



USA & CANADA CATALOG 2025





Learning has never been more lifelike

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

In 1990, Limbs & Things was born from a kitchen top in Bristol, England. Now a **global business**, the company has had established roots in the United States and Canada since 1995 and employs a dedicated and passionate sales personnel across the two countries. The **family-owned** business still holds the same values and is proud to be supporting the learning of competent and confident clinicians around the world.

Our products are designed and manufactured at our Headquarters before being exported to **70 countries worldwide**. Each model is created by our committed team of experts who collaborate with **medical leaders** to carefully create each groundbreaking innovation to achieve our mission.

Creating innovative medical simulators to bring learning to life



**limbs&
things**

SINCE 1990

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

Our commitment to simulation doesn't stop once a product has left the door. That's why we are known for **our outstanding customer service** and **dedicated field based sales team**, trained with expert product knowledge, who will always be on hand to support your simulation needs.

Creating innovative medical simulators to bring learning to life



“

Another year, another catalog to let you know about Limbs & Things' exciting range of products.

Our clever designers and manufacturing staff, in addressing the needs of medical skills training, have designed innovative solutions to enhance learning including Augmented Reality Training for some of our most popular models, as well as more practical solutions for in-depth, hands-on training using our beautiful simulation products.

We hope that you will benefit from the wide opportunity of skills and knowledge acquisition.

May your training program of 2025 and onward be the most successful yet!

Margot Cooper
Limbs & Things President

”

WHAT'S NEW

NEWEST UPDATES FROM LIMBS & THINGS 6

PHYSICAL EXAMINATION

AUGMENTED REALITY TRAINING (ART)	8
GENERAL PHYSICAL EXAMINATION	10
AUSCULTATION & CARDIOLOGY	11
ABDOMINAL EXAMINATION	12
FEMALE EXAMINATION	14
MALE EXAMINATION	18
OPHTHALMOLOGY	22
OTOLOGY	23

PROCEDURAL SKILLS

CATHETERIZATION	24
DIAGNOSTIC PROCEDURES	26
CHEST TRAUMA MANAGEMENT	28
TRAUMA MANAGEMENT	30
CLEAN BLEED MAT	33
AIRWAY MANAGEMENT	35
VASCULAR ACCESS	40
CENTRAL LINE MANAGEMENT	40
ARTERIAL PUNCTURE	44
VENIPUNCTURE	45
PATIENT CARE	48
PARACENTESIS	49

SPECIALIST SKILLS

BASIC SURGICAL SKILLS	52
MINOR SURGERY	55
OBSTETRICS, MIDWIFERY & GYNECOLOGY	58
GYNECOLOGY	65
PEDIATRICS	70
JOINT INJECTION	74
WOUND CARE	79
LAPAROSCOPIC SURGERY	80

RANGES

TRUCORP	84
UNDERGRADUATE MEDICINE	85
NURSE TRAINING	86
POCUS	87
ATLS	88
EMS	89
OSCE	90
PHYSICIAN ASSISTANT	91

CONTENTS

Augmented Reality Training (ART) now available with our PROMPT Flex

ART is a visual aid to enhance understanding of internal structures involved in the birthing process and conceptualizing the effects of maneuvers on anatomy. Users can view the birthing process from 360 degrees including areas which can be hard to see in real life.

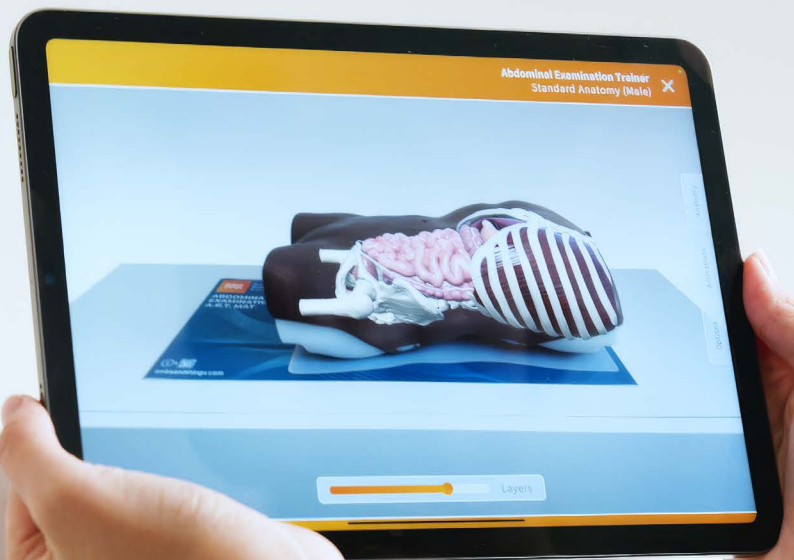
Discover more on page 61.



Augmented Reality Training (ART) now available with our Abdominal Examination

ART enhances learners' ability to understand what's happening on the inside with pathologies and during diagnosis of conditions in both male and female torsos.

Discover more on page 12.





Cardiovascular and Respiratory Examination Trainer (CaRE)

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

With lifelike pulses, chest movement, apex beat, thrills and heaves, and sounds, that synchronize to create accurate and realistic replications of a range of pathologies and conditions. Clinical case presentations are readily available, enabling easy set up and allowing trainers to focus on delivering quality teaching.

Discover more on page 10.



TruCVC

Discover unmatched realistic ultrasound training with TruCorp's latest product, TruCVC. Designed to provide lifelike central venous catheterization training, TruCVC offers realistic and accurate vascular anatomy.

Discover more on page 41.

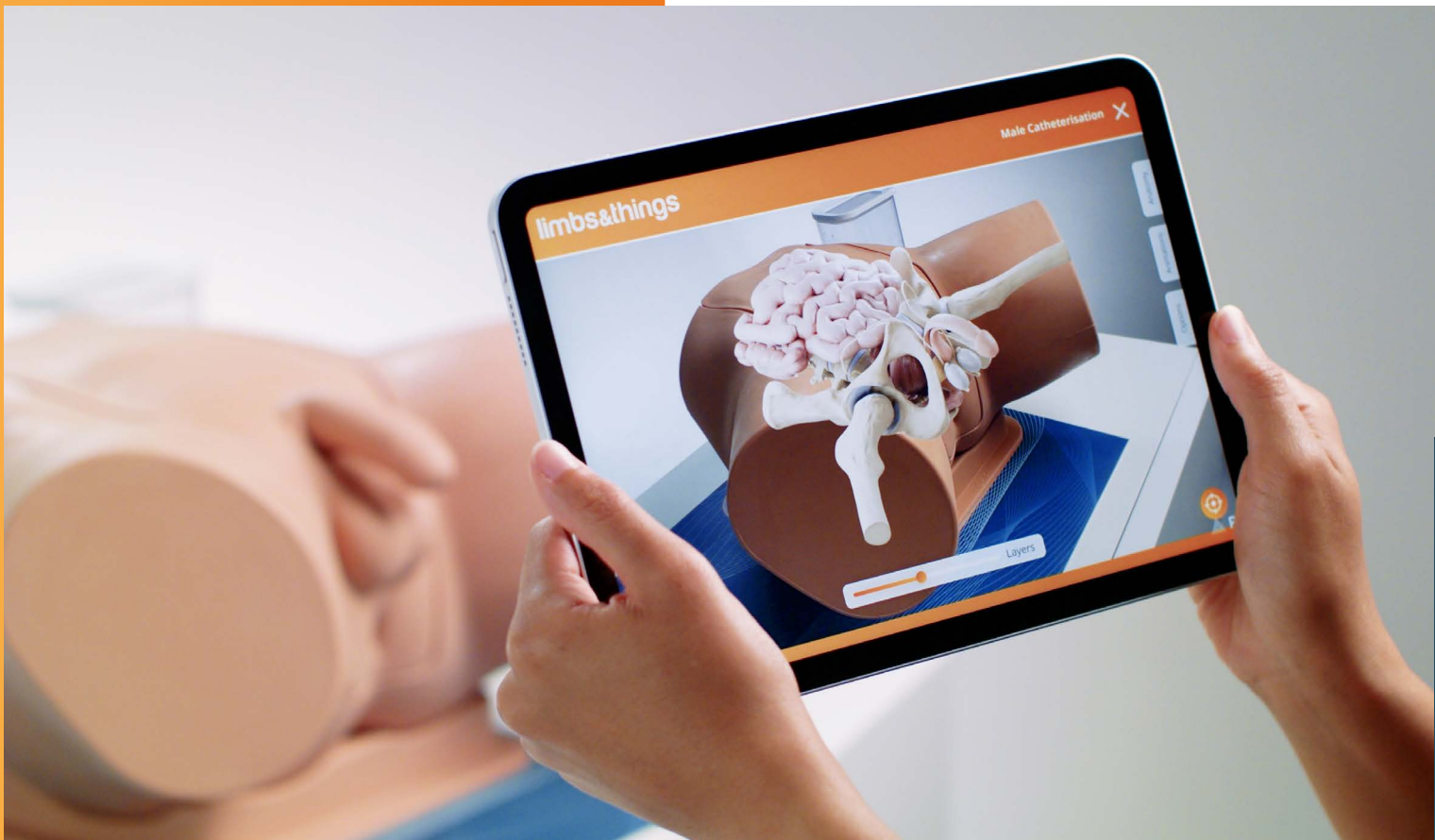


ART

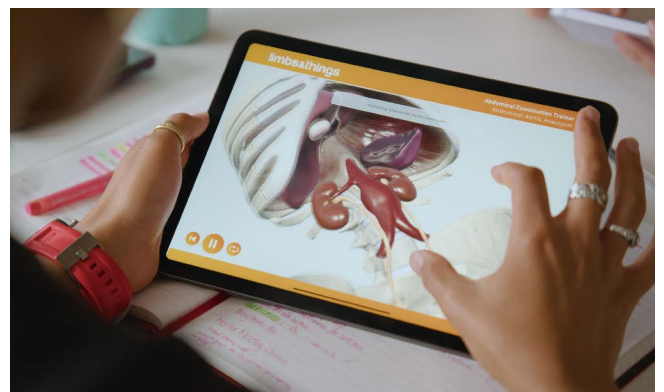
AUGMENTED REALITY TRAINING

ART provides a platform to enhance student learning by understanding anatomy from the inside out.

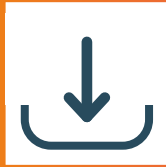
Dive under the skin using our free **Augmented Reality Training app**, to build understanding of anatomical structures and contextualize procedural practice with Limbs & Things models.



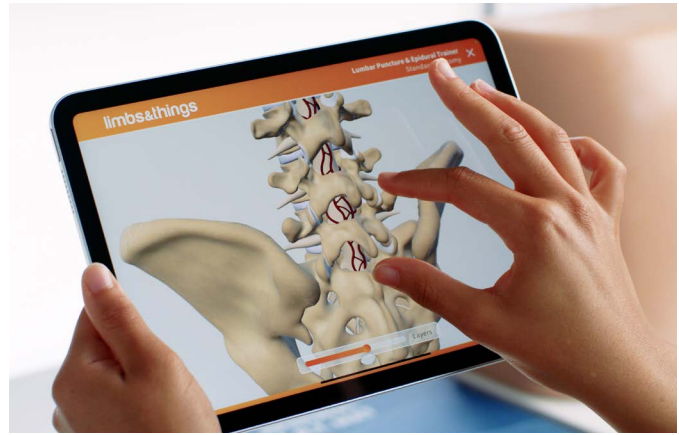
Engage students by bringing classroom learning to life. Learners can use their own devices to view the internal anatomy in Augmented Reality through the ART app.



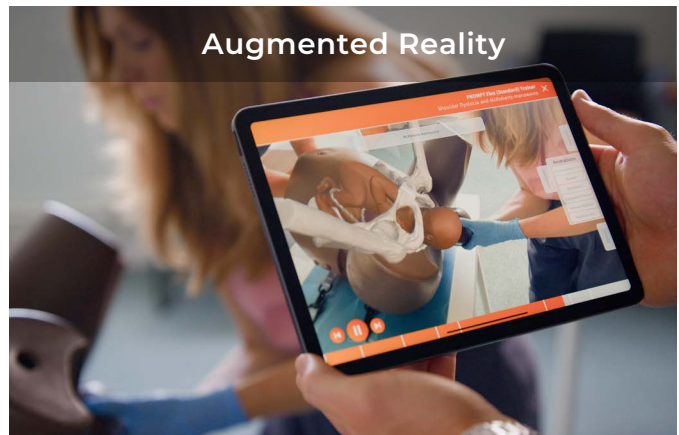
Ideal for independent study. Outside of class, students can continue learning by using the interactive anatomy models.



Download the ART app at
limbsandthings.com/ART



Interactive Anatomy



Augmented Reality

Download the app for free

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

Use with our compatible trainers

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

KEY FEATURES & BENEFITS

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

SKILLS

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

USAGE

- The ART app is compatible with with a tablet or smartphone
- Each compatible product requires a specific mat to activate the ART technology

CARDIOVASCULAR AND RESPIRATORY EXAMINATION (CaRE)

91000

91100



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

The CaRE Trainer has lifelike chest movement, apex beat, pulses, thrills & heaves. Along with 24 heart sound profiles and 10 lung sounds that can be listened to via the LimbPAD.

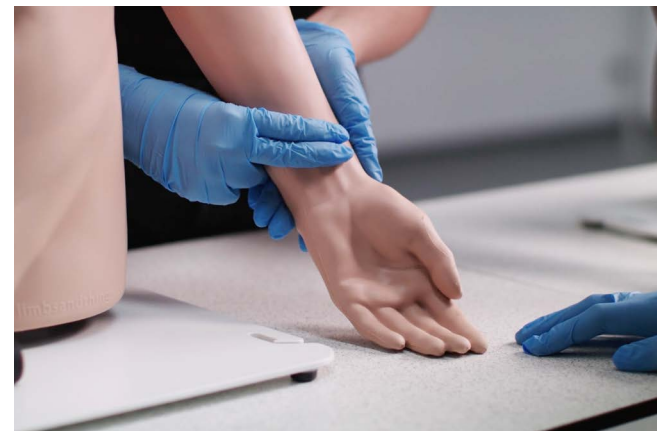
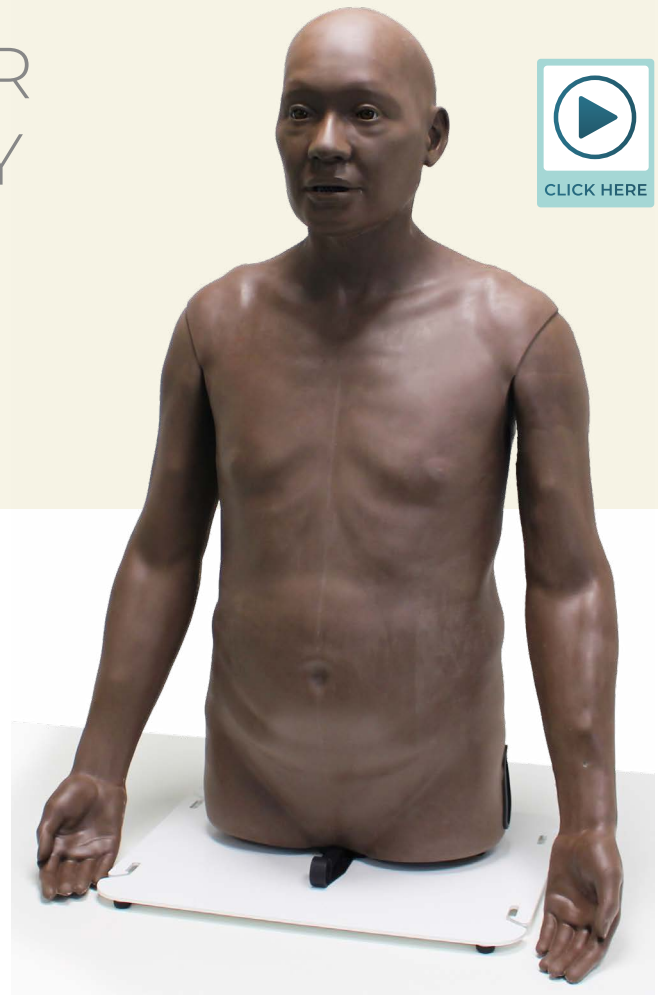
CaRE includes 31 clinical cases that range from common to complex pathologies. The clinical cases showcase the **patent pending** technology with the pulses, lung & heart sounds, mouth sounds and chest movement all synchronizing together. These features synchronizing together allows the model to realistically represent a real patient.

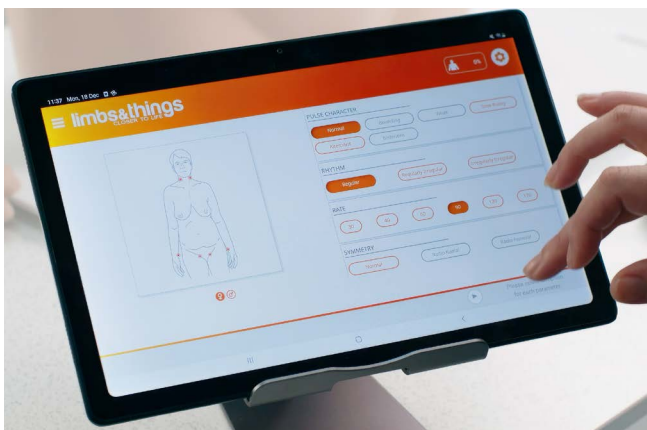
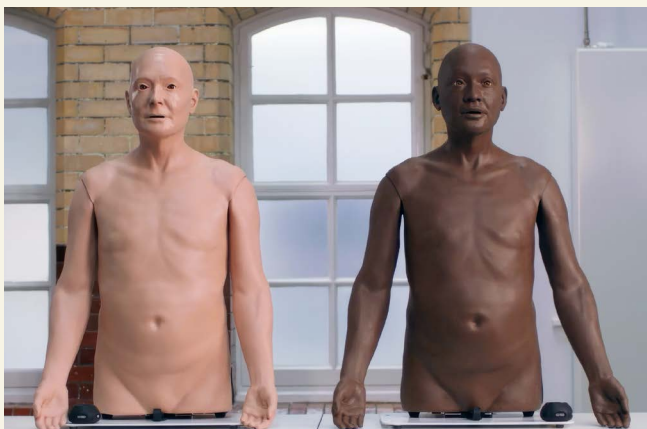
ANATOMY

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

SKILLS

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





QUALITIES

KEY FEATURES

Pulses

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

Apex beats

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

Heaves

- Visible & palpable heaves

Thrills

- Palpable thrills over the 4 heart valves

Trachea

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

Auscultation

- Heart & lung sounds across chest & back
- 24 individual heart sounds
- Each heart sound includes 4 heart valve locations (aortic pulmonary, tricuspid & mitral valves)
- 10 individual lung sounds

Breathing

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

VERSATILITY

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

WHAT'S INCLUDED

- CaRE Torso
- LimbPAD
- Attachable Breasts
- Base & Straps
- Power Cord
- USB C Cable

Abdominal Examination Trainer

60000

60054

An anatomically accurate adult torso, used to teach and practice 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 recognize and differentiate a range of abnormal organs and pathologies.



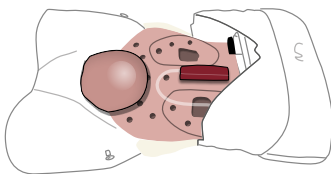
SKILLS

- 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
- Ballotment of kidneys
- Professional-to-patient communication

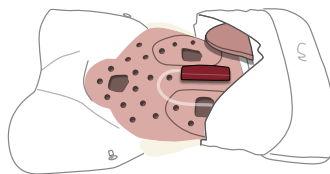


EXAMPLES OF SET UP FOR SCENARIOS

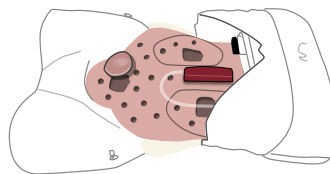
ACUTE URINARY RETENTION - BLADDER



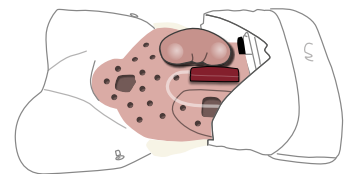
SLIGHTLY ENLARGED LIVER



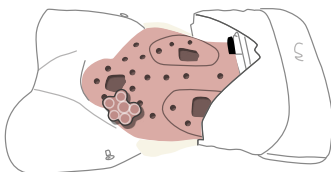
OVARIAN CYST - SMOOTH SOFT MASS



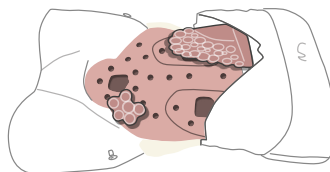
ENLARGED KIDNEY



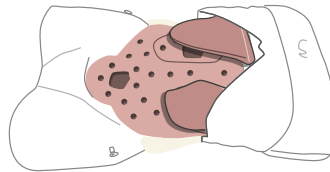
CARCINOMA ON MASS IN LEFT ILIAC FOSSA



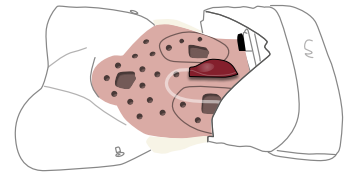
CARCINOMA WITH LIVER METASTASIS



LYMPHOMA



AORTIC ANEURYSM





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

QUALITIES

REALISM

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

VERSATILITY

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

KEY FEATURES

- Interchangeable organs and pathologies of varying sizes can be quickly and easily inserted into the abdomen
- Trainer or simulated patient can vary respiratory movement of liver and spleen
- 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)
ART Mat

Clinical Female Pelvic Trainer (CFPT) - Standard & Advanced


STANDARD

60900

60930

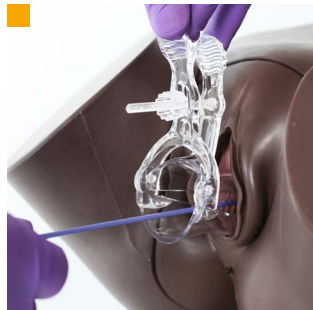
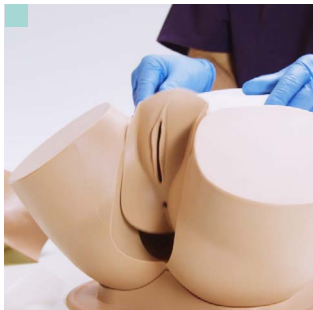
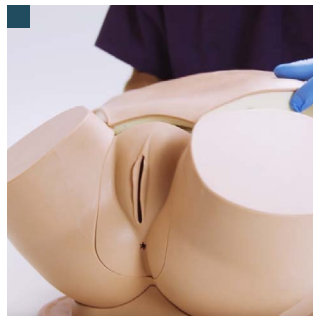
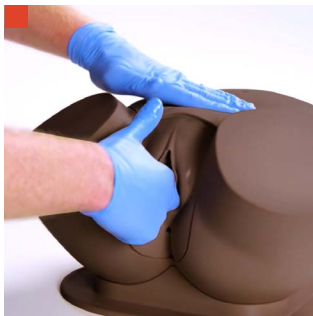


The CFPT is an anatomically accurate and tactile representation of the female pelvis. It is the ideal platform for hands-on examination as well as diagnosis of female conditions and minor pathologies. It can be used for many levels of training from undergraduate onwards, as well as in family medicine.


 Validated in the
International Journal of Gynecology 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



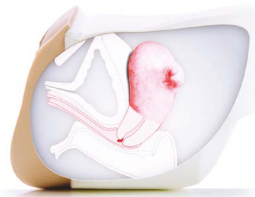
60920 | 60937

MODULE 1
Normal - Nulliparous Cervix



60921 | 60938

MODULE 2
Large Fibroid - Nulliparous Ectropion Cervix



60922 | 60939

MODULE 3
Small Fibroid - Nulliparous Polyp Cervix



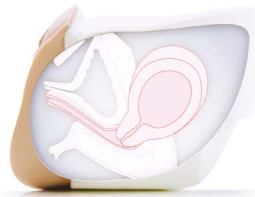
60923 | 60940

MODULE 4
Ovarian Cyst - Multiparous Cervix



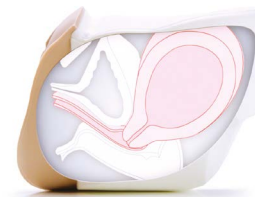
60924 | 60941

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)

Breast Examination Trainer - Advanced, Standard & Basic



ADVANCED

40201

41201



STANDARD

40200

41200



BASIC

40202

41202



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

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



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



This product was developed in close collaboration with leading clinicians:

- Mr. Peter Donnelly, Torbay Hospital, UK
- Clinical Skills Resources Center, University of Liverpool, UK
- Clinical Practice Center, St James's University Hospital, Leeds, UK

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

VERSATILITY

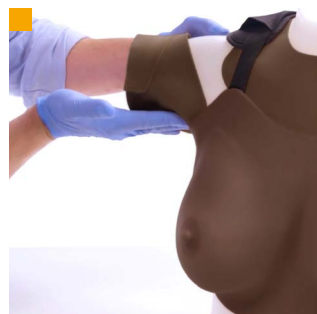
- Comfortable to wear for long periods of time during OSCEs and assessments

SAFETY

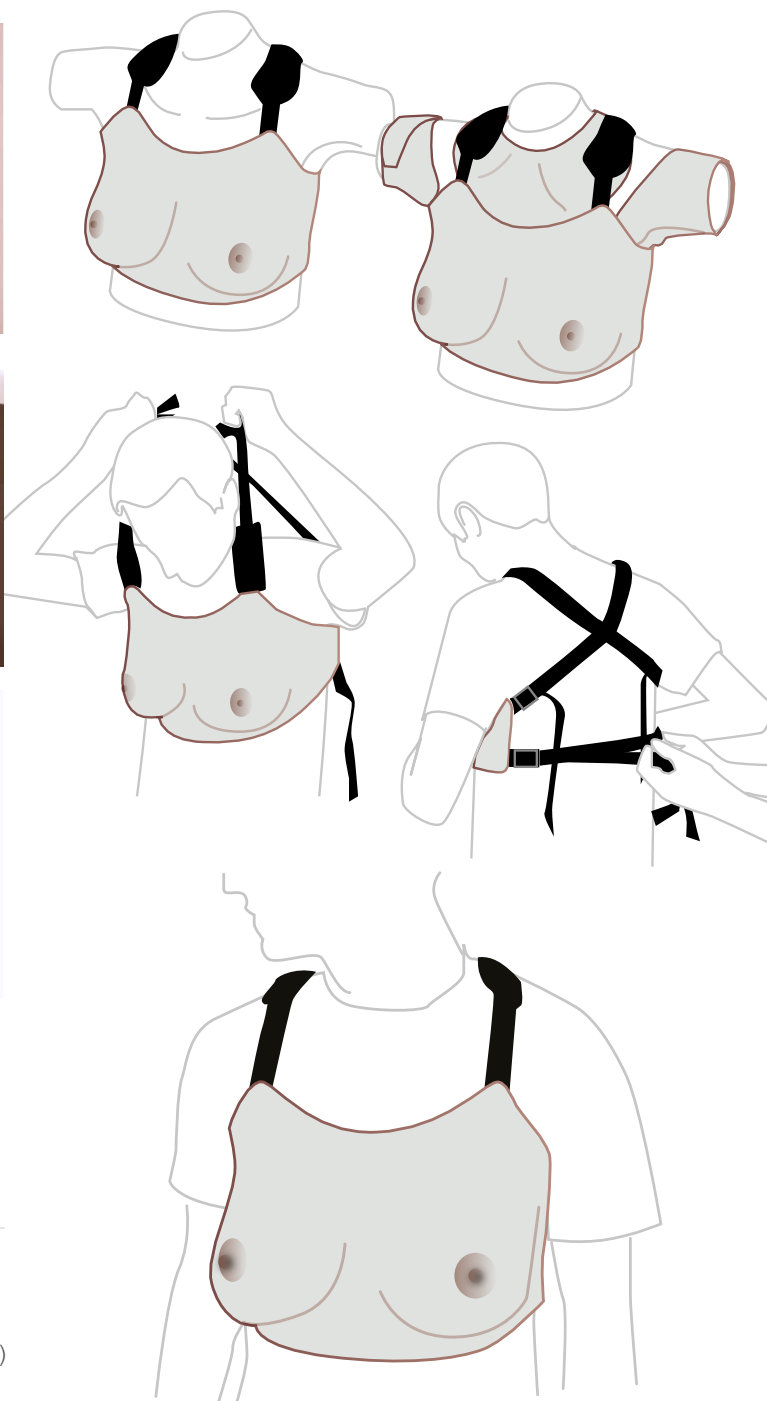
- Latex free

CLEANING & CARE

- Skin surface is washable using soap and water



- 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	✓	✓	x
Lymph Node Pads and Lymph Nodes	✓	x	x

OPTIONAL EXTRAS

40209 Medium Carry Case

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

Male Rectal Examination Trainer - Standard & Advanced

STANDARD

60170 60186

ADVANCED

60171 60187



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

Both models include a contractible anal sphincter, allowing for anal tone assessment and a fecal 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 fecal 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

- *Improved model enhances the realistic feel and durability of trainer
- 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 fecal matter allows trainees to recognize and distinguish this common finding
- High quality illustration pack of 9 external anal conditions

VERSATILITY

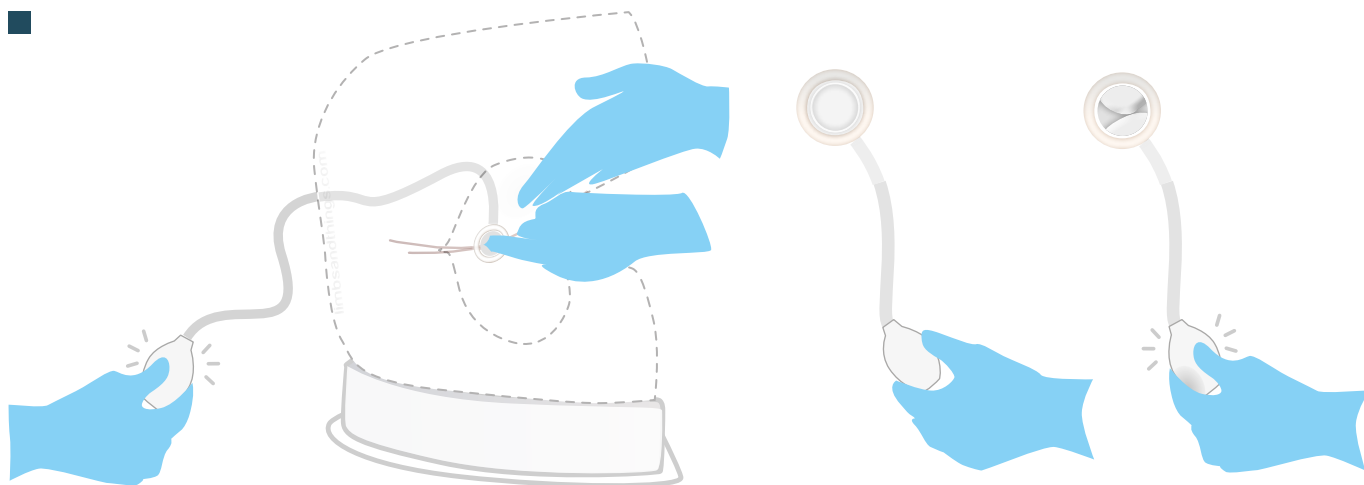
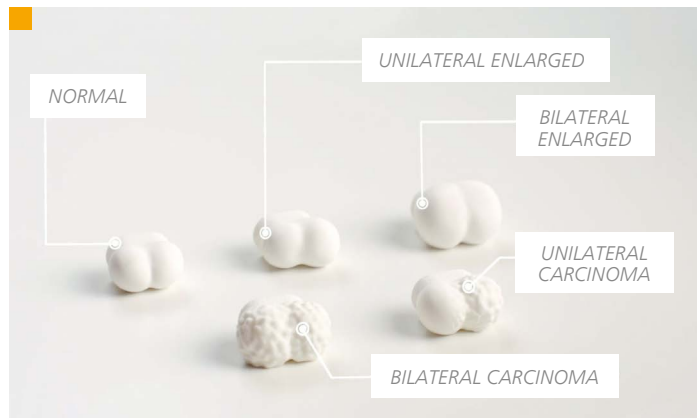
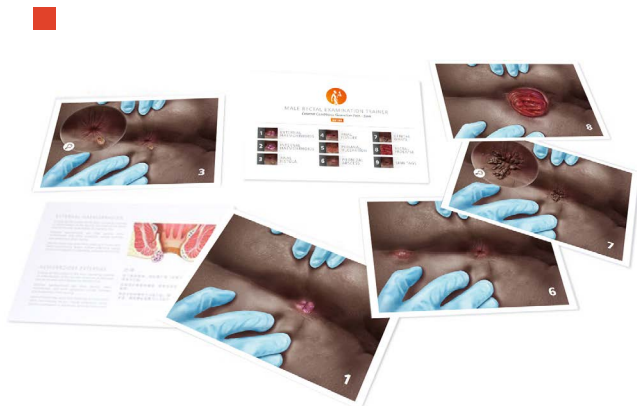
- Trainer can also be presented in 'semi-standing' position using the optional **Standing Position Stand (60172)**

SAFETY

- Latex free

CLEANING & CARE

- Skin surface is washable using soap and water



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

WHAT'S INCLUDED

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

OPTIONAL EXTRAS

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

Clinical Male Pelvic Trainer (CMPT)

STANDARD

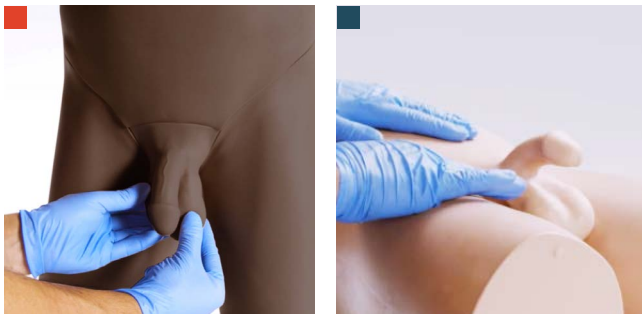


An ideal platform for teaching and learning hands-on male pelvic examination and diagnosis.

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

SKILLS

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



Realistic training experience
Penile cancer

Pelvic examination, supine position
Diagnosis of pathologies



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

Developed in collaboration with:

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

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 tumor 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

This model includes Augmented Reality Training



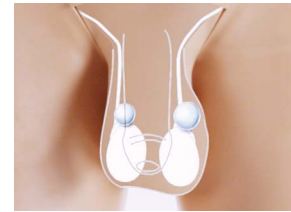
60953 | 60967

MODULE 2
Varicocele



60954 | 60968

MODULE 3
Testicular Tumors & Penile Cancer



60955 | 60969

MODULE 4
Epididymal Cysts



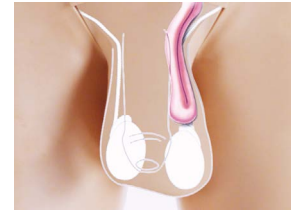
60956 | 60970

MODULE 5
Hydrocele



60957 | 60971

MODULE 6
Orchitis/Epididymo-orchitis



60958 | 60972

MODULE 7
Indirect Inguinal Hernial

WHAT'S INCLUDED

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

Eye Examination Trainers

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

Eye Examination Simulator

KKM82A

KKM82AD



KEY FEATURES

- 10 fundal slides feature real clinical images
- Adjustable dilation 2 steps (3.5mm and 5.0mm), visual axis and depth of fundus slides allow for different degrees of challenge
- Soft and supple material making for realistic eyelid raising.
- Red reflex detectable during examination
- A study guide, covering the cases depicted on the slides, is included to assist in self-study

EYE EXAMINATOR SIMULATOR STANDARD 10 CASES

- Normal eye-ground
- 10 fundus cases of common eye diseases with 90 scenarios possible
- Pupil diameter variations: 2 steps (3.5mm and 5.0mm)
- Hypertensive retinopathy: arteriolar vasoconstriction grade 3, arteriosclerosis grade 1
- Hemorrhages and cotton wool spots, simple vein concealment
- Simple/background diabetic retinopathy: microaneurysm, hemorrhages and hard exudates
- Papilledema (chronic & acute phase)
- Glaucomatous optic atrophy: glaucomatous optic disc cupping and nerve fiber defect
- Retinal vein occlusion (acute phase & after retinal laser photocoagulation)
- Toxoplasmosis: retinochoroiditis
- Age-related macular degeneration
- 3 types of enlarged optic disc recess

SKILLS

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

Digital Eye Examination Simulator

KKMW61

KKMW61D



KEY FEATURES

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

DIGITAL EYE EXAMINATOR SIMULATOR - ENHANCED 40 CASES

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

Ear Examination Simulator II

KKMW12

KKMW12D



QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

- Warning against painful insertion with or without beep
- 9 major clinical cases are prepared:
 - Normal
 - Serous otitis media (SOM)
 - 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

SAFETY

- Latex free

KYOTO KAGAKU

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

The model offers two modes of use:

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

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

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

SKILLS

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



- Examination of the ear with an otoscope
- Head can be tilted to allow for proper positioning
- Foreign body removal can be practiced
- 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

CATHETERIZATION TRAINER RANGE

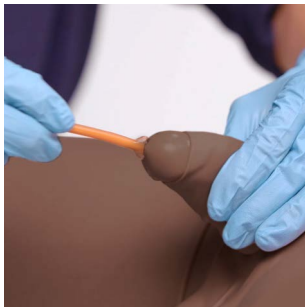


The Catheterization Range facilitates the teaching of urethral and suprapubic catheterization across all levels of training.

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

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

Male Catheterization Trainer



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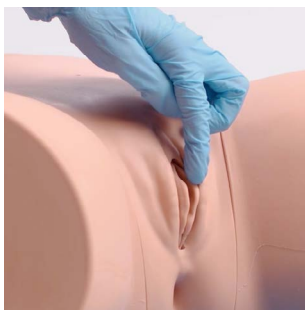
The male trainer has soft and compliant genitalia to enhance the realistic experience of catheter insertion.

Retractable and removable foreskin.

This model includes Augmented Reality Training



Female Catheterization 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.

This model includes Augmented Reality Training



Suprapubic Insertion Unit



60852 60873

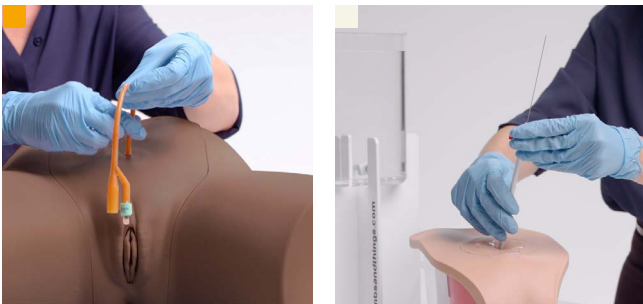
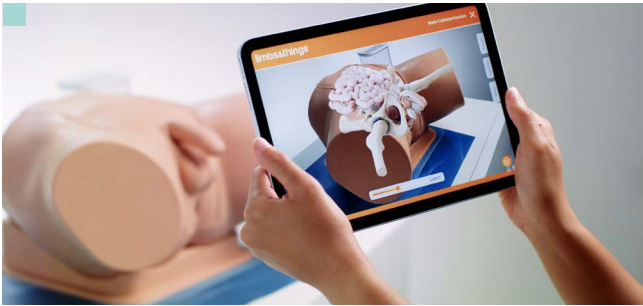
Optional module, designed for advanced skills training, allowing trainees to master ultrasound guided suprapubic catheterization insertion.

Fits into the pelvic shell and stand



SKILLS

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



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

WHAT'S INCLUDED

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

QUALITIES

REALISM

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

KEY FEATURES

- Ability to assess the student's progress
- Ultrasound compatible*
- Easy to set up
- Modular
- Visualize internal anatomy with ART

VERSATILITY

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

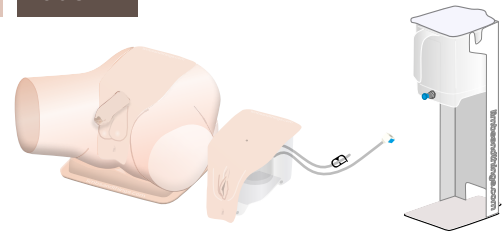
SAFETY

- Trainer is latex free (catheters provided contain latex)
* 60852 | 60873 Only

Standard Catheterization Trainer Set

60853

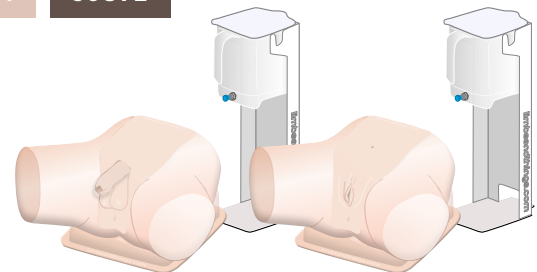
60871



Advanced Catheterization Trainer Set

60854

60872



LUMBAR PUNCTURE & EPIDURAL RANGE



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

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

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

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 with 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 practice loss of resistance technique**
- Obese skin options*
- Optional steeper spine and smaller vertebral spaces*

KEY FEATURES

- Position in left lateral and sitting
- Visualize internal anatomy with ART

VERSATILITY

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

* 61001 | 61024 Only

** 61001 | 61024 | 61002 | 61025 Only



Epidural inserts
Compatible with Augmented Reality Training

SKILLS

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

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

WHAT'S INCLUDED

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

Chest Drain & Needle Decompression Trainer



60230

61230

Our Chest Drain and Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals training in surgical or guidewire assisted thoracostomy and thoracentesis, chest drainage and needle decompression techniques. Chest tube insertion is possible on both types of pad, with the Advance model allowing practice of Seldinger's ultrasound technique.



QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

VERSATILITY

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

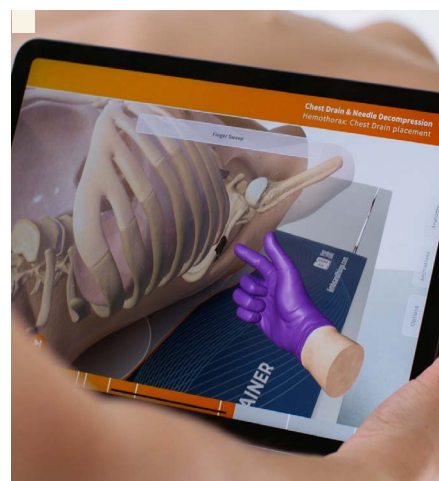
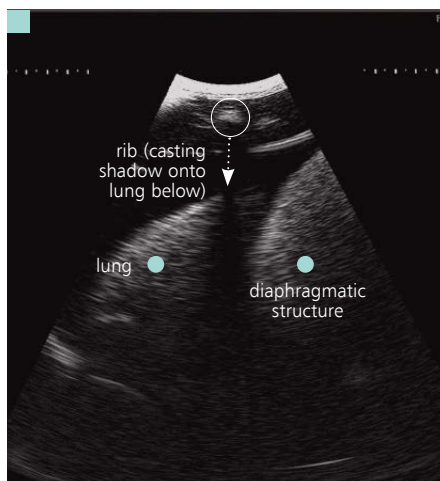
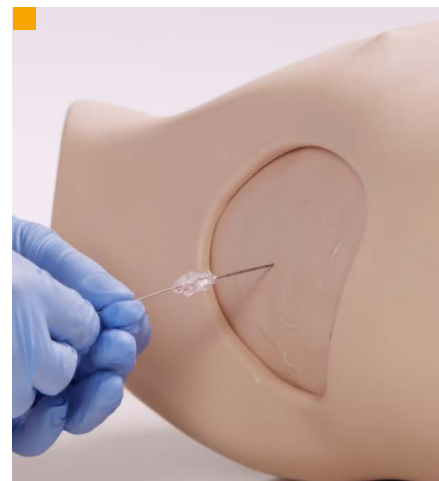
SAFETY

- Latex free

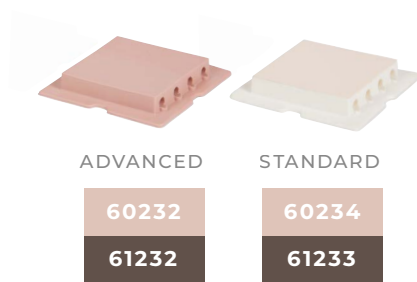
SKILLS

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





**PAD
FEATURE
COMPARISON**



- Blunt dissection
- Chest tube insertion
- Seldinger technique
- Internal anatomy visible under ultrasound
- Realistic needle decompression
- Augmented Reality Training (ART)

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

WHAT'S INCLUDED

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

TCTB10001

TCTB10001DS



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

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

VERSATILITY

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



When should I use the TruMan Trauma X?

TruMan Trauma X enables life-like training in advanced airway management skills for life threatening trauma situations.

Capable of supporting cricothyroidotomy, tracheostomy, chest tube insertion, needle decompression intubation and CPR training.

TruMan Trauma is best suited for scenario & team- based trauma training, as it provides a wider selection of skills.



When should I use the Chest Drain & Needle Decompression Trainer?

This trainer delivers training in both surgical and guidewire assisted thoracostomy and thoracentesis, chest drainage, needle decompression techniques, and chest tube insertion.

Suitable for delivering precision and high fidelity during team training, this model is ideal for realistic ultrasound practice and plural effusion. It can also be used for scenario and team-based trauma training.

This trainer is suitable for ATLS V11 use when paired with the AirSim Combo X airway trainer.



Which would we recommend for you?

TruMan Trauma X

- BLS (CPR Courses)
- ADV Paramedic/ Ambulance Courses
- Intensive Care Medicine

Chest Drain & Needle Decompression Trainer & TruMan Trauma X

- Trauma Centers
- Emergency Medicine Training
- Military / TCCC

Chest Drain & Needle Decompression Trainer

- Undergraduate Medicine
- Ultrasound Courses
- Residency Programs
- Surgical specialists

TruTourniquet

TCTTQ1000

TCTTQ1000DS



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

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

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

TruWound

TCTWO1000

TCTWO1000DS



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

SKILLS

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

QUALITIES

REALISM

- Upper thigh

KEY FEATURES

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

WHAT'S INCLUDED

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

Clean Bleed™ Mat

70400

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 hemorrhage or post-operative bleeds.

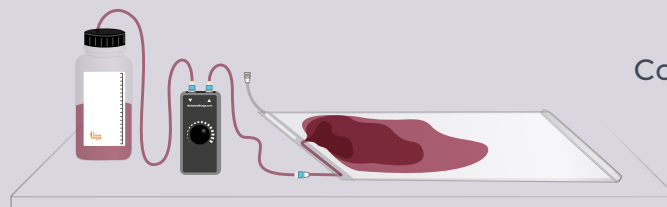


By increasing realism, we develop true to life responses.



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.

How does it work?



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

Designed to support different scenarios

Simulated Patient



Task Trainer



Full Body Manikin



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 color 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)

Basic Intraosseous Trainer

VTA4005

VTA4006

VATA

The Basic Intraosseous (IO) Trainer is a simple training solution for trainees learning and practicing 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
Base

Ultrasound Guided Pericardiocentesis Simulator

KKMW15

KYOTO KAGAKU



This simulator allows trainees to practice 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
- Visualization of pericardial fluid under ultrasound
- Palpation and identification of left xiphisternal junction (Larrey's point) for needle insertion
- Insertion of needle only in pericardial space
- Aspiration of pericardial effusion

QUALITIES

ANATOMY

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

REALISM

- Realistic haptic response for pericardial sac needle tip puncture.

KEY FEATURES

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

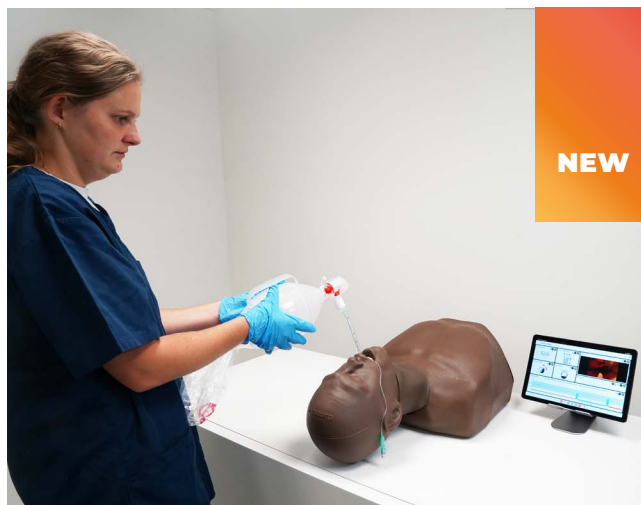
WHAT'S INCLUDED

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

CONSUMABLES

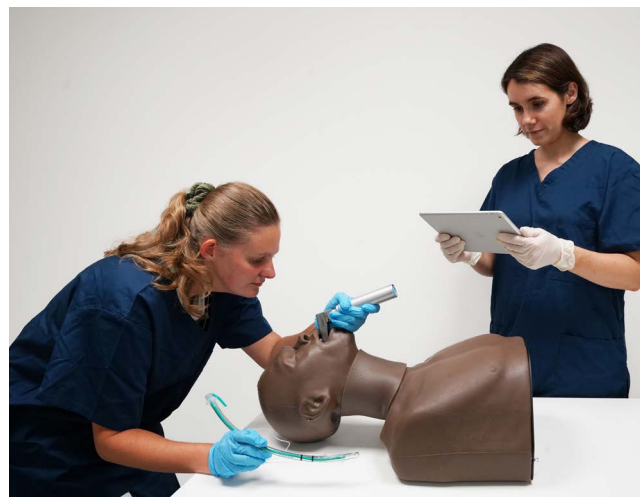
KK11394-010 Puncture Pad for Guided Pericardiocentesis Simulator (x2)

Smart Airway



Smart Airway represents the next evolution of TruCorp's market leading AirSim range. The trainer incorporates sensors for personalized feedback and assessment during airway management training, allowing learners to develop correct technique to perfect their skill.

The model is connected to an easy-to-use app, which allows trainees and educators to view their performance data in three different modes: practice mode, self-directed training, and instructor-led assessment.



SKILLS

- Needle cricothyroidotomy
- Surgical cricothyroidotomy
- Percutaneous tracheostomy
- Double nasotracheal intubation
- (BVM) Bag valve mask ventilation techniques
- Full range of supraglottic device insertion
- Direct laryngoscopy
- Video laryngoscopy
- Sellick maneuver
- Awake fiber optic examination
- Endotracheal tube insertion
- Combi tube insertion

QUALITIES

REALISM

- Adult airway simulation trainer with performance feedback of key metrics
- Supports independent learning with customizable content
- Independent or instructor-led assessment modes

KEY FEATURES

- Realistic adult male torso with visible chest rise and fall
- CT DICOM data for anatomical accuracy
- App Features:
 - Quantitative feedback on performance
 - Customizable assessment criteria
 - Video and theory tutorials
 - Track progress with stored session results
 - Video debriefs

VERSATILITY

- Incorporates TruCorp replacement larynx and neck skins for repeatable training
- Airway test to withstand 20,000+ intubation cycles

AirSim Advance X

TCAA91100X

TCAA91100XDS

AirSim Advance X features the uniquely constructed AirSim X airway and an anatomically correct nasal passage for visual accuracy and realistic feedback during airway management procedure practice.

Durable and true-to-life airway is certified for over 20,000 intubation cycles and has a 5-year warranty. Silicone simulated skin covering offers a lifelike feel and more precise articulation during bag-valve mask ventilation training.

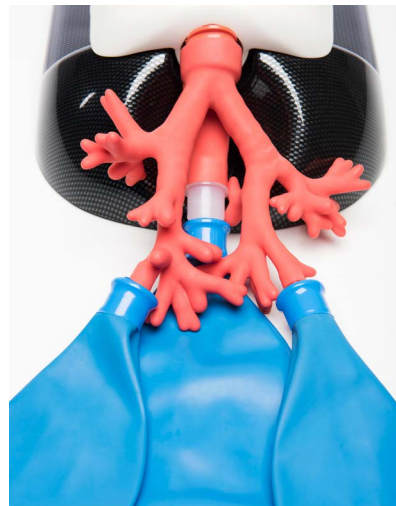


Airsim Advance Bronchi X

TCAA95100X

TCAA95100XDS

This realistic model allows trainees to become familiar with the physical requirements of intubation and ventilation techniques. With the additional bronchioles, users can train in lung suction, and lung isolation techniques, including, bronchial blocker insertion, single and double endobronchial tubes, and specialized stents.



TruCric

TCTCRIC1

TCTCRIC1DS

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

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



AirSim Combo X

TCCTC91100X

TCCTC91100XDS

The TruCorp AirSim Combo X manikin combines intubation and cricothyrotomy training in one life-like model.

The trainer fully supports percutaneous tracheostomies and needle and surgical cricothyrotomies.

Palpable laryngeal inserts, an inflatable tongue, and improved, real-feel skin, give trainees of all abilities, realistic feedback during procedures.



Airsim Combo Bronchi X

TCCTC95100X

TCCTC95100XDS

With the addition of the bronchi, trainees are able to perform diagnostic bronchoscopies, use bronchial barrier devices to perform lung isolation, and practice suction pulmonary secretions.



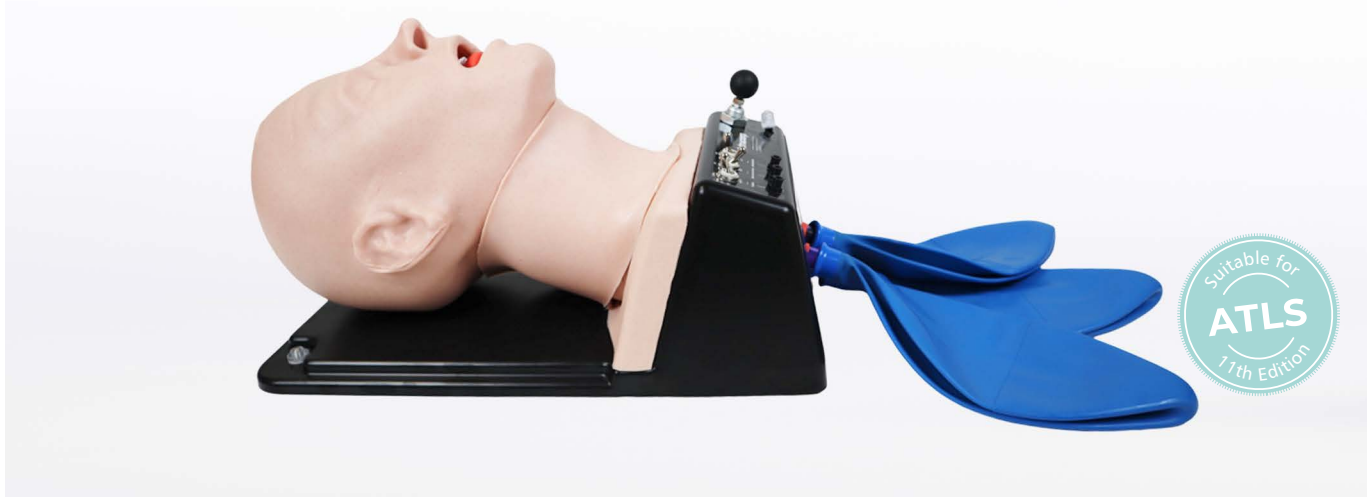
COMPARE MODELS

	TRUCRIC	AIRSIM ADVANCE X	AIRSIM ADVANCE BRONCHI X	AIRSIM COMBO X	AIRSIM COMBO BRONCHI X
Oral / nasal intubation	x	✓	✓	✓	✓
Bag Valve Mask ventilation (BVM)	x	✓	✓	✓	✓
Supraglottic device insertion	x	✓	✓	✓	✓
Direct / video laryngoscopy	x	✓	✓	✓	✓
Bronchoscopy	x	x	✓	x	✓
Needle cricothyrotomy	✓	x	x	✓	✓
Surgical cricothyrotomy	✓	x	x	✓	✓
Percutaneous tracheostomy	✓	x	x	✓	✓
Nasogastric tube insertion	x	✓	✓	✓	✓

AirSim Difficult Airway

TCDA91100

TCDA91100DS



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

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

QUALITIES

REALISM

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

KEY FEATURES

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

SKILLS

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

AirSim Baby X



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

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

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

AirSim Child Combo X



Ideal for practicing 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 & supraglottic device insertion
- Combi tube insertion
- Awake fiber optic intubation
- Video laryngoscopy
- Bag & mask ventilation techniques

QUALITIES

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

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

Pierre Robin X



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

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

Ultrasound Vascular Access Trainer

60530



An echolucent and contoured model with representation of the jugular vein for teaching needle insertion under ultrasound. Fluid volume and pressure can be changed to represent variability in patient circulation. The trainer is self-sealing for repeated use.

TruNerve Block

TCTNB110

TCTNB110DS

 **trucorp**



TruNerve Block is a 3-in-1 learning module designed for trainee anesthetists to develop, practice and maintain the necessary skills to perform ultrasound-guided regional anesthesia and vascular access procedures. The model features a fractured bone structure, embedded vessels, and additional nerve bundles for regional anesthesia.

TruIV Block

TCTIV100

TCTIV100DS

 **trucorp**

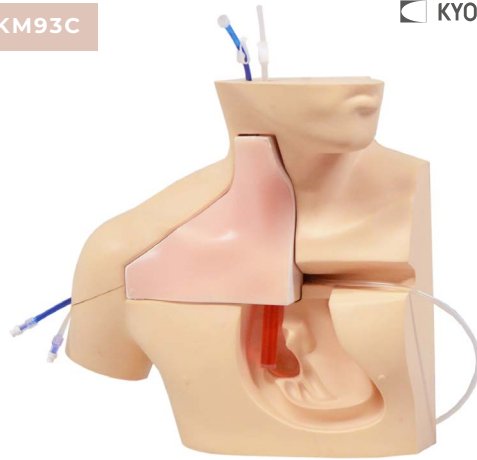


The TruIV Block allows learners to gain proficiency in the skills associated with IV cannulation. Featuring 8 veins (superficial and deep) ranging from 4-8mm in diameter, users can practice the use of ultrasound during IV procedures. This easy to set up model is realistic and durable allowing for approximately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

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 & the internal carotid artery
- Navigation of needle under ultrasound & recognition of correct vessels
- Subclavian, supraclavicular, axillary & internal jugular approach to catheterization

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 & carotid arterial pulsation

KEY FEATURES

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

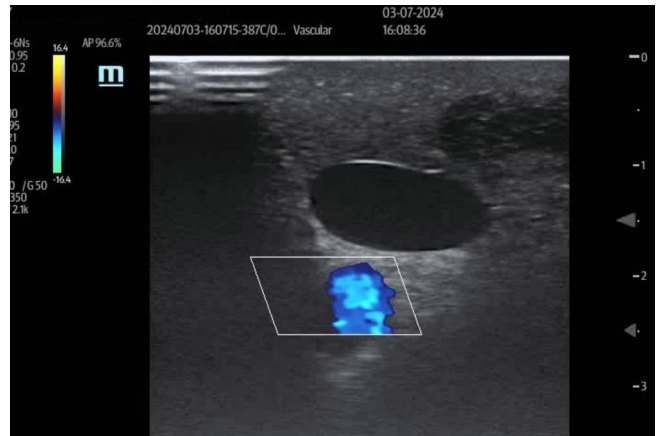
WHAT'S INCLUDED

Male Upper Torso Manikin	Plastic Jars
CVC Pads (x2)	Irrigation Bottle
Transparent Anatomical Block	Syringe
Skin for Cannulation Training	Sample Needle
Air Bulb	

TCTCVC100

TCTCVC100DS

NEW



TruCVC is the latest addition to TruCorp’s ultrasound-guided task trainers, specifically designed to aid in central venous catheter (CVC) insertion. With realistic and accurate vascular anatomy, TruCVC offers unmatched realism to aid in developing central line skills.

With its user-friendly base, the upper torso can be adjusted to a 15 degree angle for Trendelenburg positioning, allowing the trainer to simulate the elevation of the patients’ lower limbs.

SKILLS

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

QUALITIES

OVERVIEW

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

ANATOMY

Clinical Anatomy:

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

Vascular Anatomy:

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

REALISM

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

TruPICC

TCTPIC100

TCTPIC100DS

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



SKILLS

Ultrasound-guided PICC Line Insertion

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

Intravenous (IV) Cannulation Techniques

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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



■ PICC line Insertion
■ IV access

Ultrasound Guided PICC Training Simulator

KKMW18

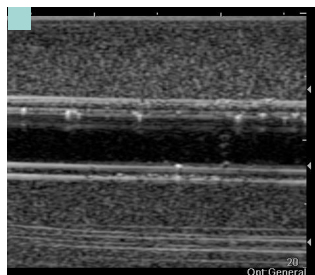
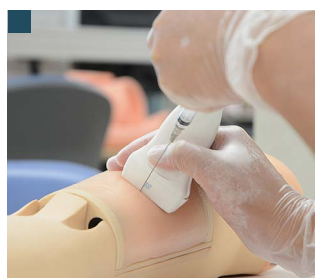
 KYOTO KAGAKU






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



SKILLS

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



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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

- Excellent image quality and visualization 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

Arterial Puncture Wrist

KKM99

KKM99D

 KYOTO KAGAKU


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

SKILLS

- Palpation of radial artery
- Radial artery puncture
- Arterial blood sampling
- Radial arterial line placement

QUALITIES

REALISM

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

KEY FEATURES

- Pressure of pulse is variable
- Flashback can be observed

VERSATILITY

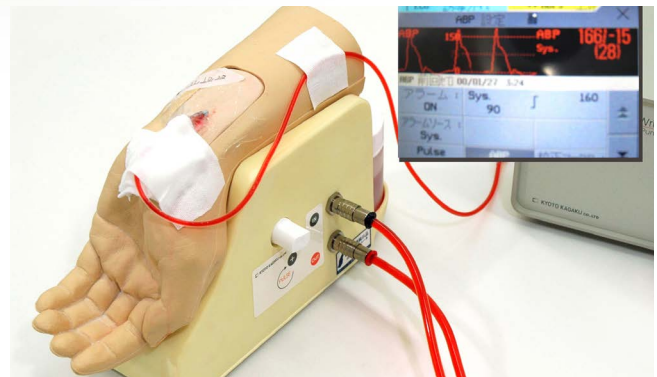
- Puncture sites not visible after use
- One-touch, leak free connectors

CLEANING & CARE

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

WHAT'S INCLUDED

Skin Sets (Inner & Outer)
Silicon Belt
Artery Tubes (x4)
Wrist & Hand Model with Circulation Pump
10 Cotton Swabs Red & Spoon
Plastic Jars (x2)
Connection Tubes (x2)
Syringe
Vinyl Sheet
Case



IABP Measurement
(Arterial pressure values are not simulated)

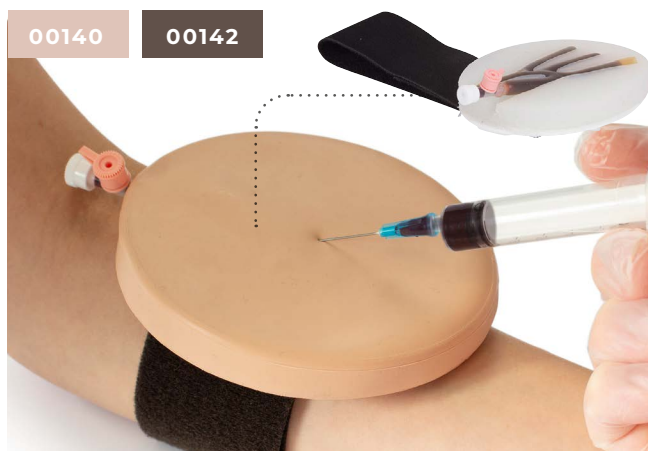


Radial Arterial Line Placement



Radial Arterial Puncture

ACF Pad - Venipuncture



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

SKILLS

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

WHAT'S INCLUDED

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

QUALITIES

KEY FEATURES

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

VERSATILITY

- Only use Mock Blood - Venous (250ml) (**00223**) to refill these veins
- Compatible with Mock Blood Giving Set (**60651**)

SAFETY

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

CLEANING & CARE

- Replaceable epidermis
- Washable using soap and water

Three Vein Pad - Venipuncture



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

SKILLS

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

WHAT'S INCLUDED

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

Extended ACF Pad - Venipuncture

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

Improved, unidirectional skin texture.



VENIPUNCTURE ARMS - Standard, Advanced & Basic



The Venipuncture Arms Range provides the ideal training platform for practicing the skills related to venipuncture and IV cannulation.

Suitable for undergraduate and postgraduate level training.



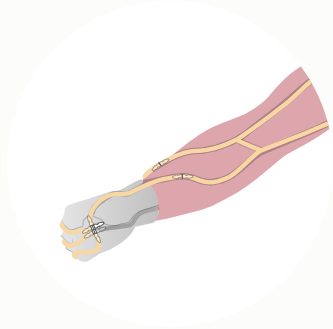
Our patented skin* locking mechanism ensures the model is easy to re-skin while maintaining the lifelike haptics of the underlying and fully palpable basilic, cephalic and dorsal metacarpal veins.

Standard Venipuncture Arm

70302

70303

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



Basic Venipuncture Arm

70304

70305

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

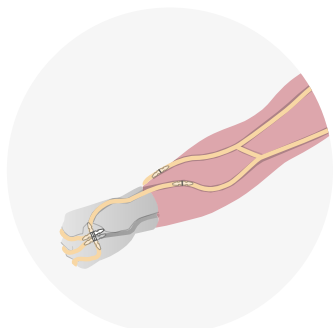


Advanced Venipuncture Arm

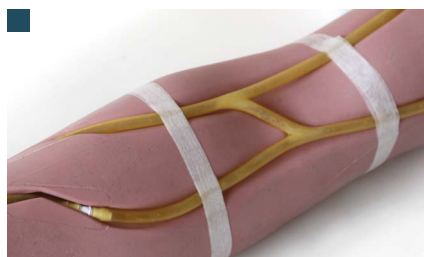
70300

70301

The Advanced Venipuncture Arm features ACF vein anatomy which is connected to a pressurized fluid system for a spill-proof blood supply.



* PCT/GB2021/052719



SKILLS

- Venipuncture
- IV Cannulation
- IV Infusion
- Practice of aseptic technique

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

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 Pressurized 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

WHAT'S INCLUDED

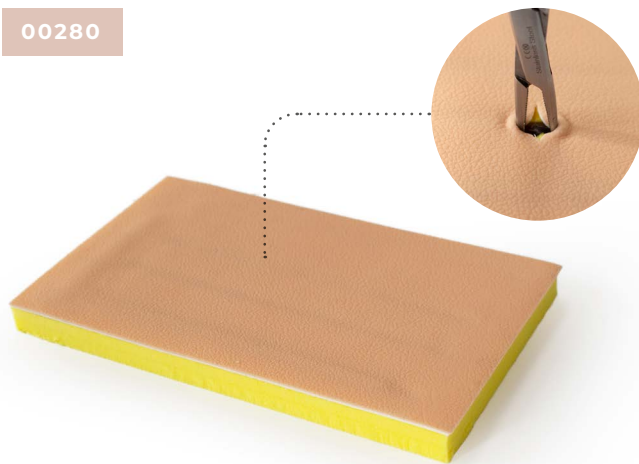
	BASIC	STANDARD	ADVANCED
Venipuncture Arm	✓	✓	✓
Venipuncture Arm Skin	✓	✓	✓
Basic Venipuncture Arm Vein	✓	x	x
ACF Vein Module	x	✓	✓
Metacarpal Vein Module	x	✓	✓
Gravity fed blood system	✓	✓	x
Pressurized blood pump system	x	x	✓
Concentrated Venous Blood - Starter Pack	✓	✓	✓
Venipuncture Arm Rest	✓	✓	✓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

VALUE PACKS

	ADV PACK (MIXED) 70318	STD PACK (MIXED) 70324	ADV PACK (LIGHT) 70313	ADV PACK (DARK) 70314	STD PACK (LIGHT) 70322	STD PACK (DARK) 70323
Adv Trainer (Light)	2	x	5	x	x	x
Adv Trainer (Dark)	2	x	x	5	x	x
Std Trainer (Light)	x	2	x	x	5	x
Std Trainer (Dark)	x	2	x	x	x	5
Arm Skin (Light)	2	2	5	x	5	x
Arm Skin (Dark)	2	2	x	5	x	5
ACF Vein Modules	4	4	5	5	5	5

Cutdown Pad

00280



An effective training for caregivers and medical professionals who work with patients receiving enteral

Injection Trainer

00310

00312



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.

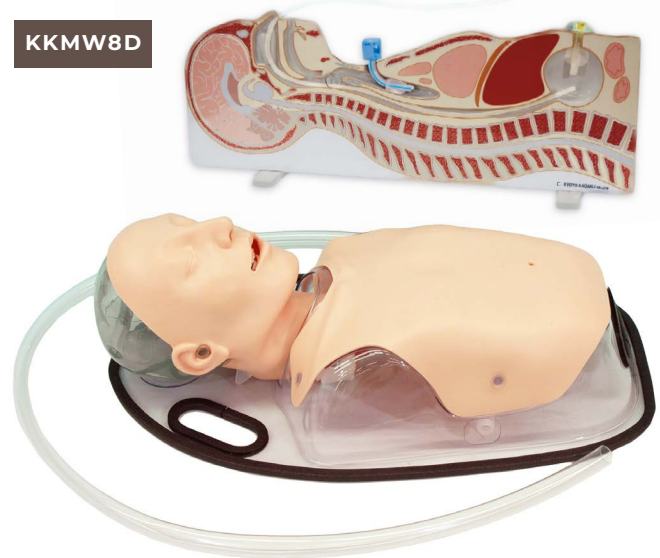
SKILLS

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

Tube Feeding Simulator

KKMW8

KKMW8D



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 Orogastic (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
Lubricant

Paracentesis Trainer

60100

60111



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

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

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 practiced (side by side)
- Internal echogenic anatomy to allow recognition of landmarks under ultrasound
- Two 3.5 liter chambers can be filled with water for practicing 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



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

SKILLS

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

WHAT'S INCLUDED

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

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.

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 catheterization
- Enema
- Suppository insertion
- Perineal care
- Wound dehiscence care
- Wrapping of dressings

WHAT'S INCLUDED

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



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

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



Visit limbsandthings.com
for more information about Optional Consumables

Patient Care Simulator “Cherry”

KKMW22

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



KYOTO KAGAKU



- 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 catheterization
- 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

BSS Day 1 Kit

50070



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
- Hemostasis Pad

BSS Day 1 Refill Pack

50072



WHAT'S INCLUDED

- Skin Pad
- Bowel
- Hemostasis Pad
- BSS Lesion & Cyst
- Tendon

BSS Day 2 Kit

50071



WHAT'S INCLUDED

- BSS Abscess
- BSS Traumatic Wound with Simulated Foreign Bodies
- BSS AOCT Pad
- BSS AOCT Frame
- Drain
- 8mm x 140mm Artery
- 8mm x 76mm Graft Patch

BSS Day 2 Refill Pack

50073



WHAT'S INCLUDED

- AOCT Pad with Drain
- BSS Abscess
- BSS Traumatic Wound
- Artery with Graft Patch

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).



Double Layer Bowel

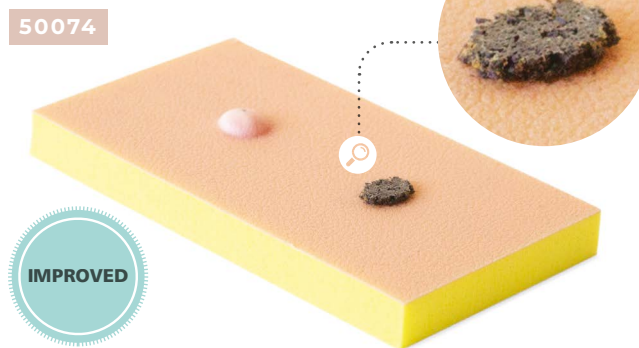


50061
30mm
OUTSIDE DIAMETER

50065
20mm
OUTSIDE DIAMETER

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

BSS Lesion & Cyst



50074

IMPROVED

For the practice of skin lesion removal, local anesthesia 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**).

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**).

BSS Abscess



50075

IMPROVED

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

Professional Abdominal Opening & Closure Trainer (AOCT)



60430

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

BSS Surgical Skills Board



50051

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

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 Program.

- 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 anesthesia
- Other methods of wound closure

Hands-on Kit

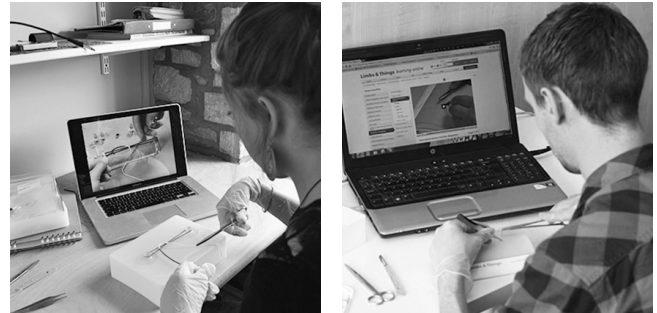
STP-KIT

STP-KIT-DST



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

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



WHAT'S INCLUDED

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

CHOOSE YOUR PRODUCT

STP-PRO-COM

STP-PRO-SUB

STP-KIT

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

✓
✓

✓
x

x
✓



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

Lesions Pad

00085



Developed in conjunction with a leading US dentistry school.

The Lesions Pad features 3 common morphologies that promote the recognition of identifiable landmarks and the practice of various biopsy procedures and suturing techniques.

SKILLS

- Designed to promote the recognition of common oral pathologies: papule, macule and ulcer
- Also suitable to promote the recognition of simple dermal pathologies
- Incision biopsy
- Excision biopsy
- Punch biopsy
- Planning of oral and minor surgical and suturing techniques

QUALITIES

KEY FEATURES

- Cost effective pad allows several biopsy attempts
- Pad dimensions: 125mm x 72mm

VERSATILITY

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

SAFETY

- Latex free

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 practicing core skills associated with wound closure.

SKILLS

- Making an incision
- Application of skin adhesives
- Interrupted suturing & 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

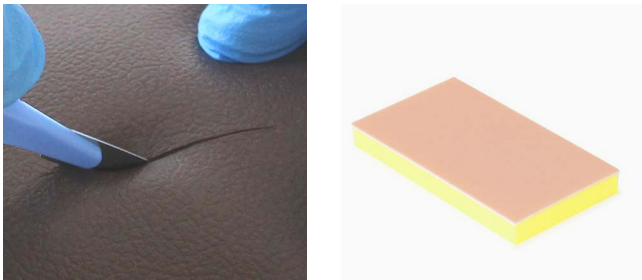
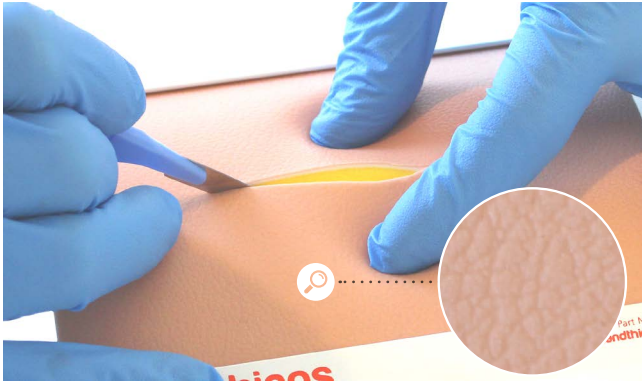
- Use with the Skin Pad Jig Mk 3 (00550)

SAFETY

- Latex free

Professional Skin Pad

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



An advanced 3 layer skin pad for demonstrating and practicing 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

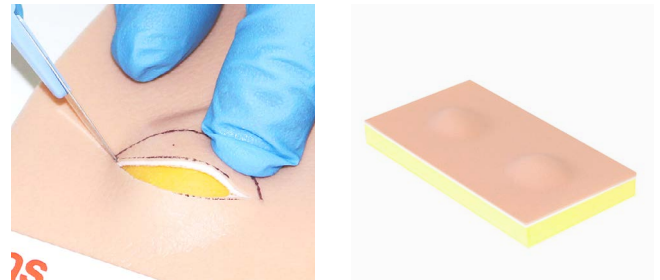
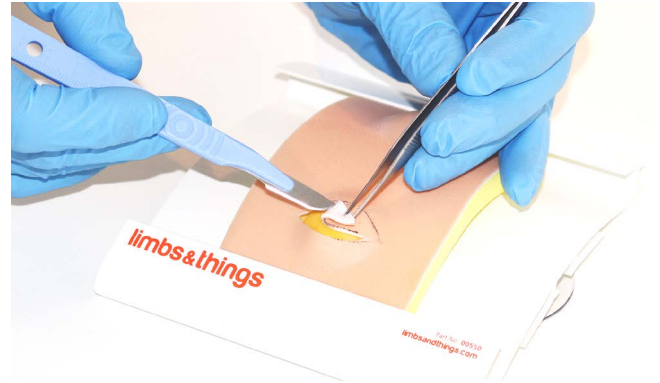
- Serves the needs of both specialist and beginner
- Use with the Skin Pad Jig (**00550**)

SAFETY

- Latex free

Lipoma Pad

00081



For practicing 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

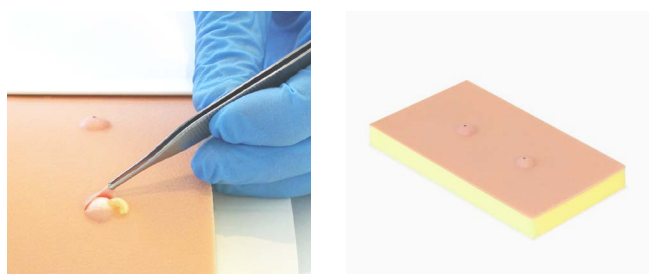
- Use with the Skin Pad Jig (**00550**)

SAFETY

- Latex free

Sebaceous Cyst Pad

00071



For practicing 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

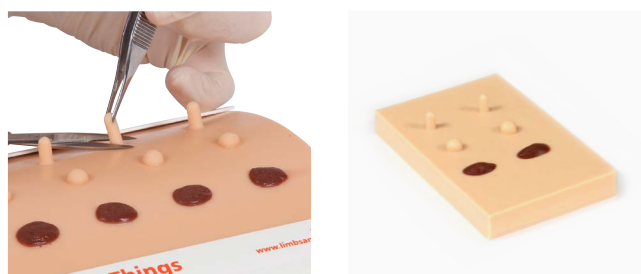
- Use with the Skin Pad Jig (00550)

SAFETY

- Latex free

Curettage, Snip & Shave Excision Pad

00104 SMALL (x4)



Combines a number of skin lesions (tags, naevi, seborrheic 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 seborrheic keratoses to be removed using curettage technique

KEY FEATURES

- Cost effective: large pad with 4 skin tags, 4 naevi and 4 seborrheic 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 (00550)

SAFETY

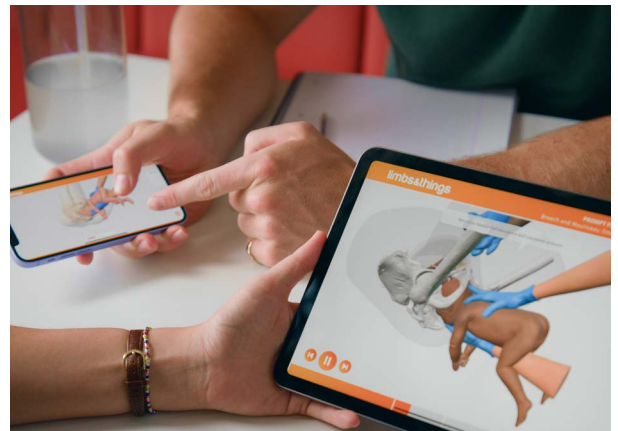
- Latex free

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 practice of normal and difficult births (including shoulder dystocia) to improve outcomes for mothers and babies during childbirth.



Augmented Reality Training (ART) allows learners to explore internal anatomy on their tablet or smartphone while using the physical model.



Free to download, learners can explore the anatomy of some of our core training models in interactive 3D.

Additional modules

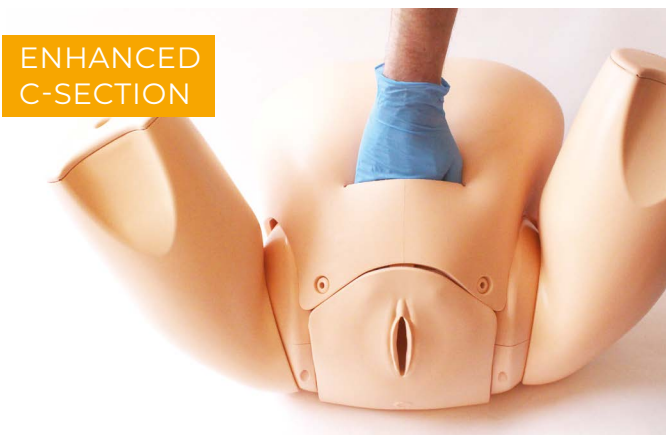
Fit either the Standard or the Advanced units allowing you to tailor your training needs.



PPH



CERVICAL DILATATION & EFFACEMENT



ENHANCED C-SECTION



ASSISTED VAGINAL BIRTH



POSTPARTUM HEMORRHAGE KIT



CERVICAL CERCLAGE

* Find out more on our website

Clean Bleed™ Mat

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



See page 33 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.



This model includes Augmented Reality Training

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



This model includes Augmented Reality Training

QUALITIES

ANATOMY

- Birth canal and cervix
- Ischial spines and pubic bone
- Gynecoid 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	✓	✓
ART Mat	✓	✓



ART

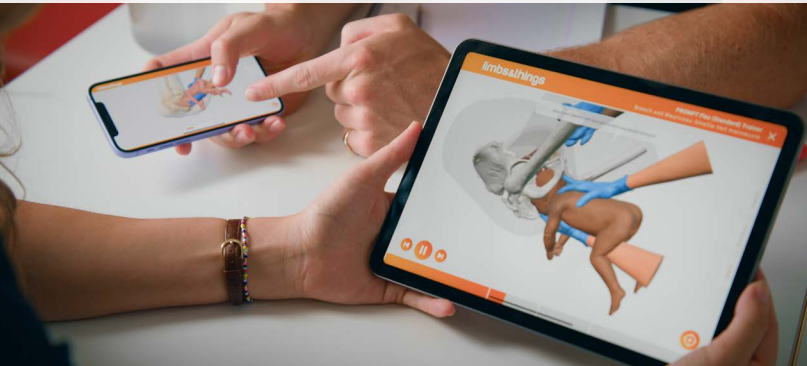
AUGMENTED REALITY
TRAINING

NEW

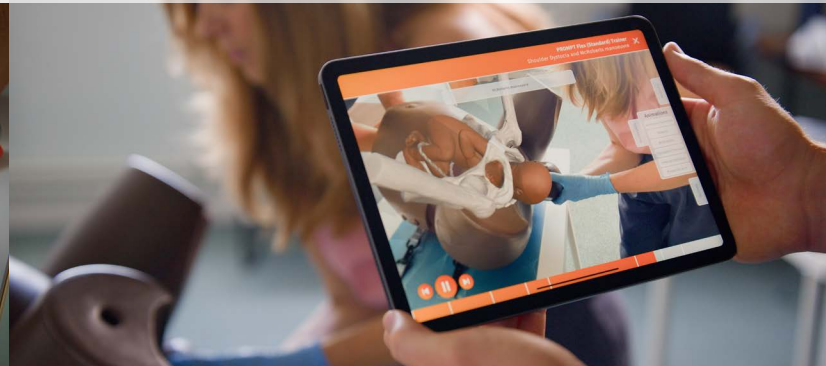


Introducing Augmented Reality Training (ART) for PROMPT Flex.
Dive under the skin and bring learning to life.

Interactive Anatomy



Augmented Reality



Download the app for free

Through the app, learners can explore 360° views of the birthing process enabling visualization of areas that can be restricted in real life, including correct hand positioning. Explore multiple anatomical layers and detailed labels, making the app a powerful study tool.

Use with PROMPT Flex in class

Add context for the learner through augmented reality. They'll be able to associate underlying anatomy with the trainer and visualize the movements of the baby increasing visual and spatial understanding of the different stages of labor.

KEY FEATURES & BENEFITS

- Visualize the key pieces internal anatomy
- Rotate anatomy in 360°
- Detailed anatomical labels
- Provides variation in anatomy
- Animation showing the baby's movement & interventions
- Linking internal anatomy to physical products & procedures

No license fees.

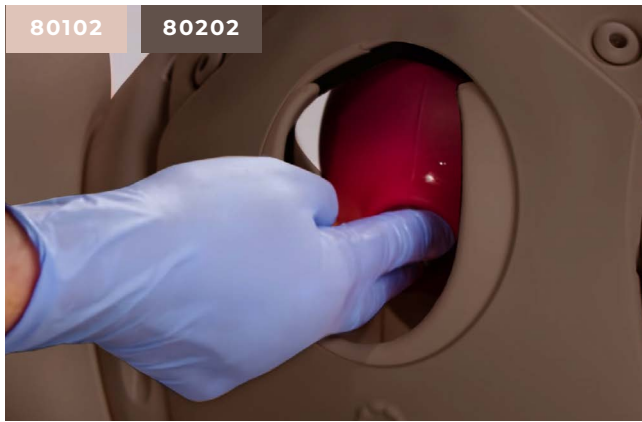
SKILLS

- Gaining an increased understanding of internal anatomy
- Increasing knowledge of maneuvers & interventions
- Visualize the baby's head in relation to the pelvis, gaining a deeper understanding of each stage of labor

Find out more at
limbsandthings.com/ART



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



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

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

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 labor 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 labor
- 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



Fetal station adjustment (-3 to +3)

Cervical Dilation (1-10cm)

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

Maternal Hemorrhage Simulator

80109

80209

Includes the CD&E Module and the PROMPT Flex Birthing Mother. Ideal for those who want to dive into training but don't already own a Birthing Mother or those who want to add another Birthing Mother to create multiple learning stations.

WHAT'S INCLUDED

80102

80202

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

Assisted Vaginal Birth Module (AVB) - PROMPT Flex



80310 80410

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

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



QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

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

SAFETY

- This product is latex free

SKILLS

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

WHAT'S INCLUDED

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

Enhanced Cesarean Section Module (ECSM) - PROMPT Flex

80300

80400



Ideal for practicing the necessary skills required when performing both routine and complex cesarean 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 maneuvers.

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

- Manual cephalic extraction maneuvers
- Vaginal push up
- Reverse breech extraction (pull technique)
- Patwardhan's technique

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 maneuvers
- Pre-incised skin allows easy repeat delivery practice
- Realistically mimics the restrictive space of the pelvic inlet for IFH maneuvers
- Accommodates retraction using metal, plastic or rubber retractors

VERSATILITY

- Allows for training in routine and complex cesarean 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

80300

80400

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

Postpartum Hemorrhage 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.

PPH Module supports training to meet the Joint Commission requirement that JCAHO accredited facilities conduct maternal safety insitu training including PPH.



QUALITIES

REALISM

- Atonic uterus can simulate contraction on fundal massage

KEY FEATURES

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

VERSATILITY

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

SKILLS

	PPH MODULE	PPH KIT
80101		80112
80201		80212

Management of postpartum bleeding:

• Fundal massage	✓	✓
• Bi-manual compression	✓	✓
• Hemostatic balloon insertion & management	✓	✓
• Communications skills with mother	✓	✓
• Intramuscular injection	✓	✓
• Estimating blood loss	✓	✓
• Common types of compression suture	x	✓
• Dissection of broad ligament	x	✓
• Ligation of uterine arteries	x	✓



WHAT'S INCLUDED

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

Maternal Hemorrhage Simulator

80112 **80212**

Includes the PPH Module and the PROMPT Flex birthing Mother with abdomen skin. Ideal for those without a birthing mother who want to jump into training with the PPH module or those who want an extra PROMPT Flex to create multiple learning stations.

Postpartum Hemorrhage Kit

80112 **80212**

For the management of postpartum bleeding and care including performing a compression suture and ligating the uterine artery.

KEY FEATURES

- Includes the PPH module
- Has a uterus suitable for all common types of compression sutures
- Practice ligation of the uterine artery
- Dissection of broad ligament



WHAT'S INCLUDED

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

ECOSystems with Birthing Simulator PROMPT Flex




These ECOSystems provide all the equipment required to run the American College of Obstetricians & Gynecologists **Emergencies in Obstetric Courses (ECO)**

SKILLS

- Communication and team work skills (SP)
- Shoulder dystocia
- Postpartum hemorrhage
- Umbilical cord prolapse
- Vaginal breech delivery

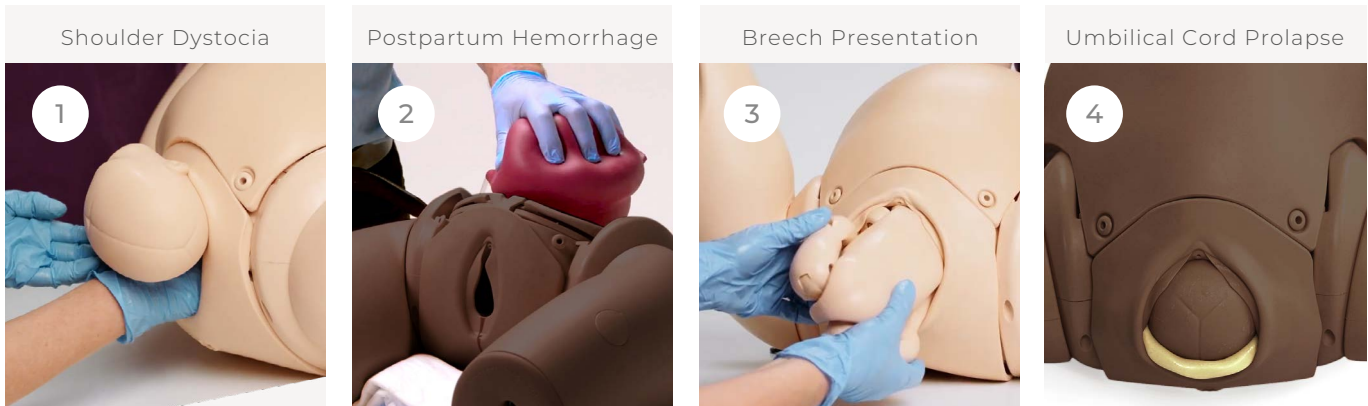
3 SIZES

The 3 ECOSystems have been designed to offer affordable and portable training for varying sizes of teaching groups from 1 to over 10 learners

ECOSystem Small	ECOSystem Intermediate	ECOSystem Large
80197 80297	80198 80298	80199 80299
1-5 learners 1 station at a time	5-10 learners 2 stations at a time	+10 learners 4 stations at a time
		

5 STATIONS

There are 5 teaching stations in total for ECO (5th being communication). Each ECOSystem provides all the equipment needed.



WHAT'S INCLUDED

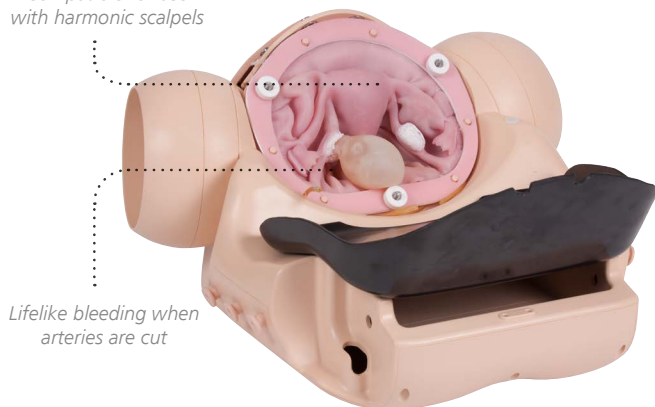
	ECOSystem Small	ECOSystem Intermediate	ECOSystem Large
Birthing Simulator - PROMPT Flex - Standard	×	✓	✓ (x2)
Birthing Simulator - PROMPT Flex - Advanced	✓	✓	✓
Postpartum Hemorrhage Kit - PROMPT Flex	✓	✓	✓
Birthing Mother - PROMPT Flex	×	×	✓
Abdomen - PROMPT Flex - Standard/Advanced	×	✓	✓
Piper Forceps	✓	✓	✓

Surgical Female Pelvic Trainer (SFPT) Mk 2

60251

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

Compatible for use
with harmonic scalpels



Lifelike bleeding when
arteries are cut

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

QUALITIES

ANATOMY

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

REALISM

- Insufflation of abdomen is represented

KEY FEATURES

- Provides practice and role playing for gynecological 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 gynecology 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

Midline Perineal Repair Trainer

61140

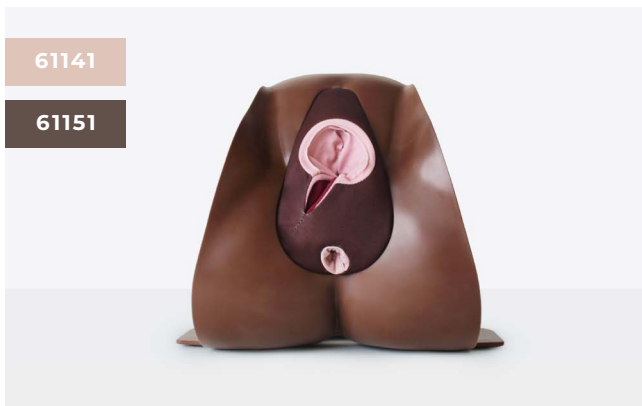
61150



Mediolateral Perineal Repair Trainer

61141

61151



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

SKILLS

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

QUALITIES

ANATOMY

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

KEY FEATURES

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

VERSATILITY

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

WHAT'S INCLUDED

- Midline Repair Pad (x1) **OR** Mediolateral Repair Pad (x1)
- Perineal Repair Stand with Clamps
- Perineal Repair Block Loading Frame
- Perineal Repair Illustration Pack

Anal Sphincter Repair Trainer



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

SKILLS

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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

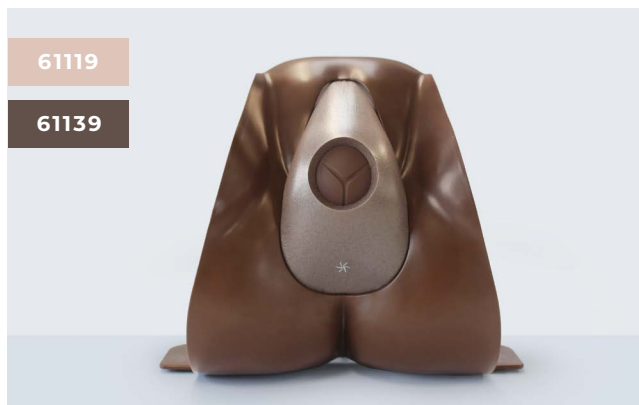
VERSATILITY

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

WHAT'S INCLUDED

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

Episiotomy Trainer



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

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

SKILLS

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

QUALITIES

REALISM

- Realistic representation of tissue to represent a stretched perineum

KEY FEATURES

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

Infant Hip Exam

- 42000
- 42010
- 42004
- 42014



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

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



QUALITIES

ANATOMY

- Palpable greater trochanter on the left and right femurs to aid correct hand placement
- Articulating hip, knee and ankle joints for the Barlow and Ortolani maneuvers 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 maneuvers
- Normal hip module – allows trainees to understand the haptics of a normal hip
- Abnormal hip module - one hip that is dislocated and can be maneuvered 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 recognize normal hips as well as two types of abnormal hip joint

SAFETY

- Latex free

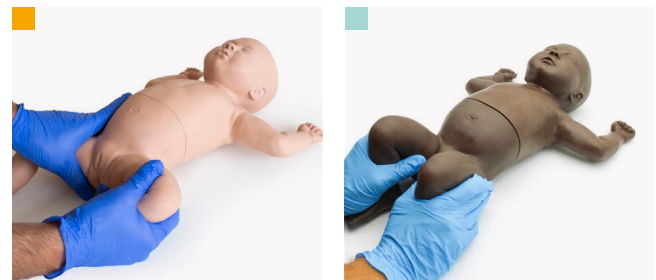
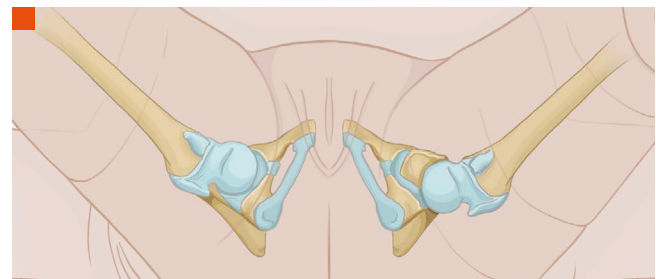


Illustration of internal hips and how they present in the model
■ Barlow maneuver
■ Ortolani maneuver
■ Galeazzi sign

WHAT'S INCLUDED

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

TCTB10001

TCTB10001DS

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

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



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

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

VERSATILITY

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



- Airway Intubation
- IV cannula insertion
- Foley Urinary Catheterization
- Lumbar Puncture

SKILLS

- Airway management
- Peripheral Venous Cannulation
- Lumbar Puncture
- PICC line insertion
- Needle Thoracentesis and Chest Drain
- Urethral Catheterization (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
- Male and Female genitalia inserts
- TruBaby X Carrier case
- Bottle of TruCorp lubrication (100 ml)
- Bottle of artificial blood concentrate (250ml)
- Syringes with tubing and quick fit connectors (x2)

TruBaby X Lite

TCTBL10001X

TCTBL10001XDS

TruBaby X Lite offers a focused training experience for beginners, and experienced learners looking to refresh their pediatric practical skills. This model provides a lifelike platform to practice essential skills, creating a cost-effective training solution.

QUALITIES

ANATOMY

- Realistic rib structure with xiphoid process & sternum for CPR training
- Features the tibial tuberosity & patella anatomy which provides a platform to identify the proximal tibia intraosseous insertion site
- Contains the dorsal venous arch & enables peripherally inserted catheterization either through the basilic or cephalic veins

REALISM

- Appearance, weight, size & movement of a 50th percentile 5-month-old infant
- Internal fluid flow for realistic blood flashback during IV cannulations
- Realistic movement, including head tilt, chin lift & jaw thrust



SKILLS

	TruBaby X Lite	TruBaby X
Airway management	✓	✓
CPR	✓	✓
IO tibia	✓	✓
Peripheral venous cannulation	✓	✓
Urethral catheterization (male & female)	✓	✓
Intramuscular injection	✓	✓
Lumbar puncture	×	✓
PICC line insertion	×	✓
Needle thoracentesis & chest drain	×	✓

Pediatric Lumbar Puncture Simulator II



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

WHAT'S INCLUDED

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

SKILLS

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

QUALITIES

REALISM

- Body of the manikin is soft and flexible

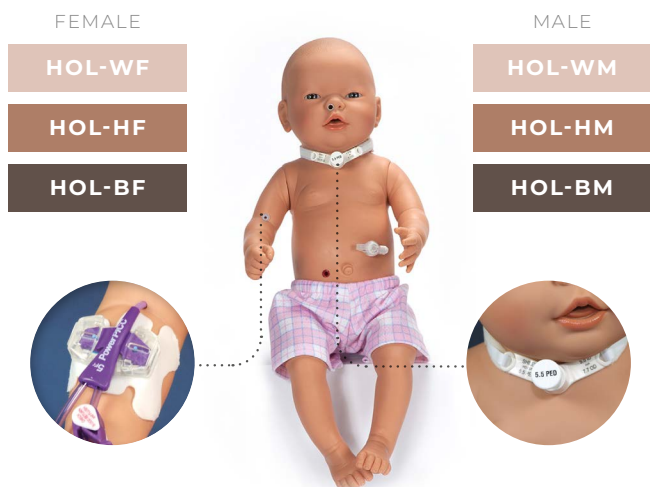
KEY FEATURES

- 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

Nickie® Medical Training Doll



Nickie® is used to practice medical device training for special medical needs children. Nurses and paramedics can use it to train school and hospital staff, as well as parents and home care providers.

SKILLS

- Tracheostomy management
- Tracheal tube suctioning
- Gastrostomy training
- Care of a gastrostomy button
- Urethral catheter insertion
- Stoma care
- Oral suctioning
- Peripherally Inserted Central Catheter (PICC) line care

QUALITIES

REALISM

- Ileostomy stoma is in the lower right abdomen
- Open oral and nasal passages

KEY FEATURES

- Gastrostomy device and feeding tube is included
- A tracheostomy tube is inserted and secured with a standard tracheostomy tube holder
- Injection port on the left thigh
- Fluid drain in the left heel

WHAT'S INCLUDED

- Nickie® training doll
- Shiley tracheostomy tube
- Mic-Key gastrostomy button
- Ambu Bag
- Tracheostomy suction catheter
- Gastrostomy feeding tube
- Syringe for gastrostomy button inflation/deflation
- Intermittent urethral catheter
- LMA Nasal Atomizer
- Descriptive booklet & carry case

Pediatric Physical Examination Simulator



Kyoto Kagaku's Pediatric Examination Simulator is designed to represent a 1 year old child, and allows for training in vital sign measurements and physical examinations.

This pediatric trainer comes complete with equipment to run training for infant examinations. Included are items of clothing for accurate patient handling, and a controller that can adjust the baby's vital signs.

SKILLS

- Measurement of respirations, heart rate, body temperature & blood pressure
- Auscultation of heart, breath & bowel sounds
- Palpation of the greater fontanel
- Observation of the nasal, ear & oral cavities, as well as observation of the eyelids

QUALITIES

ANATOMY

- Full body manikin of an infant aged around 1 year old, 67cm in height

KEY FEATURES

- Representative of a 1 year old infant, 67cm in height
- Ideal for training beginners in pediatric examinations

VERSATILITY

- Volume on the internal speaker and simulated stethoscope can be adjusted from 0-10
- Use the controller to select which part of the trainer you want to work on
- Vital sign settings can be hidden on the controller during training & examinations

WHAT'S INCLUDED

- | | |
|-----------------------------|--------------------|
| Infant Manikin | Remote Control |
| Wig | Power Cord |
| Mock Stethoscope | Set of Pyjamas |
| Mock Blood Pressure Monitor | Hat |
| Thermometer | Instruction Manual |

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 visualize the underlying anatomy, as well as clearly signaling success.

SKILLS

- Practice 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
- Simple Bluetooth connection between app and trainer
- Requires only a standard needle (supplied)
- Batteries (2 x AA supplied) last for up to 500 hours

SAFETY

- Latex free

WHAT'S INCLUDED

Shoulder Module - Palpation Guided

Shoulder Skin (x1 spare)

Shoulder Torso

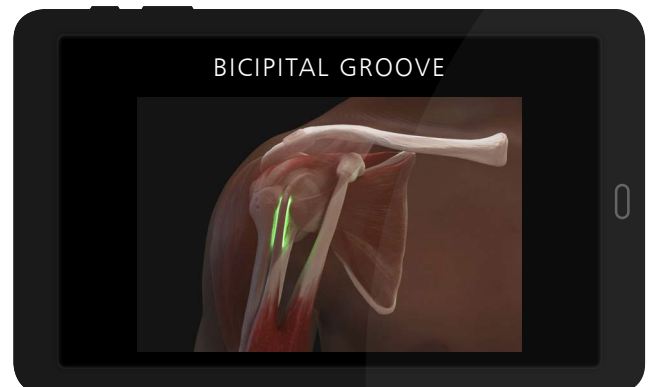
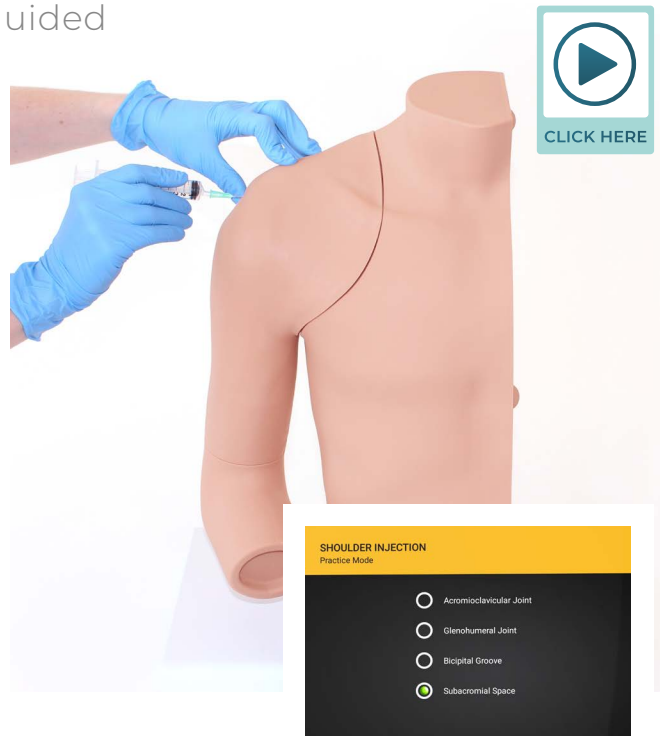
Needle Set

Android Tablet

Elbow

AA Batteries (x2)

Carry Case



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

Shoulder Injection Trainer - Ultrasound Guided

70202

70221



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

SKILLS

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



QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

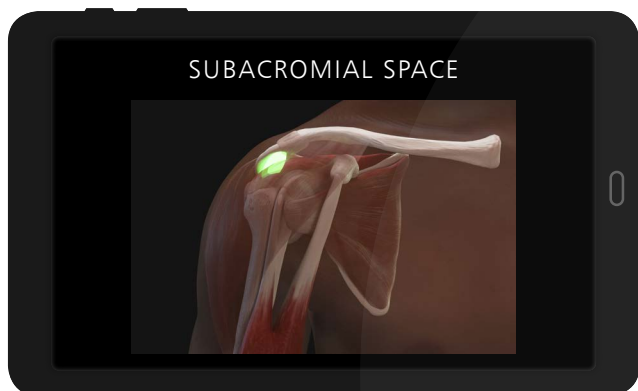
- Watertight and durable for up to 400 injections per site
- Altering the size of the bursa allows trainers to change the level of difficulty of training (less fluid is more challenging to inject)
- Synovial fluid has a realistic color

SAFETY

- Latex free

WHAT'S INCLUDED

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



Hand & Wrist Injection Trainer

70230

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

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

SKILLS

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

ANATOMY

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



QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

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

CLEANING & CARE

- Skin surface is washable using soap and water

SAFETY

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

WHAT'S INCLUDED

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

Elbow for Joint Injection

30083



For practicing 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

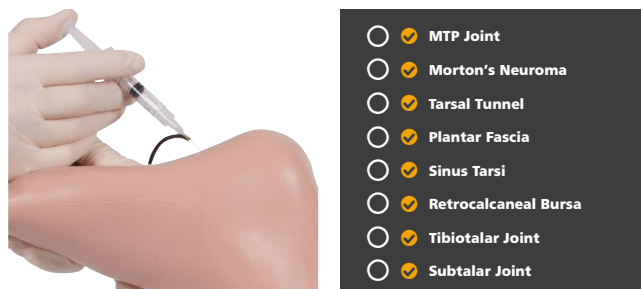
30100



A foot and ankle for practicing 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



- MTP Joint
- Morton's Neuroma
- Tarsal Tunnel
- Plantar Fascia
- Sinus Tarsi
- Retrocalcaneal Bursa
- Tibiotalar Joint
- 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

Knee Aspiration & Injection Trainer with Ultrasound Capability

70103

70114



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

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

SKILLS

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

ANATOMY

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



Key internal landmarks visible under ultrasound



QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

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

SAFETY

- Latex free

WHAT'S INCLUDED

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

Pressure Sores Simulator



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

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

Seymour II Wound Care Model™



Based on a 74-year-old patient, this model aids in the identification and assessment of wounds. Once the different etiologies 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

Freddie Fistula™ Skills Trainer



This realistic skills trainer facilitates the instruction and practice in 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)

'Wilma' Wound Foot™



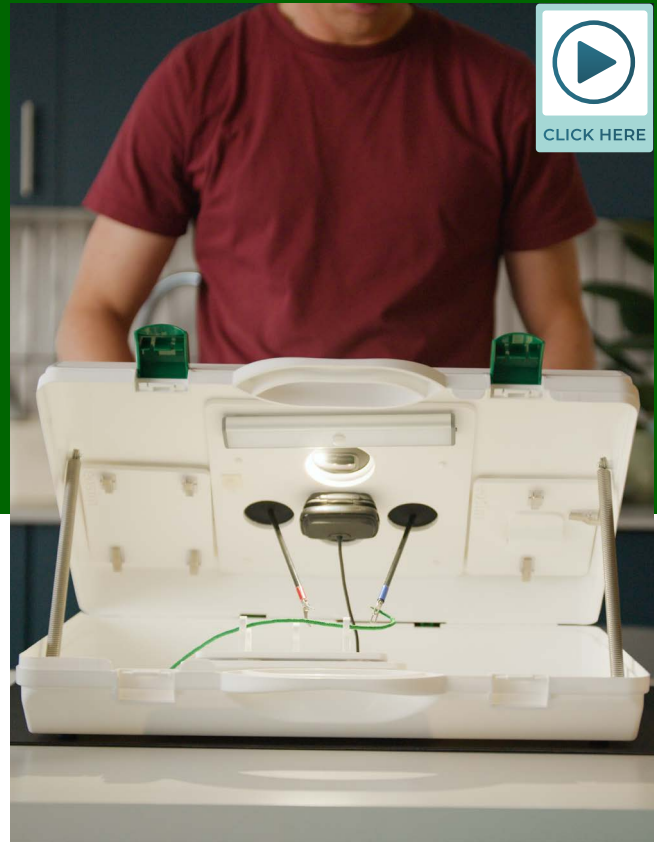
Based on an 80-year-old patient for a true-to-life appearance, the model offers 20 conditions which allow for the identification and staging of wounds and their probable causes.

SKILLS

- Wound assessment
- Routine cleansing
- Dressing techniques

eoSim™

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



QUALITIES

KEY FEATURES

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

SKILLS

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

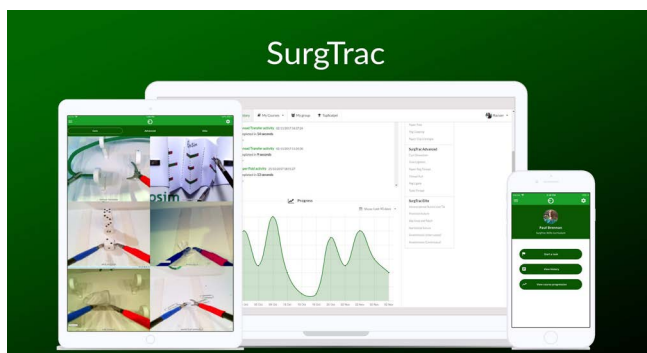
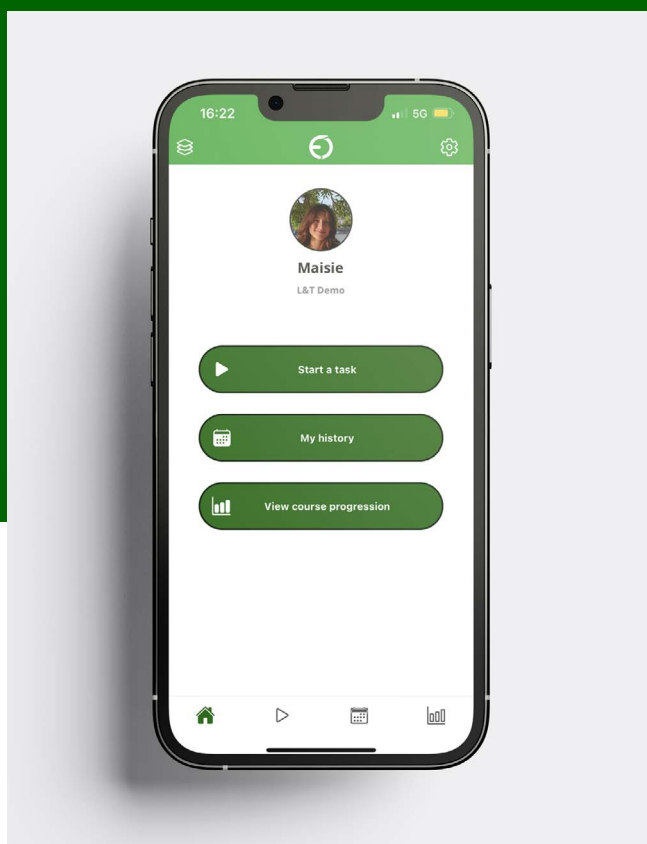


WHAT'S INCLUDED

		EOSIM ELITE EO003	EOSIM INSTITUTION EO008	EOSIM INSTITUTION PLUS EO009
Box	eoSim Box Trainer (includes Camera and LED Light)	✓	✓	✓
Instruments	5mm Ratcheted Grasper	✓	✓	✓
	5mm Non-Ratcheted Grasper	✓	✓	✓
	5mm Scissors	✓	✓	✓
	5mm Knot Pusher	✓	✓	✓
	5mm Needle Holder	✓	✓	✓
Hardware	22 inch Monitor	×	✓	✓
	USB-C to HDMI Cable	×	✓	✓
	Lightning to HDMI Cable	×	✓	✓
	Height Adjustable Trolley	×	×	✓
SurgTrac Modules	SurgTrac Elite – 18 Tasks	✓	✓	✓

SurgTrac™

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



QUALITIES

KEY FEATURES

- Instrument tracking software records 20 metrics, generating instant quantitative performance feedback
- Additional formative, natural language feedback to support self-directed development
- Video recording of task attempts, which can be submitted for remote assessment by surgical trainers
- Evidence-backed by over 30 peer-reviewed validation studies
- Institutions can easily manage learner access and create groups using SurgTrac Manager

VERSATILITY

- Tiered curricula for advancing skill levels
- Curated courses of tasks for surgical specialties
- Available on iOS, Android, Windows & MacOS
- Connect with your colleagues & classmates in groups
- Invite trainees & track their progress on group dashboards
- Assign assessors to grade task submissions and track development

SKILLS

COURSE	TASKS	
CORE	Dice stacking	Precision cutting (paper)
	Paper fold	Thread transfer
	Peg capping	Paper clip untangle
ADVANCED	Tube ligation	Paper peg thread
	Thread pull	Peg ligate
	Cyst dissection	Tube thread
ELITE	Intracorporeal suture & tie	Slip knot & patch
	Anastomosis (continuous)	Anastomosis (interrupted)
	Precision suture	Horizontal suture

FUNDAMENTALS OF LAPAROSCOPIC SURGERY™

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

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

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



QUALITIES

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

SKILLS

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

FLS Trainer Box with TV Camera

50302

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



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 centers.



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 center with everything required to run an FLS Training program.



Advanced Training in Laparoscopic Suturing (ATLAS)

50400

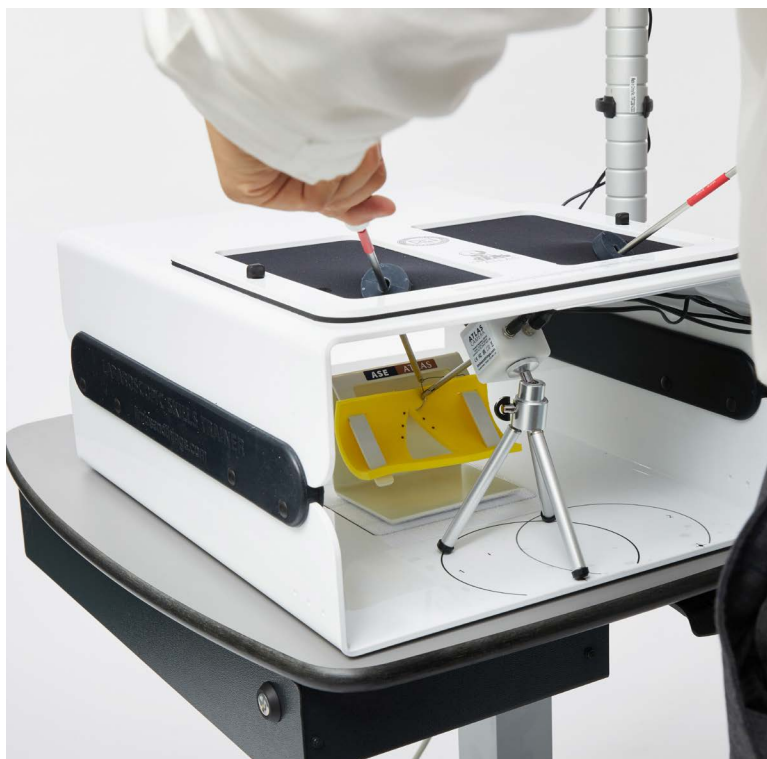
The brand-new Advanced Training in Laparoscopic Suturing (ATLAS) training kit is a laparoscopic surgery simulator designed to deliver high level minimally invasive suturing training.

This unique trainer helps to prepare surgeons for all forms of laparoscopic surgery, including those where the angle of view and allowance of suturing space is more restrictive.

ATLAS facilitates six task modules that act as a benchmark for minimally invasive training and progression:

- Needle handling and positioning
- Forehand suturing
- Backhand suturing
- Confined space suturing
- Suturing under tension
- Continuous suturing

See our website for the only ATLAS approved kits for training and assessment.



TRUCORP

Featuring a variety of medical manikins and specialist airway trainers, our TruCorp range allows learners to gain confidence in airway management and clinical skills training.

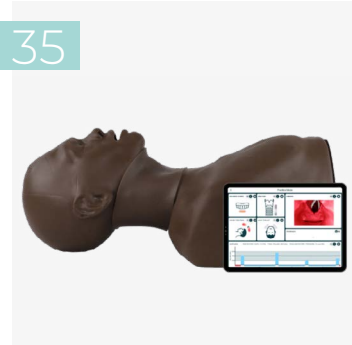
TRUBABY X

71



SMART AIRWAY

35



TRUCVC

41



TRUNERVE BLOCK

40



TRUPICC

42



TRUCRIC

36



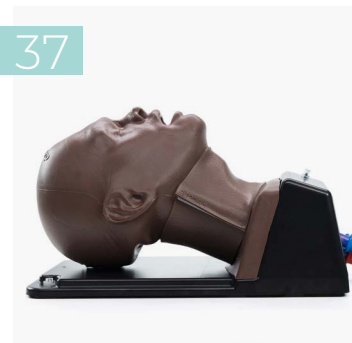
AIRSIM DIFFICULT AIRWAY

38



AIRSIM COMBO X

37



UNDERGRADUATE MEDICINE

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

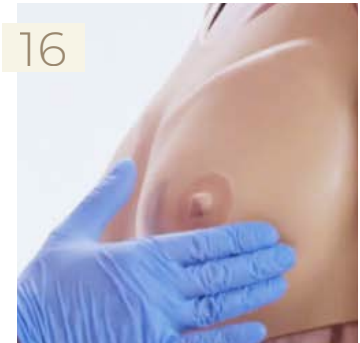
MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



BREAST EXAMINATION



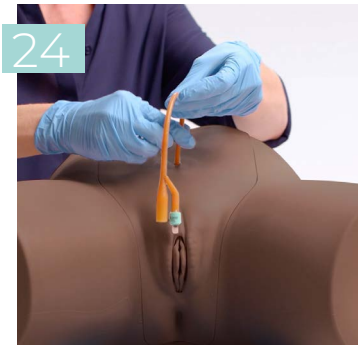
FEMALE PELVIC EXAMINATION



MALE PELVIC EXAMINATION



CATHETERIZATION



VENIPUNCTURE



ARTERIAL PUNCTURE WRIST



CaRE



BASIC SURGICAL SKILLS



OPHTHALMOLOGY & OTOLOGY



JOINT INJECTION



NURSE TRAINING

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

CaRE

10



PELVIC EXAMINATION

14



BREAST EXAMINATION

16



MALE RECTAL EXAMINATION

18



ABDOMINAL EXAMINATION

12



VENIPUNCTURE

45



PATIENT CARE

50



INJECTION TECHNIQUE

48



CATHETERIZATION

24



WOUND CARE

79



OPHTHALMOLOGY & OTOLOGY

22



AIRWAY MANAGEMENT

35



POCUS

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

SUPRAPUBIC CATHETERIZATION



ULTRASOUND EPIDURAL



TRUIV BLOCK



PARACENTESIS TRAINER



CHEST TRAUMA MANAGEMENT



TRUNERVE BLOCK



SHOULDER - ULTRASOUND GUIDED



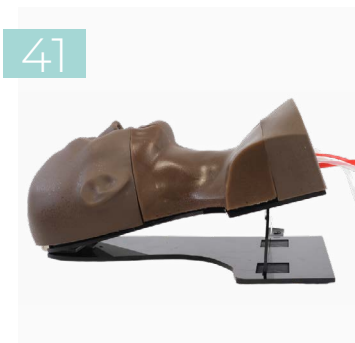
KNEE - ULTRASOUND CAPABILITY



ULTRASOUND VASCULAR ACCESS



TRUCVC



ULTRASOUND GUIDED PICC



ULTRASOUND PERICARDIOCENTESIS



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

28



AIRSIM DIFFICULT AIRWAY

38



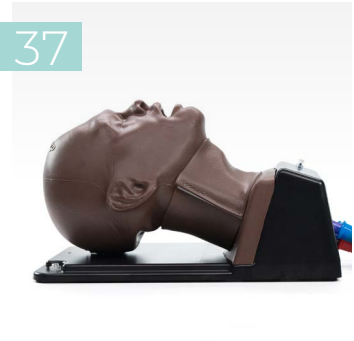
AIRSIM ADVANCE X

36



AIRSIM COMBO X

37



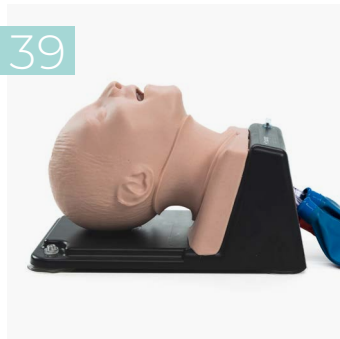
AIRSIM BABY X

39



AIRSIM CHILD COMBO X

39



INTRAOSSUEOUS TRAINER

34



EMS

From patient assessment and basic care, to more advanced skills, this range covers essential training elements required for emergency medicine training.

CLEAN BLEED MAT



ABDOMINAL EXAMINATION



VENIPUNCTURE ARM RANGE



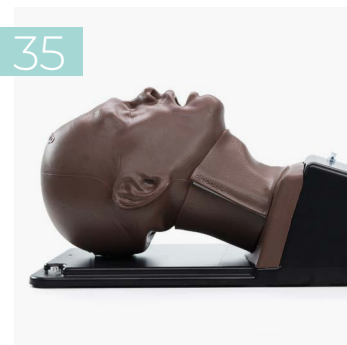
CHEST TRAUMA MANAGEMENT



INJECTIONS



AIRWAY MANAGEMENT



CVC



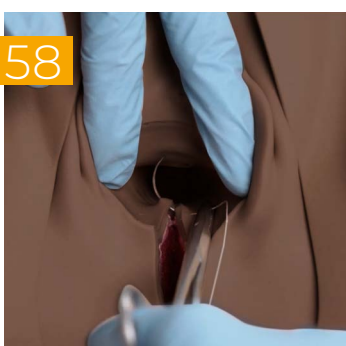
TRUNERVE BLOCK



TRUWOUND



OBSTETRICS & MIDWIFERY



JOINT INJECTIONS



TOURNIQUET



OSCE TRAINING

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

MALE RECTAL EXAMINATION



ABDOMINAL EXAMINATION



BREAST EXAMINATION



PELVIC EXAMINATION



CATHETERIZATION



VENIPUNCTURE



TUBE FEEDING



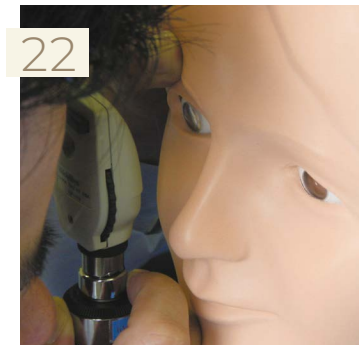
PATIENT CARE



LUMBAR PUNCTURE & EPIDURAL



OPHTHALMOLOGY



PEDIATRICS



CaRE



PHYSICIAN ASSISTANT

Designed to cover the broad set of skills required from Physician Assistants. Including physical examinations, diagnosing illnesses, care coordination and a variety of procedures.

MALE RECTAL EXAMINATION



CaRE



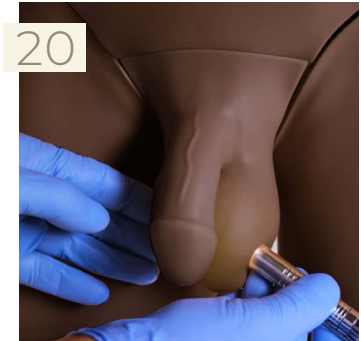
FEMALE PELVIC EXAMINATION



ABDOMINAL EXAMINATION



MALE PELVIC EXAMINATION



BREAST EXAMINATION



VENIPUNCTURE



JOINT INJECTION



CATHETERIZATION



A	ABDOMINAL EXAMINATION TRAINER	12	
	ACF PAD - VENIPUNCTURE	45	
	ADVANCED CATHETERIZATION TRAINER SET	27	
	ADVANCED EPIDURAL & LUMBAR PUNCTURE MODEL	26	
	ADVANCED VENIPUNCTURE ARM	46	
	AIRWAY MANAGEMENT		
	AIRSIM ADVANCE BRONCHI X	36	
	AIRSIM ADVANCE X	36	
	AIRSIM BABY X	39	
	AIRSIM CHILD COMBO X	39	
	AIRSIM COMBO BRONCHI X	37	
	AIRSIM COMBO X	37	
	AIRSIM DIFFICULT AIRWAY	38	
	PIERRE ROBIN X	39	
	SMART AIRWAY	41	
	TRUBABY X	71	
	TRUCRIC	36	
	TRUMAN TRAUMA X	30	
	ANAL SPHINCTER REPAIR TRAINER	69	
	ARTERIAL PUNCTURE WRIST	44	
	ASSISTED VAGINAL BIRTH MODULE (AVB) - PROMPT FLEX	63	
	ATLAS	83	
	AUGMENTED REALITY TRAINING (ART)	8	

B	BASIC INTRAOSSEOUS TRAINER	34	
	BASIC VENIPUNCTURE ARM	46	
	BASIC SURGICAL SKILLS		
	BSS ABSCESS	53	
	BSS DAY 1 KIT & REFILL PACK	52	
	BSS DAY 2 KIT & REFILL PACK	52	
	BSS LESION & CYST	53	
	BSS SURGICAL SKILLS BOARD	53	
	BSS TRAUMATIC WOUND	53	
	DOUBLE LAYER BOWEL	53	
	KNOT TYING TRAINER	52	
	PROFESSIONAL ABDOMINAL OPENING & CLOSURE TRAINER	53	
	SUTURE TUTOR PLUS™	54	
	BREAST		
	BREAST EXAMINATION TRAINERS	16	

C	CARDIOLOGY	
	CARDIOVASCULAR AND RESPIRATORY EXAMINATION	10
	CATHETERIZATION	
	ADVANCED CATHETERIZATION TRAINER SET	25
	FEMALE CATHETERIZATION TRAINER	24
	MALE CATHETERIZATION TRAINER	24
	STANDARD CATHETERIZATION TRAINER SET	25
	SUPRAPUBIC CATHETERIZATION INSERTION UNIT	24
	CENTRAL LINE & PORT MANAGEMENT	
	TRUPICC	42
	ULTRASOUND CVC INSERTION SIMULATOR MK 3	40
	ULTRASOUND GUIDED PICC TRAINING SIMULATOR	43
	CHEST TRAUMA MANAGEMENT	
	CHEST DRAIN & NEEDLE DECOMPRESSION TRAINER	28
	ULTRASOUND GUIDED PERICARDIOCENTESIS SIMULATOR	34
	CLEAN BLEED™ MAT	33
	CLINICAL FEMALE PELVIC TRAINERS (CFPT)	14
	CLINICAL MALE PELVIC TRAINERS (CMPT)	20
	CURETTAGE, SNIP & SHAVE EXCISION PAD	57
	CUTDOWN PAD	48

D	DOUBLE LAYER BOWEL	53
	DIGITAL EYE EXAMINATION SIMULATOR	22

E	EAR EXAMINATION SIMULATOR II	23
	ECOSYSTEMS - PROMPT FLEX	66
	ELBOW FOR JOINT INJECTION	77
	EOSIM	80
	EPIDURAL & LUMBAR PUNCTURE MODEL (ADVANCED)	26
	EPISIOTOMY TRAINER	69
	EXTENDED ACF PAD - VENIPUNCTURE	45
	EYE EXAMINATION SIMULATOR	22

F	FEMALE CATHETERIZATION TRAINER	24
	FEMALE EXAMINATION	
	BREAST EXAMINATION TRAINERS	16
	CLINICAL FEMALE PELVIC TRAINERS (CFPT) MK 3	14
	FLS (FUNDAMENTALS OF LAPAROSCOPIC SURGERY)	82
	FOOT & ANKLE FOR JOINT INJECTION	77
	FREDDIE FISTULA™ SKILLS TRAINER	79

G	GYNECOLOGY	
	SURGICAL FEMALE PELVIC TRAINER (SFPT) MK 2	67

H	HAND & WRIST INJECTION TRAINER	76
----------	--------------------------------	----

I	INJECTION TRAINER	48
	INFANT HIP EXAM	70

J	JOINT INJECTION	
	ELBOW FOR JOINT INJECTION	77
	FOOT & ANKLE FOR JOINT INJECTION	77
	HAND & WRIST FOR JOINT INJECTION	76
	KNEE ASPIRATION & INJECTION TRAINER ULTRASOUND CAPABILITY	78
	SHOULDER INJECTION TRAINER - PALPATION GUIDED	74
	SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED	75

K	KNEE ASPIRATION & INJECTION TRAINER WITH ULTRASOUND CAPABILITY	78
	KNOT TYING TRAINER	52

L	LAPAROSCOPIC SURGERY	
	ATLAS	83
	EOSIM	80
	FLS (FUNDAMENTALS OF LAPAROSCOPIC SURGERY)	82
	SURGICAL FEMALE PELVIC TRAINER (SFPT) MK 2	67
	LESIONS PAD	55
	LIPOMA PAD	56
	LUMBAR PUNCTURE & EPIDURAL	
	ADVANCED EPIDURAL & LUMBAR PUNCTURE MODEL	26
	LUMBAR PUNCTURE MODEL	26
ULTRASOUND EPIDURAL & LUMBAR PUNCTURE MODEL	26	

M	MALE CATHETERIZATION TRAINER	24
	MATERNAL HEMORRHAGE SIMULATOR - PROMPT FLEX	62
	MALE EXAMINATION	
	CLINICAL MALE PELVIC TRAINERS (CMPT) MK 2	20
	MALE RECTAL EXAMINATION TRAINER	18
	MINOR SURGERY	
	CURETTAGE, SNIP & SHAVE EXCISION PAD	57
	LESIONS PAD	55
	LIPOMA PAD	56
	PROFESSIONAL SKIN PAD MK 3	56
	SEBACEOUS CYST PAD	57
	WOUND CLOSURE PAD	55
	MATERNAL HEMORRHAGE SIMULATOR - PROMPT FLEX	62
MEDIOLATERAL PERINEAL REPAIR TRAINER	68	
MIDLINE PERINEAL REPAIR TRAINER	68	

N	NICKIE MEDICAL TRAINING DOLL	73
----------	------------------------------	----

O	OBSTETRICS & MIDWIFERY	
	ANAL SPHINCTER REPAIR TRAINER	69
	ASSISTED VAGINAL BIRTH MODULE (AVB) - PROMPT FLEX	63
	CERVICAL DILATATION & EFFACEMENT - PROMPT FLEX	62
	CESAREAN SECTION MODULE - PROMPT FLEX	64
	ECOSYSTEMS - PROMPT FLEX	66
	EPISIOTOMY TRAINER	69
	MATERNAL HEMORRHAGE SIMULATOR - PROMPT FLEX	62
	STANDARD & ADVANCED - PROMPT FLEX	60
	MEDIOLATERAL PERINEAL REPAIR TRAINER	68
	MIDLINE PERINEAL REPAIR TRAINER	68
	POSTPARTUM HEMORRHAGE KIT - PROMPT FLEX	65
	PPH MODULE - PROMPT FLEX	65

P	PARACENTESIS TRAINER	49	
	PATIENT CARE SIMULATOR "CHERRY"	51	
	PATIENT CARE SIMULATOR "YAYE"	50	
	PEDIATRICS		
	INFANT HIP EXAM	70	
	NICKIE MEDICAL TRAINING DOLL	73	
	PEDIATRIC LUMBAR PUNCTURE SIMULATOR II	72	
	PEDIATRIC PHYSICAL EXAMINATION SIMULATOR	73	
	TRUBABY X	71	
	TRUBABY X LITE	72	
	PRESSURE SORES SIMULATOR	79	
	PROFESSIONAL ABDOMINAL OPENING & CLOSURE TRAINER	53	
	PROFESSIONAL SKIN PAD MK 3	56	
	POSTPARTUM HEMORRAGE KIT -PROMPT FLEX	65	
	POSTPARTUM HEMORRAGE MODULE - PROMPT FLEX	65	

R	(MALE) RECTAL EXAMINATION TRAINERS	18
----------	------------------------------------	----

S	SEBACEOUS CYST PAD	57
	SEYMOUR II WOUND CARE MODEL™	79
	SHOULDER INJECTION TRAINER - PALPATION GUIDED	74
	SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED	75
	SMART AIRWAY	35
	STANDARD CATHETERIZATION TRAINER SET	25
	STANDARD VENIPUNCTURE ARM	46
	SUPRAPUBIC CATHETERIZATION INSERTION UNIT	24
	SURGICAL FEMALE PELVIC TRAINER (SFPT) MK 2	67
	SURGRAC	81
	SUTURE TUTOR PLUS™	54

T	THREE VEIN PAD - VENIPUNCTURE	45
	TRUBABY X	71
	TRUBABY X LITE	72
	TRUCRIC	36
	TRUCVC	41
	TRUIV BLOCK	40
	TRUMAN TRAUMA X	30
	TRUNERVE BLOCK	40
	TRUPICC	42
	TRUTOURNIQUET	32
	TRUWOUND	32
	TUBE FEEDING SIMULATOR	48

U	ULTRASOUND	
	CHEST DRAIN & NEEDLE DECOMPRESSION TRAINER	28
	KNEE ASPIRATION & INJECTION TRAINER ULTRASOUND CAPABILITY	78
	PARACENTESIS TRAINER	49
	SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED	75
	SUPRAPUBIC CATHETERIZATION INSERTION UNIT	24
	TRUCVC	41
	TRUIV BLOCK	40
	TRUNERVE BLOCK	40
	ULTRASOUND CVC INSERTION SIMULATOR MK 3	40
	ULTRASOUND EPIDURAL & LUMBAR PUNCTURE MODEL	26
	ULTRASOUND GUIDED PERICARDIOCENTESIS SIMULATOR	34
	ULTRASOUND GUIDED PICC TRAINING SIMULATOR	43
ULTRASOUND VASCULAR ACCESS TRAINER	40	

V	VENIPUNCTURE	
	ACF PAD - VENIPUNCTURE	45
	CUTDOWN PAD	48
	EXTENDED ACF PAD - VENIPUNCTURE	45
	THREE VEIN PAD - VENIPUNCTURE	45
	VENIPUNCTURE ARMS	46

W	WOUND CARE	
	FREDDIE FISTULA™ SKILLS TRAINER	79
	PRESSURE SORES SIMULATOR	79
	SEYMOUR II WOUND CARE MODEL™	79
	WILMA WOUND FOOT™	79
WOUND CLOSURE PAD	55	

GENERAL INFORMATION

1 ORDER ONLINE

You can place your order online with a credit card. We accept Visa, Mastercard and American Express. Simply proceed through the checkout process providing your credit card information. Please note that charges will be placed on your card at the time the order is placed.

2 PURCHASE ORDER

If you are placing a purchase order you will be able to proceed through the online checkout and specify that you are ordering by purchase order and NOT provide a credit card. Please print the final page of the check-out and mail, or email (customerservice@limbsandthings.com) your order with a copy of an official signed purchase order form. No purchase orders will be shipped without a copy of the purchase order being received.

3 ORDER BY PHONE & PAYMENT LINK

Orders may be initiated by calling our Customer Service line at 912-629-0357. Provide the order details to one of our Associates and at the end of your call they will provide you with a secure payment link via email so that you may complete your purchase remotely and at your convenience. Once your payment is successfully processed a formal order confirmation will be provided. Note: the online shopping cart is a convenient way to organize the products you want to order prior to your call.

PAYMENT TERMS

Payment with order or 30 days from invoice for approved accounts. All orders are subject to applicable sales tax. Exempt customers are required to furnish a valid sales tax exempt certificate upon request to ensure compliance. All orders are subject to Limbs & Things Terms and Conditions of Sale. These are available to view on our website or from our Customer Service Department upon request. We reserve the right to request pre-payment on any order. We accept the following credit & debit cards:



CARE AND HANDLING OF MODELS

Certain of our synthetic soft tissue models contain natural latex. Latex can be discolored by direct or indirect contact with certain metals and prolonged exposure to direct sunlight. To avoid this always use surgical gloves when carrying out a procedure. Always follow the usage and cleaning instructions supplied with the individual model.

PRODUCT CHANGES

As we have a policy of continual product improvement, there may occasionally be variations with items shown in the catalog.

Patents granted

2277826: UK • 5775916: USA • 0990227: Europe, UK, Germany, Spain, France, Italy, Netherlands • 81174/98: Australia • 1023832: Hong Kong • US6336812: USA • 98806331.x: China • 5-512288: Japan • 2 293 585: Canada

Patents applied for:

11-503978: Japan • 0215051.4: UK

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