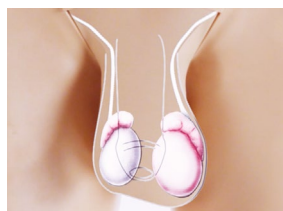
60955 | 60969

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.



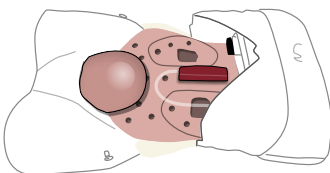
SKILLS

- 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

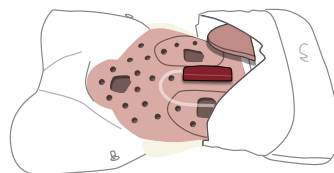


SET-UP EXAMPLES FOR SCENARIOS

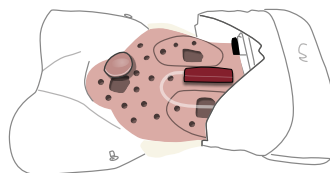
ACUTE URINARY RETENTION - BLADDER



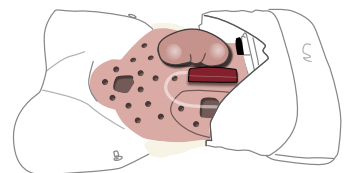
SLIGHTLY ENLARGED LIVER



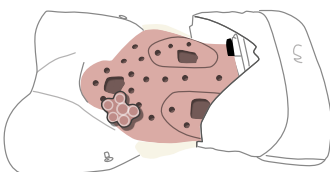
OVARIAN CYST - SMOOTH SOFT MASS



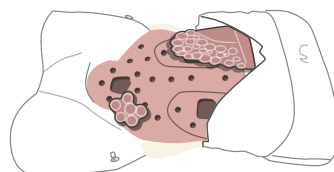
ENLARGED KIDNEY



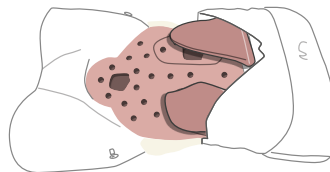
CARCINOMA ON MASS IN LEFT ILIAC FOSSA



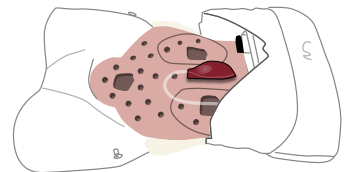
CARCINOMA WITH LIVER METASTASIS



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

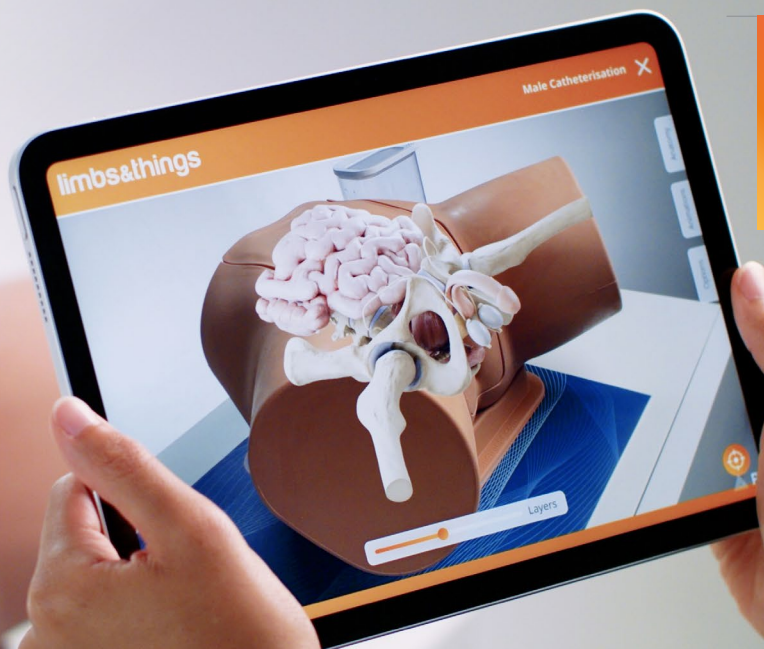
- Skin surface is washable using soap and water

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

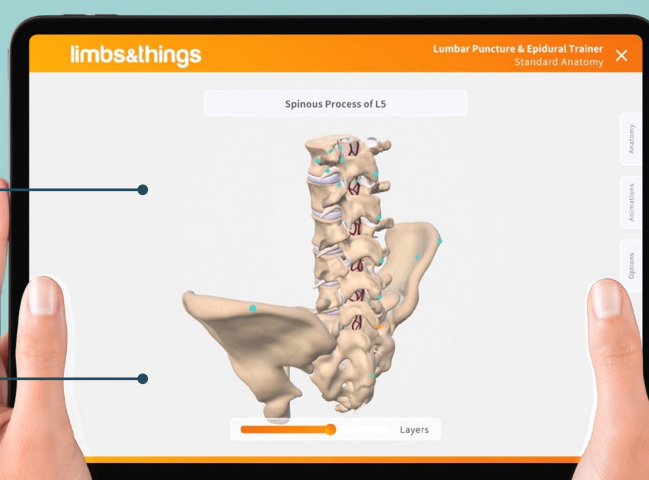
Abdominal Examination Base Unit
Abdominal Examination Skin
Abdominal Examination Rectus Bag
Abdominal Examination Organ Locator
Abdominal Wall
Abdominal Examination Livers (Set of 3)
Abdominal Examination Spleens (Set of 2)
Abdominal Examination Kidneys (x2)
Abdominal Examination Bladder
Abdominal Examination 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)



NEW

Labeled layers of anatomy

Procedure animations



KEY FEATURES & BENEFITS

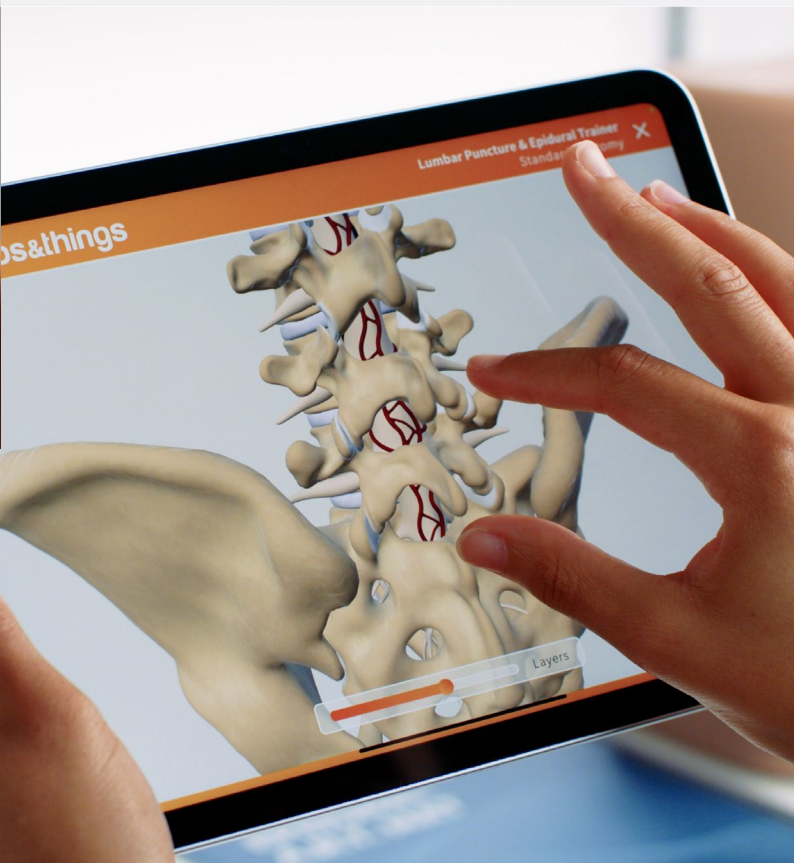
- Visualise the key pieces internal anatomy
- Rotate anatomy in 360°
- Detailed anatomical labels
- Provides variation in anatomy
- Animation showing different procedures effect on the anatomy
- Linking internal anatomy to physical products and procedures

SKILLS

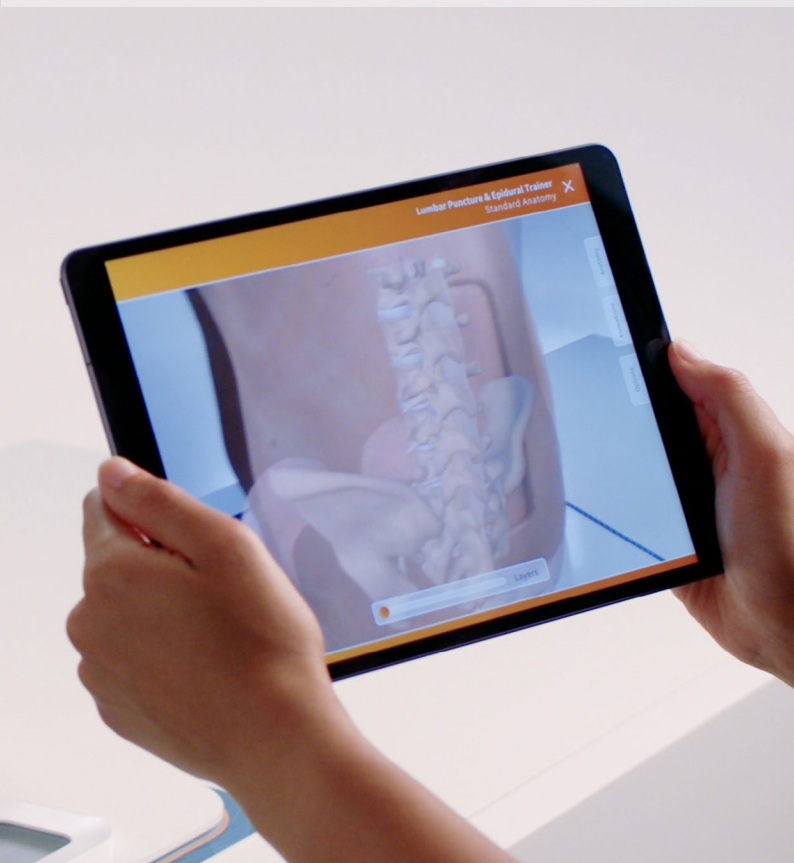
- Gaining an increased understanding of internal anatomy
- Increasing knowledge of procedures
- Understanding the anatomical differences in various pathologies

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

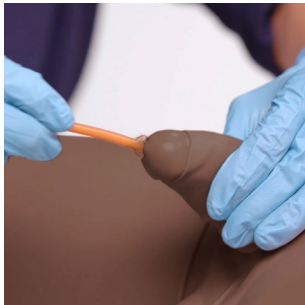


The Catheterisation Range facilitates the teaching of urethral and suprapubic catheterisation across all levels of training.

Interchangeable modules allow practice of the fundamental procedures of male and female urethral catheterisation, as well as more advance 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



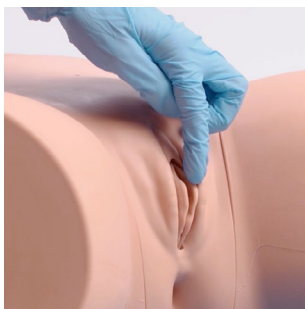
60850 60870

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

Retractable and removable foreskin.

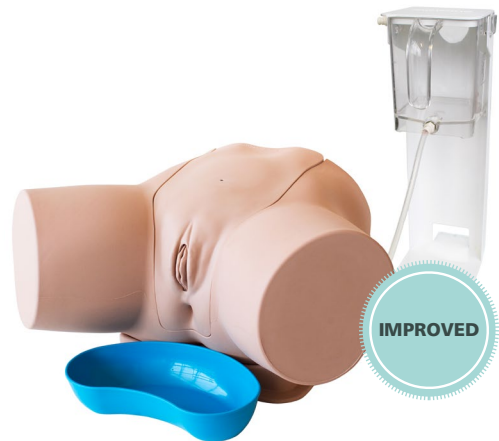


Female Catheterisation Trainer



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

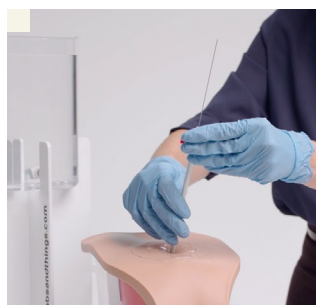
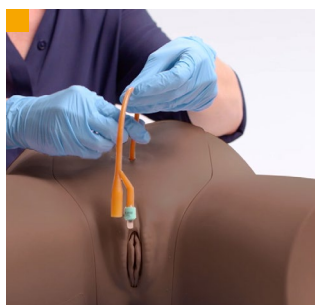
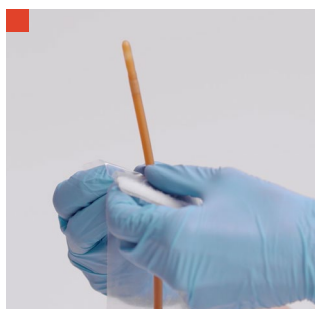
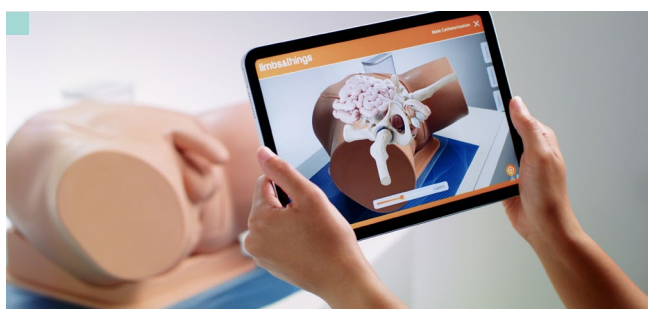
Optional module, designed for advanced skills training, allowing trainees to master ultrasound guided suprapubic catheterisation insertion.

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

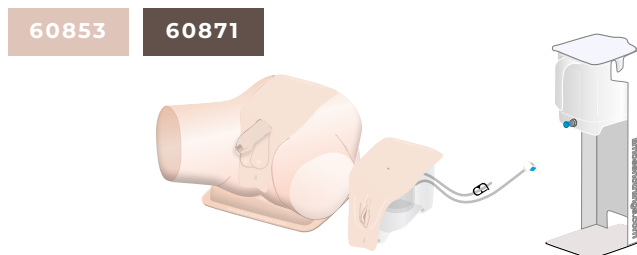
- Easily interchangeable male, female and suprapubic catheterisation modules
- Removable foreskin

SAFETY

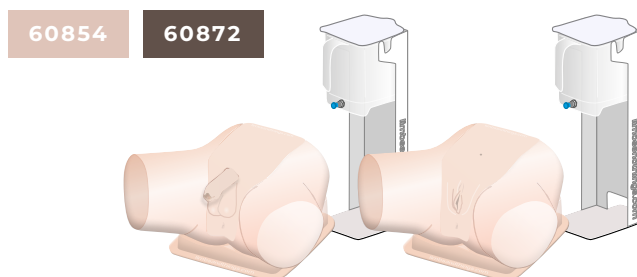
- Trainer is latex free (catheters provided contain latex)

* 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.



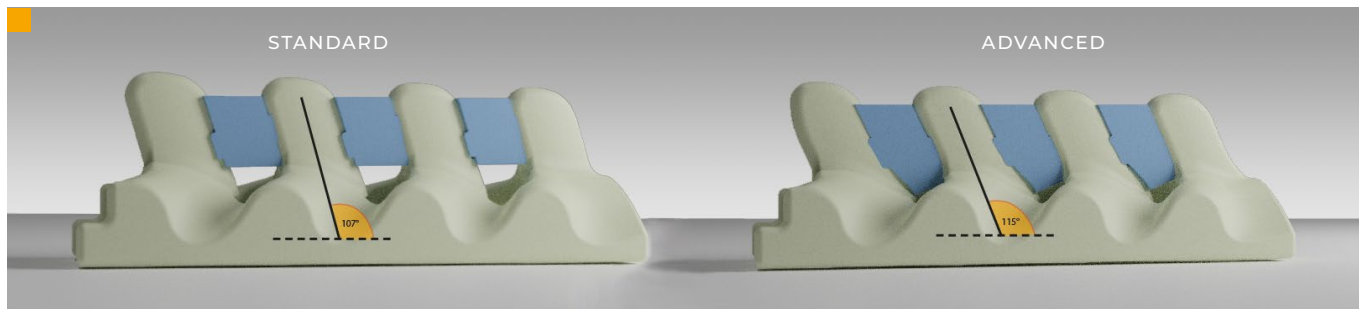
Ultrasound Epidural & Lumbar Puncture Model

- 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

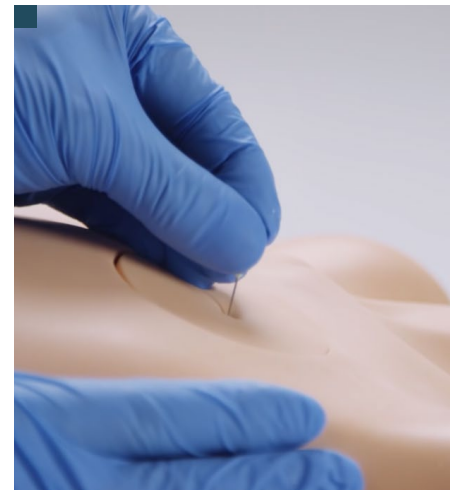
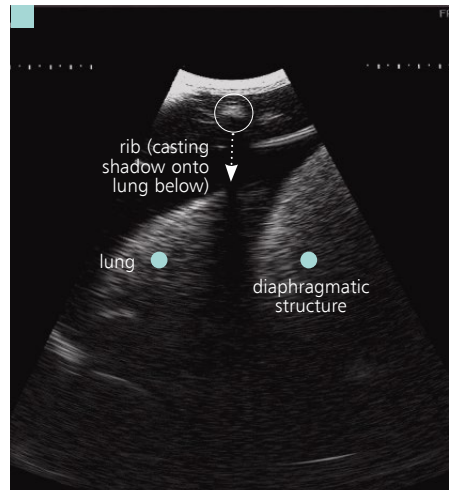
SAFETY

- Latex free

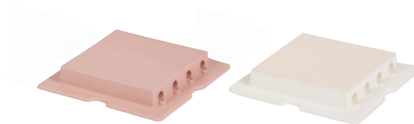
SKILLS

- 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	STANDARD
	60232	60234
	61232	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
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- 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

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.



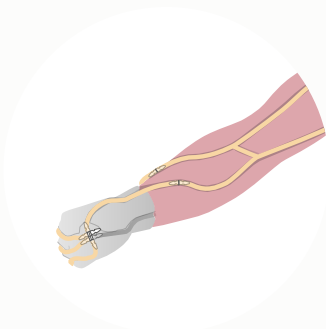
The patent pending* skin locking mechanism ensures the model is easy to re-skin whilst maintaining the lifelike haptics of the underlying and fully palpable basilic, cephalic and dorsal metacarpal veins.

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.

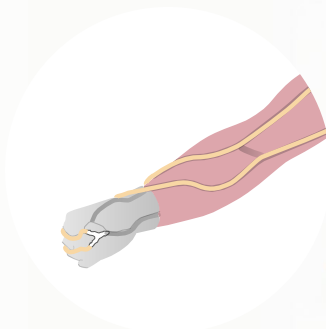


Basic Venepuncture Arm

70304

70305

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

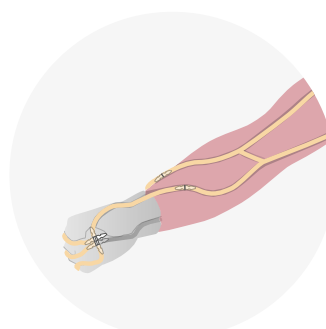


Advanced Venepuncture Arm

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

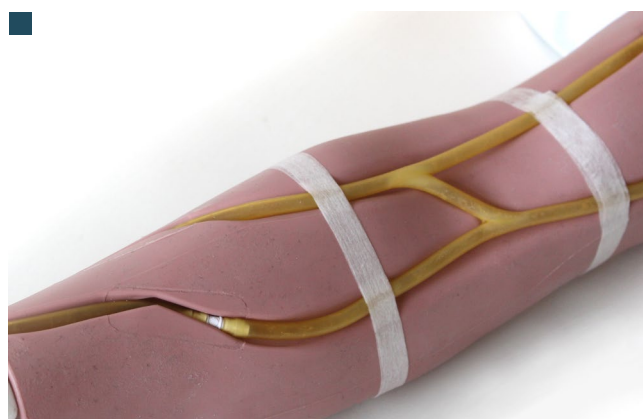
- Compatible with vacuum blood collection systems, needle & syringe, and IV cannulas
- Durable skin
- Extended tubing allows for simulated patient in a classroom setting
- Veins can withstand up to 500 stabs from a 21g needle
- Arm can be upgraded through purchase of modular veins and the Advanced Pressurised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

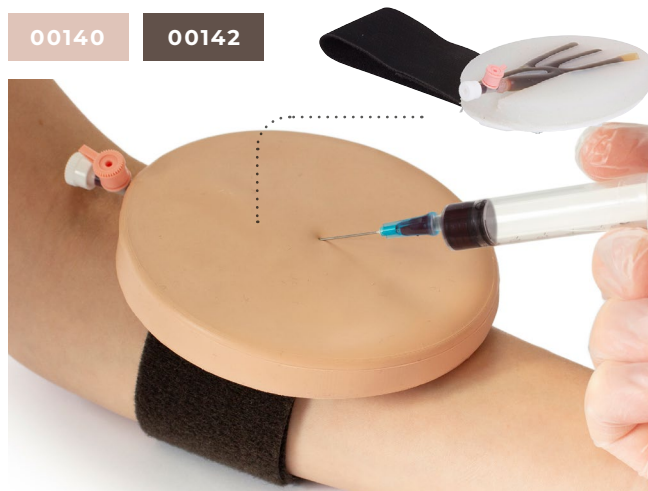
Multi-Packs available, please contact your L&T Representative for further details.

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

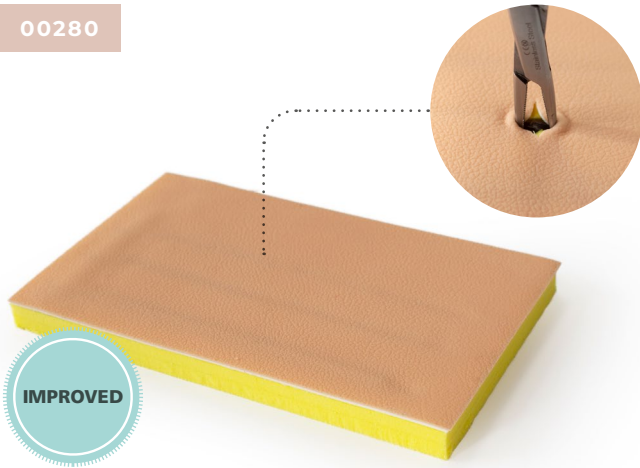
This soft tissue pad is supplied on a base for bench top training in venepuncture and insertion of cannulae. It represents the antecubital fossa of the right arm.

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

Concentrated Venous Blood

00020

STARTER PACK



00021

REFILL

The Concentrated Venepuncture Blood has been formulated to greatly improve the leak resistance of veins.

A synthetic solution dilutes to the correct colour and viscosity of venous blood. For some vacuum collection systems, you may wish to dilute further.

The Starter Pack offers value for money and enables the mock blood to be stored after use.

Makes 2.5 liters of mock blood. Non-staining.

WORKS WITH



Venepuncture Arm Range



Postpartum Haemorrhage Kit



Clean Bleed™ Mat

Mock Blood - Venous

00223

250ml of synthetic solution made to the correct colour and viscosity of venous blood.



Mock Blood - Arterial

60653

250ml of synthetic solution made to the correct colour and viscosity of arterial blood.



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

Ultrasound Vascular Access Trainer

60530



An echolucent and contoured slab with representation of the jugular vein for teaching needle insertion under ultrasound.

SKILLS

- Use of ultrasound technology
- Handling ultrasound transducers
- Insertion of needles under ultrasound guidance
- Handling and management of guidelines and catheters under ultrasound
- Recognition of vessels using ultrasound

QUALITIES

REALISM

- Echolucent material provides realistic ultrasound image

KEY FEATURES

- Vein is self-sealing for repeated use and rechargeable with water via a one-way valve
- Designed to be used on the bench top

VERSATILITY

- Fluid volume and pressure can be changed in the vessel to represent variability in patient circulation, providing various levels of difficulty for needle insertion

SAFETY

- Veins contain latex

WHAT'S INCLUDED

- Ultrasound Vascular Access Slab
- Ultrasound Vascular Access Vein
- Base
- 10ml syringe

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 & 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

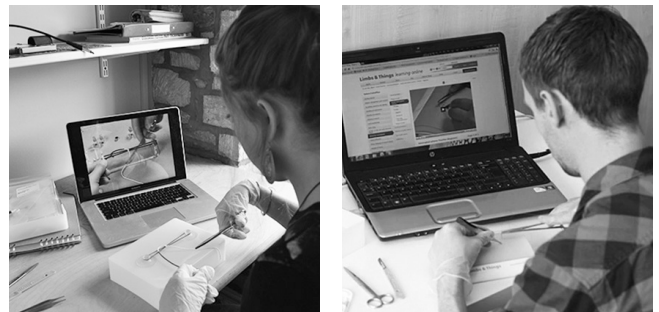
Hands-on Kit

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

✓
✓

✓
x

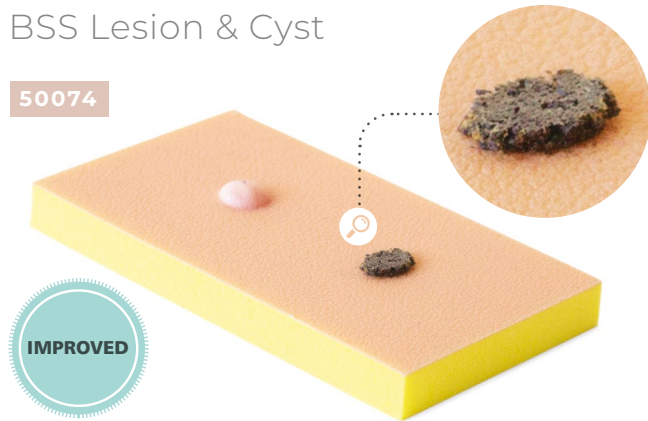
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One year Institutional Multi-User and Trainer Licences are also available - please contact Customer Service for details.

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.

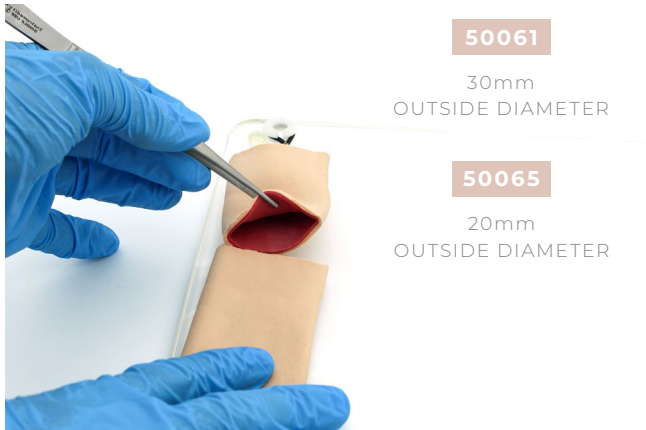
SKILLS

- 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

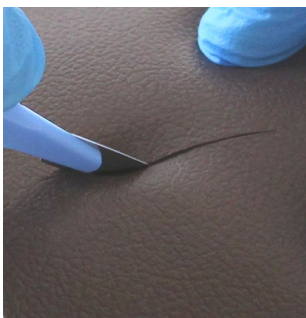
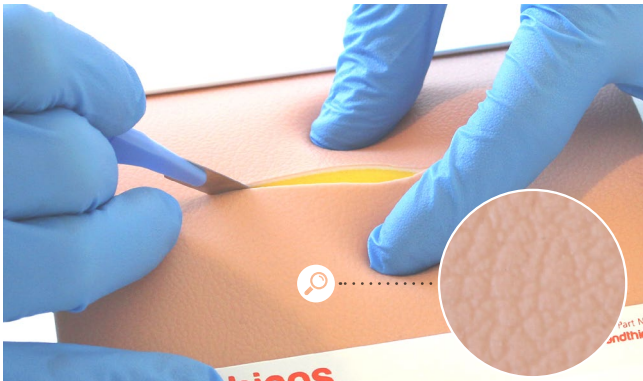
00093

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

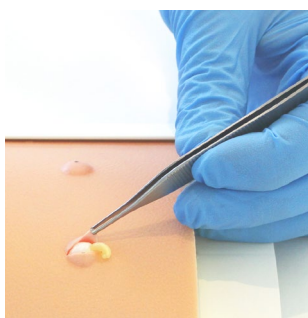
- Use with the Skin Pad Jig Mk 3 (00550)

SAFETY

- Latex free

Sebacous 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

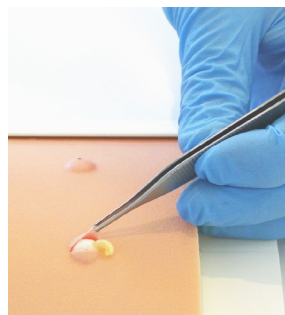
- Use with the Skin Pad Jig Mk 3 (00550)

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)

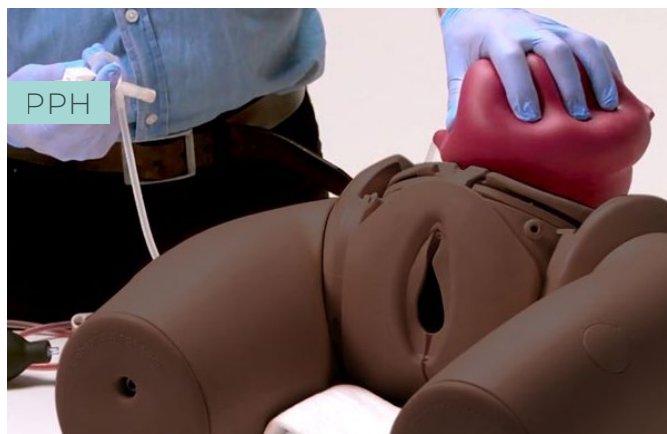
BIRTHING SIMULATOR - PROMPT FLEX RANGE

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.

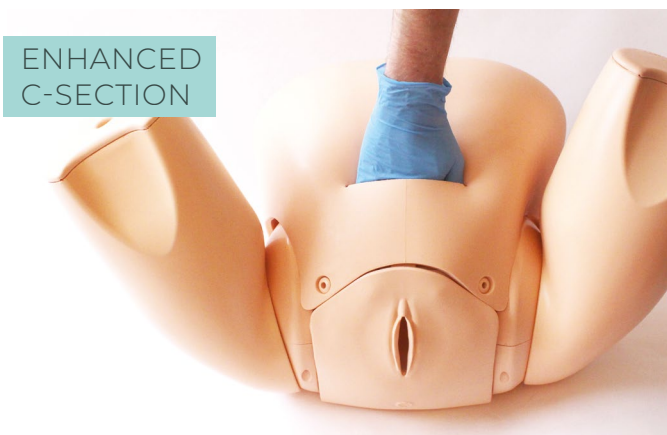


PPH

CERVICAL DILATATION & EFFACEMENT



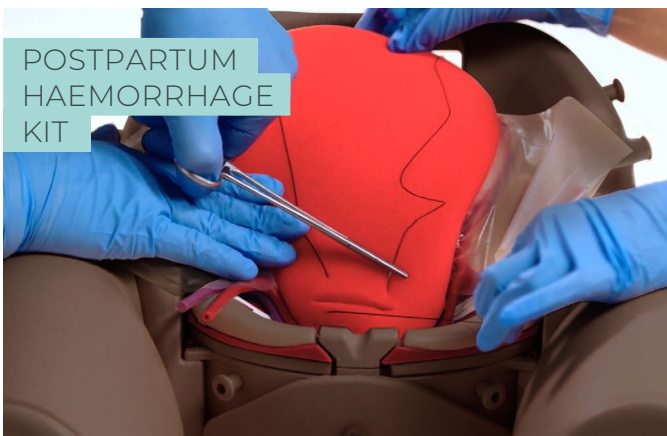
ENHANCED C-SECTION



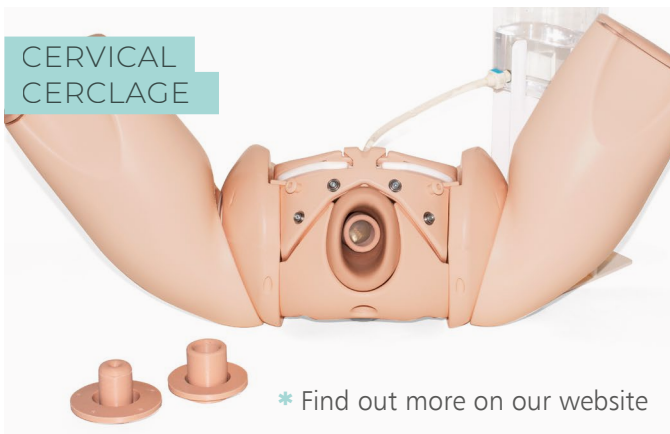
ASSISTED VAGINAL BIRTH



POSTPARTUM HAEMORRHAGE KIT



CERVICAL CERCLAGE



* Find out more on our website

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

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 & Effacement Module (CD&E) - PROMPT Flex

80102

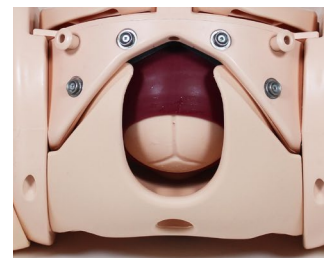
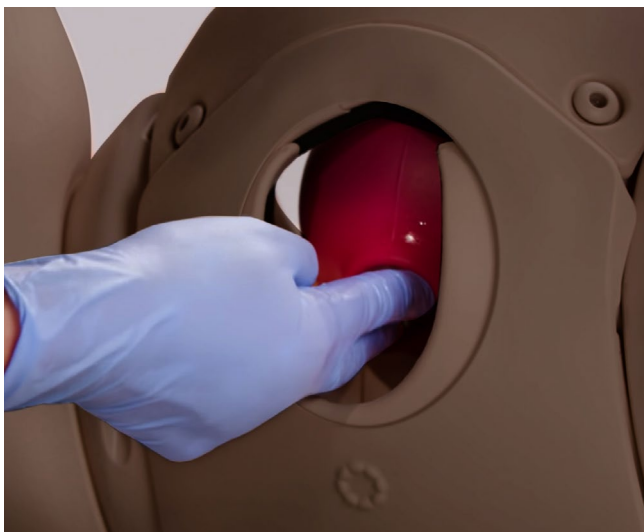
80202

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

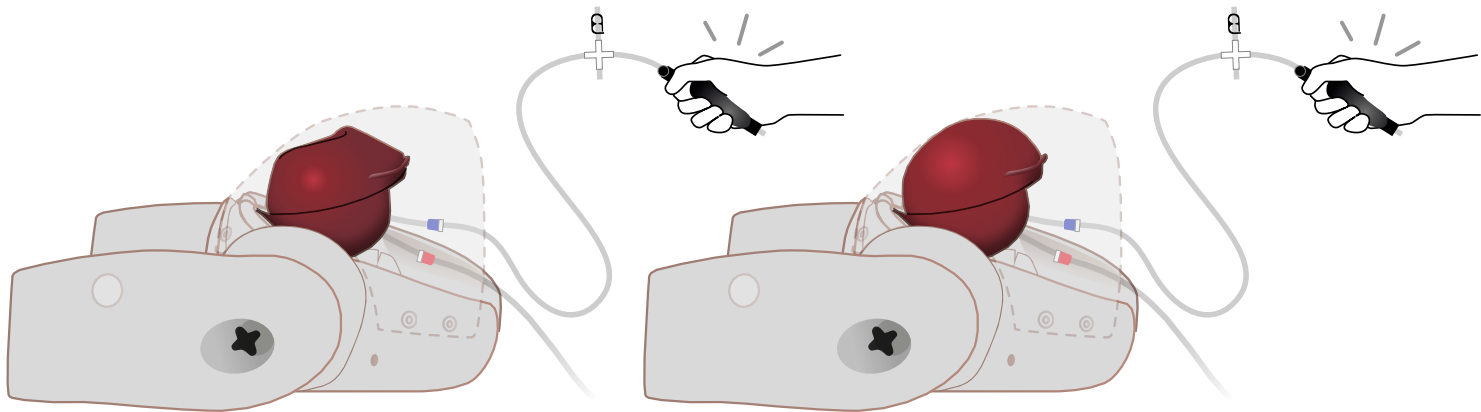
Postpartum Haemorrhage Module (PPH) - PROMPT Flex

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

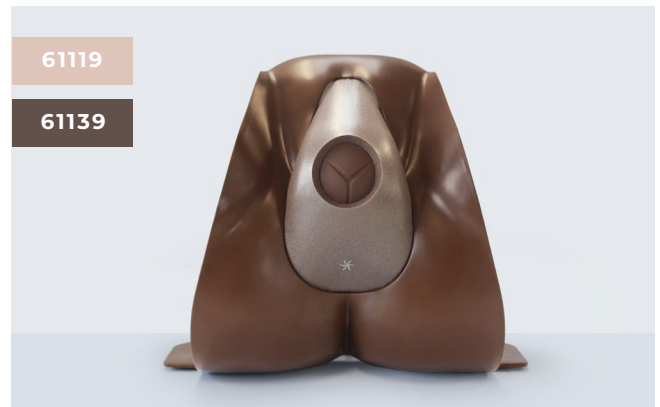
VERSATILITY

- 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

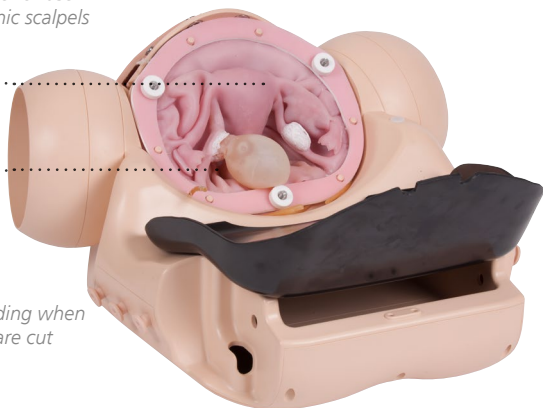
Surgical Female Pelvic Trainer (SFPT) Mk 2

60251

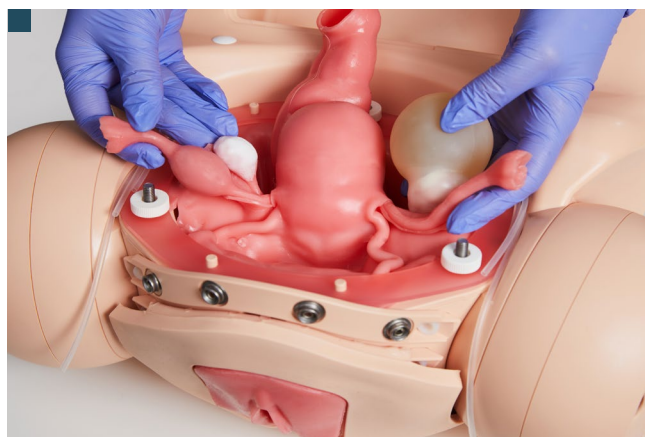
A simulator for training in a wide range of laparoscopic gynaecological surgical techniques and procedures. The uterus component can be easily removed and replaced after use.

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

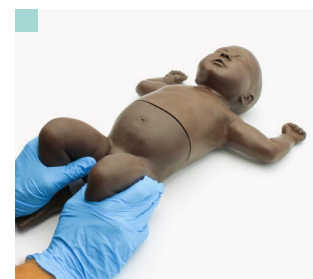


Illustration of internal hips and how they present in the model
 Barlow manoeuvre
 Galeazzi sign

WHAT'S INCLUDED

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

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

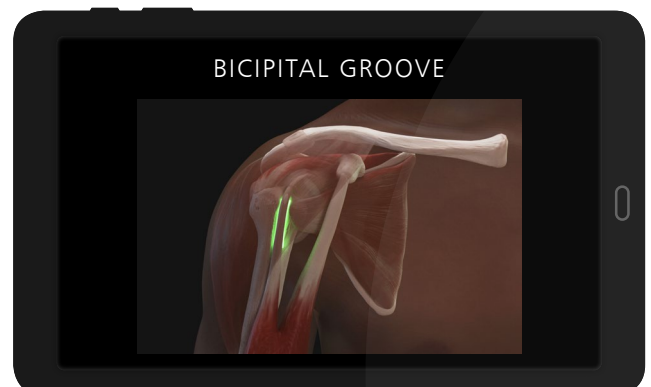
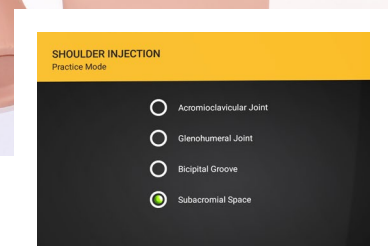
Needle Set

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

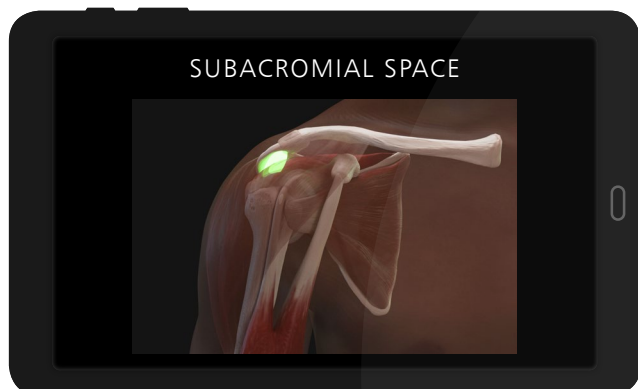
70221



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)

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

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

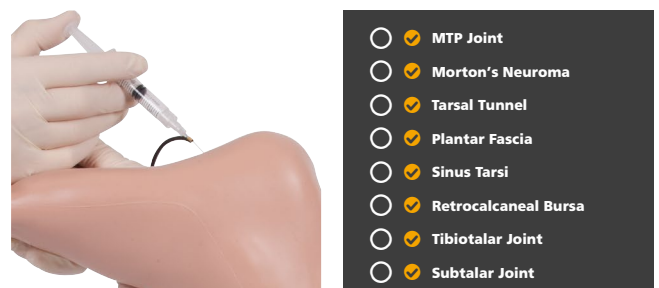
Foot & Ankle for Joint Injection



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.

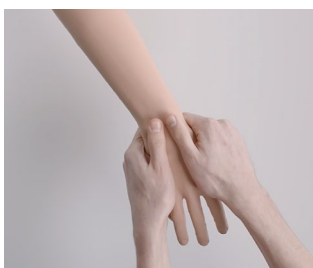
An adjustable tension mechanism allows trainers to alter the difficulty of the procedure for advanced learning.



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

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 EO001	EOSIM ELITE EO003	EOSIM INSTITUTION EO008	EOSIM INSTITUTION PLUS EO009
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.

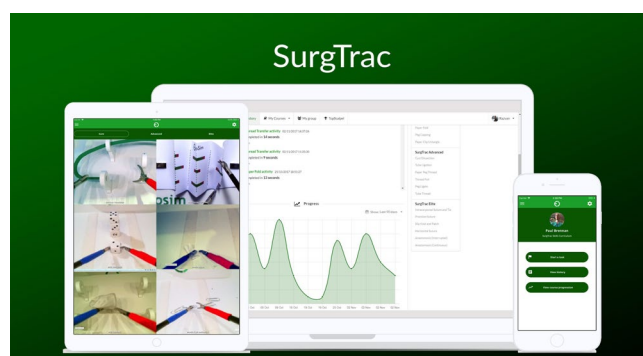
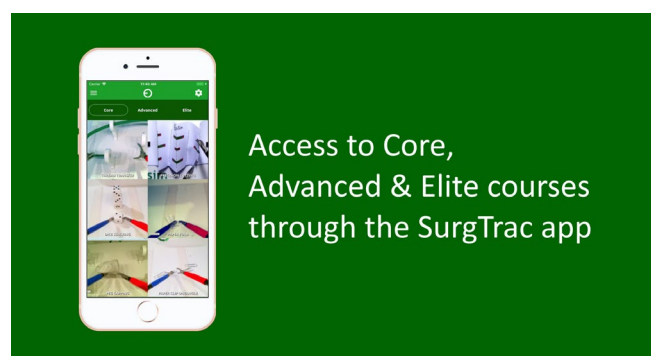
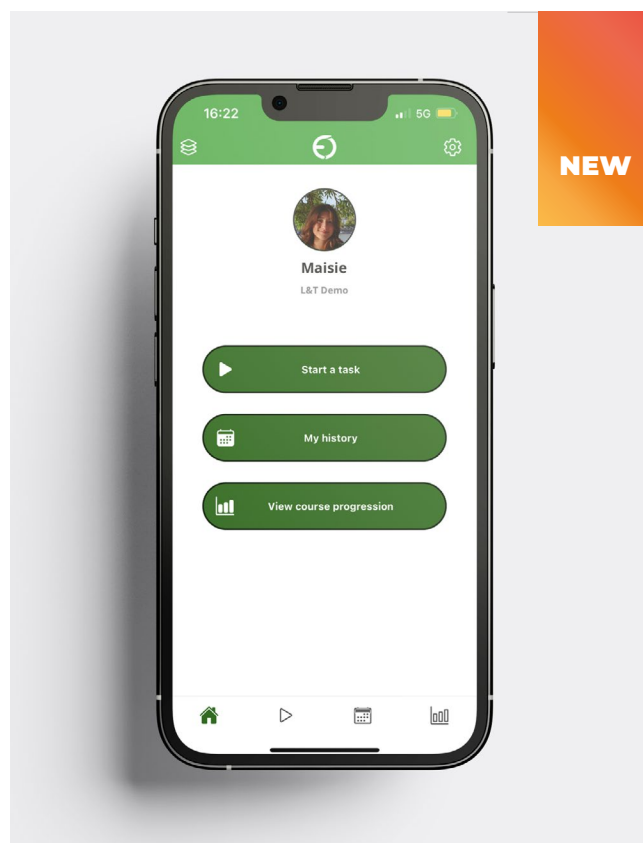
QUALITIES

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

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



■ PICC line Insertion
■ IV access

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



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

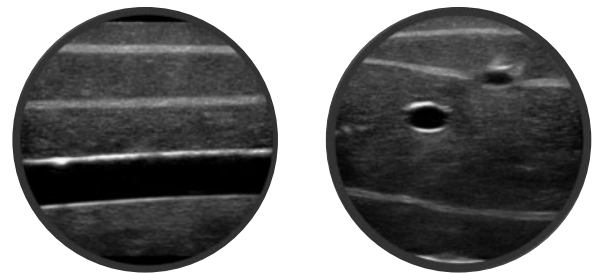
TruIV Block

TCTIV100

TCTIV100DS




The TruIV Block allows learners to gain proficiency in the skills associated with IV cannulation. Featuring 8 veins (superficial and deep) ranging from 4-8mm in diameter, users can practise the use of ultrasound during IV procedures. This easy to set up model is realistic and durable allowing for approximately 4000 needles before needing to be replaced.



SKILLS

- The use of ultrasound when performing IV procedures
- Probe positioning and movement within soft responsive tissue

QUALITIES

ANATOMY

- Features 8 veins; 4 superficial and 4 deep, ranging from 4-8mm in size

REALISM

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

KEY FEATURES

- Ability to withdraw blood provides trainees with positive feedback
- Longitudinal and transverse anatomical viewing options
- Self-regenerating TruUltra materials reduce the appearance of needle tracks to facilitate repeated practice
- Can be set up in less than five minutes
- Easily transportable

WHAT'S INCLUDED

TruIV Block unit (TIV100)

USB pen drive user manual

60ml syringe

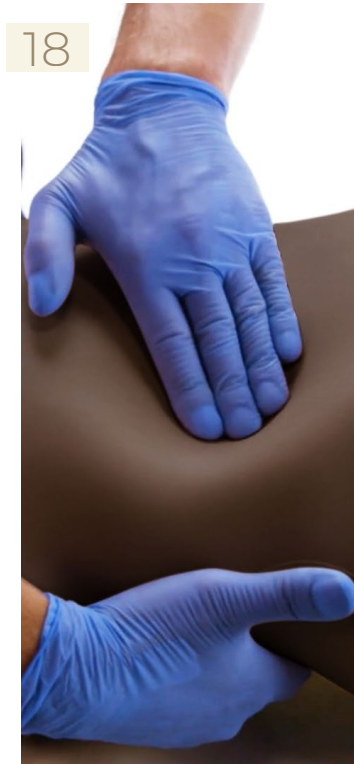
UNDERGRADUATE MEDICINE

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

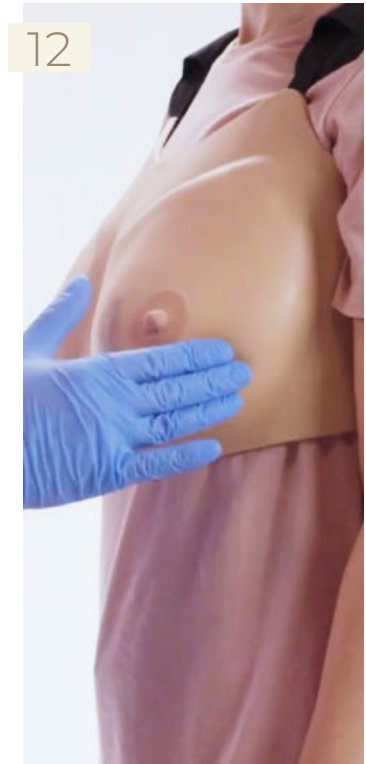
MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



BREAST EXAMINATION



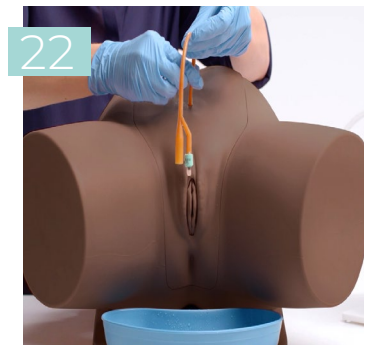
FEMALE PELVIC EXAMINATION



MALE PELVIC EXAMINATION



CATHETERISATION



VENEPUNCTURE



INJECTIONS



BASIC SURGICAL SKILLS



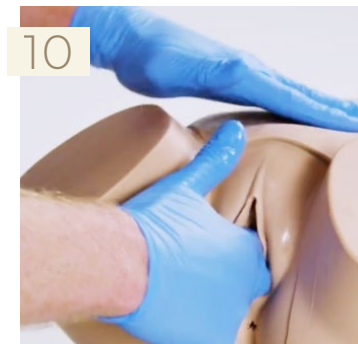
NURSE TRAINING

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



PELVIC EXAMINATION



BREAST EXAMINATION



MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



VENEPUNCTURE



CATHETERISATION



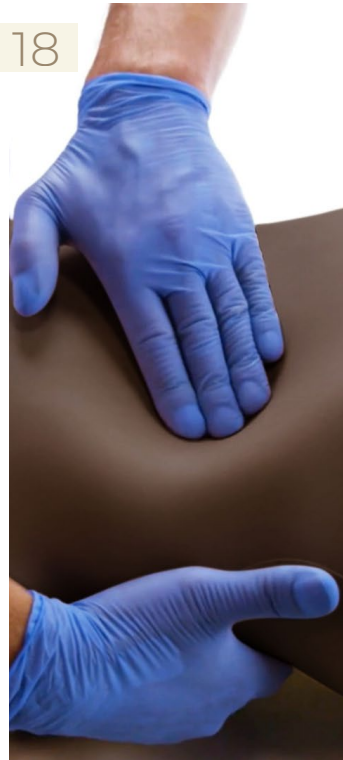
OSCE TRAINING

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.

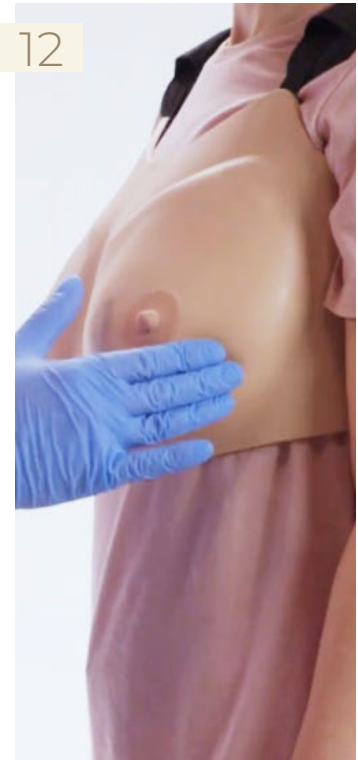
MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



BREAST EXAMINATION



PELVIC EXAMINATION



VENEPUNCTURE



CATHETERISATION



LUMBAR PUNCTURE & EPIDURAL



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.

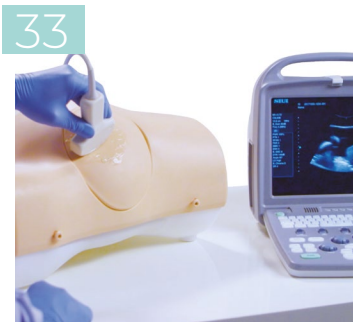
SUPRAPUBIC CATHETERISATION



ULTRASOUND EPIDURAL



PARACENTESIS TRAINER



CHEST TRAUMA MANAGEMENT



TRUNERVE BLOCK



SHOULDER - ULTRASOUND GUIDED



KNEE - ULTRASOUND CAPABILITY



ULTRASOUND VASCULAR ACCESS



ULTRASOUND GUIDED PICC



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GENERAL INFORMATION



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- All orders should be confirmed in writing (by email or post)
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Product changes

As we have a policy of continual product improvement, the specification of products may occasionally vary from those shown in the catalogue.



Warranty

The Limbs & Things products featured in this catalogue are produced with the utmost care and are covered by our Guarantee. This applies to all models that have been used according to the user guide supplied and covers functionality and durability. Please see full details on limbsandthings.com/uk/warranties

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