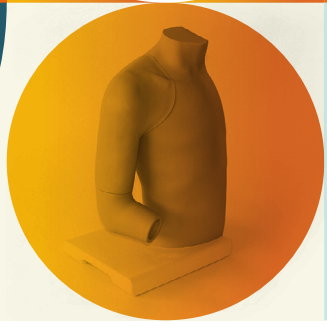
limbs & things

UK CATALOGUE 2023



limbsandthings.com

It has been such a joy to work with you, our customers, and with you, our prospective customers, during 2022.
Thank you.

We find that you have bounced back from the pandemic with strength, optimism, and vision; it makes our job of supplying simulators that support your needs that much more straight forward.

Best wishes from all of us for 2023.

Limbs & Things President

SONOS
Weller

impact
limbs&things
Limbs & Things

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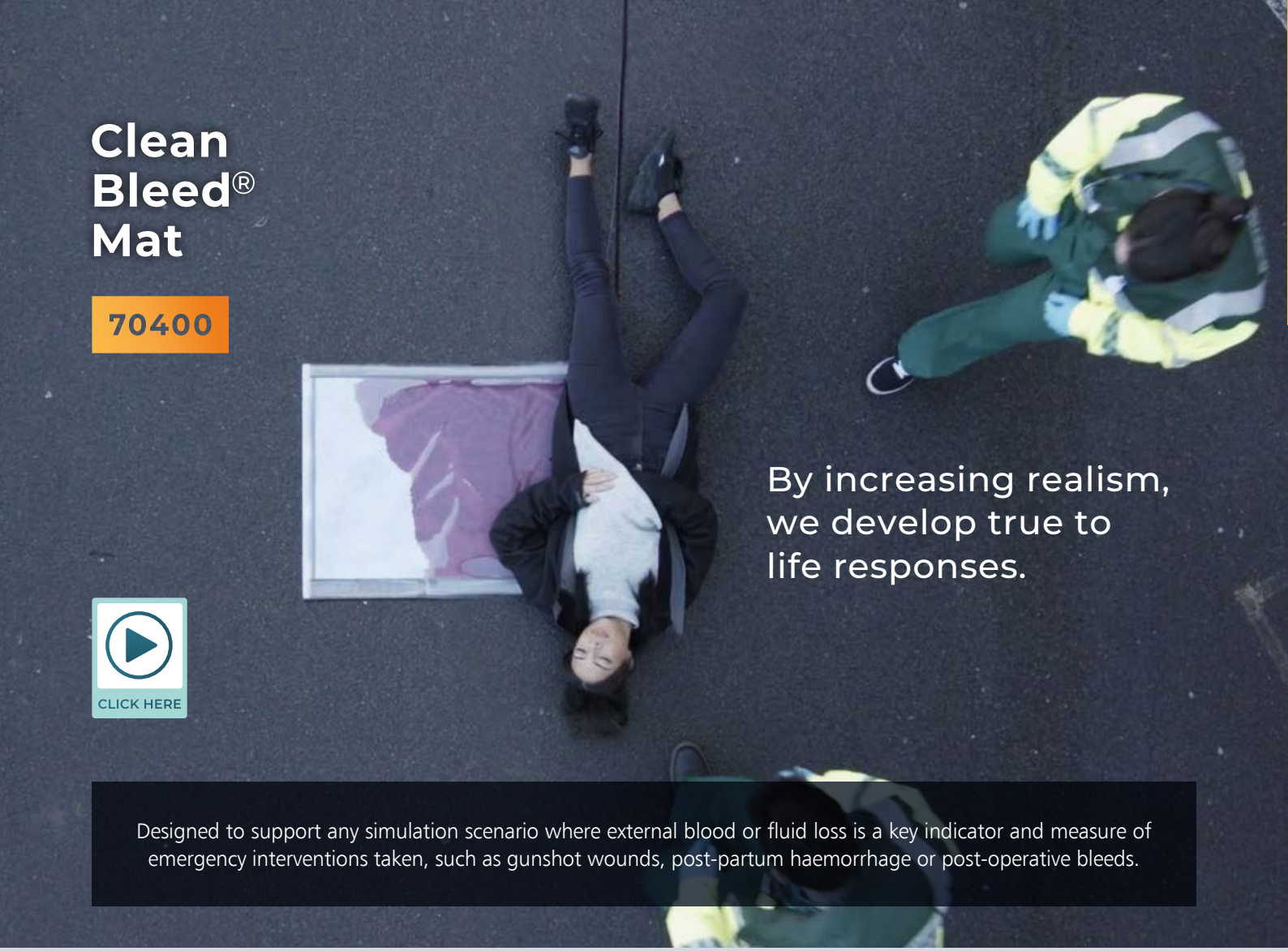
Clean Bleed® Mat

70400

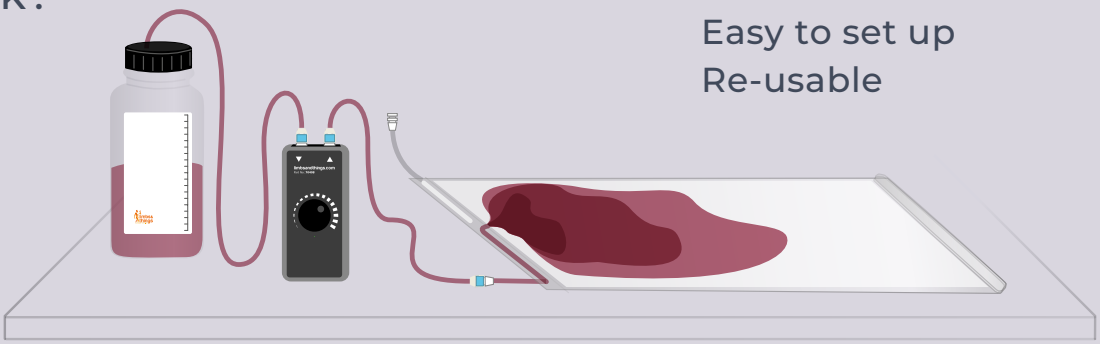


By increasing realism, we develop true to life responses.

CLICK HERE

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

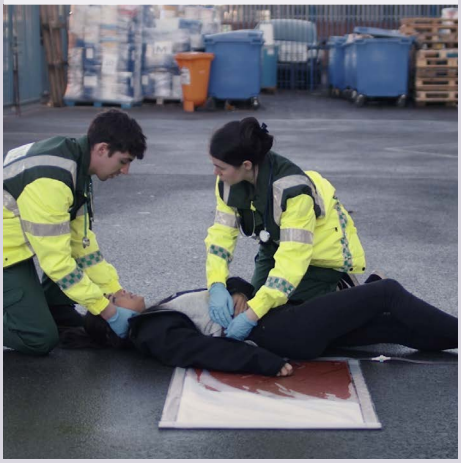
SKILLS

- 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)

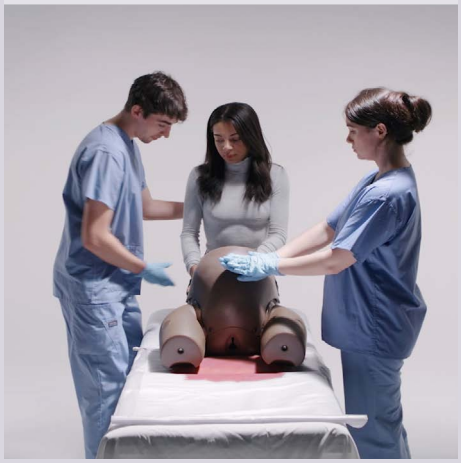
The **Clean Bleed® Mat** is independent of any training system and can be used alongside both simple and complex training models (as well as simulated patients) for use in simulation.

Designed to support different scenarios

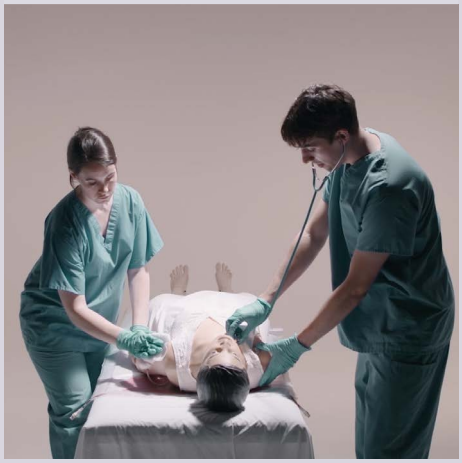
Simulated Patient



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) Mk 3 - Standard & Advanced

CLICK HERE

STANDARD

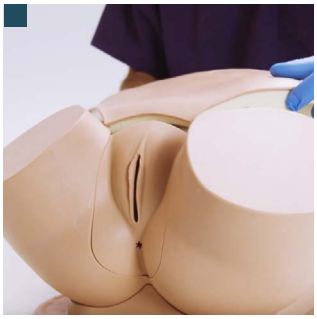
60900 **60930**

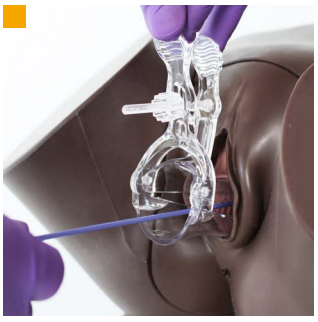
The CFPT Mk 3 is an anatomically accurate and tactile representation of the female pelvis. It is the ideal platform for hands-on examination as well as diagnosis of female conditions and minor pathologies. It can be used for many levels of training from undergraduate onwards, as well as in family health.

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





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

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

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

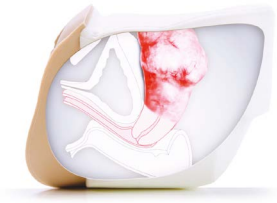
- Skin surface is washable using soap and water

ADVANCED

60905 **60935**

60920 | 60937

MODULE 1
Normal - Nulliparous Cervix



60921 | 60938

MODULE 2
Large Fibroid - Nulliparous Ectropion Cervix

60922 | 60939

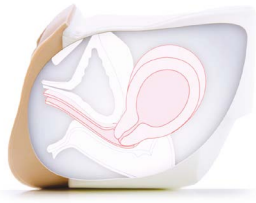
MODULE 3
Small Fibroid - Nulliparous Polyp Cervix

60923 | 60940

MODULE 4
Ovarian Cyst - Multiparous Cervix

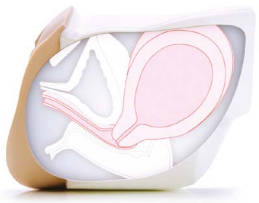
60924 | 60941

MODULE 5
Retroverted - Multiparous Cervix



60925 | 60942

MODULE 6
10-12 Weeks Pregnant



60926 | 60943

MODULE 7
14-16 Weeks Pregnant

WHAT'S INCLUDED

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

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

Breast Examination Trainer - Advanced, Standard & Basic

ADVANCED

40201 | 41201

STANDARD

40200 | 41200

CLICK HERE

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 **OSCE**s.

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 predetermined 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

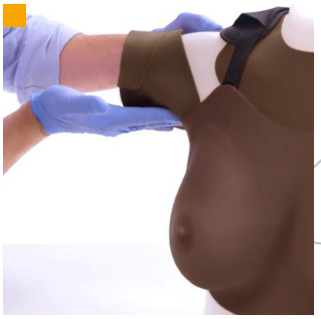
SAFETY

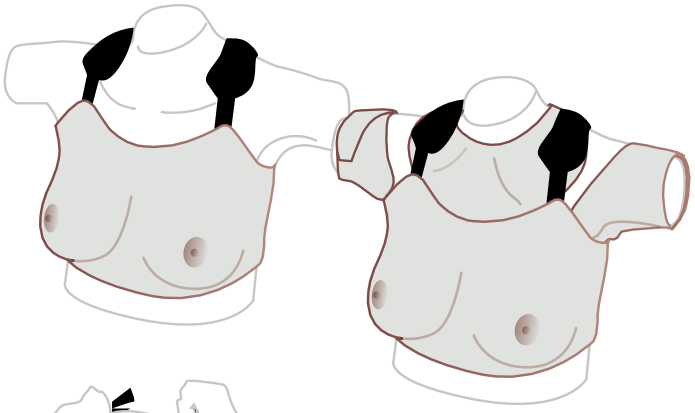
- Latex free

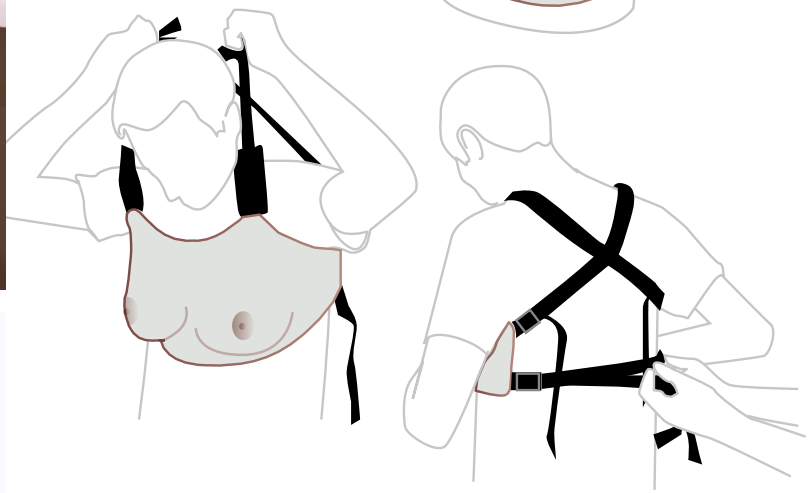
CLEANING & CARE

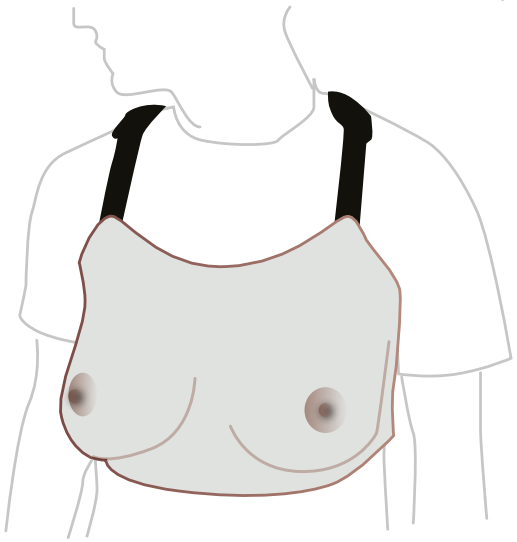
- Skin surface is washable using soap and water

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

CLICK HERE

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 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

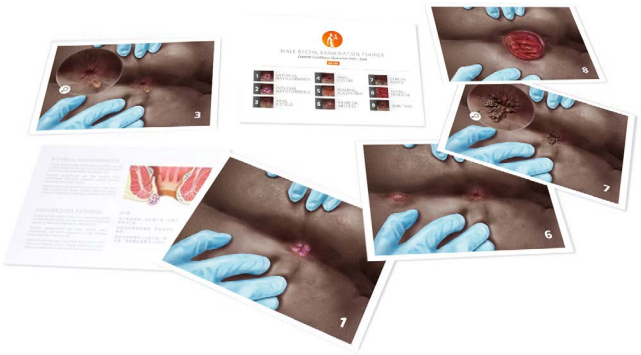
- Trainer can also be presented in 'semi-standing' position using the optional **Standing Position Stand** (60172)

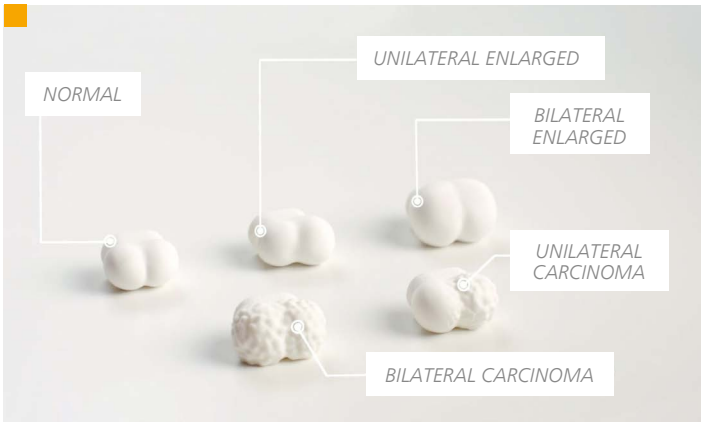
SAFETY

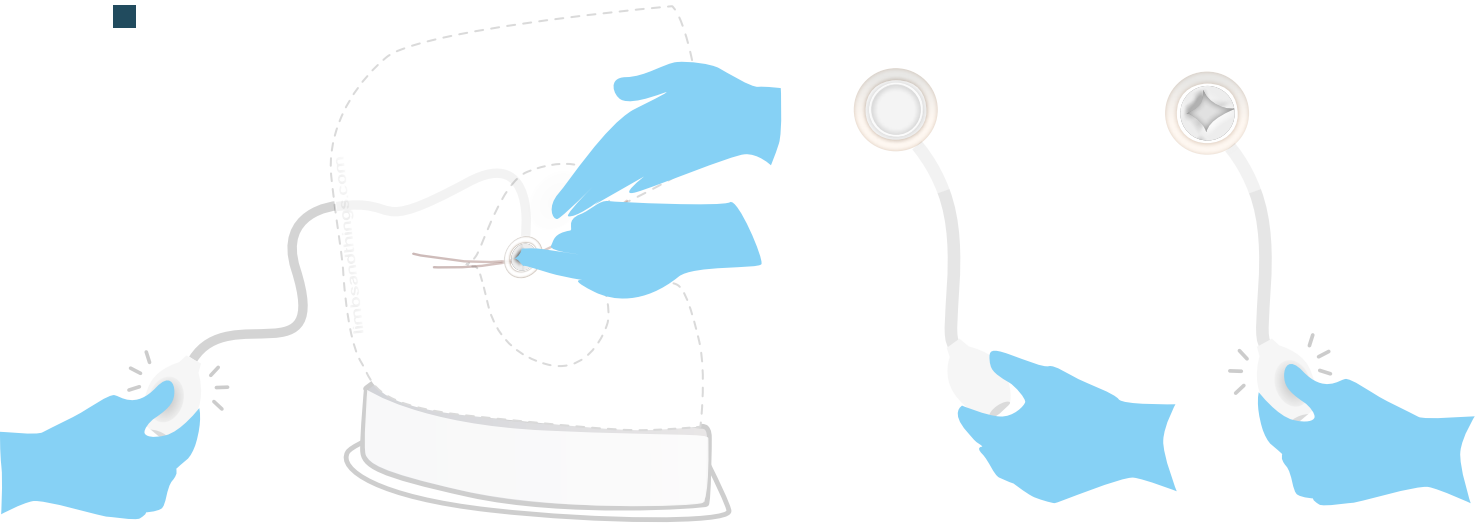
- Latex free

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 Anal Tone	×	✓
Normal Prostate	✓	✓
Benign Unilateral Enlarged Prostate	×	✓
Benign Bilateral Enlarged Prostate	×	✓
Unilateral Carcinoma Prostate	×	✓
Bilateral Carcinoma Prostate	×	✓
Impacted Faecal Matter	✓	✓
External Conditions Illustration Pack	×	✓
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**

CLICK HERE

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

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

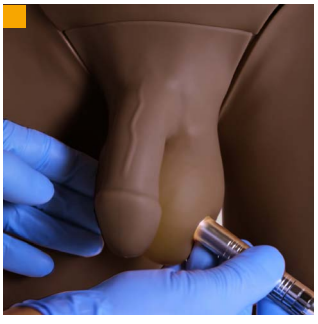
Validated in the *Journal of Surgical Education*
Volume 74, Issue 3, May–June 2017.

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

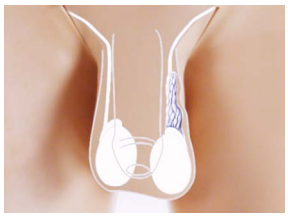
- Skin surface is washable using soap and water

ADVANCED

60951 | **60965**

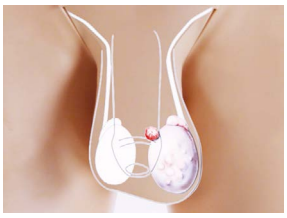
60952 | **60966**

MODULE 1
Normal



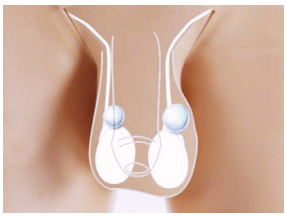
60953 | **60967**

MODULE 2
Varicocele



60954 | **60968**

MODULE 3
Testicular Tumours & Penile Cancer

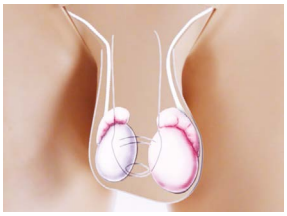


60955 | **60969**

MODULE 4
Epididymal Cysts

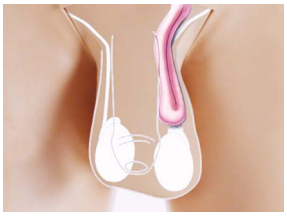
60956 | **60970**

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	×	✓
CMPT Module 3: Testicular Tumours & Penile Cancer	×	✓
CMPT Module 4: Epididymal Cysts	×	✓
CMPT Module 5: Hydrocele	×	✓
CMPT Module 6: Orchitis/Epididymo-orchitis	×	✓
CMPT Module 7: Indirect Inguinal Hernia	×	✓
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	×	✓
Carry case	✓	✓(x2)

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

Abdominal Examination Trainer

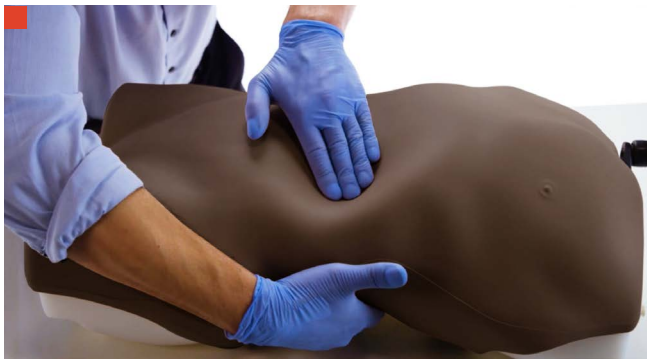
60000 **60054**

CLICK HERE

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.

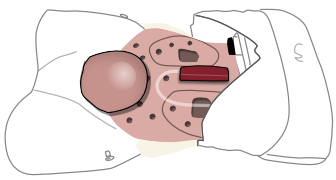


SKILLS

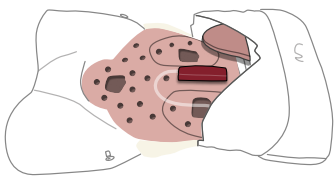
- Familiarity with the abdominal regions and underlying anatomy
- Practice in abdominal palpation, auscultation and percussion
- Ability to differentiate normal from abnormal anatomy
- Identification of ascites, specifically shifting dullness and fluid thrill
- Identification of gaseous distension and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

SET-UP EXAMPLES FOR SCENARIOS

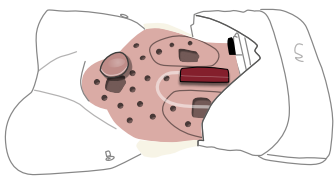
ACUTE URINARY RETENTION - BLADDER



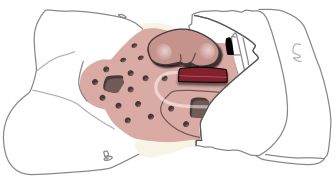
SLIGHTLY ENLARGED LIVER



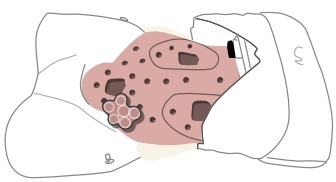
OVARIAN CYST - SMOOTH SOFT MASS



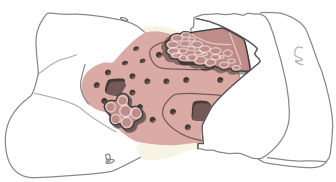
ENLARGED KIDNEY



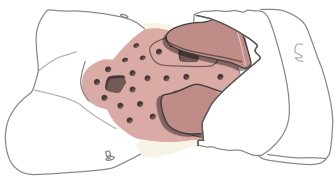
CARCINOMA ON MASS IN LEFT ILIAC FOSSA



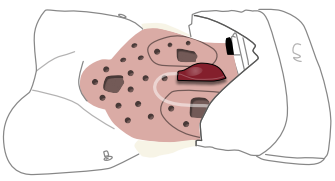
CARCINOMA WITH LIVER METASTASIS

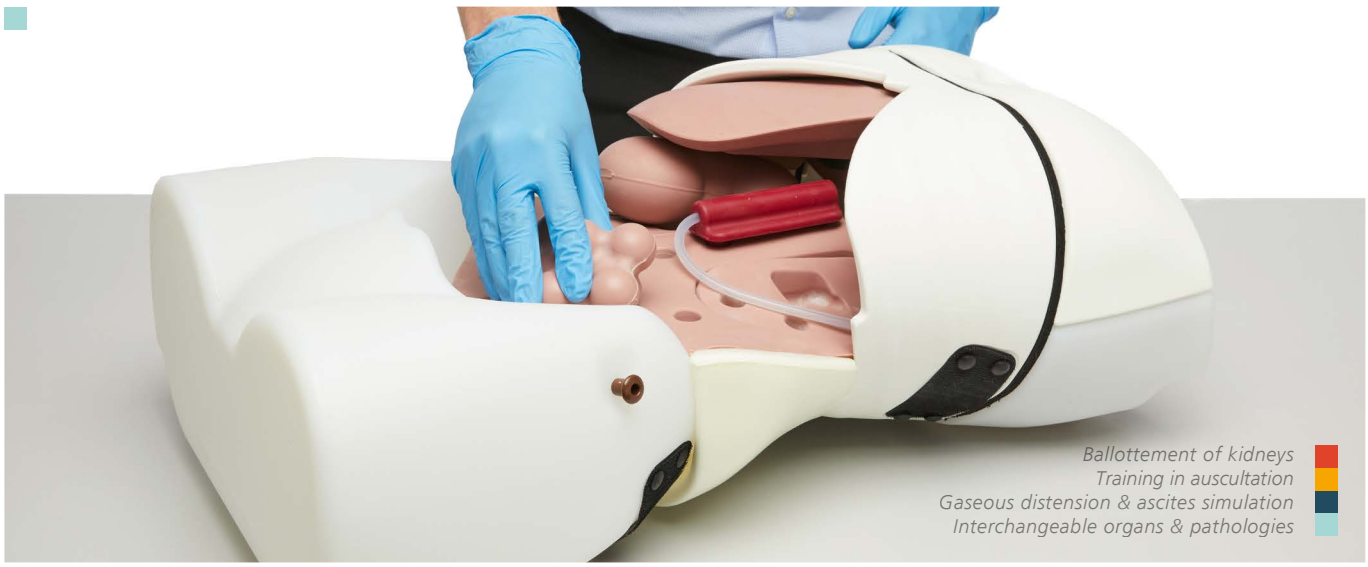


LYMPHOMA



AORTIC ANEURYSM





QUALITIES

REALISM

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

VERSATILITY

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

KEY FEATURES

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

SAFETY

- Latex free

CLEANING & CARE

- Skin surface is washable using soap and water

ANATOMY

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

WHAT'S INCLUDED

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

Eye Examination Simulator

KKM82

KKM82D

KYOTO KAGAKU

A realistic trainer for teaching and practising the use of an ophthalmoscope, examining the ocular fundus and identifying diseases and conditions within the eye.

Various cases can be set up for trainees using combinations of slides, depth and pupil diameter. Soft and supple material allows hands-on simulation of real examination procedures, such as raising the eyelid.

Head is mounted on a sturdy lightweight plastic base.

QUALITIES

ANATOMY

- Head, neck and shoulders
- Eyeballs with lenses
- Eyelids

REALISM

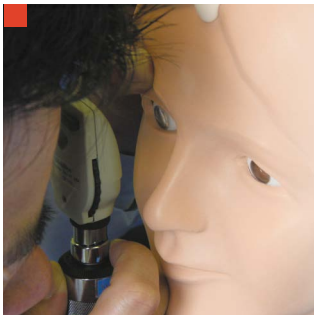
- Lens-equipped eyeballs reproduce a realistic visual axis and view of eyegrounds
- Soft and supple material allows hands-on simulation of raising the eyelids

KEY FEATURES

- Unique set of image-processed slides taken from real cases provide a highly realistic 3D perspective
- 3-step pupil diameter variations (2.0mm, 3.5mm, 5.0mm)
- 3-step depth setting slide locator simulates hyperopic, normal and myopic views
- Red reflex
- 10 common diseases/conditions:
  - Normal eyeground
  - Hypertensive retinopathy: arteriolar vasoconstriction grade 3, arteriolosclerosis grade 1, haemorrhages and cotton wool spots, simple vein concealment
  - Simple/background diabetic retinopathy: microaneurysm, haemorrhages and hard exudates
  - Papilloedema (chronic phase)
  - Papilloedema (acute phase)
  - Glaucomatous optic atrophy: glaucomatous optic disc cupping and nerve fibre defect
  - Retinal vein occlusion (acute phase): flame-shaped haemorrhage and cotton wool spots
  - Retinal vein occlusion (after retinal laser photocoagulation)
  - Toxoplasmosis: retinochoroiditis
  - Age-related macular degeneration: macular exudates and subretinal haemorrhage

SKILLS

- Use of an ophthalmoscope (not supplied)
- Examination technique
- Identification of up to 90 cases
- Communication skills



The wheel on the forehead adjusts the pupil diameter
Remove back of head to change slides & the depth of the fundus
Slide: Simple/background diabetic retinopathy
Slide: Retinal vein occlusion

WHAT'S INCLUDED

Ocular Fundus Slides (Set of 10)
Manikin head & shoulders
Slide holder
Carry case

Ear Examination Simulator II

KKMW12

KKMW12D

KYOTO KAGAKU

A life-size model of the ear including external acoustic meatus and tympanic membrane, for training in examination of the ear with an otoscope and foreign body removal. It offers two modes of use: instructor mode, which is particularly useful for OSCE or skills examination, and self-learning mode.

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

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

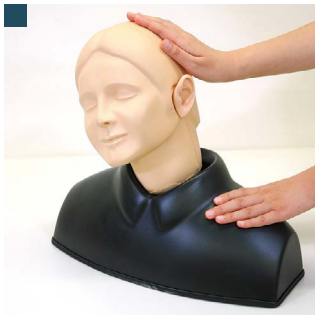
- Warning against painful insertion with or without beep
- 9 major clinical cases are prepared:
  - Normal
  - Serous otitis media (SOM)
  - Mucoid otitis media (MOM)
  - Chronic otitis media with perforation
  - Acute suppurative otitis media (AOM)
  - Cholesteatoma
  - Tympanosclerosis
  - Traumatic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

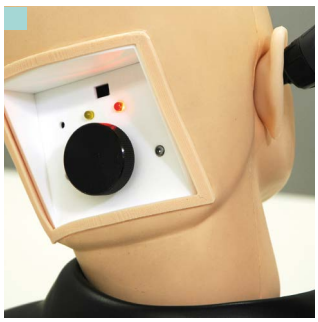
VERSATILITY

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

SKILLS

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





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

WHAT'S INCLUDED

Manikin head & shoulders

4 Pairs of ear units:
- Examination ear (normal)
- Examination ear (stenosis)
- Foreign body ear (normal)
- Foreign body ear (stenosis)

Foreign body removal kit

Carry case

"Physiko Plus" Physical Assessment Simulator

KYOTO KAGAKU

KKM55C

Allowing a complete physical examination, the model teaches students to anticipate, describe and identify physical examination findings.

New modules with contrasting scenarios have been developed in collaboration with the University of Illinois at Chicago.

Physiko features 12 pre-set examples of outpatients designed to cover typical complaints, facilitating training in assessment procedures, assessment skills as well as hands-on knowledge regarding important abnormal findings. You can also create patients that address the unique needs of your local curriculum.

SKILLS

- Assessment procedures and skills for abnormal findings
  - Pupillary reflex assessment
  - Blood pressure measurement
  - Auscultation of breath, heart and bowel sounds

WHAT'S INCLUDED

- Life-size manikin
- Laptop PC
- Terminal box
- Sphygmomanometer unit
- EKG electrodes unit
- Set of clothes

QUALITIES

ANATOMY

- 12 pre-set typical outpatient complaints
- Can be adapted to specific curriculum needs

REALISM

- Physical Examination Skills Training mode features:
  - 4 pupillary reflex conditions: normal, pupillary dilation, pupillary constriction, bilateral asymmetry
  - Blood pressure can be set as required
  - 8 breathing auscultation sounds: normal lung, weak left lung, absent in the right lung, bronchial breathing, coarse and fine crackles, wheezes, rhonchi
  - 18 heart auscultation sounds: S2 split absent, S2 split present, S3 and S4 gallop, innocent murmur, aortic stenosis, mitral regurgitation and stenosis, aortic regurgitation, sinus tachycardia and bradycardia, atrial fibrillation and flutter, premature ventricular contraction (single), ventricular flutter and fibrillation, cardiac sound regulation
  - 5 bowel auscultation sounds: normal, increase, decrease, subileus, ileus
  - 10 EKG simulations: normal, atrial fibrillation and flutter, premature ventricular contraction, ventricular techycardiaileus, ventricular flutter and fibrillation, myocardial infarctions at acute, subacute and chronic stages

VERSATILITY

- System has 3 modes:
  - Physical Assessment Mode 1 - pre-set patient cases
  - Physical Assessment Mode 2 - editor mode using supplied data to create new scenarios
  - Physical Examination Skills training - hands-on training asymmetry
- Physical Assessment Mode includes:
  - Chest Pain:
    - Male: 58 yr with Myocardial Infarction
    - 55 yr with Dissecting Aortic Aneurysm
    - 28 yr with Intercostals Muscle Ache
    - Female: 76 yr with Lung Infarction
  - Abdominal Pain:
    - Male 19 yr with Diarrhea
    - Female: 26 yr with Ileus Pain
  - Unconscious:
    - Female 36 yr with Brain Hypertension
  - Shortness of Breath:
    - Male: 66 yr with Chronic Obstructive Lung Disease
    - 70 yr with Pulmonic Fibrosis
    - 73 yr with Heart Failure
    - Female: 84 yr with Pneumonia
    - 21 yr with Anemia

SAFETY

- CE Certified
- Latex free

CLEANING & CARE

- Washable using soap and water

SAM 3G - Student Auscultation Manikin

NON-ENHANCED

CD718-8800 CD718-8900

ENHANCED

CD718-8802 CD718-8902

SAM 3G is an adult auscultation manikin, ideal for teaching users to identify an extensive range of lifelike heart, breath, bowel and bruit sounds.

SAM 3G Enhanced includes additional software features.

SKILLS

- Use and placement of a stethoscope (not supplied)
- Identification of sounds and their variations
- Relationship between sounds and auscultation sites
- Ability to describe sounds clearly to others
- Palpation of anterior and posterior thrills

QUALITIES

REALISM

- Angle of Louis is present for landmarking
- Anatomically correct auscultation sites

KEY FEATURES

- Total of 97 sounds: 36 heart, 27 breath, 16 bowel, 10 heart and breath combination sounds
- Variable heart and respiration rates (heart sounds are played at 60, 75, 90 and 110 bpm and breath sounds from 12-30 bpm)
- Carotid pulse timed with the first heart sound to identify the onset of systole
- Software includes ECG waveforms and visual phonocardiograms that can be projected for group teaching
- Includes laptop running Windows 10 and free SAM Online site licence giving access to sound library, lessons with illustrations, diagrams, etc

VERSATILITY

- Can be used in the upright, supine or left lateral position
- Suitable for lab, classroom, or online
- Portable and easy to use

WHAT'S INCLUDED

	NON-ENHANCED	ENHANCED
SAM 3G manikin	✓	✓
Dell Laptop with Windows 10	✓	✓
SAM software including:		
• ECG waveforms	×	✓
• 24 Case videos	×	✓
• 12 Echocardiogram videos	×	✓
• Real sound library	×	✓
SAM 3G t-shirt	✓	✓
User manual	✓	✓
SAM 3G power cord	✓	✓
USB cables (x2)	✓	✓

OPTIONAL EXTRAS

SAM 3G Warranty - 3 year extension
Carry case

SimScope WiFi Hybrid Simulator

CD718-3410

An auscultation solution for real-time, seamless standardised patient interaction and assessment.

Users can simulate a wide range of heart, bowel, lung and bruit sounds using wireless communication between the SimScope stethoscope, software and patches applied to the simulated patient.

QUALITIES

- Ideal for use with simulated patient and OSCE programs
- Easy to use
- Portable
- Quick change AAA battery provides up to 12 months of battery life
- Compatible with Enterprise Network (more secure network)

Visit **limbsandthings.com** for further information

VENEPUNCTURE ARM RANGE - Advanced, Standard & Basic

CLICK HERE

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

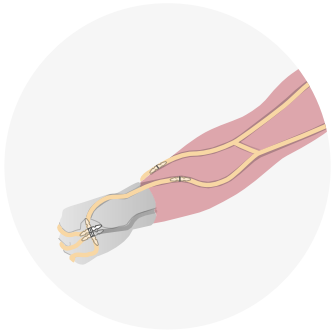
Suitable for undergraduate and postgraduate level training.

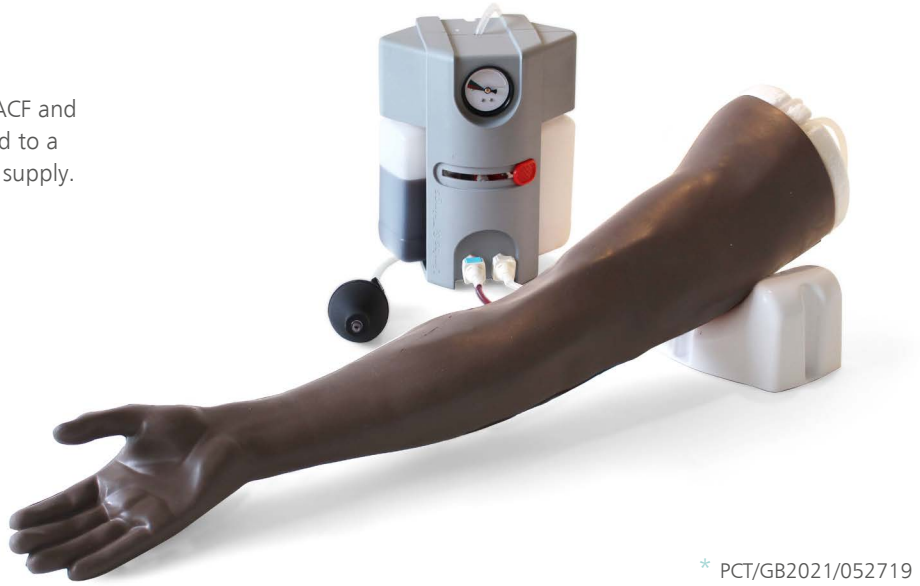
The patent pending* skin locking mechanism ensures the model is easy to re-skin whilst maintaining the lifelike haptics of the underlying and fully palpable basilic, cephalic and dorsal metacarpal veins.

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 realistic blood supply.



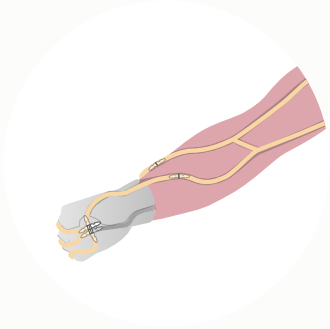


* PCT/GB2021/052719

Standard Venepuncture Arm

70302 **70303**

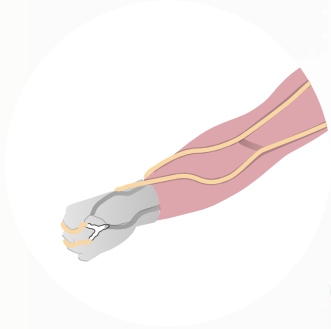
For cost effective training the modular vein system contains ACF and metacarpal vein anatomy.



Basic Venepuncture Arm

70304 **70305**

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



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

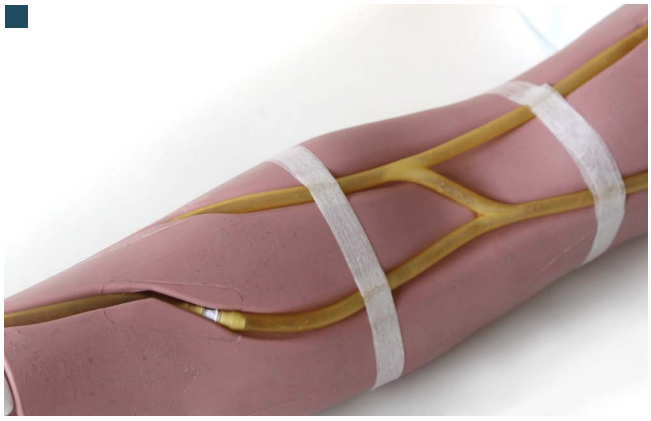
- Compatible with vacuum blood collection systems, needle & syringe, and IV cannulas
- Durable skin
- Extended tubing allows for simulated patient in a classroom setting
- Veins can withstand up to 500 stabs from a 21g needle
- Arm can be upgraded through purchase of modular veins and the Advanced Pressurised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



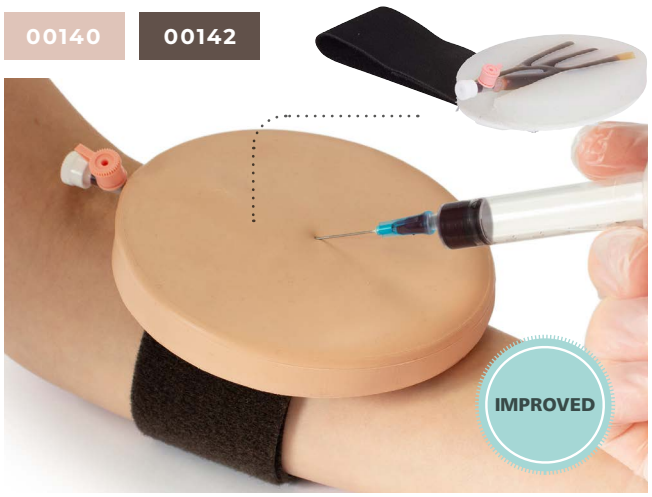
Visual inspection and palpation
Gripping system provides true-to-life vein placement
Ability to position the hand for life like cannula insertion

WHAT'S INCLUDED

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

ACF Pad - Venepuncture

00140 00142



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

Three Vein Pad - Venepuncture

00161 00162

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

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

Extended ACF Pad - Venepuncture

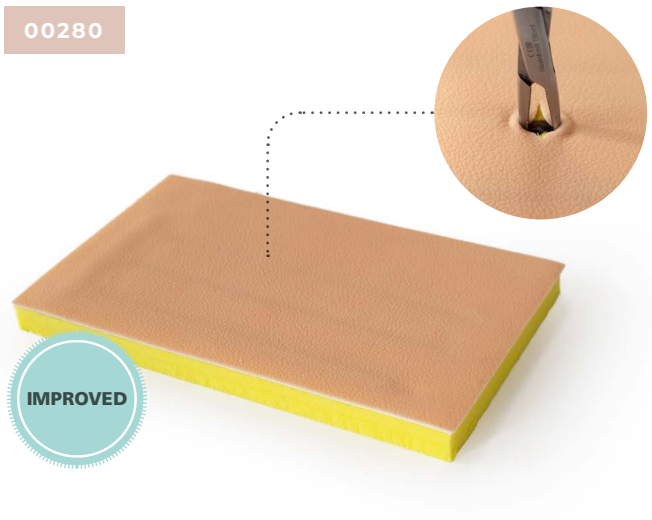
00211

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.

Arterial Puncture Wrist

KKM99

KKM99D

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

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

- Pressure of pulse is variable
- Flashback can be observed

VERSATILITY

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

CLEANING & CARE

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

WHAT'S INCLUDED

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

Injection Trainer

00310

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

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

SKILLS

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

QUALITIES

ANATOMY

- Epidermis, dermis, fat and muscle

REALISM

- Tissues are soft and warm to the touch

KEY FEATURES

- Epidermis layer peels back to quickly release subcuticular liquid

VERSATILITY

- Strap for hybrid simulation

SAFETY

- Latex free

CLEANING & CARE

- Durable replaceable epidermis

WHAT'S INCLUDED

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

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

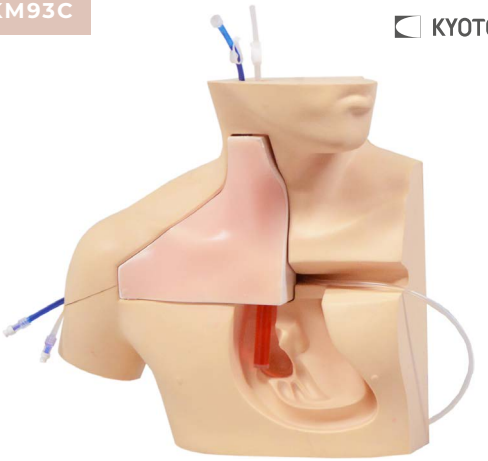
WHAT'S INCLUDED

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

Ultrasound CVC Insertion Simulator Mk 3

KKM93C

KYOTO KAGAKU



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

SKILLS

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

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

TruPICC

TCTPIC100 **TCTPIC100DS**

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

SKILLS

Ultrasound guided PICC Line Insertion

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

Intravenous (IV) Cannulation Techniques

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

PICC line Insertion
IV access

Ultrasound Guided PICC Training Simulator

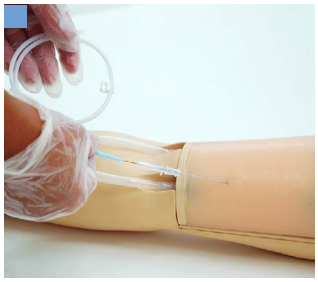
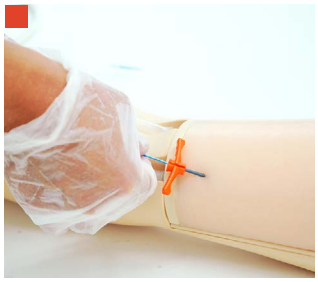
KKMW18

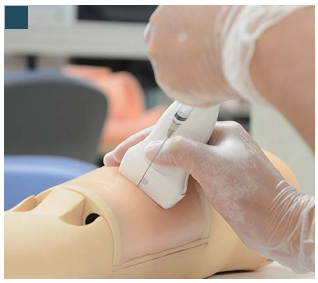
A simulator for comprehensive hands-on training in Peripherally Inserted Central Catheter (PICC) line insertion and removal under ultrasound guidance.

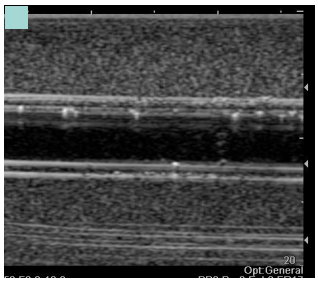
KYOTO KAGAKU

SKILLS

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





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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

- Excellent image quality and visualisation of the needle tip

VERSATILITY

- Movable shoulder for training in correct positioning of the arm

CLEANING & CARE

- Replaceable puncture pads

WHAT'S INCLUDED

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

CATHETERISATION TRAINER RANGE

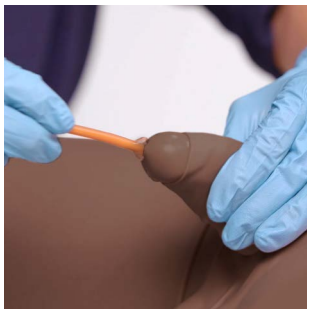
CLICK HERE

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**

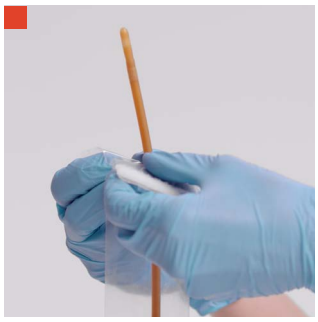
Optional module, designed for advanced skills training, allowing trainees to master ultrasound guided suprapubic catheterisation insertion.

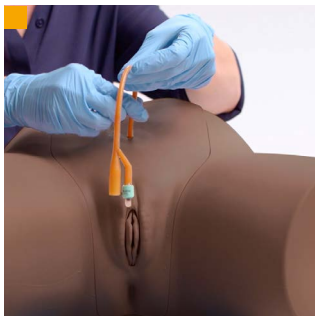
Fits into the pelvic shell and stand .

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

* 60852 | **60873** Only





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

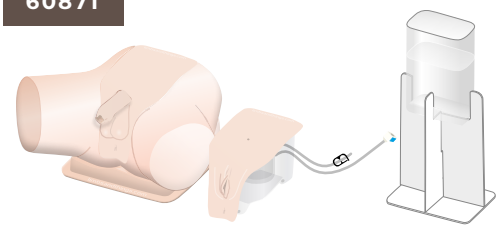
KEY FEATURES
- Ability to assess the student's progress
- Ultrasound compatible*
- Easy to set up
- Non-drip valve
- Modular

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

SAFETY
- Trainer is latex free (catheters provided contain latex)

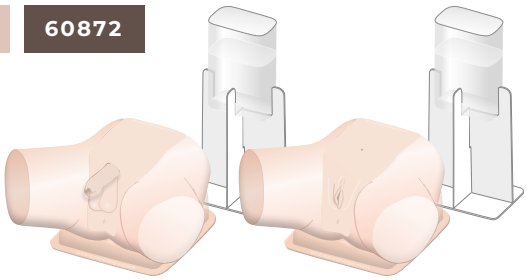
Standard Catheterisation Trainer Set

60853 **60871**



Advanced Catheterisation Trainer Set

60854 **60872**



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)

Chest Drain & Needle Decompression Trainer

CLICK HERE

60230 | 61230

Suitable for ATLS 10th Edition

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

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

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 air reservoirs provide realistic release of air on insertion of needle

KEY FEATURES

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

VERSATILITY

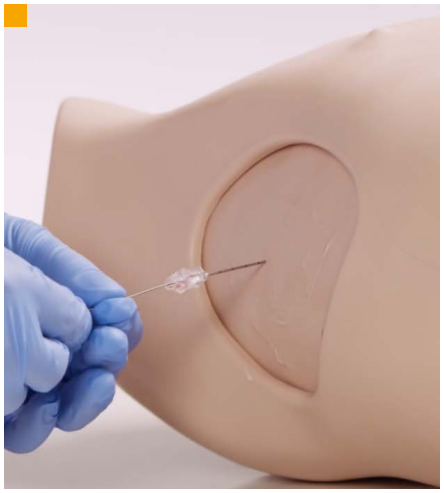
- Suitable for supine, sitting or leaning forwards positions
- Works with thoracic seals when using the standard pad
- Affordable replaceable pads

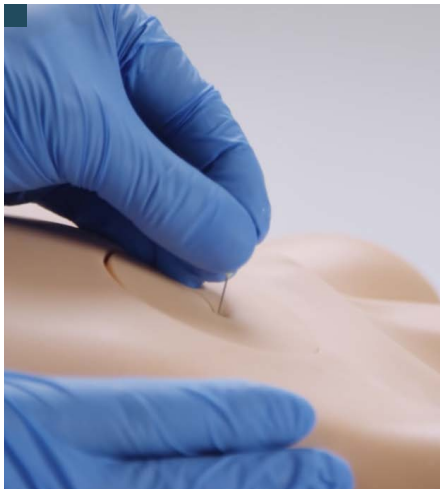
SAFETY

- 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
- Suture of tube to chest wall
- Ultrasound-guided chest drain insertion (Seldinger-type), including insertion of needle under direct vision and ultrasonic recognition of chest structures
- Management of pleural effusion





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

PAD FEATURE COMPARISON

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

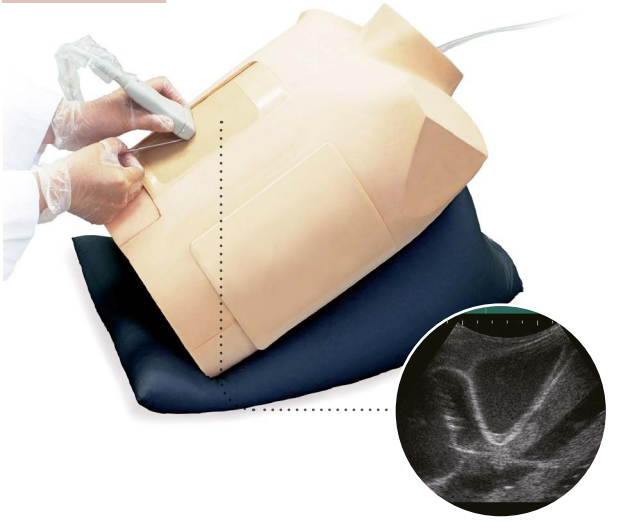
WHAT'S INCLUDED

	60230 / 61230
Needle Decompression Pads (x2)	
Advanced Chest Drain Pads (x2)	
Standard Chest Drain Pads (x2)	
Chest Drain Rib Frame (Left)	
Chest Drain Rib Frame (Right)	
Chest Drain Lungs (x2)	
Chest Drain Diaphragms (x2)	
Chest Drain Ribs (x12)	
Chest Drain Pump: Respiratory Swing	
Chest Drain Pump: Needle Decompression	
Chest Drain Slotted Retaining Knobs	
Key with keyring	
Torso	
Carry case	

Ultrasound Guided Pericardiocentesis Simulator

KKMW15

KYOTO KAGAKU



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

SKILLS

- Ultrasound guided pericardiocentesis using subxiphoid or parasternal approach
- Patient positioning
- Visualisation of pericardial fluid
- Palpation and identification of left xiphisternal junction (Larrey's point) for needle insertion
- Insertion of needle in pericardial space
- Pericardial fluid suction
- Professional-to-patient training

QUALITIES

ANATOMY

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

REALISM

- Realistic needle tip feeling when the needle pierces the pericardial sac

KEY FEATURES

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

WHAT'S INCLUDED

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

CONSUMABLES

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

AirSim Difficult Airway

TCDA91100 TCDA91100DS

trucorp AIRSIM

NEW

The AirSim Difficult Airway provides a solution for varying degrees of difficulty when practicing airway management. This versatile model ranges from challenging to very difficult to intubate, facilitating a variety of training scenarios for both beginner & advanced users.

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

AirSim Advance X

TCAA91100X | TCAA91100XDS

Suitable for ATLS 10th Edition

trucorp AIRSIM

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

AirSim Combo X

TCCTC91100X | TCCTC91100XDS

Suitable for ATLS 10th Edition

trucorp AIRSIM

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

QUALITIES

	ADVANCE X	COMBO X
REALISM		
• Real feel skin covering for added realism	✓	✓
• Realistic features which include: palpable cricoid landmarks, laryngeal cartilages and tracheal rings to provide positive user feedback and easy identification of the sternal notch	×	✓
• Realistic feedback during airway management procedures	✓	✓
• New skin design enhances realism	✓	✓
KEY FEATURES		
• Anatomically correct nasal cavity, with important landmarks, such as the turbinates, clearly defined	✓	✓
• An inflatable tongue with real-life size and texture	✓	✓
• Optional subcutaneous fat tissue to demonstrate more difficult tracheostomy and cricothyroidotomy procedures	×	✓
• A wraparound replaceable neck skin which facilitates up to 20 incisions thus improving efficiency	×	✓

SKILLS

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

WHAT'S INCLUDED

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

TruCric

TCTCRIC1 | TCTCRIC1DS

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

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

Patient Care Simulator "Yaye"

KKMW25

KYOTO KAGAKU

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

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

SKILLS

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

WHAT'S INCLUDED

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

QUALITIES

ANATOMY

- Interchangeable wigs, genitalia and masks to simulate a variety of patients

REALISM

- Simulating all the daily activities of patient care
- Enhanced Range of Motion (ROM) for better patient assessment and positioning

KEY FEATURES

- Soft and elastic abdomen allows for assessment of chest and abdomen
- Airway management and CPR

VERSATILITY

- Easily interchangeable male and female genitalia
- Suitable for postmortem care
- Provides training from trainee level up to experienced staff

CLEANING & CARE

- Skin surface is washable using soap and water

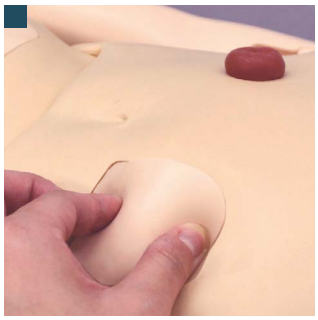
Check **limbsandthings.com**
for more information about Optional Consumables

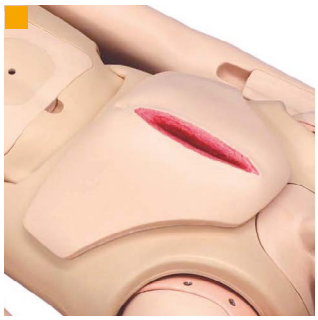
Patient Care Simulator “Cherry”

KKMW22

KYOTO KAGAKU

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





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

SKILLS

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

WHAT’S INCLUDED

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

QUALITIES

ANATOMY

- Male and female genitalia

REALISM

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

KEY FEATURES

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

VERSATILITY

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

CLEANING & CARE

- Skin surface is washable using soap and water

Visit **limbsandthings.com**
for more information about Optional Consumables

Tube Feeding Simulator

KKMW8

KKMW8D

KYOTO KAGAKU

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

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

- Compact and portable

WHAT'S INCLUDED

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

Basic Intraosseous Trainer

VTA4000

VTA4001

VATA

The Basic Intraosseous (IO) Trainer is a simple training solution for trainees learning and practising IO insertion.

Perfect for a classroom setting, the trainer's realistic skin and bone materials allow for unmatched realism.

SKILLS

- Allows trainees to simulate intraosseous insertion

QUALITIES

ANATOMY

- Soft skin has a thickness of 7mm
- Cortical bone thickness of 2.5mm
- Marrow with thickness of 23mm

REALISM

- Trainees can experience the "drop" in resistance when advancing past the cortical bone
- Realistic look and feel of skin and bone material
- Available in both light and dark skin-tones

KEY FEATURES

- Allows for 100+ accesses per trainer, with replaceable insert

WHAT'S INCLUDED

Bone/Skin for IO Trainer (x5)
Base (x5)

Paracentesis Trainer

60100 60111

CLICK HERE

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

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.

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 excess fluid
- Through ultrasound, identification of safe needle/catheter insertion sites
- 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

LUMBAR PUNCTURE & EPIDURAL RANGE

CLICK HERE

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
Realistic feel and response
Lumbar puncture training

SKILLS

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

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	✓	✓	×
Lumbar Puncture Insert - Tissue (x2)	✓	✓	×
Epidural Insert (x2)	×	✓	×
Advanced Epidural Insert (x2)	×	✓	×
Epidural & Lumbar Puncture Ultrasound Insert (x2)	×	×	✓
Epidural & Lumbar Puncture Skin Pad	✓	✓	×
Epidural & Lumbar Puncture Fat Pad (x3)	×	✓	×
Epidural & Lumbar Puncture Standard Dura (x2)	✓	✓	✓
Epidural & Lumbar Puncture Advanced Dura (x4)	×	✓	✓
Epidural & Lumbar Puncture Iliac Crest Insert	✓	✓	✓
Epidural & Lumbar Puncture Insert Cartridge	✓	✓	✓
Epidural & Lumbar Puncture Sacral Insert	✓	✓	×
Water Reservoir	✓	✓	✓
Marker pen	×	×	✓

SUTURE TUTOR *PLUS*™

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

SUTURE TUTOR *PLUS*™ is a complete training package to help medical students and healthcare professionals master fundamental hands-on skills relating to instrument handling, knot tying and suturing.

The product consists of two parts which can be purchased individually, or together as a complete package.

Online, Video-based Course

STP-PRO-SUB

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

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

SKILLS

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

Hands-on Kit

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

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

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

WHAT'S INCLUDED

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

CHOOSE YOUR PRODUCT

	STP-PRO-COM	STP-PRO-SUB	STP-KIT
- 11 Online Module	✓	✓	×
- Suture Tutor Plus Hands-on Kit	✓	×	✓

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

BSS 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 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 1 Refill Pack

50072

WHAT'S INCLUDED

- Skin pad
- Bowel
- Haemostasis pad
- BSS lesion & cyst
- Tendon

BSS Day 2 Refill Pack

50073

WHAT'S INCLUDED

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

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

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

Professional Abdominal Opening & Closure Trainer (AOCT)

60430

CONSUMABLES

50060 BSS Professional AOCT Pad

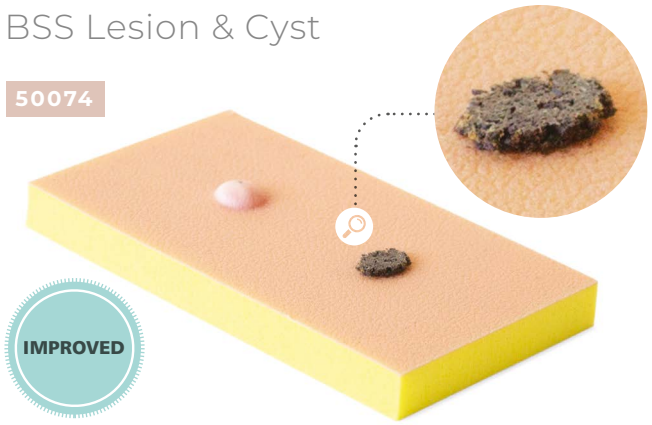
An advanced abdominal wall pad consisting of epidermis, dermis, fat and linea alba. This pad has a separate peritoneal layer and is mounted on a base for teaching abdominal surgical access and closure techniques.

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

BSS Lesion & Cyst

50074



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

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

BSS Surgical Skills Board

50051

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

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

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**).

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

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.

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

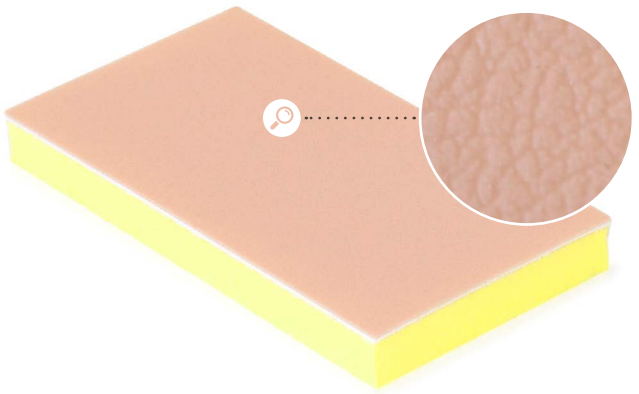
KEY FEATURES
- An excellent starter pad for wound closure training
- Pad dimensions: large 145mm x 125mm,
  small 125mm x 72mm

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

SAFETY
- Latex free

Professional Skin Pad Mk 3

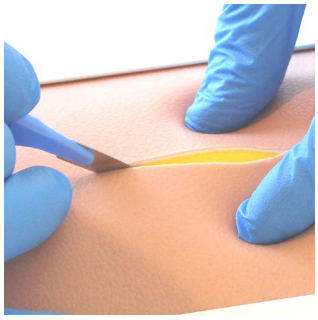
00091 SMALL (x4) **00093** SMALL (x4) **00092** LARGE (x2) **00094** LARGE (x2)

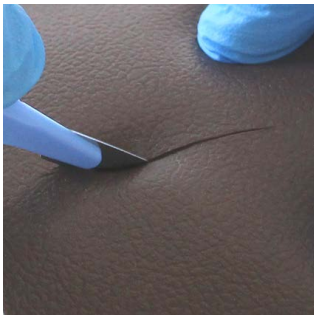


An advanced 3 layer skin pad for demonstrating and practising a variety of incisions and a wide range of suturing techniques.

SKILLS

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





QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

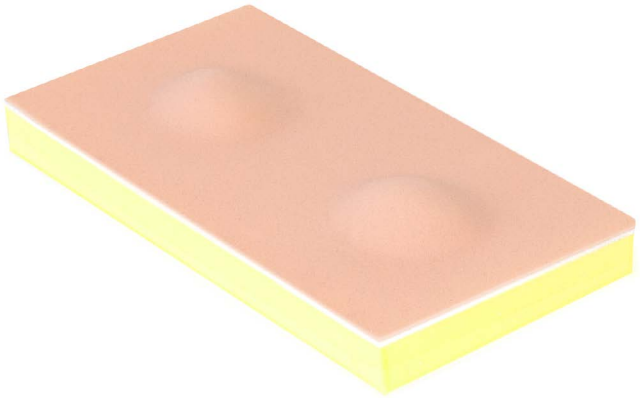
- Serves the needs of both specialist and beginner
- Use with the Skin Pad Jig Mk 3 (**00550**)

SAFETY

- Latex free

Lipoma Pad

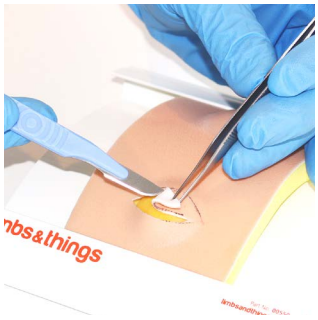
00081



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

SKILLS

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



QUALITIES

REALISM

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

KEY FEATURES

- Pad dimensions: 125mm x 72mm

VERSATILITY

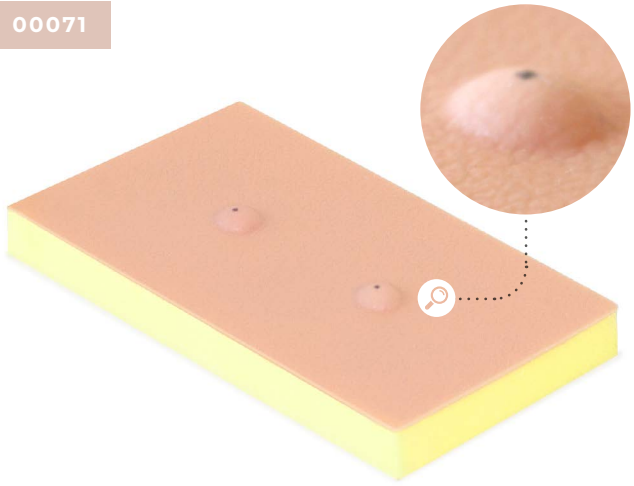
- Use with the Skin Pad Jig Mk 3 (**00550**)

SAFETY

- Latex free

Sebaceous Cyst Pad

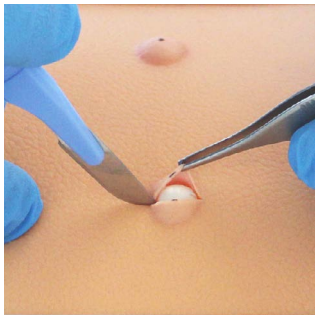
00071

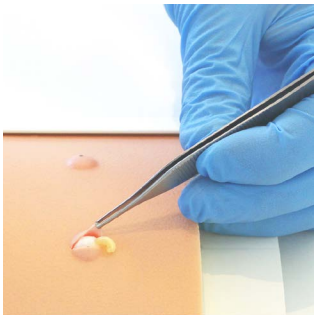


For practising the full sebaceous cyst removal procedure. A 2 layer skin pad with epidermis and subdermal layer. Contains 2 cysts.

SKILLS

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





QUALITIES

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

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

KEY FEATURES
- Pad dimensions: 125mm x 72mm

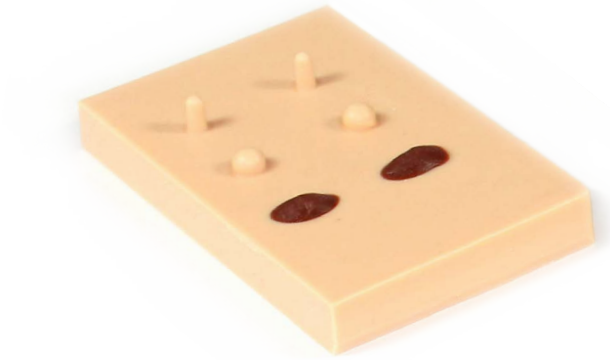
VERSATILITY
- Use with the Skin Pad Jig Mk 3 (**00550**)

SAFETY
- Latex free

Curettage, Snip & Shave Excision Pad

00104

SMALL (x4)



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

SKILLS

- Snip excision
- Shave excision
- Curettage

QUALITIES

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

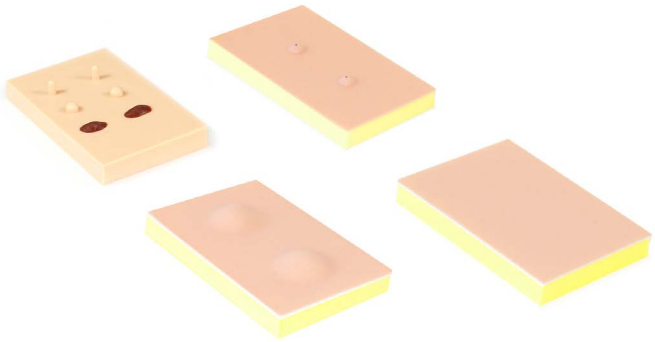
KEY FEATURES
- Cost effective: large pad with 4 skin tags, 4 naevi and 4 seborrhoeic keratoses. The small pad has 2 of each
- Pad dimensions: large 145mm x 125mm, small 125mm x 72mm

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

SAFETY
- Latex free

Minor Skin Procedures Pads

90065



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

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

WHAT'S INCLUDED

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

Ingrowing Toenail Trainer

80060 **80061**

IMPROVED

This unique product closely mimics an inflamed toe end with an ingrowing toenail.

Improved realism. Now latex Free.

SKILLS

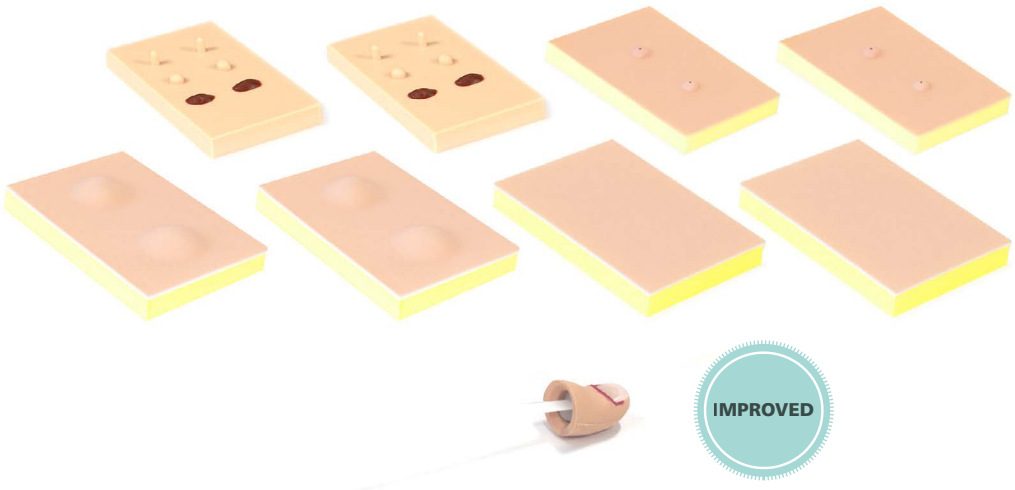
- Ring block techniques
- Total nail avulsion
- Ablation of the nail bed
- Application of a tourniquet
- Phenolisation techniques
- Wedge excision - partial nail avulsion

WHAT'S INCLUDED

- Toe Jig
- Toe Ends (x3)

Two Person Minor Surgery Pack

90900



IMPROVED

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.

WHAT'S INCLUDED

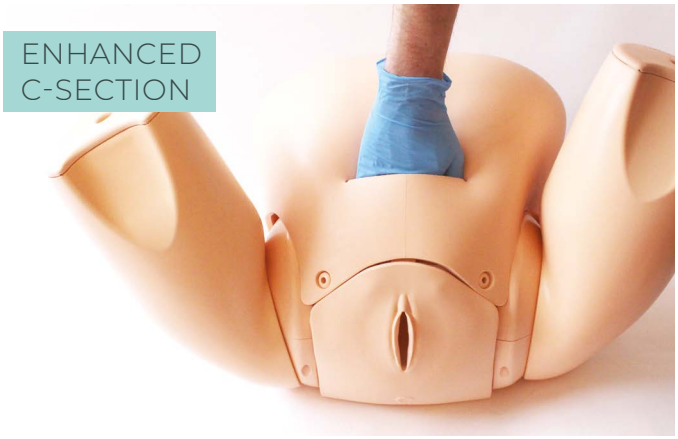
- Professional Skin Pads (small) (x2)
- Lipoma Pads (x2)
- Sebaceous Cyst Pads (x2)
- Curettage, Snip & Shave Excision Pad (small) (x2)
- Toe End

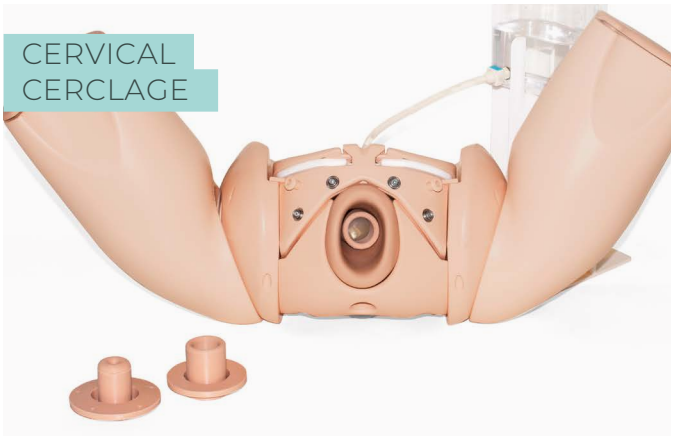
BIRTHING SIMULATOR - PROMPT FLEX RANGE

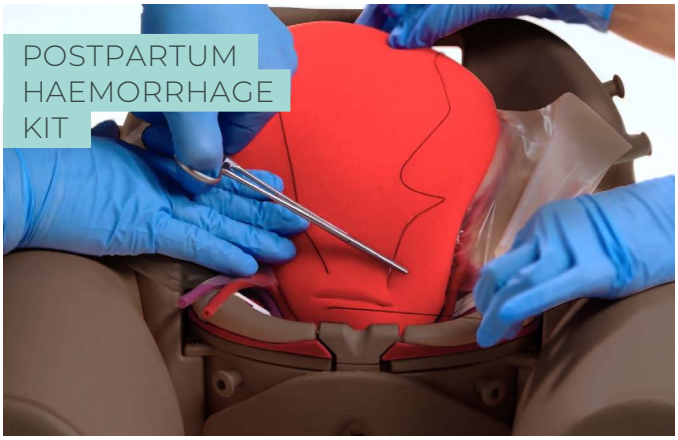
The **Birthing Simulator - PROMPT Flex Range** and its modules are anatomically correct and have been designed in collaboration with clinicians to aid the training and practise of normal and difficult births (including shoulder dystocia) to improve outcomes for mothers and babies during childbirth.

Additional modules

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







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	✓	✓

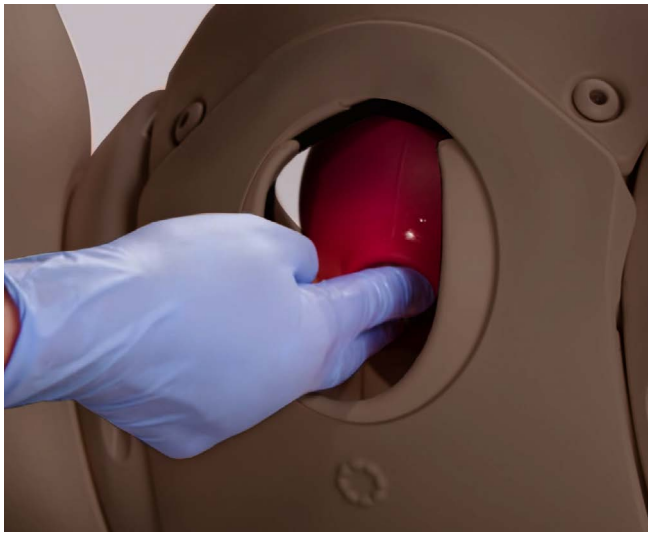
Cervical Dilatation & Effacement Module (CD&E) - PROMPT Flex

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

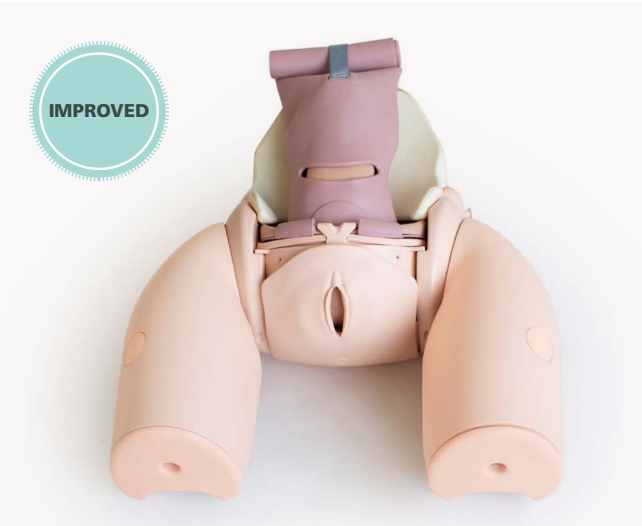
WHAT'S INCLUDED

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)

Enhanced Caesarean Section Module (ECSM) - PROMPT Flex

80300 | 80400

CLICK HERE



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

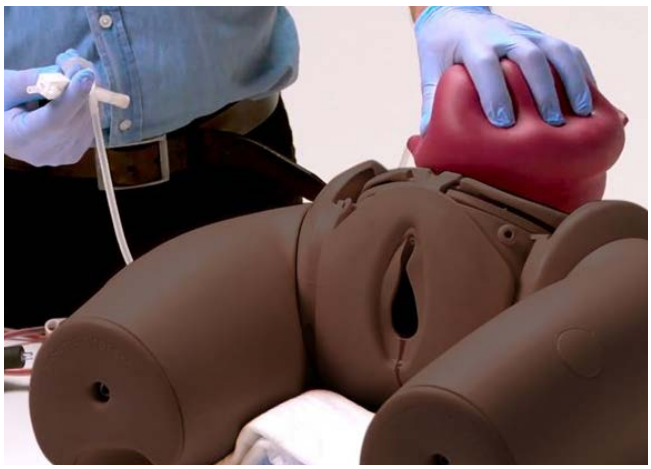
- Cephalic and breech delivery
- C-section at full dilation:
  - Head disimpaction using vaginal push methods
  - Use of balloon disimpacting device
  - Reverse breech extraction
  - Patwardhan's techniques
- Transverse lie
- Instrument assisted C-section delivery
- Delivery of the placenta for routine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

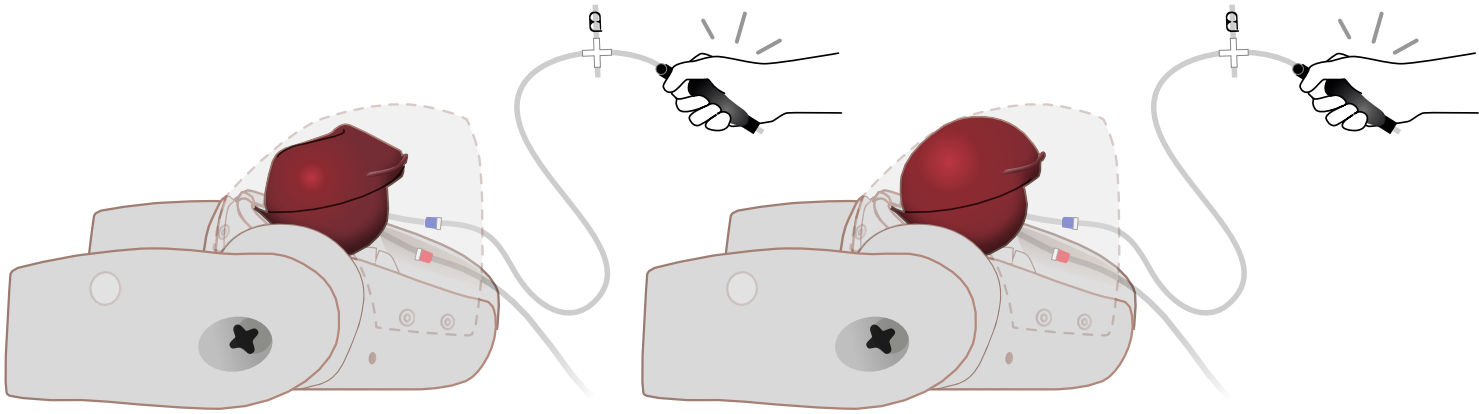
Postpartum Haemorrhage Module (PPH) - PROMPT Flex

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

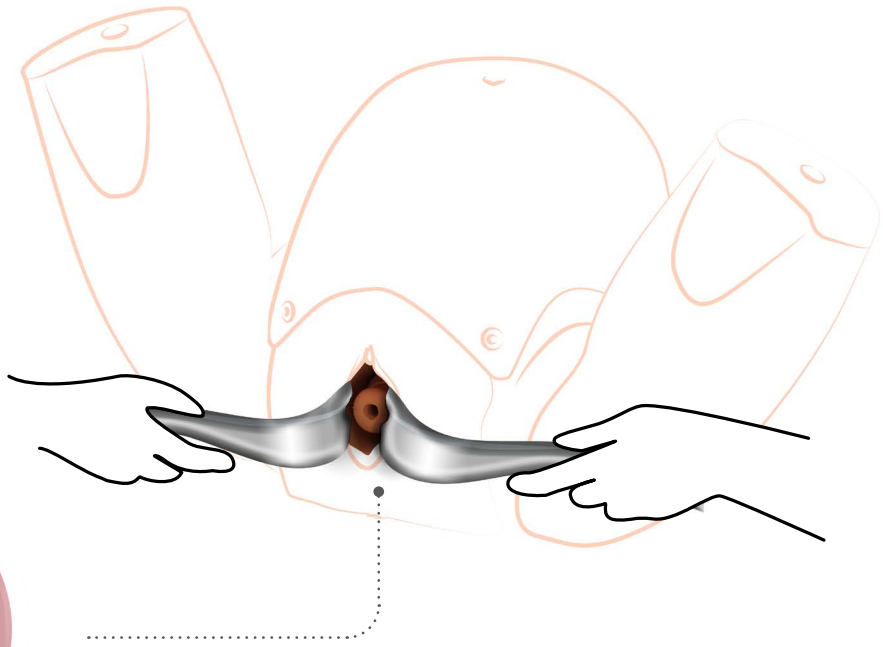
Postpartum Haemorrhage Module - PROMPT Flex
Compression Suture Uterus (Pack of 2)
Pre-incised Delivery Skin for PROMPT Flex

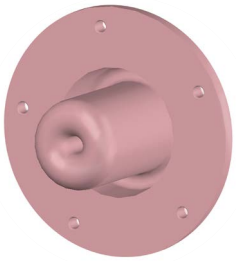
Cervical Cerclage Module (CCM) - PROMPT Flex

80180 **80280**

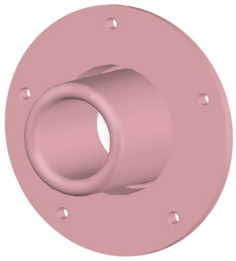
This module is the ideal tool for trainees looking to develop the skills of elective and emergency cervical cerclage.

The easy to use design offers realistic movement of the cervix down the vaginal vault, enabling trainees to place the cerclage as high up the cervix as possible, which supports the learning of the McDonald technique.





Elective



Emergency

Developed in collaboration with:

- Dr Graham Tydeman, Consultant Obstetrician and Inventor, NHS Fife
- Professor Andrew Shennan OBE and Professor Annette Briley, Guy's and St. Thomas' NHS Foundation Trust

SKILLS

- Management of cervical incompetence
- Elective cerclage
- Emergency (or rescue) cerclage
- McDonald cerclage technique

QUALITIES

REALISM

- Realistic representation of a dilating cervix with presenting amniotic sac for emergency procedures
- Restrictive space within the vagina to perform the procedure as in life

KEY FEATURES

- Detachable cervix to allow for repeated training in both elective and emergency cerclage procedures
- The detachable OS provides instant feedback to the trainee
- Fluid filled amniotic sac replicates bulging membranes for emergency procedures

VERSATILITY

- Allows for the practice of both elective and emergency cervical cerclage
- Can be quickly and easily fitted into PROMPT Flex

SAFETY

- Main product is latex free however Amniotic Sacs provided contain latex

WHAT'S INCLUDED

- Cervical Cerclage Frame
- Cervical Cerclage Vagina
- Cervical Cerclage Elective OS (x5)
- Cervical Cerclage Emergency OS (x5)
- Cervical Cerclage Amniotic Sacs (x5)
- Cervical Cerclage Fluid System
- Cervical Cerclage Perineum

Mediolateral Perineal Repair Trainer

61141

61151

CLICK HERE

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.

QUALITIES

ANATOMY

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

KEY FEATURES

- 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
- Durable insert

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

SKILLS

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

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

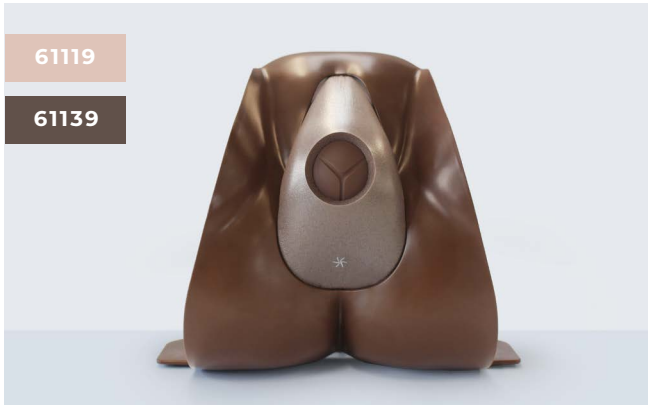
VERSATILITY

- Can be used alongside PROMPT Flex by placing in front of it to add further realism to the simulation
- 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

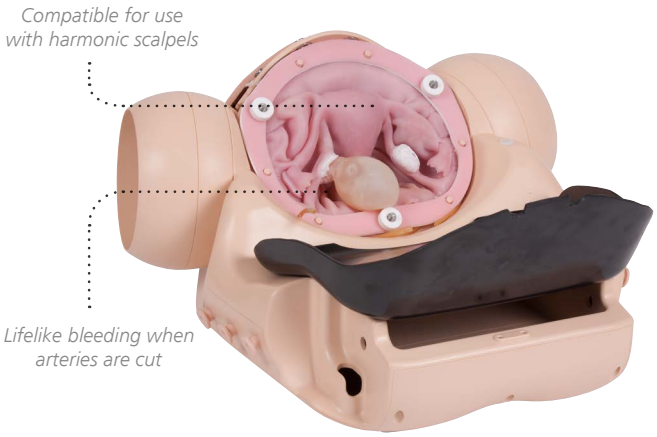
WHAT'S INCLUDED

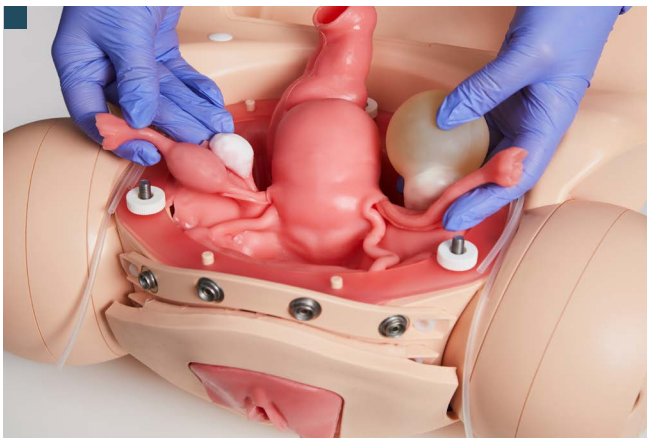
Episiotomy Incision Pad (x2)
Perineal Repair Stand with Clamps
Episiotomy Repair Tape (x24)
Episiotomy Baby Head
Episiotomy Illustration Pack

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.





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
  - Vagina
  - External introitus
  - Fallopian tube
  - Broad ligament
  - Uterine artery
  - Pouch of Douglas
  - Bowel and sigmoid
  - Ectopic pregnancy
  - Uterosacral ligament
  - Abdominal skin with realistic tissue properties for trocar insertion
  - Pelvic floor with sympathetic features

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**

CLICK HERE

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.

NEW

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

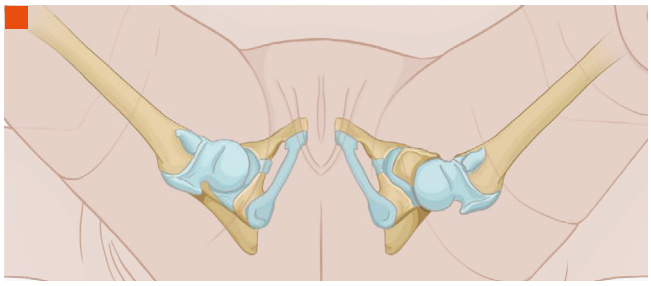


Illustration of internal hips and how they present in the model
Barlow manoeuvre
Galeazzi sign

WHAT'S INCLUDED

IHE Upper
IHE Lower Normal
IHE Lower Abnormal
IHE Illustration Card

TruBaby X

TCTB10001 **TCTB10001DS**

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

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

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

Airway Intubation
IV cannula insertion
Foley Urinary Catheterisation
Lumbar Puncture

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

VERSATILITY

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

SKILLS

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

WHAT'S INCLUDED

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

AirSim Baby X

TCJR10001X | TCJR10001XDS

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

The manikin facilitates training in the use of bag/mask ventilation, supraglottic airway insertion and both naso and orotracheal intubation.

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

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

AirSim Child Combo X

TCCC10006X | TCCC10006XDS

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

SKILLS

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

QUALITIES

REALISM

- A realistic larynx which features palpable cricoid landmarks, laryngeal cartilages and tracheal rings
- New skin design enhances realism

KEY FEATURES

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

VERSATILITY

- Cost effective replaceable consumables; the neck skin can be rotated on the model allowing up to twenty incisions, while the larynx insert can facilitate one surgical cricothyroidotomy and three tracheostomy procedures
- All consumables are quick and easy to interchange, perfect for a busy teaching environment

WHAT'S INCLUDED

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

PAT - Paediatric Auscultation Trainer

CD718-8850 CD718-8950

This paediatric auscultation trainer with listening points at the correct anatomical locations also has heart sounds at different rates for comparison.

SKILLS

- Use and placement of a stethoscope
- Identification of sounds and their variations
- Relationship between sounds and auscultation sites
- Ability to describe sounds clearly to others

QUALITIES

REALISM

- Anatomically accurate auscultation sites

KEY FEATURES

- Total of 99 sounds supplied: 23 heart (at 75bm and 90 bm), 4 heart lung and palpation, 15 paediatric breath, 3 paediatric bowel
- Customised volume adjustments
- Variable heart and respiration rate
- Software includes visual phonocardiograms
- Includes free online Site License

VERSATILITY

- Suitable for lab, classroom or online
- Students can use their own stethoscopes
- Portable and easy to use

WHAT'S INCLUDED

PAT Trainer
Dell laptop with PAT software installed
PAT powercord
USB cables
PAT T-shirt

NCPR Simulator Plus II

KKMW21B

KYOTO KAGAKU

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

SKILLS

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

CLEANING & CARE

- Skin is washable using soap and water

WHAT'S INCLUDED

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

Paediatric Lumbar Puncture Simulator II

KKM43D

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

SKILLS

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

QUALITIES

REALISM

- Body of the manikin is soft and flexible

KEY FEATURES

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

VERSATILITY

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

WHAT'S INCLUDED

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

Want to see our trainers in action?

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

SHOULDER INJECTION TRAINER RANGE

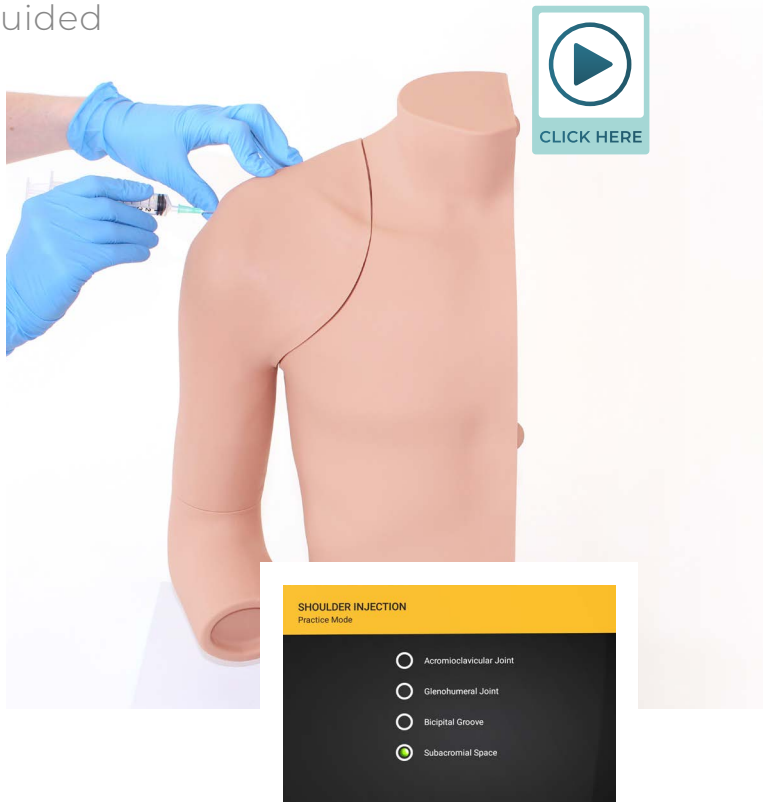
This range combines physical practice with the guidance of technology. It provides a repeatable teaching and training platform for shoulder injections in the 4 most common sites.

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

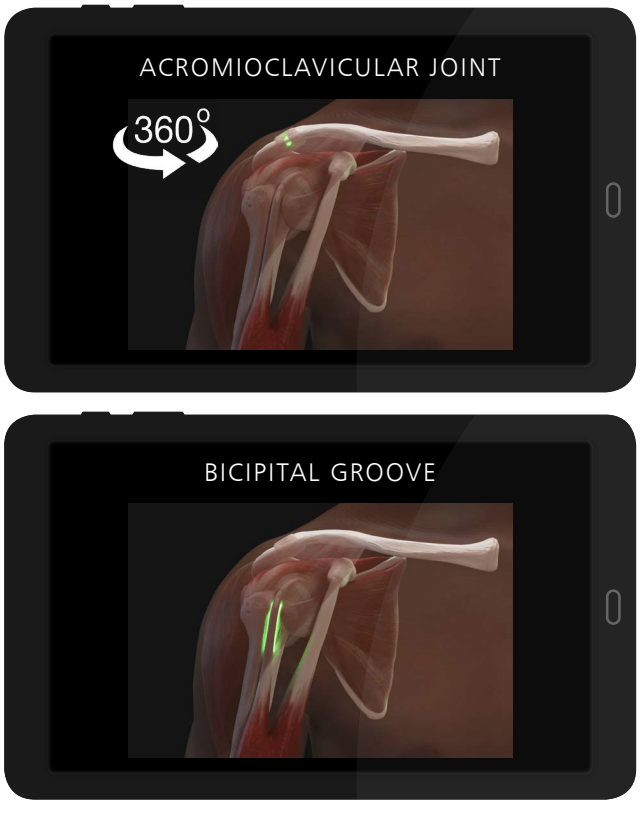
- Palpation to find the four most common injection sites
- Instant feedback for the trainee when a site is correctly located
- Injections from multiple approaches to allow for different preferences
- Suitable for postgraduate learning
- App features full 360-degree view of underlying anatomy and injection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



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

WHAT'S INCLUDED

Shoulder Module - Palpation Guided
Shoulder Skin (x1 spare)
Shoulder Torso
Needle Set
Android Tablet
Elbow
AA Batteries (x2)
Carry Case

Shoulder Injection Trainer - Ultrasound Guided

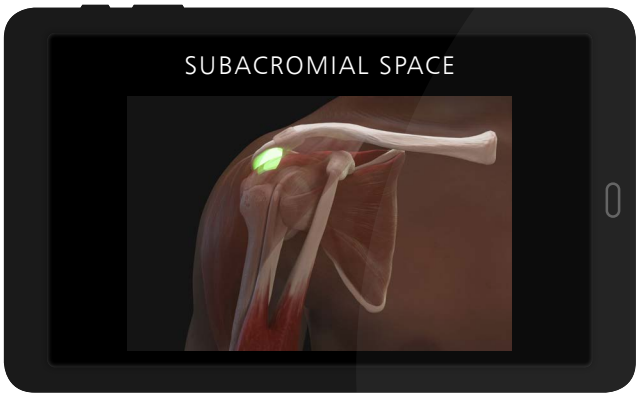
70202 **70221**

CLICK HERE

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

SKILLS

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



QUALITIES

REALISM

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

KEY FEATURES

- Echolucent materials visible under ultrasound represent the key internal landmarks
- Successful injection can be confirmed by visualising fluid entering the site, or by aspirating fluid
- 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.

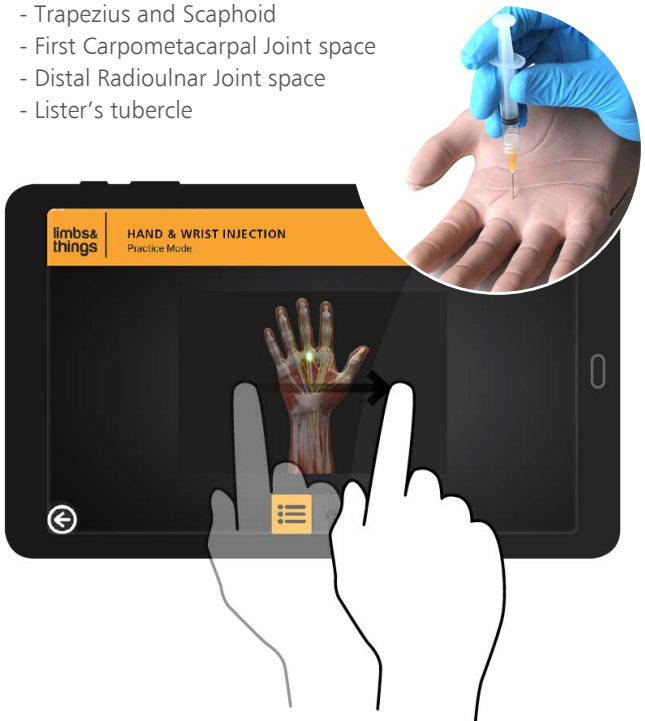
CLICK HERE

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
- Internal Product Anatomy:
  - Palmaris Longus
  - Flexor Carpi Radialis
  - Extensor Digitorum Group
  - Extensor Digiti Minimi
  - Abductor Pollicis Longus
  - Extensor Pollicis Brevis
  - Extensor Pollicis Longus
- Bone structures:
  - Radial Styloid
  - Ulnar Styloid
  - Trapezius and Scaphoid
  - First Carpometacarpal Joint space
  - Distal Radioulnar Joint space
  - Lister's tubercle



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**

CLICK HERE

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

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

30083

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

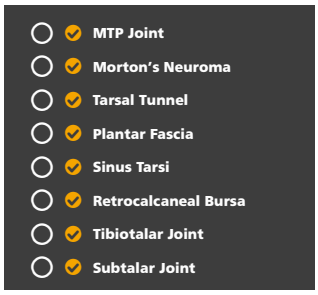
Foot & Ankle for Joint Injection

30100

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

CLICK HERE

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

TruNerve Block

TCTNB100

trucorp

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

Colonoscopy Training Model

KKM40

KYOTO KAGAKU

This model presents a wide range of challenges to trainees performing a colonoscopy, from simple and uncomplicated cases to difficult and sensitive variation. Provides the necessary training required to avoid patient pain and discomfort during an examination.

SKILLS

- Colonoscope insertion and withdrawal
- Insufflation and suction of colon
- Manipulation of colonoscope

QUALITIES

REALISM
- Soft, flexible and airtight colon tube allows for realistic colonoscope insertion and withdrawal

KEY FEATURES
- 5 different colon layout guides, with 6 case studies
- Manual abdominal compression can be practised by using the supplied skin cover
- Colon tube can be made airtight, allowing for insufflation and suction
- Anal sphincter opening can be manipulated by a hand pump

VERSATILITY
- May be oriented in left/right lateral or supine positions
- Newly developed lubricant gels (included) provide for smooth colonoscope manipulation as well as reduced wear of the colon tube
- The colon tube is easily attached to the abdomen body, according to each particular case to be studied

CLEANING & CARE
- The colon tube is detachable and easy to clean with water

WHAT'S INCLUDED

Colon-Rectum Tube	
Anus Unit	
Colon Fixture Set	
Colon Layout Guide	
Concentrated Lubricant for Colon-rectum Tube (blue)	
Lubricant Pack for Endoscope (pink)	
Instruction Manual and Training Guide	
Abdominal Shell	Stand
Abdominal Skin	Rubber Sheet
Plastic bottle	Storage Case

Limbs & Things Laparoscopic Skills Trainer USB

50301

A cost effective solution for acquiring the basic skills required for laparoscopic surgery. This trainer box comes with a USB camera, light source and pre-ported skin frame for trocars.

It provides an ideal laparoscopic environment for any basic task which can be added by the user.

SKILLS

- Basic psychomotor skills
- Use of laparoscopic instruments (not provided)
- Knot tying
- Precision cutting

QUALITIES

- Skin frame constructed from durable neoprene
- 2 pre-incised holes for the trocars
- USB camera included
- Trainer design allows for ambient light to enter training area
- Overhead LED lighting strip
- For use with laptop/PC
- Free downloadable camera software (Windows and Mac compatible)
- Soft Tissue Retaining Set (**50151**) can be used inside, with the Limbs & Things soft tissue pads
- Rubber strips provide a stable and non slip platform for training

WHAT'S INCLUDED

Trainer box
USB camera with lead
Light strip
Power cable
Simulated skin
String & alligator clips
Trocars (x2)

OPTIONAL EXTRAS

Visit **fls-products.com**
for more information about a range of tasks

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
  - Knot tying

FLS Trainer Box with TV Camera

50302

This product is economical and portable, making it ideal for training centres.

FLS™

Visit **fls-products.com** for more information about a range of tasks

Note that users must provide their own TV screen

FLS Trainer System

50304

The FLS Trainer System incorporates all of the features of the FLS Trainer Box but also includes a 19" Television Screen and a Mobile SimCart.

This product offers greater flexibility and is an extremely cost effective option for training centres.

FLS All-In-One Trainer System

50306

The FLS All-In-One Trainer System incorporates all of the features of the FLS Trainer System and also includes ligating loops, sutures and an FLS Approved Instrument Kit.

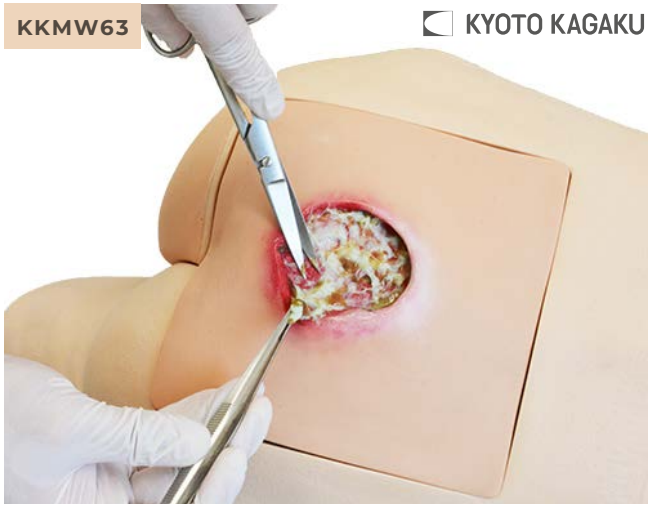
This product provides a training centre with everything required to run an FLS Training program.

FLS was designed for surgical residents, fellows and practicing physicians to learn and practice laparoscopic skills to have the opportunity to definitely measure and document those skills.

Pressure Sores Simulator

KKMW63

KYOTO KAGAKU



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

SKILLS

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

QUALITIES

KEY FEATURES

- Contains 4 types of Sacral pressure sore pads for practicing classification and treatment
  - Stage II
  - Stage III
  - Stage IV with granulation
  - Stage IV with pockets
- Greater trochanter pressure sore with full-thickness skin loss
- Ultrasound capable pads for identification of deep tissue injury
- Necrotic tissue removal set with consumable pads

WHAT'S INCLUDED

	BASIC SET	FULL SET
Lower body torso	✓	✓
Sacral pressure sore pads	✓	✓
Sciatic pressure sore pad	✓	✓
Echo pads	×	✓
Necrotic tissue removal set	×	✓
Consumable set (Blood, Pus, Exudate and Necrotic tissue)	✓	✓
Storage case	✓	✓
Instruction manual	✓	✓

Freddie Fistula™ Skills Trainer

VTA0230

VATA

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

SKILLS

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

QUALITIES

ANATOMY

- Soft abdomen with open wound and exposed intestines
- 3 fistulas
  - 1 central stomatized fistula (easily observable)
  - 1 non-stomatized fistula
  - 1 hidden fistula (not readily observable)
- Skin fold creases

KEY FEATURES

- Any combination of the 3 fistulas can be opened to allow effluent flow
- Integral base is designed with tray to hold up to 700ml of fluid
- Proprietary skin allows standard dressings to be applied
- Support rod holds 500ml effluent fluid bag

CLEANING & CARE

- Skin is washable using soap and water

WHAT'S INCLUDED

Freddie Fistula™ Wound Care Skills Trainer
1 Quart Bottle of Effluent Concentrate
3-Way Tube Set With Color-coded Pinch Clamps
Support Rod
500ml Effluent Fluid Bag
Carry case

Seymour II Wound Care Model™

VTA0910

VTA0920

VATA

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

SKILLS

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

QUALITIES

ANATOMY

- Displays the following conditions:
  - Stage 1 pressure injury
  - Stage 2 blister intact
  - Stage 3 pressure injury with undermining, tunnelling, subcutaneous fat, eschar and slough
  - Stage 4 deep injury with exposed bone, undermining, tunnelling, subcutaneous fat, eschar and slough
  - Suspected DTI, unstageable
  - 5 1/2" dehisced wound

REALISM

- Unique flexible lifelike material permits the placement of dressings (without adhesive residue)
- Can be used with negative pressure wound therapy devices

CLEANING & CARE

- Skin is washable using soap and water

WHAT'S INCLUDED

Seymour II Wound Care Model
Legend

'Wilma' Wound Foot™

VTA0950

VTA0955

VATA

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

SKILLS

- Wound assessment
- Routine cleansing
- Dressing techniques

QUALITIES

ANATOMY

- Pressure injury
  - Stage 1 on the medial malleolus
  - Stage 2 on the lateral foot (behind the 5th toe)
  - Stage 3 on the heel with infection
  - 2 x Stage 4: on the lateral malleolus with exposed tendon and bone & on the medial foot (behind the big toe) with exposed tendon and slough
- Suspected DTI
- Neuropathic ulcer
- Callus, gangrene, maceration
- Amputation, corn, fungal thickened toenails
- Blisters, hammer toes, skin stapled wound
- Ingrown toenail, unstageable eschar on lateral foot
- Partial thickness wounds between toes

REALISM

- Unique flexible lifelike material permits the placement of dressings (without adhesive residue)
- Can be used with negative pressure wound therapy devices

KEY FEATURES

- DTI on top of foot with "mushy/boggy" feel when palpated
- Flexible material allows toes to be moved

CLEANING & CARE

- Skin is washable using soap and water

WHAT'S INCLUDED

Wilma Wound Foot
Stand
Legend

CLICK HERE

UNDERGRADUATE MEDICINE

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

MALE RECTAL EXAMINATION

12

ABDOMINAL EXAMINATION

16

BREAST EXAMINATION

10

FEMALE PELVIC EXAMINATION

8

MALE PELVIC EXAMINATION

14

CATHETERISATION

30

VENEPUNCTURE

22

INJECTIONS

26

BASIC SURGICAL SKILLS

42

OTOLOGY & OPHTHALMOLOGY

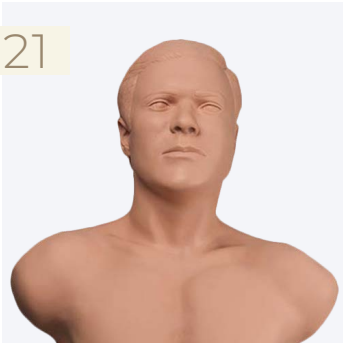
18

GENERAL PHYSICAL EXAM

20

AUSCULTATION

21



NURSE TRAINING

CLICK HERE

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

6

PELVIC EXAMINATION

8

BREAST EXAMINATION

10

MALE RECTAL EXAMINATION

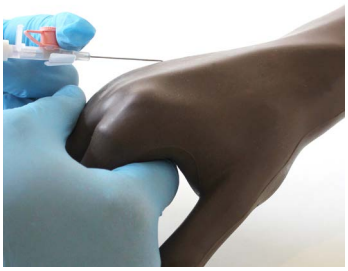
12

ABDOMINAL EXAMINATION

16

VENEPUNCTURE

22



CATHETERISATION

30

PATIENT CARE

36

PAEDIATRIC AUSCULTATION

64

WOUND CARE

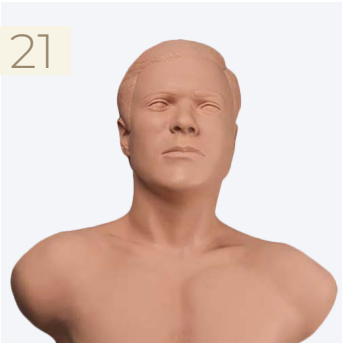
76

OTOLOGY & OPHTHALMOLOGY

18

AUSCULTATION

21



CLICK HERE

ATLS

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

CHEST TRAUMA MANAGEMENT

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AIRSIM DIFFICULT AIRWAY

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AIRSIM ADVANCE X

35

AIRSIM COMBO X

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AIRSIM BABY X

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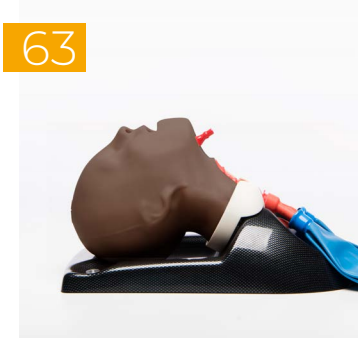

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PARAMEDIC TRAINING

CLICK HERE

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

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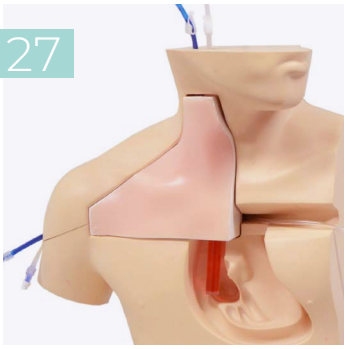

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OSCE TRAINING

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.

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ABDOMINAL EXAMINATION

16

BREAST EXAMINATION

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PELVIC EXAMINATION

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CATHETERISATION

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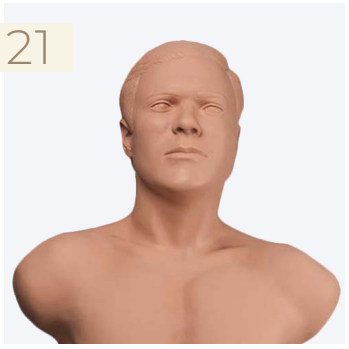

PAEDIATRIC AUSCULTATION

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PHYSICIAN ASSOCIATE

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

MALE RECTAL EXAMINATION

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FEMALE PELVIC EXAMINATION

8

ABDOMINAL EXAMINATION

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MALE PELVIC EXAMINATION

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BREAST EXAMINATION

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VENEPUNCTURE

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CATHETERISATION

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AUSCULTATION

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ADVANCED PRACTICE

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

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BREAST EXAMINATION

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MALE RECTAL EXAMINATION

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MALE PELVIC EXAMINATION

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OTOLOGY

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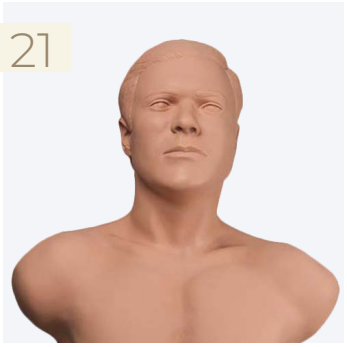

PAEDIATRIC AUSCULTATION

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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

30

ULTRASOUND EPIDURAL

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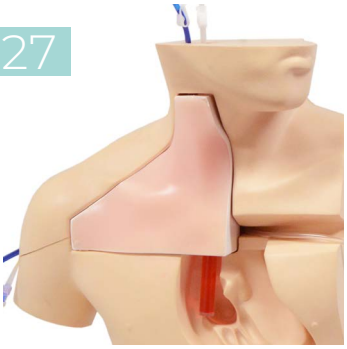

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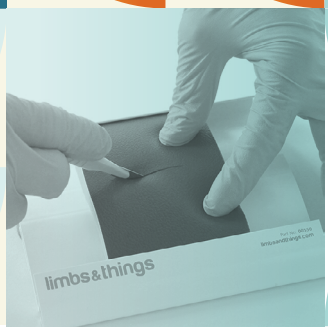

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