2020 USA & CANADA CATALOG

limbs&things
Learning has never been more lifelike
What’s NEW?

- CATHETERIZATION TRAINERS
- PATIENT CARE SIMULATOR “YAYE”
- EPIDURAL & LUMBAR PUNCTURE RANGE
- PROMPT FLEX - DARK SKIN
- PROMPT FLEX - CERVICAL CERCLAGE MODULE
- PERINEAL REPAIR & EPISIOTOMY
- TRUBABY X
- SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED
CONTENTS

PHYSICAL EXAMINATION

6
FEMALE EXAMINATION

10
MALE EXAMINATION

14
ABDOMINAL EXAMINATION

16
OPHTHALMOLOGY

17
OTOLOGY

18
GENERAL PHYSICAL EXAMINATION

PROCEDURAL SKILLS

20
CATHETERIZATION

22
CHEST TRAUMA MANAGEMENT & ATLS

24
AIRWAY MANAGEMENT

26
VENIPUNCTURE

30
ARTERIAL PUNCTURE

30
INJECTION TECHNIQUE

31
CENTRAL LINE & PORT MANAGEMENT

34
DIAGNOSTIC PROCEDURES

36
PARACENTESIS

37
PATIENT CARE

40
ULTRASOUND

SPECIALIST SKILLS

42
BASIC SURGICAL SKILLS

46
MINOR SURGERY

50
JOINT INJECTION

54
GYNECOLOGY

56
OBSTETRICS & MIDWIFERY

66
PEDIATRICS

71
LAPAROSCOPY

76
WOUND CARE

78
ENDOSCOPY

RANGES

80
UNDERGRADUATE MEDICINE

81
NURSE TRAINING

82
ATLS

83
PHYSICIAN ASSISTANT

84
CLINICAL ULTRASOUND
PHYSICAL EXAMINATION SKILLS
Clinical Female Pelvic Trainer (CFPT) Mk 3 - Standard & Advanced

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


**SKILLS**

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

**QUALITIES**

**ANATOMY**

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

**REALISM**

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

**KEY FEATURES**

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

**VERSATILITY**

- Abdominal wall can be removed quickly and easily
- Modules can be changed quickly and easily

**SAFETY**

- Latex free

**CLEANING & CARE**

- Skin surface is washable using soap and water
WHAT’S INCLUDED

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Patents granted: • US6336812 • EP099027 • DE69804793 • CA 2293585 • ZL98880631 • HK1023832 • 755575 Australia
Our Breast Examination Trainer provides a highly realistic learning platform for acquiring the skills required to perform Clinical Breast Examination (CBE). Featuring 6 readily interchangeable and multi-positional pathologies, providing healthcare professionals with the tools to identify various complications and pathologies, including carcinomas, cysts, fibrocystic disease and fibroadenoma. Both Simulated Patient and bench top training can be used in alignment with healthcare professionals promoting best practice techniques to trainees and patients, or for any undergraduate programs running OSCEs.

QUALITIES

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

REALISM
• Soft tissue breasts look and feel realistic
• Clavicular and axilla pads for accurate lymph node placement

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

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

SAFETY
• Latex free

CLEANING & CARE
• Skin surface is washable using soap and water

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

SKILLS

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

WHAT’S INCLUDED

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OPTIONAL EXTRAS

40209 Medium Carry Case
Examination & Diagnostic Breast Trainer

40044

Our realistic, life-size breast trainer is the ideal platform for training in the examination procedures and diagnostic techniques required for Clinical Breast Examination (CBE).

SKILLS

• Recognized clinical breast examination technique
• Diagnosis of pathologies:
  - Carcinoma
  - Fibroadenoma
• Aspiration of a cyst
• Self Breast Examination (SBE)

QUALITIES

ANATOMY
• Simulated carcinoma and fibroadenoma
• Benign cyst for aspiration

REALISM
• Breast skin is warm to the touch
• Responds to palpation in a lifelike way

KEY FEATURES
• Variable cyst volume

VERSATILITY
• Lightweight and compact base allows for:
  - Self-examination
  - Bench top presentation

SAFETY
• Contains latex

CLEANING & CARE
• Skin surface is washable using soap and water

WHAT’S INCLUDED

40040  Examination & Diagnostic Breast
40106  Breast Aspirant (50ml)
        - Rigid two-part plastic base

Ultrasound-Guided Breast Biopsy Phantoms

KKUS-9 11387-000

The 2 breast phantoms supplied provide for the development of the skills needed for accurate needle biopsy.

SKILLS

• Transparent Breast
  - Hand-eye coordination
  - Visualization of the targets and needle tip on transparent breast
• Opaque Breast
  - Acquisition of skills in safe and reliable needle biopsy, under ultrasound guidance
  - Fine Needle Aspiration Biopsy (FNAB)
  - Core Needle Biopsy (CNB)

QUALITIES

ANATOMY
• Transparent breast:
  - 12 hyperechoic targets (blue) are embedded
• Opaque breast:
  - 6 hyperechoic targets (blue) & 6 hypoechoic targets (red) are embedded
  - 2 sizes of targets are embedded in each breast: 6mm and 10mm dia
• Targets are embedded in 3 layers to provide opportunities of working with a variety of needle paths
• Targets are colored to confirm successful sampling

REALISM
• Breast phantom tissue accurately represents softness and resistance of the mammary gland
• Excellent image quality

WHAT’S INCLUDED

KKUS-9 11387-000  Duo Set (Transparent + Opaque)
KKUS-9 11387-100  Transparent Set
KKUS-9 11387-200  Opaque Set
Clinical Male Pelvic Trainer (CMPT) Mk 2 - Standard & Advanced

60950

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.


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

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

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
WHAT'S INCLUDED

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Patents granted: • US6336812 • EP099027 • DE69804783 • CA 2293585 • ZL98806331 • HK1023832 • 755575 Australia
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 the 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)

Anatomy

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

Realism

- Soft, partable 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
## What's Included

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## Optional Extras

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Abdominal Examination Trainer

**60000**

An anatomically accurate adult male 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 integral 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
- Ballottement of kidneys
- Professional-to-patient communication

Ideal for OSCE preparation and assessment.
QUALITIES

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

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

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

SAFETY
- Latex free

CLEANING & CARE
- Skin surface is washable using soap and water

ANATOMY

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

WHAT’S INCLUDED

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<td>Abdominal Examination Rectus Bag</td>
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<td>Abdominal Examination Organ Locator</td>
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You may also be interested in:

60002 Abdominal Examination Trainer Value Set
Visit limbsandthings.com
A realistic trainer for teaching and practicing the use of an ophthalmoscope, examining the ocular fundus and identifying diseases and conditions within the eye.

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

Head is mounted on a sturdy lightweight plastic base.
Ear Examination Simulator II

KWMW12

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

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

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

QUALITIES

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

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

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

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

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

WHAT'S INCLUDED
• Mannequin head & shoulders
• 4 Pairs of ear units:
  - Examination ear (normal)
  - Foreign body ear (normal)
• Examination ear (stenosis)
• Foreign body ear (stenosis)
• Foreign body removal kit
• Carry case
Allowing a complete physical examination, the model teaches students to anticipate, describe and identify physical examination findings.

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

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

SKILLS

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

WHAT’S INCLUDED

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

QUALITIES

ANATOMY

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

REALISM

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

VERSATILITY

- System has 3 modes:
  - Physical Assessment Mode 1 - pre-set patient cases
  - Physical Assessment Mode 2 - editor mode using supplied data to create new scenarios
  - Physical Examination Skills training - hands-on training

- Physical Assessment Mode includes:
  - Chest Pain:
    - Male: 58 yr with Myocardial Infarction
    - Female: 76 yr with Lung Infarction
  - Abdominal Pain:
    - Male 19 yr with Diarrhea
    - Female: 26 yr with Ileus Pain
  - Unconscious:
    - Female: 36 yr with Brain Hypertension
  - Shortness of Breath:
    - Male: 66 yr with Chronic Obstructive Lung Disease
    - Female: 84 yr with Pneumonia
    - 21 yr with Anemia

SAFETY

- Latex free

CLEANING & CARE

- Washable using soap and water
PROCEDURAL SKILLS
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**

**60850**

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

Replaceable & removable foreskin.

**Female Catheterization Trainer**

**60851**

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

**Suprapubic Insertion Unit**

**60852**

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

Fits into 60850 & 60851.
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

* 60852 Only

QUALITIES

REALISM

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

KEY FEATURES

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

VERSATILITY

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

SAFETY

- Trainer is latex free (catheters provided contain latex)

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OPTIONAL EXTRAS

40209 Medium Carry Case
Our Chest Drain and Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals training in surgical or guidewire-assisted thoracostomy and thoracentesis.

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

### QUALITIES

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

**REALISM**
- Can give the impression of breathing under ultrasound when using the advanced pad
- Needle decompression air reservoirs provide realistic release of air on insertion of needle

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

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

**SAFETY**
- Latex free

### SKILLS

- Needle decompression of a tension pneumothorax (at both the 2nd and 5th intercostal space)
- Open, or cut-down chest drain insertion: recognition of correct position, surgical incision, blunt dissection through chest wall, perforation of pleura and finger sweep
- Suture of tube to chest wall
- Ultrasound-guided chest drain insertion (Seldinger-type), including insertion of needle under direct vision and ultrasonic recognition of chest structures
- Management of pleural effusion
# CHEST TRAUMA MANAGEMENT & ATLS

## PAD FEATURE COMPARISON

**ADVANCED** | **STANDARD**
--- | ---
- 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 | ✓ | ✓

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AirSim Advance X

TCAA91100X

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

Qualities

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

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

Skills
- Double naso-tracheal intubation ✓ ✓
- Bag and mask ventilation techniques ✓ ✓
- Full range of supraglottic devices ✓ ✓
- Direct laryngoscopy ✓ ✓
- Endotracheal tube insertion ✓ ✓
- Awake fiber optic examination ✓ ✓
- Combi tube insertion ✓ ✓
- Video laryngoscopy (incl. Sellick Maneuver) ✓ ✓
- Naso gastric tube insertion techniques x ✓
- Needle and surgical cricothyroidotomy x ✓
- Percutaneous tracheostomy x ✓

What's Included
- AirSim Advance X model ✓ x
- AirSim Combo X model x ✓
- Spare larynx inserts (x4) x ✓
- Adult lung bag set ✓ ✓
- Bottle of lubrication (100ml) ✓ ✓
- USB user manual ✓ ✓
- Carry case ✓ ✓

TruCric

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

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

AIRWAY MANAGEMENT & ATLS

TruCric

TCTCRIC1
Ultrasound Guided Pericardiocentesis Simulator

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
- Palpation and identification of left xiphisternal junction (Larrey’s point) for needle insertion
- Insertion of needle in pericardial space
- Pericardial fluid suction
- Professional-to-patient training

QUALITIES

ANATOMY

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

REALISM

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

KEY FEATURES

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

WHAT’S INCLUDED

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

CONSUMABLES

KKT1394-010 Puncture Pad for Guided Pericardiocentesis Simulator (x2)

Airway Suction Trainer

Realistic representation of the respiratory organs for teaching catheterization and temporary airway suction.

SKILLS

- Insertion of catheters orally, nasally or through the tracheostomy opening
- Temporary airway suction
- Tracheostomy care, replacement and management

QUALITIES

REALISM

- Realistic anatomy, including mouth, tongue, oral and nasal pharynx, larynx, epiglottis, vocal cords, trachea and esophagus

KEY FEATURES

- Incorporates an observation window showing the passage of the catheter to be demonstrated, explained and assessed
- Life-size organs facilitate learning proper catheter insertion length

VERSATILITY

- Sticky simulated sputum material can be introduced into the bronchus

CLEANING & CARE

- Washable and can be dismantled easily for cleansing

WHAT’S INCLUDED

- Head & neck model with airway anatomy
- Bottle of lubricant
- 2 Catheters
- Bottle of simulated sputum
- Metal tray
- Syringe
- Storage case
Standard Venipuncture Arm

The Standard Venipuncture Arm provides the ideal platform for practicing the skills related to venipuncture and IV cannulation. Comes with a bag and stand.

Bag & Stand Advanced Venipuncture Arm

The Bag & Stand Advanced Venipuncture Arm contains a more complex vein structure in combination with the bag, stand and mock blood supply.

Advanced Venipuncture Arm

The Advanced Venipuncture Arm features a complex vein system, which is connected to a closed blood supply, for easy adjustment of pressure.
SKILLS

• Venipuncture
• IV Cannulation
• IV Infusion
• Professional-to-patient communication

QUALITIES

ANATOMY

• Soft, flexible skin
• Underlying palpable veins:
  - All models: cephalic, basilic and dorsal metacarpal
  - Advanced model only: median cubital

KEY FEATURES

• Realistic blood flashback
• Arm allows for digital pressure to stem blood flow
• Infusion tube allows for volume IV fluids to be administered

VERSATILITY

• Skin is durable
• Veins last for up to 500 insertions of 21g needle
• Blood has been reformulated to improve leak resistance of veins (concentrated liquid to save you money and space)
• Can be used with vacuum blood collection systems, needle and syringe and IV cannulas
• Can be used for hybrid simulation and for professional-to-patient communication when using the optional Venipuncture Arm Harness

SAFETY

• Veins contain latex

CLEANING & CARE

• Veins are easy to replace
• Easy to clean, service and maintain

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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.

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

**QUALITIES**

**KEY FEATURES**
- Ideal for professional-to-patient communication and scenario based training using 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**
- The pad can be connected to the Mock Blood Giving Set (60651) to simulate blood flow
- Only use Mock Blood - Venous (250ml) (00223) to refill these veins

**SAFETY**
- Tough backing plate to prevent needlestick injuries
- Epidermis and veins contain latex

**CLEANING & CARE**
- Replaceable epidermis
- Washable using soap and water

**WHAT’S INCLUDED**

- 00180 Vein for ACF Pad
- 00170 Epidermis for ACF Pad
- 00140 Pad base with strap

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**

- 00213 Vein for Three Vein Pad
- 00200 Epidermis for Three Vein Pad
- 00211 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.
Cutdown Pad

**00280**

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

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

**QUALITIES**

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

**KEY FEATURES**
- The pad can be connected to the Mock Blood Giving Set (60651) to simulate blood flow. Only use Mock Blood - Venous (250ml) (00223)

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

**SAFETY**
- Contains latex

**WHAT’S INCLUDED**

**00280** Cutdown Pad

Mock Blood Giving Set

**60651**

A 1500ml blood bag with luer lock connector tube and stand.

This product can be used with Limbs & Things products requiring a mock blood supply.

**KEY FEATURES**
- Quick and easy to assemble
- Easy storage - collapsible stand
- Bag holds up to 1500ml
- Fluid flow shut-off clamp

**VERSATILITY**
- This product can be used with Limbs & Things products requiring a mock blood supply including:
  - Cutdown Pad (00280)
  - ACF Pad (00140) and Extended ACF Pad (00211)
  - Three Vein Pad (00161)
  - Vermiform Appendix (50122, 50123 and 50124)
  - Gall Bladders (50127, 50128, 50129 and 50132)

**WHAT’S INCLUDED**

- 60652 Mock Blood/Fluid Bag
  - Luer lock tube adapter
  - Metal stand with base

Mock Blood - Venous

**00223**

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

Mock Blood - Arterial

**60653**

250ml of synthetic solution made to the correct color and viscosity of arterial blood.
Arterial Puncture Wrist

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

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

- Pressure of pulse is variable
- Flashback can be observed

VERSATILITY

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

CLEANING & CARE

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

WHAT’S INCLUDED

- KKI1351-010  Skin Sets (Inner & Outer)
- KKI1351-030  Silicon Belt
- KKI1351-040  Artery Tubes (x4)

Injection Trainer

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

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

SKILLS

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

QUALITIES

ANATOMY

- Epidermis, dermis, fat and muscle

REALISM

- Tissues are soft and warm to the touch

KEY FEATURES

- Epidermis layer peels back to quickly release subcuticular liquid

VERSATILITY

- Strap for hybrid simulation

SAFETY

- Latex free

CLEANING & CARE

- Durable replaceable epidermis

WHAT’S INCLUDED

- 00311  Skin Pad & Muscle Block
- 00320  Epidermis for Injection Trainer (x2)
  - Strap-on base plate
  - Soft tissue tray with liner
Ultrasound Vascular Access Trainer

60530

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

SKILLS

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

QUALITIES

REALISM

- Echolucent material provides realistic ultrasound image

KEY FEATURES

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

VERSATILITY

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

SAFETY

- Veins contain latex

WHAT’S INCLUDED

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Ultrasound CVC Insertion Simulator Mk 3

KKM93C

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

SKILLS

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

KEY FEATURES

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

WHAT’S INCLUDED

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Chester Chest™ enables the teaching of central line care for physicians, nurses, home health staff, patients and support persons to develop competence in the management of most common types of vascular access devices.

**SKILLS**
- Fluid infusion and withdrawal
- Dressing and securement techniques

**QUALITIES**

**REALISM**
- Successful access is confirmed by a blood return
- Fluid can be infused and blood withdrawn from all the lines

**KEY FEATURES**
- Prepositioned surgically implanted CVC and PICC line
- Chest has a real implanted vascular access device (IVAD)
- Openings to attach optional triple lumen and subclavian catheters

**VERSATILITY**
- Can be used in upright and supine positions
- 3 difficult access inserts are supplied simulating the following port placements:
  - Tipping
  - Wandering
  - Deeply placed

**ANATOMY**
- Anatomically accurate cephalic, basilic, median basilic, jugular and subclavian veins, and superior vena cava

**REALISM**
- Chin can be positioned to simulate occlusion of jugular
- Palpable clavicle, ribs and intercostal spaces

**KEY FEATURES**
- Replaceable translucent arm skin allows visualization of veins

**SAFETY**
- Veins contain latex

**WHAT’S INCLUDED**
- VTA00406 Real Chest Port (IVAD)
- VTA00408 Dual Lumen 5FR PICC Catheter
- VTA00407 9FR Tunneled Central Catheter
- VTA00405 Chest Tissue Flap
- VTA00420/00430/00440 3 Difficult Access Inserts
  - Torso with detachable standard arm
  - Blood reservoir bag in the torso & arm
  - Base

Peter PICC Line™

**SKILLS**
- Site selection
- Measurement of proper catheter length
- Patient positioning
- Insertion and advancement of PICC Line
- Visual confirmation of proper catheter placement
- Catheter securing/dressing
- Catheter maintenance procedures

**QUALITIES**

**ANATOMY**
- Anatomically accurate cephalic, basilic, median basilic, jugular and subclavian veins, and superior vena cava

**REALISM**
- Chin can be positioned to simulate occlusion of jugular
- Palpable clavicle, ribs and intercostal spaces

**KEY FEATURES**
- Replaceable translucent arm skin allows visualization of veins

**SAFETY**
- Veins contain latex

**WHAT’S INCLUDED**
- VTA00601 Arm Vein Tubing Set
- VTA00602 Body Vein Tubing Set
- VTA00603 Arm Skin
- VTA00604 Body Skin
- VTA00605 Rib
- VTA00606 Muscle Tissue
- VTA00608 Superior Vena Cava Viewing Vial
- VTA00611 500ml Fluid Bag
  - Carry case
Ultrasound Guided PICC Training Simulator

KMW18

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

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

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

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

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

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

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

ANATOMY
• Palpable sacrum, iliac crests and vertebrae L2-5

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

KEY FEATURES
• Position in left lateral and sitting

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

* 61001 Only

SKILLS  

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Paracentesis Trainer

60100

This trainer fulfills the fundamental component of core medical 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 practice drainage
- Cost effective consumable pads

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

SAFETY
- Latex free

CLEANING & CARE
- Skin surface is washable using soap and water

SKILLS
- Familiarity with the abdominal regions and underlying anatomy
- Palpation of anatomical landmarks
- Identification of excess fluid
- Through ultrasound, identification of safe needle/catheter insertion sites
- Insertion of needle into peritoneal cavity for therapeutic or diagnostic purposes
- Professional-to-patient communication

WHAT’S INCLUDED

60101 Paracentesis Skin
60102 Paracentesis Pads (x2)
60103 Paracentesis Liver
60104 Paracentesis Spleen
60105 Paracentesis Bowel Insert
60106 Paracentesis Floating Bowel
60107 Paracentesis Clamping Frame
60108 Paracentesis Large Volume Refill System
  - Base unit
  - Carry case
An effective training for caregivers and medical professionals who work with patients receiving enteral tube nutrition. The mannequin offers 3 routes for EN tubes and allows training with real liquid foods. The placement of the tubes can be confirmed by auscultation as well as direct observation.

The model is supplied with a feeding routes panel and a chest anatomy overlay sheet to facilitate anatomical understanding.

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

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

**REALISM**
- 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
Yaye is an advanced, full body nursing mannequin 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

**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

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

Visit [limbsandthings.com](http://limbsandthings.com) for more information about Optional Consumables
Cherry is a basic, full body nursing mannequin for hands-on training in a wide range of skills for nursing assistants and vocational nurses.

**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

**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

**WHAT’S INCLUDED**

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  - Cherry Patient Care mannequin
  - Femoral IM injection pad
  - Upper arm IM injection pad
  - Bottle
  - Syringe

Visit [limbsandthings.com](https://limbsandthings.com) for more information about Optional Consumables
SONON Ultrasound Imaging System

An ideal aid for teaching ultrasound guided procedures in clinical learning environments. Developed for emergency medicine, SONON is an affordable and high quality mobile ultrasound system.

The **Convex** probe is suitable for Obstetrics and Gynecology and General Abdomen applications.

The **Linear** probe is suitable for Muscular-Skeletal, Vascular, Breast, Thyroid and Lung applications.

**SKILLS**

- Competence using ultrasound technology to perform systematic scanning techniques
- Handling of transducers
- Insertion of needles under ultrasound guidance
- Ultrasound image interpretation

**QUALITIES**

**KEY FEATURES**

- Cost-effective training solution
- Premium IQ for its class of system
- Portable with integral wifi

**VERSATILITY**

- Intuitive and quick set up
- Simple to connect to a smartphone or tablet

**WHAT’S INCLUDED**

- SONON 300C or SONON 300L
- Battery pack
- Battery charger
- Charger adaptor
- Main adaptor
- User manual book
- Quick guide
SPECIALIST SKILLS
SUTURE TUTOR PLUS™

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

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

Online, Video-based Course

STP-PRO-SUB

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

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

WHAT’S INCLUDED

- 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

CHOOSE YOUR PRODUCT

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

Hands-on Kit

STP-KIT

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

One year Institutional Multi-User and Trainer Licences are also available - please contact Customer Service for details.
Basic surgical skills kit facilitating the practice of a range of knot-tying, suturing and tissue handling techniques.

**SKILLS**

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

**WHAT’S INCLUDED**

- 50061 Double Layer Bowel 30mm
- 50074 BSS Lesion & Cyst
- 50051 BSS Surgical Skills Board
- 50056 BSS Tendon Repair Trainer
  - BSS knot tying trainer
  - Skin pad jig with skin pad
  - BSS soft tissue retaining set
  - Hemostasis pad

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

**SKILLS**

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

**WHAT’S INCLUDED**

- 50075 BSS Abscess
- 50047 BSS Traumatic Wound with Simulated Foreign Bodies
- 50060 BSS AOCT Pad
- 50055 BSS AOCT Frame
  - Drain
  - 8mm x 140mm artery
  - 8mm x 76mm graft patch

**BSS Day 1 Refill Pack**

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

**BSS Day 2 Refill Pack**

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

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

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

Double Layer Bowel

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

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

Professional Abdominal Opening & Closure Trainer (AOCT)

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

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

CONSUMABLES
50060 BSS Professional AOCT Pad
BSS Lesion & Cyst

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).

SKILLS
- Excising a skin lesion
- Excising a sebaceous cyst

BSS Abscess

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

SKILLS
- Abscess drainage
- Necrotic wound debridement

BSS Traumatic Wound

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

SKILLS
- Wound management
- Foreign body removal
- Traumatic wound debridement

BSS Surgical Skills Board

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

QUALITIES

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

SAFETY
- Latex free

CLEANING & CARE
- Wipe-clean surface

WHAT’S INCLUDED
- BSS Soft Tissue Retaining Set
  - Retaining clips with sucker feet (x2)
  - Retaining clips with attachment loops (x4)
- Skin pad jig
  - Base
This jig supports the entire range of Limbs & Things synthetic soft tissue pads. Can be strapped onto the limbs or body of a Simulated Patient when used with the optional strap (00510).

**QUALITIES**

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

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

**VERSATILITY**
- Optional jig strap allows use with simulated patient
- Use with:
  - Professional Skin Pad Mk 2
  - Wound Closure Pad
  - Lipoma Pad
  - Sebaceous Cyst Pad, Curettage, Snip & Shave Excision Pad
  - Minor Skin Procedures Pads

---

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 and knotting
- Stapling

**QUALITIES**

**REALISM**
- Works with all major topical skin adhesives

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

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

**SAFETY**
- Latex free
Professional Skin Pad Mk 2

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 Mk 3 (00550)

SAFETY
- Latex free

Lipoma Pad

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 Mk 3 (00550)

SAFETY
- Latex free
Lesions Pad

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

ANATOMY

• 3 common oral pathologies: papule, macule and ulcer

QUALITIES

• 3 common oral pathologies: papule, macule and ulcer

SKILLS

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

ANATOMY

• Improved, unidirectional skin texture
• 3 layer skin: epidermis, dermis and subdermal layer
• Contains 2 Cysts

REALISM

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

KEY FEATURES

• Pad dimensions: 125mm x 72mm

VERSATILITY

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

SAFETY

• Latex free

Sebaceous Cyst Pad

For practicing the full sebaceous cyst removal procedure. A 3 layer skin pad with epidermis, dermis 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

ANATOMY

• Improved, unidirectional skin texture
• 3 layer skin: epidermis, dermis and subdermal layer
• Contains 2 Cysts

REALISM

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

KEY FEATURES

• Pad dimensions: 125mm x 72mm

VERSATILITY

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

SAFETY

• Latex free
Curettage, Snip & Shave Excision Pad

**00103** LARGE (x2)

**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 nevi 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 Mk 3 (**00550**)

**SAFETY**
- Latex free

Ingrowing Toenail Trainer

**80060**

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

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

**QUALITIES**

**KEY FEATURES**
- Cost effective: 3 toe ends in the set
- 2 wedge excision procedures can be carried out on each toe end
- Toe ends can be replaced in seconds

**SAFETY**
- Contains latex

**WHAT’S INCLUDED**

**80071** Toe Jig
**80070** Toe Ends (x3)
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**

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

**SKILLS**

- Practice multiple approaches to specific sites
- Identification of anatomical landmarks using palpation guidance
- 4 common injection sites:
  - Acromioclavicular Joint
  - Bicipital Groove
  - Glenohumeral Joint
  - 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 site to aid learning
- Cost effective replacement skins

**VERSATILITY**

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

**SAFETY**

- Latex free

**WHAT’S INCLUDED**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>70212</td>
<td>Shoulder Module - Palpation Guided</td>
</tr>
<tr>
<td>70210</td>
<td>Shoulder Skin (x1 spare)</td>
</tr>
<tr>
<td>70215</td>
<td>Shoulder Torso</td>
</tr>
<tr>
<td>70108</td>
<td>Needle Set</td>
</tr>
<tr>
<td>- Android Tablet</td>
<td></td>
</tr>
<tr>
<td>- Elbow</td>
<td></td>
</tr>
<tr>
<td>- AA Batteries (x2)</td>
<td></td>
</tr>
<tr>
<td>- Carry Case</td>
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</tbody>
</table>

The application includes interactive shoulder anatomy and links to injection technique guides.
Shoulder Injection Trainer - Ultrasound Guided

**70202**

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 under ultrasound the suprascapular nerve

**QUALITIES**

**REALISM**

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

**KEY FEATURES**

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

**VERSATILITY**

- Watertight and durable 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**

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>70213</td>
<td>Shoulder Module - Ultrasound Guided</td>
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<td>70215</td>
<td>Shoulder Torso</td>
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<td>70217</td>
<td>Ultrasound Shoulder Filling Kit</td>
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<td>70108</td>
<td>Needle Set</td>
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<tr>
<td>70022</td>
<td>Synovial Fluid (250ml)</td>
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<td></td>
<td>- Elbow</td>
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<td></td>
<td>- Carry Case</td>
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</tbody>
</table>
Knee Aspiration & Injection Trainer with Ultrasound Capability

**70103**

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

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

**SKILLS**

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

**ANATOMY**

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

**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**

- **70104** Ultrasound Knee Module for Aspiration & Injection
- **70106** Fluid Bag and Stand
- **70107** Synovial Fluid (including Syringe)
- **70108** Needle Set – 3 Green Needles, 1 Syringe, 1 Sharps Bin
- **BKS113860417** Joint and Soft Tissue Injection Book (6th Ed)
  - Leg unit, including removable supports
  - Carry case
Elbow for Joint Injection

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**

- Skin contains latex

**WHAT’S INCLUDED**

- 30023 ‘No-Trace’ Marker
- 30093 Elbow Needle Set
- 30081 Elbow Skin
- BKS113860417 Joint and Soft Tissue Injection Book (6th Ed)
  - Elbow base unit
  - Feedback console with batteries
  - Carry case

---

Hand & Wrist for Joint Injection

An articulated right hand and wrist used for practicing soft tissue joint injection for the treatment of injuries and arthritis.

**SKILLS**

- Patient posture and management
- Identifying anatomical landmarks
- Relevance of digital movement for presentation of injection sites
- Injection in 4 specific areas:
  - Carpal tunnel
  - Trigger finger/tendon sheath injection
  - De Quervains sheath
  - First carpo-metacarpal joint
- Precise placement of needle to avoid median nerve

**QUALITIES**

**ANATOMY**

- Simulates normal anatomical reference points for: carpal tunnel, palmaris longus tendon, distal wrist crease and tendon to the flexor carpi radialis

**REALISM**

- Articulated joints

**KEY FEATURES**

- Easy-to-use Feedback Console: LEDs light up when correct injection sites have been acquired and when the median nerve has been hit

**VERSATILITY**

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

**SAFETY**

- Skin contains latex

**WHAT’S INCLUDED**

- 30023 ‘No-Trace’ Marker
- 30092 Hand & Wrist Needle Set
- 30040 Hand & Wrist Skin
- BKS113860417 Joint and Soft Tissue Injection Book (6th Ed)
  - Hand and wrist base unit
  - Feedback console with batteries
  - Carry case
Foot & Ankle for Joint Injection

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

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
- [30095] Foot & Ankle Needle Set
- [30101] Foot & Ankle Skin
- [70102] Foot & Ankle Musculature
- BKS113860417 Joint and Soft Tissue Injection Book (6th Ed)
- [J:J] Battery/system test

Gynae Dissection Pad

An intermediate laparoscopic technique trainer for gynecological surgery. The round and broad ligaments, ureters and uterine artery are represented in 3 dimensions.
To be used in conjunction with the [50151] Soft Tissue Retaining Set.

SKILLS
- Dissection of the round and broad ligament
- Division of tissues in 2 planes
- Arterial ligation
- Suturing and stapling in 2 planes
- Vessel cutting
- Identification of ureters, uterine artery, and mobilization

QUALITIES
ANATOMY
- Arterial and ureteric fluid-filled vessels with 5 crossing points, artery over ureter
REALISM
- Patented material for realistic suturing and stapling
- Realistic tissue layers and instrument response
KEY FEATURES
- Cost-effective, convenient and hygienic
VERSATILITY
- Up to 5 uses for gynae technique practice, and afterwards for basic skills
SAFETY
- Skin and veins contain latex

WHAT’S INCLUDED
- [50116] Gynae Dissection Pad
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.

**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

**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
  - Salpingostomy
  - Myomectomy
  - Oophorectomy
  - Cystectomy
  - Hysterectomy
  - 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**

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<td>60252</td>
<td>SFPT Uterus (x10)</td>
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<td>00021</td>
<td>Concentrated Venous Blood</td>
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**Patents granted**
- US6336812
- EP099027
- DE69804793
- CA 2293585
- ZL98806331
- HK1023832
- 755575 Australia
The PROMPT Flex Range is an integral part of many training courses around the world, suitable for all levels of training and skill maintenance. Now also available in a dark skin tone, this range offers the flexibility to train on routine and a number of difficult birthing management scenarios.
Additional modules
fit either the Standard or the Advanced units allowing you to tailor your training needs.

Perineal Repair Trainer

Our new Perineal Repair Trainer can be used alongside PROMPT Flex by placing in front of it to add further realism to the simulation.

See P. 64
PROMPT Flex - Standard

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.

PROMPT Flex - Advanced

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

You may also be interested in: 80108 PROMPT Flex Advanced - with tablet

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 McRobert’s 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

80100  80106
• 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

80100  80106
80120 Birthing Mother (+ Upper Legs) ✓  ✓
80121 Standard Baby ✓  ×
80122 Wireless Force Monitoring Baby ×  ✓
80123 Placenta ✓  ✓
80124 Abdomen for PROMPT Flex ✓  ✓
80125 Perineum and Birth Canal ✓  ✓
80130 Bed Straps ✓  ✓
10193 Lubricant ✓  ✓
01000 Wheeled Carry Case ✓  ✓
The PROMPT Flex Standard Baby has close to life range of articulation in the shoulder and hip joints, allowing an accurate experience with both delivering and handling the baby.

The addition of flexion at the thoracolumbar region provides accurate training experience and enhances realism in vaginal deliveries and c-section maneuvers.

**QUALITIES**

**REALISM**
- Fully articulated baby with umbilical cord
- Full term infant size

**KEY FEATURES**
- Improved and more realistic limb articulation
- Correct anatomical landmarks for delivery
- Versatile use for wide range of delivery types
- Flexion allows for life-like maneuvering

**VERSATILITY**
- Can be quickly and easily used in conjunction with the Birthing Mother and C-Section module

**SAFETY**
- Latex free

Note that articulation improvements only affect the PROMPT Flex Standard Baby.
PROMPT Flex - Cervical Dilatation & Effacement Module

80102 80202

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 PROMPT Flex Standard or Advanced.

Ideal for midwifery and nurse training.

QUALITIES

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

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

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

SAFETY
- Latex free

SKILLS

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

WHAT'S INCLUDED

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<thead>
<tr>
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<tbody>
<tr>
<td>80138</td>
<td>Perineum</td>
</tr>
<tr>
<td>80139</td>
<td>Pelvic Ring</td>
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<tr>
<td>80140</td>
<td>Static Rig</td>
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<tr>
<td>80141</td>
<td>Dynamic Rig</td>
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<tr>
<td>80142</td>
<td>Set of 7 Latent Labor Cervixes</td>
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<td>80143</td>
<td>Dynamic Cervix</td>
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<td>80144</td>
<td>Set of 5 Presenting Parts</td>
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<td>80145</td>
<td>Set of 2 Difficult Labor Heads</td>
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<tr>
<td>80146</td>
<td>Amniotic Membrane Set</td>
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<td>80162</td>
<td>Set of 3 Caputs (x2)</td>
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</table>
Ideal for practicing the necessary skills required when performing a cesarean section. Trainees can have exposure to delivering a difficult baby such as a deeply impacted head, or a transverse lie.

It includes 2 surgical pads for incision and suturing, along with a pre-incised abdomen for repeated delivery practice to help improve confidence and familiarity of maneuvers.

**QUALITIES**

**REALISM**
- Abdominal skin has realistic appearance and soft feel of at-term abdomen
- Realistic feel of uterus interior during delivery
- Head presents at realistic level once incision is made

**KEY FEATURES**
- Uterus holds baby firmly in position for normal and transverse lies, breech and cephalic presentations
- Uterus support positions baby and directs it towards the pelvis/abdominal incision when fundal pressure is applied
- Pre-incised skin option allows easy repeat delivery practice
- Surgical pad allows realistic dissection and closure and is reversible to allow 2 uses
- Single/double in situ uterine wall closure
- Suturing of rectus sheath, fat and subcuticular or cutaneous skin closure
- Accommodates retraction using metal, plastic or rubber retractors

**VERSATILITY**
- Optional insert to allow presentation of head just below ischial spines for cesarean section at full dilation

**SAFETY**
- Latex free

**SKILLS**
- Abdominal and uterine wall opening and closure
- Cephalic and breech delivery
- C-section at full dilation:
  - Head disimpaction using vaginal push methods
  - Use of balloon disimpacting device
  - Reverse breech extraction
- Transverse lie
- Instrument assisted C-section delivery
- Delivery of the placenta
- Teamwork and human factors training in emergency C-section

**WHAT’S INCLUDED**

- **80104** Cesarean Section Surgical Pad (x2)
- **80138** Perineum
- **80170** Uterus for Cesarean Section Module
- **80171** Pre-incised Delivery Only Skin
- **80172** Surgical Skin
- **80173** Cervix for Cesarean Section Module
- **80175** Foam Uterus Support
- **80176** Full Dilatation Pelvic Insert
PROMPT Flex - PPH Module

Allowing training in the management of postpartum bleeding, it offers a realistic simulation of an atonic and contracting uterus.

This module is an optional add-on for PROMPT Flex Standard or Advanced.

SKILLS

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

WHAT'S INCLUDED

80127  PROMPT Flex PPH Uterus Assembly
00020  Concentrated Venous Blood - Starter Pack (x2)
-  PROMPT Flex PPH blood container

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 and control atonic state of the uterus

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

ANATOMY
• A representation of post-partum uterus including uterine arteries and broad ligament

KEY FEATURES
• Uterine arteries can be fluid filled
• Ligation of arteries is possible
• Multiple uses when conducting the compression suture

VERSATILITY
• Can be quickly and easily fitted into the birthing mother

PROMPT Flex - Compression Suture Uterus

This module allows for the training in performing a compression suture and ligating the uterine artery.

Used in conjunction with the 80171 Pre-incised Delivery Skin, it provides the ideal training platform for repeat practice of uterine compression suturing.

This product is based on concepts and collaboration with:
• Dr Carol L. Simmons, MD SimTunes, LLC.
• Dr Mona Sharma, Consultant Obstetrician and Gynecologist at Queen’s Hospital, Romford BHR NHS Trust.

SKILLS

• All common types of Compression Suture procedures (including B-Lynch, Hayman and Pereira)
• Dissection of broad ligament
• Ligation of uterine arteries

QUALITIES

ANATOMY
• A representation of post-partum uterus including uterine arteries and broad ligament

KEY FEATURES
• Uterine arteries can be fluid filled
• Ligation of arteries is possible
• Multiple uses when conducting the compression suture

VERSATILITY
• Can be quickly and easily fitted into the birthing mother
PROMPT Flex - PostPartum Hemorrhage Kit

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

To be used with the PROMPT Flex Standard or Advanced.

SKILLS

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

WHAT'S INCLUDED

80101 PPH Module
80111 Compression Suture Uterus (Pack of 2)
80171 Pre-incised Delivery Skin for PROMPT Flex

PROMPT Flex - Cervical Cerclage Module

Ideal for practicing the necessary skills required for performing cervical cerclage. Trainees can have exposure to performing both elective and emergency cervical cerclage procedures.

SKILLS

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

QUALITIES

REALISM

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

KEY FEATURES

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

WHAT'S INCLUDED

80181 Cervical Cerclage Frame
80182 Cervical Cerclage Vagina
80183 Cervical Cerclage Elective OS (x5)
80184 Cervical Cerclage Emergency OS (x5)
80185 Cervical Cerclage Amniotic Sacs (x5)
80186 Cervical Cerclage Fluid System
PERINEAL REPAIR AND EPISIOTOMY TRAINER RANGE

This multifaceted trainer allows for the development and maintenance of the skills of episiotomy and perineal repair. A common stand accommodates a choice of two different perineal repair blocks, one anal sphincter repair block and one unincised block. The addition of the episiotomy module gives a cost-effective and realistic training platform for this fundamental skill.

Midline Perineal Repair Trainer

The module reflects the current teaching practice in the USA, supporting the learning of 2nd degree midline perineal repair, as well as anatomy identification and determining the extent of different traumas.

QUALITIES  (Common in all Perineal Repair Range)

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

REALISM
- All essential layers of tissue can accept repeated sutures
- Soft skin with a similar drag and strength to human skin

KEY FEATURES
- Cost-effective as all layers can be sutured repeatedly
- Durable, long-lasting midline perineal repair block and anal sphincter repair block
- Illustration pack representing each degree of perineal trauma to aid identification of key landmarks and internal anatomy

VERSATILITY
- Can be used alongside PROMPT Flex by placing in front of it to add further realism to the simulation
- Quick and easy to set up
- Clamps provided to secure trainer to benchtop
- Compact and portable

SKILLS
- 2nd degree perineal repair
- Tissue layer recognition and handling
- Suturing in two planes
- Vaginal mucosal suturing
- Deep muscle suturing
- Subcuticular suturing
- Identification and management of perineal tears
- Enables digital rectal examination before and after repair

OPTIONAL EXTRA

For those looking to extend their training, the following perineal repair blocks are available, and also fit into the Perineal Repair Stand (61109).

2nd Degree Mediolateral Perineal Repair Block (x2)
61106  61126

With the same level of fidelity, the mediolateral block can be used in the training of mediolateral perineal repair.

Unincised Perineal Repair Block (x2)
61108  61128

Ideal to create specific scenarios, this trainer can alter the severity or placement of the tear to match the teaching objectives.
Anal Sphincter Repair Trainer

Ideal for practicing repair of 4th degree anal sphincter injuries (OASI), its realistic anatomy allows for repair of both the internal and external anal sphincter and anal mucosa.

**SKILLS**

- 4th degree repair
- 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

**WHAT’S INCLUDED**

- 61105 2nd Degree Midline Perineal Repair Block (x2)
- 61107 Anal Sphincter Repair Block (x2)
- 61109 Perineal Repair Stand with Clamps
- 61110 Perineal Repair Block loading frame
- 61112 Perineal Repair Illustration Pack - Light
- 00293 Water Based Lubricant

**OPTIONAL EXTRA**

This cost-effective, simplified model has been created to use in classroom settings to ensure the acquisition of confidence in the training of episiotomy. The crowning of the head gives trainees a true-to-life experience.

Episiotomy Trainer Module

**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 midline (or mediolateral) 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**

- 61113 Episiotomy Incision Pad (x2)
- 61114 Episiotomy Repair Tape (x24)
- 61115 Episiotomy Baby Head
- 61116 Episiotomy Illustration Pack - Light

* Perineal Repair Illustration Pack - Light

Perineal Repair

Illustration Pack - Light
TruBaby X

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 thoracenthesis approach for the treatment of a pneumothroax

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

SKILLS
• Airway management
• Peripheral Venous Cannulation
• Lumbar Puncture
• PICC line insertion
• Needle Thoracentesis and Chest Drain
• Urethral Catheterization (male and female)
• CPR
• IO Tibia

WHAT’S INCLUDED

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<th>Description</th>
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<td>TCTBD04</td>
<td>Needle Decompression Inserts (x2 Left &amp; x2 Right)</td>
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<tr>
<td>TCTBCD04</td>
<td>Chest Drain Inserts (x2 Left &amp; x2 Right)</td>
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<td>TCTBARM01UL</td>
<td>TruBaby X Ultrasound Arm (Left)</td>
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<tr>
<td>TCTBARM01UR</td>
<td>TruBaby X Ultrasound Arm (Right)</td>
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<tr>
<td>TCTB1020</td>
<td>TruBaby X IO Inserts (x5 Left &amp; x5 Right)</td>
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<td>TruBaby X Lumbar Puncture Insert</td>
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<td>- Bottle of artificial blood concentrate (250ml)</td>
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<td></td>
<td>- Syringes with tubing and quick fit connectors (x2)</td>
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AirSim Baby X

TCJR10001X

The AirSim® Baby X, based on a 0 to 6-month-old, provides a realistic and anatomically correct pediatric mannequin for airway management training. The mannequin facilitates training in the use of bag/mask ventilation, supraglottic airway insertion and both naso and orotracheal intubation.

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

QUALITIES
REALISM
- ‘Real feel’ skin covering for added realism
- Realistic external and internal anatomical features allow for easy and successful demonstration of all pediatric videolaryngoscopes

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

WHAT’S INCLUDED
- AirSim Baby X
- Baby lung bag set
- Airway lubricant
- USB user manual
- Carry case

AirSim Child Combo X

TCCC10006X

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 and supraglottic device insertion
- Combi tube insertion
- Fiberoptic intubation and video laryngoscopy
- Bag and mask ventilation techniques

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

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

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

WHAT’S INCLUDED
- AirSim Child Combo X
- Child lung bag set
- Spare larynx inserts (x4)
- Airway lubricant
- USB user manual
- Carry case
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

**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
- A PICC is positioned in the forearm & secured with a ‘Stat-Lock’
- Injection port on the left thigh
- Fluid drain in the left heel

**WHAT’S INCLUDED**
- Nickie® training doll
- Shilex tracheostomy tube
- Mic-Key gastrostomy button
- PICC line
- Ambu Bag
- Tracheostomy suction catheter
- Gastrostomy feeding tube
- Syringe for gastrostomy button inflation/deflation
- Intermittent urethral catheter
- LMA Nasal Atomizer
- Descriptive booklet & carry case

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**Newborn Anne**

**LD220-25050**

Designed for skills training in neonatal resuscitation. With anatomical accuracy and a product feature set designed to focus on the critical resuscitation skills required in the first 10 minutes of a newborn’s life. Meets key components of the NRP course curriculum.

**SKILLS**
- Insertion of naso and orotracheal tubes and supraglottic devices (LMA)
- Suctioning of the nares, nasopharynx, oropharynx, esophagus and the lungs via an ET tube
- Positive Pressure Ventilation via BVM, T-Piece resuscitator, or anesthesia bag
- Pneumothorax - Needle thoracentesis left mid-axillary
- Orogastric tube insertion
- Manual chest compression at appropriate depth (1/3 AP) and force
- Manual umbilical pulse and umbilical vein/artery access via umbilicus

**WHAT’S INCLUDED**
- Full-body neonatal mannequin
- Meconium module set
- Umbilical cord
- Clamp
- Airway lubricant
- Simulated blood
- Liquid soap
- Baby powder
- IO fill/empty syringe
- Baby diaper
- Carry case
- CD user guide

Visit [limbsandthings.com](http://limbsandthings.com) for more information about Optional Consumables
**Nita Newborn**  
**VTA1800**

An anatomically correct mannequin representing a 1.8kg, 40cm long female baby for teaching and practicing the vascular accessing of newborns and infants.

**SKILLS**
- Placement, suctioning, securing, dressing, cleansing and maintenance of nasal cannulas, endotracheal tubes, nasotracheal tubes and feeding tubes
- Central catheter insertion, securing, dressing & maintenance
- IV and PICC line insertion, securing, dressing & maintenance
- Umbilical catheterization
- Venipuncture including heparinization and fluid infusion

**QUALITIES**

**ANATOMY**
- Venipuncture sites include:
  - Median, basilic and axillary sites in both arms
  - Saphenous and popliteal veins in right leg
  - External jugular and temporal veins

**REALISM**
- A ‘pop’ is felt as the needle enters the vein with a realistic flashback of blood confirming proper needle placement

**KEY FEATURES**
- Veins specifically designed with a small internal diameter to make accessing more challenging

**WHAT’S INCLUDED**
- Infant mannequin
- Fluid bag and tubing
- Simulated blood
- Nappy
- Carry case

---

**Pediatric Lumbar Puncture Simulator II**  
**KKM43D**

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

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

**REALISM**
- Body of the mannequin is soft and flexible

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

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

**WHAT’S INCLUDED**
- Baby mannequin
- Stand
- Irrigation bag & syringe
NCPR Simulator Plus

**KWMW21**

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

**QUALITIES**

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

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

**KEY FEATURES**
- Supports 3 types of injection and catheterization training: direct vision, transilluminated and ultrasound guided PICC

**CLEANING & CARE**
- Skin is washable using soap and water

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

**WHAT’S INCLUDED**
- Newborn care baby
- Simulation blood tube (red)
- Simulation blood tube (blue)
- Simulation blood
- Syringe
- Lubricant
- Plastic jar
- Instruction manual
Limbs & Things Laparoscopic Skills Trainer USB

50301

A cost-effective solution for acquiring the basic skills required for laparoscopic surgery. This trainer box comes with a USB camera, light source and pre-ported skin frame for trocars. It provides an ideal laparoscopic environment for any basic task which can be added by the user.

**SKILLS**

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

**QUALITIES**

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

**OPTIONAL EXTRAS**

**WHAT’S INCLUDED**

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

Visit [fis-products.com](http://fis-products.com) for more information about a range of tasks
Working closely with the SAGES-ACS FLS Committee, we have revolutionized the FLS Trainer System. Introducing an updated series of laparoscopic training products exclusively designed and endorsed for the FLS Program.

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

**FLS Trainer Box with TV Camera**

**50302**

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

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.

**SKILLS**

- Laparoscopic surgery
- Tasks:
  - Peg transfer
  - Precision cutting
  - Ligating loop
  - Knot tying

**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

Visit [fls-products.com](http://fls-products.com) for more information about the FLS Trainer System.
### WHAT’S INCLUDED

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<td>Trainer Box</td>
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<tr>
<td>Camera - TV (with lead)</td>
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<tr>
<td>Light Strip</td>
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<td>Power Cable</td>
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</tbody>
</table>

### OPTIONAL

#### FLS TASK 1 PEG TRANSFER
- **50331** Peg Board & 6 Triangles
- **50360** Triangles for Peg Board (x6)

#### FLS TASK 2 PRECISION CUTTING
- **50332** Jumbo Clip Retainer
- **50361** Gauze Pads with Single Circle (x100)*
- **50362** Gauze Pads with Double Circle (x100)*

#### FLS TASK 3 LIGATING LOOP
- **50363** Foam Organs (x15)
- **50364** Single-Use Ligating Loop (x3)*
- **50365** Multi-Use Ligating Loop (x5)*

#### FLS TASK 4 & 5 KNOT TYING
- **50333** Suture Block
- **50366** Penrose Drains (x100)
- **50367** Suture 2/0 Silk 90cm, 26mm Needle (x50)
- **50368** Suture 2/0 Silk 90cm, 26mm Needle (x25)

#### INSTRUMENTS - FLS APPROVED

* Not for animate use, not sterile, for training purposes only

- **50380** FLS Approved Instrument Kit (8 Pieces)*
- **50381** Pair of Maryland Dissectors*
- **50382** Graspers (Locking)*
- **50383** Endoscissors*
- **50384** Right Needle Driver*
- **50385** Left Needle Driver*
- **50386** 2 Knot Pushers (1 Open Ended; 1 Closed Ended)*
LAPAROSCOPY

For securing synthetic soft tissue components used in intermediate surgical training and laparoscopic trainers. Ideal addition to the Limbs & Things Laparoscopic Skills Trainer USB (50301).

Soft Tissue Retaining Set

50151

A unique multi-layered pad with 14 fluid filled vessels for training in the 7 basic surgical techniques used in open and laparoscopic surgery.

Contains 3 types of vessel: venous, arterial and bile.

Common features for both Large & Small Surgical Dissection Pads

SKILLS

• Incision
• Stapling
• Ligation
• Suturing
• Mobilization
• Dissection
• Division

QUALITIES

REALISM
• Provides a realistic response with steel blade laparoscopic instruments or a harmonic scalpel
• Convincing appearance when viewed through laparoscope
• Made from patented material which provides for realistic suturing and stapling

KEY FEATURES

• Cost-effective and extremely convenient when compared with animal tissue

VERSATILITY

• Wet laboratory not required

SAFETY

• Veins contain latex

A multi-layered pad with 4 fluid-filled vessels for training in the basic surgical techniques, as listed for the Large Surgical Dissection Pad (50114).

The lower cost of this pad makes it ideal for individual or 2 person training; ideally issued to trainees at the start of a course or for self-directed learning.

Contains 2 types of vessel: arterial and bile.

Small Surgical Dissection Pad

50118

Large Surgical Dissection Pad

50114

For securing synthetic soft tissue components used in intermediate surgical training and laparoscopic trainers. Ideal addition to the Limbs & Things Laparoscopic Skills Trainer USB (50301).
Vermiform Appendix

A series of three models representing the different locations in which the vermiform appendix is to be found. Trainees will move on from the Surgical Dissection Pads (50118 & 50114) to this progressive 3 stage appendices suite:

- Normal (as found in 32% of patients)
- Post-ileal (as found in 1% of patients)
- Retrocecal (as found in 64% of patients)

Each model has the additional feature of a simulated peptic ulcer, for closure using peritoneum and mesentry.

**SKILLS**

- Excision and division of peritoneum
- Identification and exposure of appendix
- Mobilization and division of vessels
- Removal of appendix
- Inspection of stump of appendix
- Repair and closure of peptic ulcer

**QUALITIES**

**ANATOMY**

- Highly realistic model of appendix, cecum, and ileum stump presented anatomically

**REALISM**

- Convincing fluid filled vessels, cecum contents, and tissues encourage correct handling of tissue

**KEY FEATURES**

- The variations available in the range of appendices provide increased levels of difficulty

**VERSATILITY**

- Vessel incorporates a luer lock to which the Mock Blood Giving Set (60651) may be attached to provide fluid flow for the appendicular artery.

**SAFETY**

- Contains latex

**PATENTS**

- US6336812 • EP099027 • DE69804793 • CA 2293585 • ZL98806331 • HK1023832 • 755575 Australia
**Freddie Fistula™ Skills Trainer**

VTA0230

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)

**QUALITIES**

**ANATOMY**

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

**KEY FEATURES**

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

**CLEANING & CARE**

- Skin is washable using soap and water

**WHAT’S INCLUDED**

<table>
<thead>
<tr>
<th>VTA0230</th>
<th>Freddie Fistula™ Wound Care Skills Trainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTA0232</td>
<td>1 Quart Bottle of Effluent Concentrate</td>
</tr>
<tr>
<td>VTA0234</td>
<td>3-Way Tube Set With Color-coded Pinch Clamps</td>
</tr>
<tr>
<td>VTA0235</td>
<td>Support Rod</td>
</tr>
<tr>
<td>VTA0611</td>
<td>500ml Effluent Fluid Bag</td>
</tr>
<tr>
<td>VTA0231</td>
<td>Carry case</td>
</tr>
</tbody>
</table>

**'Pat' Pressure Injury Staging Model™**

VTA0980

A compact, comprehensive model with realistic pressure injuries to aid in the identification and assessment of wounds.

**SKILLS**

- Wound identification and assessment
- Routine cleansing
- Dressing techniques

**QUALITIES**

**ANATOMY**

- For Dark skin:
  - Suspected DTI
  - Blood blister
  - Stage I pressure injury
- For Light skin:
  - Suspected DTI
  - Stage I pressure injury
  - Stage II blister intact
  - Stage II pressure injury
  - Stage III pressure injury with undermining, tunnelling, granulation tissue, subcutaneous fat, eschar and slough
  - Stage IV pressure injuries both large and small

**KEY FEATURES**

- DTIs have “mushy/boggy” feel when palpated
- Routine cleansing and dressing changes can be taught and practiced on all wounds
- Staging of ulcers matches US National Pressure Ulcer Advisory Panel guidelines

**CLEANING & CARE**

- Skin is washable using soap and water

**WHAT’S INCLUDED**

- Pat Pressure Injury Staging Model
- Legend
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

**QUALITIES**

**ANATOMY**
- Displays the following conditions:
  - Stage I pressure injury
  - Stage II blister intact
  - Stage III pressure injury with undermining, tunnelling, subcutaneous fat, eschar and slough
  - Stage IV deep injury with exposed bone, undermining, tunnelling, subcutaneous fat, eschar and slough
  - Suspected DTI, unstageable
  - 5 1/2” dehisced wound

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

**CLEANING & CARE**
- Skin is washable using soap and water

**WHAT’S INCLUDED**
- Seymour II Wound Care Model
- Legend

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

**SKILLS**
- Wound assessment
- Routine cleansing
- Dressing techniques

**QUALITIES**

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

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

**KEY FEATURES**
- DTI on top of foot with “mushy/boggy” feel when palpated
- Flexible material allows toes to be moved

**CLEANING & CARE**
- Skin is washable using soap and water

**WHAT’S INCLUDED**
- Wilma Wound Foot
- Stand
- Legend
Endoscopy Training System

**KKMW39**

Specifically designed to improve endoscopic performance as measured by national assessment programs such as the Fundamentals of Endoscopic Surgery™ (FES), Global Assessment of Gastrointestinal Endoscopic Skills (GAGES) and Assessment of Competency in Endoscopy (ACE). Developed in partnership with Kyoto Kagaku, and in collaboration with the development team at the National Capital Region Simulation Consortium, and the USU / Walter Reed Department of Surgery.

### QUALITIES

**REALISM**
- Built upon a platform identified as highly realistic in trial comparing GI endoscopy simulators
- Allows use of actual colonoscope
- Requires use of suction and insufflation for optimal performance
- Haptic feedback nearly identical to actual endoscopy

**KEY FEATURES**
- Electronic sensors provide visual and auditory feedback and help track task completion
- 5 discrete tasks facilitate deliberate practice and distributed training
- Peer reviewed evidence for effective use in assessment and training
- Established proficiency based skills curriculum with expert derived performance benchmarks for each task

**VERSATILITY**
- Represents fundamental skills for all types of endoscopy
- Can be used to simulate a simple colonoscopy, redundant sigmoid, alpha loop, reverse alpha loop and others
- All tasks are reusable so there is no additional cost for consumables

### SKILLS

- **Scope manipulation**
  Performing basic endoscopic navigation, using tip deflection and torque of the scope
- **Tool targeting**
  Hand-eye coordination with biopsy forceps and an endoscope
- **Retroflexion**
  Bending the endoscope backward to identify and navigate to targets. Simulates evaluation of cardia of stomach and distal rectum
- **Loop management**
  Scope navigation to manage the correct reduction of a standard alpha loop
- **Mucosal inspection**
  Via the colon, evaluation and identification of polyps

### WHAT’S INCLUDED

- Colon model with cover
- Straight colon model with feedback tones and lights
- Scope manipulation screen overlay
- Simulated biopsy tool
- Power supply
- User guide
PRODUCT RANGES
UNDERGRADUATE MEDICINE

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

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

MALE RECTAL EXAMINATION

FEMALE PELVIC EXAMINATION

ABDOMINAL EXAMINATION

MALE PELVIC EXAMINATION

BREAST EXAMINATION

CATHETERIZATION

OTOLOGY & OPHTHALMOLOGY

VENIPUNCTURE

CENTRAL LINE
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.
<table>
<thead>
<tr>
<th>Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>ABDOMINAL EXAMINATION TRAINER</td>
<td>14</td>
</tr>
<tr>
<td>ACF PAD - VENIPUNCTURE</td>
<td>28</td>
</tr>
<tr>
<td>ADVANCED CATHETERIZATION TRAINER SET</td>
<td>21</td>
</tr>
<tr>
<td>ADVANCED EPIDURAL &amp; LUMBAR PUNCTURE MODEL</td>
<td>34</td>
</tr>
<tr>
<td>ADVANCED VENIPUNCTURE ARM</td>
<td>26</td>
</tr>
<tr>
<td>AIRWAY MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>AIRSIM ADVANCE X</td>
<td>24</td>
</tr>
<tr>
<td>AIRSIM BABY X</td>
<td>67</td>
</tr>
<tr>
<td>AIRSIM CHILD COMBO X</td>
<td>67</td>
</tr>
<tr>
<td>AIRSIM COMBO X</td>
<td>24</td>
</tr>
<tr>
<td>AIRWAY SUCTION TRAINER</td>
<td>25</td>
</tr>
<tr>
<td>TRUBABY X</td>
<td>66</td>
</tr>
<tr>
<td>TRUCRIC</td>
<td>24</td>
</tr>
<tr>
<td>ANAL SPHINCTER REPAIR TRAINER</td>
<td>65</td>
</tr>
<tr>
<td>ARTERIAL PUNCTURE WRIST</td>
<td>30</td>
</tr>
<tr>
<td>B</td>
<td></td>
</tr>
<tr>
<td>BAG &amp; STAND ADVANCED VENIPUNCTURE ARM</td>
<td>26</td>
</tr>
<tr>
<td>BASIC SURGICAL SKILLS</td>
<td></td>
</tr>
<tr>
<td>BSS ABSCESS</td>
<td>45</td>
</tr>
<tr>
<td>BSS DAY 1 KIT &amp; REFILL PACK</td>
<td>43</td>
</tr>
<tr>
<td>BSS DAY 2 KIT &amp; REFILL PACK</td>
<td>43</td>
</tr>
<tr>
<td>BSS LESION &amp; CYST</td>
<td>45</td>
</tr>
<tr>
<td>BSS SURGICAL SKILLS BOARD</td>
<td>45</td>
</tr>
<tr>
<td>BSS TRAUMATIC WOUND</td>
<td>45</td>
</tr>
<tr>
<td>DOUBLE LAYER BOWEL</td>
<td>44</td>
</tr>
<tr>
<td>KNOT TYING TRAINER</td>
<td>44</td>
</tr>
<tr>
<td>PROFESSIONAL ABDOMINAL OPENING &amp; CLOSURE TRAINER (ADCT)</td>
<td>44</td>
</tr>
<tr>
<td>SUTURE TUTOR PLUS™ RANGE</td>
<td>42</td>
</tr>
<tr>
<td>BREAST</td>
<td></td>
</tr>
<tr>
<td>BREAST EXAMINATION TRAINERS</td>
<td>8</td>
</tr>
<tr>
<td>EXAMINATION &amp; DIAGNOSTIC BREAST TRAINER</td>
<td>9</td>
</tr>
<tr>
<td>ULTRASOUND-GUIDED BREAST BIOPSY PHANTOMS</td>
<td>9</td>
</tr>
<tr>
<td>BLOOD</td>
<td></td>
</tr>
<tr>
<td>MOCK BLOOD - ARTERIAL &amp; VENOUS</td>
<td>29</td>
</tr>
<tr>
<td>MOCK BLOOD GIVING SET</td>
<td>29</td>
</tr>
<tr>
<td>C</td>
<td></td>
</tr>
<tr>
<td>CATHETERIZATION</td>
<td></td>
</tr>
<tr>
<td>ADVANCED CATHETERIZATION TRAINER - COMPLETE SET</td>
<td>21</td>
</tr>
<tr>
<td>FEMALE CATHETERIZATION TRAINER</td>
<td>20</td>
</tr>
<tr>
<td>MALE CATHETERIZATION TRAINER</td>
<td>20</td>
</tr>
<tr>
<td>STANDARD CATHETERIZATION TRAINER SET</td>
<td>21</td>
</tr>
<tr>
<td>SUPRAPUBIC CATHETERIZATION INSERTION UNIT</td>
<td>20</td>
</tr>
<tr>
<td>CENTRAL LINE &amp; PORT MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>CHESTER CHEST™ WITH NEW STANDARD ARM</td>
<td>32</td>
</tr>
<tr>
<td>PETER PICC LINE™</td>
<td>32</td>
</tr>
<tr>
<td>ULTRASOUND CVC INSERTION SIMULATOR MK 3</td>
<td>31</td>
</tr>
<tr>
<td>ULTRASOUND GUIDED PICC TRAINING SIMULATOR</td>
<td>32</td>
</tr>
<tr>
<td>ULTRASOUND VASCULAR ACCESS TRAINER</td>
<td>31</td>
</tr>
<tr>
<td>CHEST TRAUMA MANAGEMENT</td>
<td></td>
</tr>
<tr>
<td>CHEST DRAIN &amp; NEEDLE DECOMPRESSION TRAINER</td>
<td>22</td>
</tr>
<tr>
<td>ULTRASOUND GUIDED PERICARDIOCENTESIS SIMULATOR</td>
<td>25</td>
</tr>
<tr>
<td>CLINICAL FEMALE PELVIC TRAINERS (CFPT) MK 3</td>
<td>6</td>
</tr>
<tr>
<td>CLINICAL MALE PELVIC TRAINERS (CMPT) MK 2</td>
<td>10</td>
</tr>
<tr>
<td>CURETTAGE, SNIP &amp; SHAVE EXCISION PAD</td>
<td>49</td>
</tr>
<tr>
<td>CUTDOWN PAD</td>
<td>29</td>
</tr>
<tr>
<td>D</td>
<td></td>
</tr>
<tr>
<td>2ND DEGREE MEDIOLATERAL PERINEAL REPAIR BLOCK</td>
<td>64</td>
</tr>
<tr>
<td>DOUBLE LAYER BOWEL</td>
<td>44</td>
</tr>
<tr>
<td>E</td>
<td></td>
</tr>
<tr>
<td>EAR EXAMINATION SIMULATOR II</td>
<td>17</td>
</tr>
<tr>
<td>ELBOW FOR JOINT INJECTION</td>
<td>53</td>
</tr>
<tr>
<td>EPIDURAL &amp; LUMBAR PUNCTURE MODEL (ADVANCED)</td>
<td>34</td>
</tr>
<tr>
<td>ENDOSCOPY TRAINING SYSTEM</td>
<td>78</td>
</tr>
<tr>
<td>EPISIOTOMY TRAINER</td>
<td>65</td>
</tr>
<tr>
<td>EXAMINATION &amp; DIAGNOSTIC BREAST TRAINER</td>
<td>9</td>
</tr>
<tr>
<td>EXTENDED ACF PAD - VENIPUNCTURE</td>
<td>28</td>
</tr>
<tr>
<td>EYE EXAMINATION SIMULATOR</td>
<td>16</td>
</tr>
<tr>
<td>F</td>
<td></td>
</tr>
<tr>
<td>FEMALE CATHETERIZATION TRAINER</td>
<td>20</td>
</tr>
<tr>
<td>FEMALE EXAMINATION</td>
<td></td>
</tr>
<tr>
<td>BREAST EXAMINATION TRAINERS</td>
<td>8</td>
</tr>
<tr>
<td>CLINICAL FEMALE PELVIC TRAINERS (CFPT) MK 3</td>
<td>6</td>
</tr>
<tr>
<td>EXAMINATION &amp; DIAGNOSTIC BREAST TRAINER</td>
<td>9</td>
</tr>
<tr>
<td>ULTRASOUND-GUIDED BREAST BIOPSY PHANTOMS</td>
<td>9</td>
</tr>
<tr>
<td>FLS TRAINER SYSTEM</td>
<td>72</td>
</tr>
<tr>
<td>FOOT &amp; ANKLE FOR JOINT INJECTION</td>
<td>54</td>
</tr>
<tr>
<td>FREDDIE FISTULA™ SKILLS TRAINER</td>
<td>76</td>
</tr>
<tr>
<td>G</td>
<td></td>
</tr>
<tr>
<td>GYNECOLOGY</td>
<td></td>
</tr>
<tr>
<td>GYNAE DISSECTION PAD</td>
<td>54</td>
</tr>
<tr>
<td>SURGICAL FEMALE PELVIC TRAINER (SFPT) MK 2</td>
<td>55</td>
</tr>
<tr>
<td>H</td>
<td></td>
</tr>
<tr>
<td>HAND &amp; WRIST FOR JOINT INJECTION</td>
<td>53</td>
</tr>
<tr>
<td>I</td>
<td></td>
</tr>
<tr>
<td>INGROWING TOENAIL TRAINER</td>
<td>49</td>
</tr>
<tr>
<td>INJECTION TRAINER</td>
<td>30</td>
</tr>
<tr>
<td>J</td>
<td></td>
</tr>
<tr>
<td>JOINT INJECTION</td>
<td></td>
</tr>
<tr>
<td>ELBOW FOR JOINT INJECTION</td>
<td>53</td>
</tr>
<tr>
<td>FOOT &amp; ANKLE FOR JOINT INJECTION</td>
<td>54</td>
</tr>
<tr>
<td>HAND &amp; WRIST FOR JOINT INJECTION</td>
<td>53</td>
</tr>
<tr>
<td>KNEE ASPIRATION &amp; INJECTION TRAINER ULTRASOUND CAPABILITY</td>
<td>52</td>
</tr>
<tr>
<td>SHOULDER INJECTION TRAINER - PALPATION GUIDED</td>
<td>50</td>
</tr>
<tr>
<td>SHOULDER INJECTION TRAINER - ULTRASOUND GUIDED</td>
<td>51</td>
</tr>
<tr>
<td>K</td>
<td></td>
</tr>
<tr>
<td>KNEE ASPIRATION &amp; INJECTION TRAINER WITH ULTRASOUND CAPABILITY</td>
<td>52</td>
</tr>
<tr>
<td>KNOT TYING TRAINER</td>
<td>44</td>
</tr>
<tr>
<td>L</td>
<td></td>
</tr>
<tr>
<td>LAPAROSCOPIC SURGERY</td>
<td></td>
</tr>
<tr>
<td>FLS TRAINER SYSTEM</td>
<td>72</td>
</tr>
<tr>
<td>GYNAE DISSECTION PAD</td>
<td>54</td>
</tr>
<tr>
<td>LARGE SURGICAL DISSECTION PAD</td>
<td>74</td>
</tr>
<tr>
<td>LIMBS &amp; THINGS LAPAROSCOPIC SKILLS TRAINER USB</td>
<td>71</td>
</tr>
<tr>
<td>SMALL SURGICAL DISSECTION PAD</td>
<td>74</td>
</tr>
<tr>
<td>SOFT TISSUE RETAINING SET</td>
<td>74</td>
</tr>
<tr>
<td>SURGICAL FEMALE PELVIC TRAINER (SFPT) MK 2</td>
<td>55</td>
</tr>
<tr>
<td>VERMIFORM APPENDIX</td>
<td>75</td>
</tr>
<tr>
<td>LESIONS PAD</td>
<td>48</td>
</tr>
<tr>
<td>LIPOMA PAD</td>
<td>37</td>
</tr>
<tr>
<td>LUMBAR PUNCTURE &amp; EPIDURAL</td>
<td></td>
</tr>
<tr>
<td>ADVANCED EPIDURAL &amp; LUMBAR PUNCTURE MODEL</td>
<td>34</td>
</tr>
<tr>
<td>LUMBAR PUNCTURE MODEL</td>
<td>34</td>
</tr>
<tr>
<td>ULTRASOUND EPIDURAL &amp; LUMBAR PUNCTURE MODEL</td>
<td>34</td>
</tr>
<tr>
<td>M</td>
<td></td>
</tr>
<tr>
<td>MALE CATHETERIZATION TRAINER</td>
<td>20</td>
</tr>
<tr>
<td>MALE EXAMINATION</td>
<td></td>
</tr>
<tr>
<td>CLINICAL MALE PELVIC TRAINERS (CMPT) MK 2</td>
<td>10</td>
</tr>
<tr>
<td>MALE RECTAL EXAMINATION TRAINERS</td>
<td>12</td>
</tr>
</tbody>
</table>
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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 fax (912-629-0358), 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
Phone orders may be placed by calling 866-465-4627 or 912-629-0357. The online shopping cart is a convenient way to organize the products you want to order. Simply add the products you want to order to your cart and use it as a reference when calling in your order.

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:

DELIVERY
While we endeavor to meet your delivery requirements, our normal delivery time varies from 2-8 weeks from receipt of order and may be extended at certain peak periods.

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.
USA & CANADA CATALOG

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00 1-912-629-0357
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