

SIMULATION EQUIPMENT CATALOGUE

Department of Simulation



RCSI
SIM



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NOTES:

Equipment Use

Requests for equipment must be made through the Simulation team,
email: simulation@rcsi.ie
Phone: 01 402 5084

Please give as much notice as possible when requesting the use of equipment.

Section 1: Procedural skills



Laerdal AED Trainer 2

Details This AED trainer simulates the HeartStart® FR2 AED in appearance, operation, and voice prompts, educating the healthcare provider in the effective use of an automatic external defibrillator. Features include: 10 pre-configured cardiac arrest scenarios, remote control for scenario selection, play/pause, volume control and error conditions that simulate the red X in the HeartStart FR2's status display window. Designed for use with the AED Little Anne® and AED Resusci Anne® mannequin with Laerdal LINK Technology by providing student feedback as to proper pad placement on the mannequins. Can also be used with any other mannequin where Laerdal LINK Technology is not available.

Quantity 6 (26 York Street)



AirSim Child Combo Bronchi

Details The AirSim Child Bronchi X, based on a 6 year old, features the AirSim paediatric airway, nasal passage and internal anatomical detail down to the 4th generation bronchi. Ideal for practicing oral and nasal intubation training techniques, percutaneous tracheostomy, emergency cricothyroidotomy and bronchoscopy techniques.

Quantity 1 (26 York Street)



AirSim Pierre Robin X

Details The AirSim Pierre Robin X has been developed to highlight difficult airway management techniques on a 6 month old baby. The models anatomically correct airway allows the trainee to identify congenital defects including significant mandibular hypoplasia, glossoptosis, cleft palate and bifid uvula.

Quantity 1 (26 York Street)



Laerdal Airway Model

Details Lifelike upper torso and head simulate real-world complications when practicing a variety of intubation, ventilation, and suction techniques. This model allows for practice of tracheal, pharyngeal and oesophageal intubation, oral or nasal. Permits realistic manual manoeuvres to open the airway. Suitable for practicing bag-valve tube/mask ventilation. Realistic anatomical features allow Sellick manoeuvre and laryngospasm. Also allows Practical training in clearing an obstructed airway and suctioning liquid foreign matter and provides visual inspection of lung expansion and auscultation of breath sounds.

Quantity 6 (26 York Street)

Section 1: Procedural skills



Ambu Baby

Details The Ambu Baby is a manikin which simulates a one year old baby designed for Basic Life Support (BLS) training. It is designed so that the airway is only open when placed in the correct position. Airway obstruction can also be simulated on this manikin.

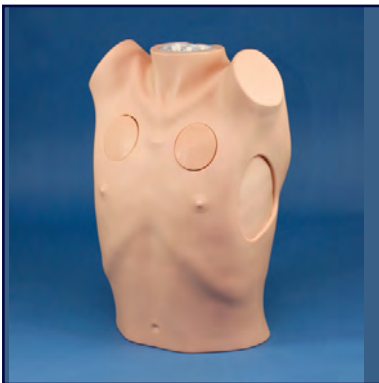
Quantity 6 (26 York Street)



Arterial Puncture Arm

Details This training arm allows for students to practise the procedure of taking an arterial blood sample for requesting arterial blood gas (ABG) analysis. A pulse can be palpated at the radial and brachial sites

Quantity 8 (26 York Street)



Chest Drain and Needle Compression Trainer

Details This product, complete with interchangeable modules, allows for a variety of chest drain insertion techniques to be performed including ultrasound-guided techniques

Quantity 2 (26 York Street)



Chest Drain Mannequin

Details Custom built torso mannequin designed for the procedure of inserting a chest tube. The circular inserts allow an incision to be made, the tube to be inserted and then sutured in position. The inserts are replaceable.

Quantity 1 (SARA Office)

Section 1: Procedural skills



Chest Drain Trainer (Pharmbotics)

Details Mannequin featuring realistic soft tissue and a replaceable chest wall with ribs situated in realistic tactile feel simulated flesh, forming the torso.

Quantity 1 (26 York Street)



Chest Tube Mannequin

Details This mannequin contains the anatomy associated with chest trauma procedures. It contains two exposed sections on the right hand side where the anatomy of the upper torso can be examined. On the left side there is a pressurised tension pneumothorax site which simulates air trapped within the pleural space. A second site on the left hand side is designed for practising a chest tube insertion to drain fluid from the pleural space. Simulated fluids can be introduced into the mannequin to simulate drainage.

Quantity 4 (26 York Street)



Cricoid Stick Trainer

Details This head mannequin is designed for practising needle and surgical cricothyrotomy. The interchangeable trachea can be soft or rigid and has a simulated lung. The neck skin can be replaced for repeated use.

Quantity 1 (Beaumont Hospital)

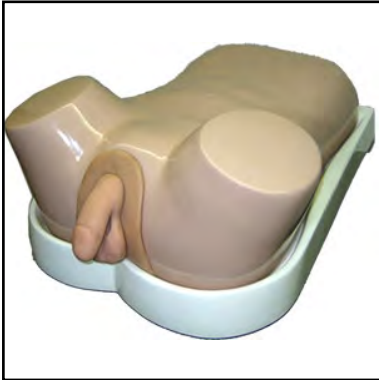


Cricotracheotomy model

Details A realistic Cricotracheotomy Trainer that accurately simulates body tissues allowing effective training in palpation and incision making techniques

Quantity 4 (26 York Street)

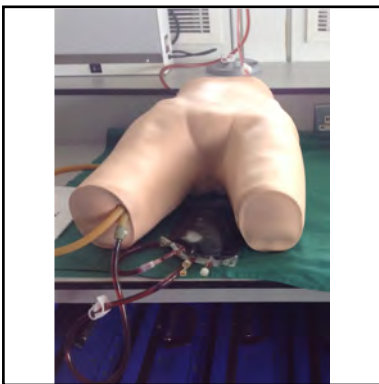
Section 1: Procedural skills



LYRA Endourological Trainer

Details This model was ordered from Irish Hospital Supplies

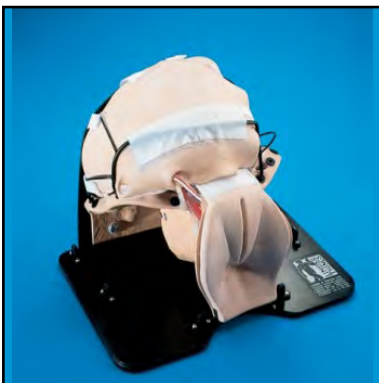
Quantity 2 (26 York Street)



Femoral Access Trainer

Details This mannequin of the lower torso and upper legs is designed for practising accessing the femoral artery. The right leg contains a femoral artery and vein. Simulated arterial and venous blood are present in the vessels allowing the student to identify which vessel they have accessed. A pulse in the femoral artery can also be created to allow students palpate for the position of the artery.

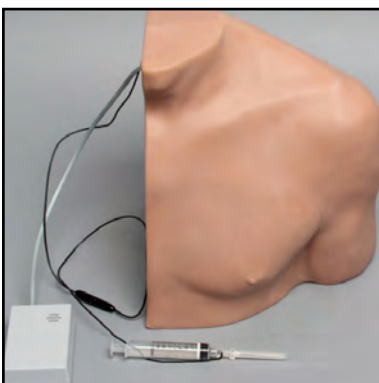
Quantity 1 (26 York Street)



TEP Guildford MATTU Hernia Trainer

Details A unique trainer developed in conjunction with the Guildford (UK) Minimal Access Therapy Technique Unit (MATTU) designed to teach Trans Extra Peritoneal (TEP) Hernia Repair

Quantity 1 (26 York Street)

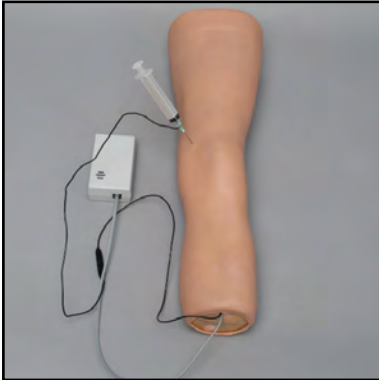


Injection Model, Shoulder (Sawbones)

Details This Shoulder Injection Trainer gives audio feedback when an internal structure is touched with a needle.

Quantity 4 (26 York Street)

Section 1: Procedural skills



Injection Trainer (Limbs & Things)

Details This Knee Injection Trainer has a conductive system that provides audio feedback when a specific internal structure is touched with a needle.

Quantity 4 (26 York Street)



Limbs & Things Injection Trainer

Details This soft tissue injection pad is designed for practising intradermal, subcutaneous and intramuscular tissue injection techniques. The Injection Trainer has multiple tissue layers representing the epidermis, dermis, fat and muscle layer, and can easily attach to an arm or thigh to help teach professional-to-patient communication.

Quantity 10 (26 York Street)



IV Arm

Details This is a realistic replication of an adult male left arm. The dorsal metacarpal, cephalic, median cubital and basilic veins are palpable and contain simulated blood. It is suitable for practising the withdrawal of blood, inserting a cannula, attaching associated dressings and administering IV injections and infusions.

Quantity 14 (26 York Street)



Laerdal IV Torso

Details The Laerdal IV Torso allows practicing of intravenous access techniques for both advanced cardiac life support and trauma.

Quantity 1 (26 York Street)

Section 1: Procedural skills



Lumbar Puncture Trainer

Details The lumbar puncture trainer is suitable for teaching and practising the procedure and technique for lumbar puncture and epidural. Pelvic landmarks and lumbar spinous processes can be palpated and simulated cerebrospinal fluid can be collected.

Quantity 1 (26 York Street)



Advanced Male Catheterisation Trainer

Details The advanced male catheterisation trainer has accurate and realistic male anatomy which allows students to practice the insertion and withdrawal of a male urinary catheter. It is designed for both urethral and supra-pubic catheterization. When a size 14-16 French male catheter is inserted correctly into the bladder simulated urine will flow out through the catheter. There is a suprapubic bung which allows for the insertion of a suprapubic catheter. An additional feature of this model is the self-catheterisation stand which allows it to be used to demonstrate intermittent self-catheterisation (ISC) to patients.

Quantity 10 (26 York Street)



Nasogastric Feeding – The Hungry Mannequin

Details This child size mannequin allows for visualisation of the insertion of a nasogastric and gastrostomy tube. The positioning of the tube as it is inserted can be easily seen. Fluids can be inserted into the stomach to allow practice of aspiration of stomach fluid and measuring pH of the fluid aspirated. Feeding or liquid medicine administration through a nasogastric or gastrostomy tube can be demonstrated.

Quantity 8 (26 York Street)



Nose Bleed Trainer (Epistaxis)

Details This nose bleed trainer contains capillary tubes in the interior of the nose for delivering artificial blood at variable rates to four sites on the septum, identified by the accompanying light panel. The trainee must identify the bleeding point, clear it by suction and deal with it either by nasal packing or cautery.

Quantity 1 (26 York Street)

Section 1: Procedural skills



Paediatric Leg Model

Details The Laerdal Intraosseous Trainer is designed for training in infant intraosseous infusion techniques.

- Intraosseous needle insertion
- Aspiration of simulated bone marrow
- Replaceable pads are prefilled with simulated bone marrow

Quantity 4 (26 York Street)



Pericardiocentesis Simulator with Chest Tube & Pneumothorax

Details This Pericardiocentesis Simulator with Chest Tube and Pneumothorax has been designed specifically to teach the skills needed to perform these difficult procedures correctly, as well as ongoing chest tube maintenance and the management of pre-hospital chest trauma.

Quantity 1 (26 York Street)



Laerdal Little Junior CPR

Details The Little Junior model simulates a 5 year old child of average physiology and anatomy and is designed for realistic training of basic life support skills, primarily cardiopulmonary resuscitation (CPR). Features nasal obstruction of the airway, movable jaw, chest rise and fall with proper ventilations, and realistic landmarks for compression point location.

Quantity 6 (26 York Street)



Laerdal Resusci Anne QCPR – torso in carry bag

Details Resusci Anne QCPR is an adult CPR training mannequin with standard airway head and feedback options that provide opportunity to focus on student competency. Includes: Torso mannequin, 3 decorated mannequin faces, carry bag with integrated kneel mat, jacket, 50 mannequin wipes, user guide and important product information.

Quantity 6 (26 York Street)

Section 1: Procedural skills



Laerdal Resusci Baby QCPR

Details Resusci Baby QCPR is an infant CPR training mannequin which provides opportunity to focus on student competency. With the use of a feedback device enhanced measurement of compressions and ventilations allows for comprehensive and accurate guidance. Features include realistic anatomy including head tilt, chin lift, compression depth and force and chest rise.

Quantity 6 (26 York Street)



Laerdal SimPad SkillReporter PLUS

Details The SimPad Skill Reporter Software provides comprehensive, easy-to-use feedback for enhanced Quality CPR training. All appropriate CPR metrics are measured and the software facilitates real-time feedback, stores data, calculates overall performance, and allows for thorough debriefing. Detailed real-time feedback and enhanced debriefing flexibility enables students to learn and improve CPR performance in a manner which far exceeds what was previously possible. Designed for use with Resusci Anne QCPR and Resusci Baby QCPR (via USB).

Quantity 6 (26 York Street)



Turp Trainer (Bristol)

Details A complete training system for the transurethral resection of the prostate (TURP) using monopolar and bipolar electro surgery.

Quantity 1

Section 1: Procedural skills



Uroscopic Trainer

Details A versatile model that provides for a range of urological endoscopic techniques and procedures to be acquired in line with a trainee's clinical progression

Quantity 1 (26 York Street)



ACF Pad – Venepuncture

Details This soft tissue pad replicates the antecubital fossa in the right arm. It allows students to practise palpation and identification of the vein pattern. It can be used to practise venepuncture and cannulation.

Quantity Ordered as required

Section 2: Surgical Skills



Abdominal Incision boxes

Details Boxes for practicing abdominal incisions.

Quantity 10 Jigs (26 York Street)



Abdominal Simulator for Open Aortic Surgery

Details The SimuVasc AAA Abdomen Simulator was designed by a senior vascular surgeon in Spain who has been involved in vascular simulation training for over 10 years with the SimuVasc organization in Europe. The Abdominal Aortic Aneurysm-AAA Simulator consist of a male size torso with the right anatomy to plug in an AAA inlay , provide a very realistic scenario where the trainee can be trained on all the steps on an abdominal aortic aneurysm open repair procedure.

We have a peristaltic pump for this model.

Quantity 1 (26 York Street)

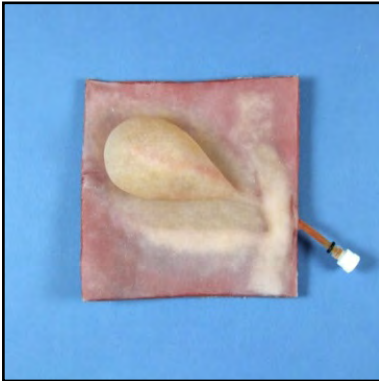


Appendix

Details Appendix Insert for laparoscopic Training boxes

Quantity These are single use and ordered depending on use.

Section 2: Surgical Skills



Gall Bladder

Details Gall Bladder insert for laparoscopic training boxes.

Quantity These are single use and ordered depending on use.



Hernia Blocks and Jigs

Details The Open Inguinal Hernia Repair Trainer provides training opportunities for the repair of both direct and indirect hernia, performed under local anaesthetic

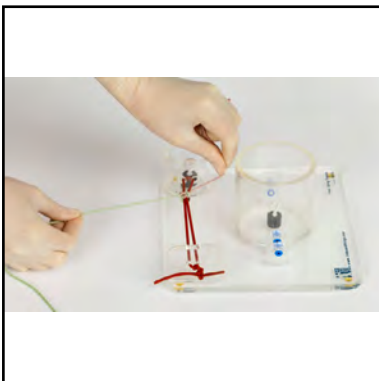
Quantity 20 (Jigs) (26 York Street)



Ingrown Toenail repair Jigs

Details Ingrown Toenail is designed as a resource to help convey the essential skills and techniques required in the application of a tourniquet and wedge excision of an ingrowing toenail.

Quantity 20 (jigs) (26 York Street)



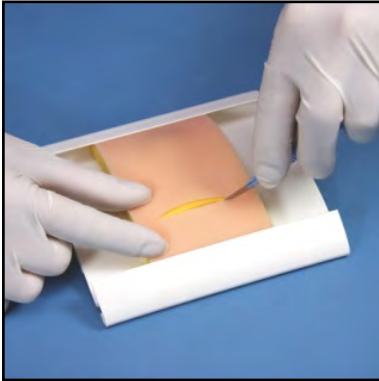
Knot tying Jigs

Details A comprehensive trainer for teaching all surgical knot tying techniques such as:

- 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

Quantity 30 (26 York Street)

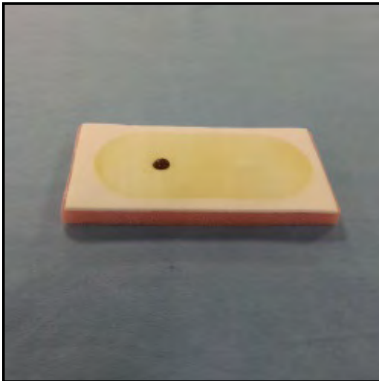
Section 2: Surgical Skills



Lipoma skin pads

Details The full procedure for the removal of a lipoma can be carried out on this pad

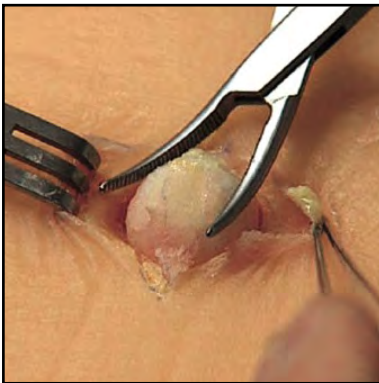
Quantity These are single use and ordered depending on use.



Pigmented Skin Lesions

Details Pigmented Skin Lesion artificial pad.

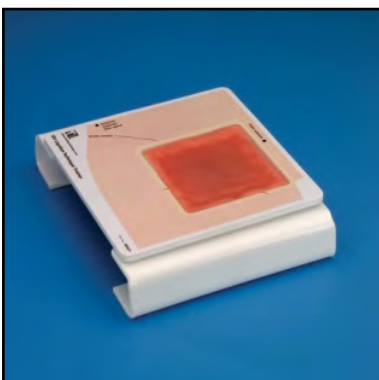
Quantity These are single use and ordered depending on use.



Sebaceous cyst pads

Details The full procedure for the removal of a sebaceous cyst can be carried out on this pad.

Quantity These are single use and ordered depending on use.



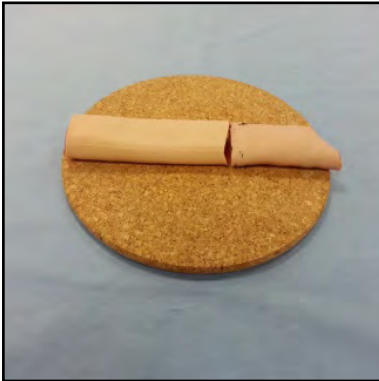
SFJ Ligation Blocks and Jigs

Details Realistic representation of the right hand side groin region for teaching and practicing the skills needed for ligating the saphenous femoral junction.

Quick and easy to prepare and replace during training courses. Replacement blocks are inserted into the jig. These blocks are individual use.

Quantity 20 (Jigs). (26 York Street)

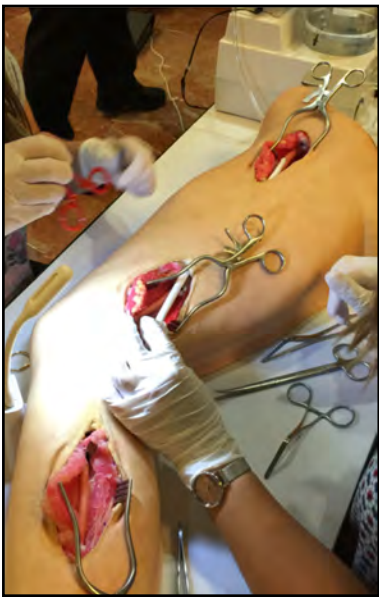
Section 2: Surgical Skills



Simulated Bowel

Details Realistic two layer bowel simulation for learning and practicing anastomosis techniques. (Biological is now used).

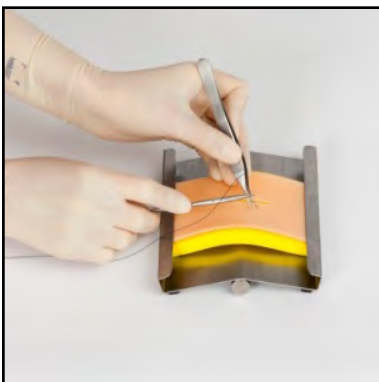
Quantity Order as required



SimuVasc LegBypass Model - 3 Wounds

Details The Leg model consists of a male size leg with three standard vascular wounds where artery can be placed to provide a very realistic scenario. The trainee performs all the steps of a vascular anastomosis during open peripheral vascular surgery-femoropopliteal or femorotibial bypass. It is ready for connection to peristaltic pump. Contain foam and natural latex. We have a peristaltic pump for this model.

Quantity 1 (26 York Street)



Skin Pad Jigs

Details These jigs are used for general suturing practice. The skin pads are replaced after a few uses.

Quantity 40 (jigs) (26 York Street)

Section 2: Surgical Skills



Suture Tutor Plus Pro Complete (Single User)

Details Suture Tutor Plus is a subscription-based self-directed e-learning course teaching the skills of knot tying & suturing. These kits are a limbs & Things product and are ordered through Cardiac Services.

Quantity These are ordered in on demand for course.



UpSurgeOn BrainBox Aneurysm

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details Here's what you can explore in an AneurysmBox:

- II: Optic Nerve
- ICA: Internal Carotid Artery
- ACA: Anterior Cerebral Artery
- A1: First segment of ACA
- AComA: Anterior Communicating Artery
- MCA: Middle Cerebral Artery
- III: Oculomotor Nerve
- PComA: Posterior Communicating Artery
- PCA: Posterior Cerebral Artery
- Ophthalmic Artery
- Pituitary Stalk
- Perforating Arteries
- Lamina Terminalis
- Insula
- Heubner Artery (origin)
- Optic Chiasm
- Basilar Tip

AneurysmBox is a hybrid system designed to analyze virtually one case before operating it physically. In a single simulator you can operate 5 different cases, starting from a mental training based on virtual reality and reaching to manual training.

Case 1: Middle Cerebral Artery

Case 2: Basilar Tip

Case 3: Carotid Bifurcation

Case 4: Anterior Communicating Artery

Case 5: Posterior Communicating Artery

Quantity 2 (jigs) (26 York Street)



UpSurgeOn BrainBox Interhemispheric

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details The Interhemispheric approach is the best access to lesions located in the midline along the corpus callosum and can be used also for lesions in the lateral and third ventricles and in the pineal region.

Here's what you can observe in an InterhemisphericBox:

- Mid frontal hemisphere
- Mid parietal hemisphere
- Third and fourth segment of the anterior cerebral artery (ACA)
- Corpus callosum

Quantity 2 (jigs) (26 York Street)

Section 2: Surgical Skills



UpSurgeOn BrainBox Pterional

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details

Here is what you can explore in a PterionalBox:

- II: Optic Nerve
- ICA: Internal Carotid Artery
- ACA: Anterior Cerebral Artery
- A1: First segment of ACA
- AComA: Anterior Communicating Artery
- MCA: Middle Cerebral Artery
- III: Oculomotor Nerve
- PComA: Posterior Communicating Artery
- PCA: Posterior Cerebral Artery
- Ophthalmic Artery
- Pituitary Stalk
- Perforating Arteries
- Lamina Terminalis
- Insula
- Heubner Artery (origin)
- Optic Chiasm
- Basilar Tip

Quantity

2 (jigs) (26 York Street)



UpSurgeOn BrainBox Retrosigmoid

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details

Here is what you can explore in a RetrosigmoidBox:

- III: Oculomotor Nerves
- PComA: Posterior Communicating Artery
- PCA: Posterior Cerebral Artery
- Pituitary Stalk
- Perforating Arteries
- Basilar artery
- Vertebral artery
- SCA: Superior Cerebellar Artery
- AICA: Anterior Inferior Cerebellar Artery
- PICA: Posterior Inferior Cerebellar Artery
- Mammillary bodies
- IV: Trochlear nerve
- V: Trigeminal nerve
- VI: Abducens nerve
- VII/VIII: Facial/vestibular nerves
- IX-X-XI: Mixed cranial nerves
- XII: Hypoglossal nerve
- Mesencephalus
- Pons
- Medulla oblongata
- Tentorium
- Posterior skull base fossa

Quantity

2 (jigs) (26 York Street)

Section 2: Surgical Skills



UpSurgeOn BrainBox Suboccipital

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details The suboccipital approach allows access to:

- Basilar artery
- Vertebral artery
- SCA: Superior Cerebellar Artery
- AICA: Anterior Inferior Cerebellar Artery
- PICA: Posterior Inferior Cerebellar Artery
- Mammillary bodies
- V: Trigeminal nerve
- VII/VIII: Facial/vestibular nerves
- IX-X-XI: Mixed cranial nerves
- XII: Hypoglossal nerve
- Mesencephalus
- Pons
- Medulla oblongata
- Posterior skull base fossa

Quantity 2 (jigs) (26 York Street)



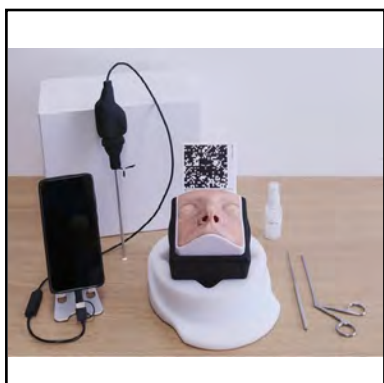
UpSurgeOn BrainBox Temporal

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details Temporal Approach gives access to pathologies located in the superior third of clival region and the temporal lobe. Here's what you can explore:

- II: Optic Nerve
- ICA: Internal Carotid Artery
- ACA: Anterior Cerebral Artery
- AComA: Anterior Communicating Artery
- III: Oculomotor Nerve
- PComA: Posterior Communicating Artery
- PCA: Posterior Cerebral Artery
- Pituitary Stalk
- Perforating Arteries
- Optic Chiasm
- Basilar Tip
- Basal vein
- Internal Cerebral veins
- Vein of Galeno
- SCA: Superior Cerebellar Artery
- IV: Trochlear nerve
- Mesencephalus
- Tentorium
- Middle skull base fossa
- Temporal lobe

Quantity 2 (jigs) (26 York Street)



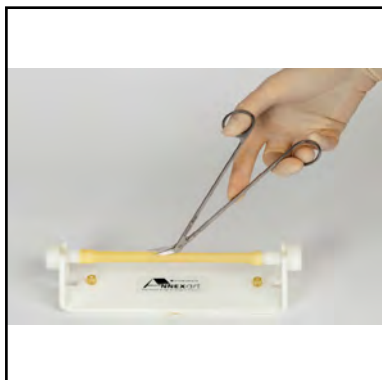
UpSurgeOn BrainBox TNS

BrainBox is a hyperrealistic simulator of neurosurgical approaches and intracranial scenarios. It has been conceived to be fused with an augmented reality app to improve the simulation experience. BrainBox is modular: you can change the internal scenario to switch from one approach to another.

Details TNS Box is the first self-training system for Transsphenoidal endonasal approach to the pituitary fossa. The system is organized in mental (APP), hybrid (AR) and manual (BOX) training. Get the Neurosurgery App to access any of the BrainBox procedures.

Quantity 2 (jigs) (26 York Street)

Section 2: Surgical Skills



Vascular Jigs (with artery inserts)

Details Jigs for vascular and arterial inserts.

Quantity 20 (26 York Street)

Section 3: Physical Examination



Abdominal Examination Trainer (Limbs & Things)

Details An anatomically accurate adult male torso, used to teach and practice the palpation, auscultation and percussion elements of abdominal or gastrointestinal (GI) examination. Ideal for OSCE preparation and assessment. Product includes: Torso featuring abdomen, pelvis and lower part of thorax; 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

Quantity 1 (26 York Street)



Auscultation Trainer and Smartscope™

Details This torso mannequin and Smartscope when used together simulate heart and lung auscultation sounds. The Smartscope must be placed in the appropriate position in order to hear specific heart or lung sounds through the scope. Different heart and lung sounds are heard at different auscultation sites. Certain pre programmed conditions can be selected by the instructor using the accompanying remote control.

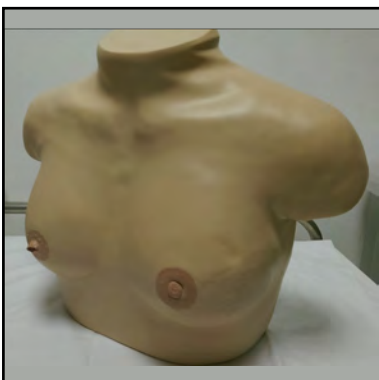
Quantity 1 (26 York Street)
1 (Connolly Hospital)



Blood Pressure Simulator

Details This blood pressure simulator is a replication of the left arm. It is suitable for practising and assessing blood pressure monitoring. A radial pulse can be palpated and Korotkoff sounds can be heard through a stethoscope placed at the position of the brachial artery as the pressure in the cuff is adjusted. The systolic and diastolic blood pressure can be adjusted using the controller. The controller can also be hooked up to loud speakers to broadcast the sounds to a full class.

Quantity 3 (26 York Street)



Breast Cancer Training Model

Details This is an upper female torso mannequin which is designed to aid students learning breast examination. The following pathologies are included:

Quantity 3 (26 York Street)

- Lumps
- Soft lump with flat surface representing benign tumour
- Hard lump with irregular surface representing cancerous tumour
- Lymph Node Metastasis
- Hard axillary lymph node
- Hard cervical lymph node
- Nipple changes and Discharges
- Depressed nipple
- Eczema of the nipple representing Paget's cancer
- Skin Changes
- Skin depression and dimple
- Ulcer formation, partial oedema prominent follicles and orange peel appearance
- Inflammatory breast cancer

Section 3: Physical Examination



Breast Exam Model

Details The Breast Exam Module facilitates training in the recognition of breast disorders, sizes of nodules, and relative locations by simulating multiple abnormalities found during breast examination:

- Normal anatomy of female breasts
- Interchangeable abnormalities to be used with breast modules
- Fibro adenom
- Cyst
- Solid lump/mass

Quantity 1 (26 York Street)



Advanced Breast Exam Simulator

Details A teaching aid to help students and patients in detecting breast cancer symptoms and in training women in self-examination techniques.

Quantity 2 (26 York Street)



Limbs & Things Standard Breast Examination Trainer

Details Provides a realistic platform for acquiring the skills required to perform a Clinical Breast Examination (CBE). Features 6 interchangeable and multi-positional pathologies, providing healthcare professionals with the tools to identify various complications and pathologies, including carcinomas, cysts, fibrocystic disease and fibroadenoma.

Quantity 1 (26 York Street)



Clinical Female Pelvic Trainer

Details This mannequin is an anatomically correct replica of the female pelvis. It allows for examination and diagnosis of pathology and abnormality. The mannequin can be used to practise the skills of cervical smear taking, digital rectal examination, digital vaginal examination, bi-manual examination. The modules from the advanced trainer can be used interchangeably with this model.

Quantity 4 (26 York Street)

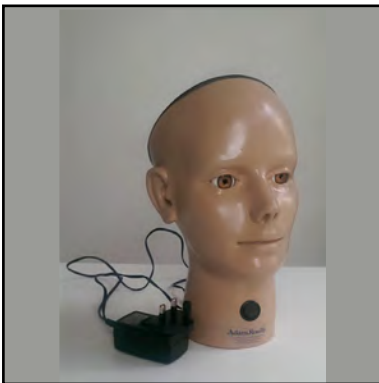
Section 3: Physical Examination



Clinical Female Pelvic Trainer Advanced

Details This mannequin is an anatomically correct replica of the female pelvis. It allows for examination and diagnosis of pathology and abnormality. The mannequin can be used to practise the skills of cervical smear taking, digital rectal examination, digital vaginal examination, bi-manual examination. The interchangeable modules included are:
Normal - Nulliparous Cervix
Large Fibroid - Nulliparous Ectropion Cervix
Small Fibroid - Nulliparous Polyp Cervix
Ovarian Cyst - Multiparous Cervix
Retroverted - Multiparous Cervix

Quantity 1 (26 York Street)
1 (Rotunda Hospital)



Digital Eye Retinopathy Trainer

Details This head mannequin is designed to allow students practise eye examination. The model contains 36 retinal conditions to allow students gain experience with eye examination.

Quantity 2 (26 York Street)



Ear Diagnostic Trainer

Details This head model is designed to allow students to practise ear examination. The model is accompanied by a slide which presents common findings during ear examination.

Quantity 2 (26 York Street)

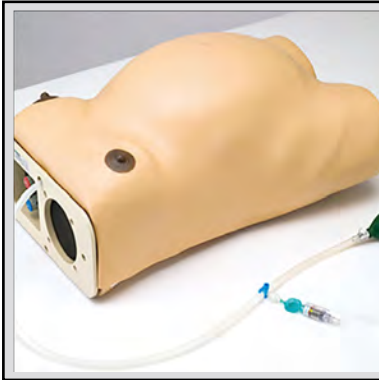


Examination and Diagnostic Breast Trainer

Details This is a single life size breast which can be used to practise breast examination and palpation. It contains a simulated carcinoma, fibroadenoma and benign cyst. The cyst can be aspirated and refilled for repeated use.

Quantity 3 (26 York Street)

Section 3: Physical Examination



Maternity Model

Details This model is designed to simulate the torso of a pregnant women to allow students to practise the Leopold 4-step manoeuvre, external pelvic measurement, Pinard stethoscope monitoring of the fetal heartbeat and breast care.

Quantity 4 (26 York Street)



Mr. Hurt Head Trauma Trainer

Details This head mannequin with an anatomically correct human skull, allows for assessment of head trauma fractures. The fractures present include:

- Open depressed skull fracture
- Le Fort I & III
- Nasal fracture
- Bilateral mandibular fractures
- Fracture of C-6 vertebra
- Unequal pupils
- Hemotympanum
- Deviated Trachea

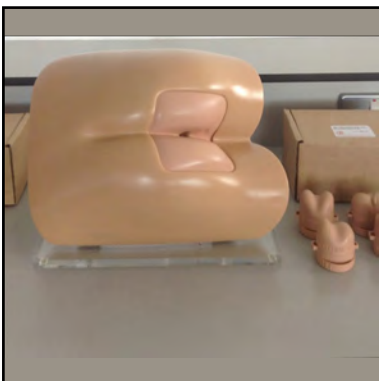
Quantity 1 (26 York Street)



Bristol Pro Ophthalmology Mannequin

Details This ophthalmology mannequin allows students to practise using an ophthalmoscope. Random text objects are present at the back of each eye and can only be seen with correct use of the lens and light system. The eyes are interchangeable. The mannequin also has a realistic red reflex and wide target span. It does not contain any retinal pathology patterns and so cannot be used for recognition such patterns.

Quantity 20 (26 York Street)



Rectal Examination Trainer

Details This mannequin is a realistic replication of the buttocks, anus and rectum. It also contains two interchangeable perineas, one normal and one containing polyp and carcinoma pathologies. There are five interchangeable prostates, normal, bilateral benign, unilateral benign, bilateral carcinoma and unilateral carcinoma. These can be used to produce different examination findings. The mannequin is suitable for practising digital rectal examination, digital examination of the prostate and insertion of an anoscope and proctoscope.

Quantity 6 (26 York Street)

Section 4: Diagnostic Equipment



Ambu@aScope™ 4 Broncho Slim Bronchoscope

Details A single-use bronchoscope that gives you clear visibility of the near and distal bronchial segments. High bending angles and precise tip motion allows for easy navigation of all segments of the lung. Suitable for a wide range of bronchoscopy procedures including difficult intubation and placement and control of double lumen tubes.

Quantity 1 (26 York Street)



Ambu@aView™ High resolution monitor

Details A portable high resolution monitor compatible with all Ambu single-use flexible scopes. Easy-to-use and ready for use instantly after being turned on. USB interface allows for simple transfer of files.

Quantity 2 (26 York Street)



Braun Thermoscan Aural Thermometer

Details A portable high resolution monitor compatible with all Ambu single-use flexible scopes. Easy-to-use and ready for use instantly after being turned on. USB interface allows for simple transfer of files.

Quantity 10 (26 York Street)



Custo Med Cardio 110 – Bluetooth ECG machine

Details The Custo Cardio 110 is a 12-channel ECG designed for recording, analysing and evaluating ECG recordings in medical practices and hospitals. The provided Bluetooth USB stick enables ECG readings to be logged on a computer. Sampling rate is 1000 samples/sec for extremities and chest wall (1ms) and 4000 samples/sec for pacemaker (0.25 ms).

Quantity 4 (26 York Street)

Section 4: Diagnostic Equipment



Custo Med Spiro Mobile

Details The Custo Spiro mobile is designed for measuring and evaluating a patient's pulmonary function. Precise measurements can be taken in just one breathing manoeuvre. The device measures respiratory flow rates and lung volumes and displays them graphically in the software interface via Bluetooth. The type and status of a lung disease can be diagnosed on the basis of the derived measured values.

Quantity 2 (26 York Street)



FreeStyle Optium Neo - Blood Glucose Meter

Details A portable high resolution monitor compatible with all Ambu single-use flexible scopes. Easy-to-use and ready for use instantly after being turned on. USB interface allows for simple transfer of files.

Quantity 10 (26 York Street)



Gardiner Brown Tuning Fork 128 Hz

Details Tuning fork with foot designed for neurological examination.

Quantity 10 (26 York Street)
13 (GP Department)



Gima Alpha Pupil Torch

Details Handheld torch for pupil examination.

Quantity 14 (26 York Street)
12 (GP Department)

Section 4: Diagnostic Equipment



Huntleigh Mini Dopplex

Details The highly sensitive, non-directional D900 is a pocket Doppler suitable for ABPI examination. The D900 Huntleigh Mini Dopplex facilitates blood flow detection when used as part of a programme for ulcer management. Coupled with a 8MHz probe typically used for superficial vascular assessment. However, the D900 can be coupled with a wide range of both vascular and obstetric probes.

Quantity 1 (26 York Street)



Ishihara Test for Colour Deficiency - 24 Plate edition

Details The official standard medical test for colour blindness, the Ishihara 24 plate Colour Test is a test for red-green colour deficiencies. A brief guide to use and interpretation is provided.

Quantity 2 (26 York Street)



McGrath MAC Video Laryngoscope

Details This video laryngoscope features an integrated vertical screen designed to reduce blind spots. Single button operation allows for immediate use. Drop tested up to two metres. Battery life is 250 minutes.

Quantity 3 (26 York Street)



Pulse Oximeters

Details This device measures pulse oximetry.

Quantity 2 (26 York Street)

Section 4: Diagnostic Equipment



Queens Neurological Reflex Hammer

Details Suitable for testing deep tendon reflexes.

Quantity 26 (26 York Street)
6 (GP Department)



Sure Smart Glucose Meter

Details Automatic glucose control detection. Rapid reaction time: 5 seconds. Small sample size: 0.5µL. Bluetooth connectivity.

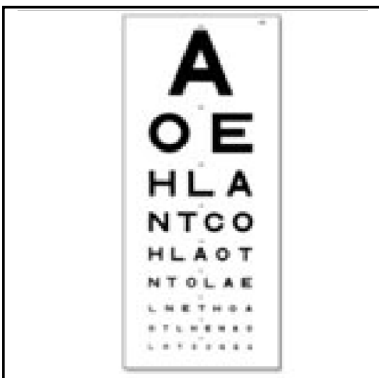
Quantity 10 (26 York Street)



Schiller Cardiovit AT-102 ECG Machine

Details This is a standard hospital 12 lead ECG machine. It can measure resting and exercise ECG. It is accompanied by ECG leads and can run for up to three hours on battery power.

Quantity 4 (26 York Street)



Snellen Chart 3m

Details Test for visual acuity, test distance 3m.

Quantity 1 (26 York Street)

Section 4: Diagnostic Equipment



Snellen Pocket Eye Chart

Details Test for visual acuity, test distance 6ft (1.83m).

Quantity 11 (26 York Street)
10 (GP Department)



Sonotrax Doppler

Details The SonoTrax Doppler is an easy to use device that provides caregivers with a cost-effective solution to meet routine obstetric and vascular requirements. Coupled with an 8MHz probe it allows for superficial vascular examinations. Can be connected with other probes for obstetric examinations.

Quantity 1 (26 York Street)



Sphygmomanometers (BP Cuffs)

Details Single hand operated aneroid sphygmomanometer for the measurement of blood pressure.

Quantity 20 (26 York Street)



Stethoscope

Details Auscultation of internal body sounds.

Quantity 21 (26 York Street)

Section 4: Diagnostic Equipment



Dual Training Stethoscope

Details Allows two people to listen to the one auscultation sound simultaneously. Suitable for use with an examiner and a student or for a tutor to demonstrate to a student.

Quantity 8 (26 York Street)



Vitalograph Peak Flow Meter

Details Simple mechanical peak flow meter which conforms to peak flow standards and is suitable for adults and children. Suitable for use with disposable SafeTway mouthpieces.

Quantity 40 (26 York Street)



Welch Allyn 767 Desktop Aneroid with Reusable Adult Cuff

Details A desktop Aneroid Sphygmomanometer with a Size-11 Adult FlexiPort® Reusable 2-Tube Cuff, a Premium Inflation Bulb and Valve, Coiled Tube (8.0 ft/2.4 m). Certified accurate to +/- 3 mm Hg. FlexiPort® BP cuff is antimicrobial treated to prevent mildew and bacteria growth.

Quantity 10 (26 York Street)



Welch Allyn Professional Diagnostic Set (Ophthalmoscope and Auriscope)

Details The Welch Allyn Professional Diagnostic Set is suitable for performing eye and ear examination.

Quantity 34 (26 York Street)

Section 4: Diagnostic Equipment



Welch Allyn Spot Vital Signs with NIBP, SpO2

Details Vital signs monitor which allows for the automatic measurement of blood pressure and pulse oximetry.

Quantity 1 (26 York Street)



Welch Allyn Standard (Lamp) Laryngoscope

Details Stainless steel laryngoscope with reduced weight for improved balance and manoeuvrability facilitating difficult intubations. Blades easily convert from standard lamp to fibre-optic illumination. Rechargeable handles utilize nickel cadmium batteries, guaranteed for two years. Standard battery handles available in "D", "C" and "AA" battery cell sizes.

Quantity 6 (26 York Street)

Section 5: Laparoscopic, Endoscopic and Endovascular Skills



Body form

Details Body Form is a hands-on trainer for laparoscopic surgery. It simulates conditions which are met in practice in a model which relates technical and spatial problems which are common to laparoscopic techniques. Organs, vessels and other soft tissue structures are reproduced. The rigid structure of the trainer is formed in the shape of the abdominal cavity in life size. This provides the framework for soft tissue assemblies such as the biliary system for laparoscopic cholecystectomy and the peritoneum and vessels for hernia repair.

Quantity 1 (26 York Street)



Colonoscopy Training Model

Details Cardiac Services (Limbs & Things) For practicing colonoscope handling and techniques. Designed to present a wide range of challenges to trainees performing a colonoscopy; challenges varying from simple and uncomplicated cases to difficult and sensitive variations. It provides the necessary training required to avoid patient pain and discomfort during an examination.

Quantity 1 (26 York Street)



eoSim ProTrac Laparoscopic Take Home Kit

Details Cardiac Services (Adam Rouilly) -Model offers the opportunity to train and acquire skills required in the use of a fiberscope in the Oesophagus, Stomach & Duodenum. Order Code: ADAAK014

Quantity 71 (26 York Street)

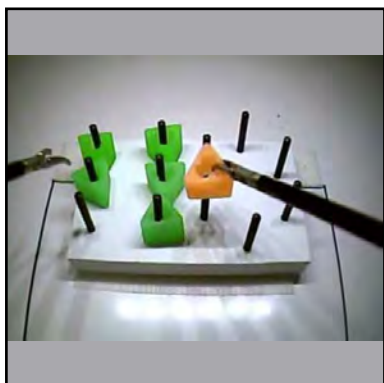


ERCP Training Type E with Indication Function

Details Cardiac Services (Adam Rouilly) -Model offers the opportunity to train and acquire skills required in the use of a fiberscope in the Oesophagus, Stomach & Duodenum.

Quantity 1 (26 York Street)

Section 5: Laparoscopic, Endoscopic and Endovascular Skills



Fundamentals of Laparoscopic Surgery Tasks (including peg transfer, suturing, use of ligature, sharp dissection)

Details Tasks for laparoscopic training

Quantity 10 (26 York Street)



GI Mentor Express

Details The GI Mentor's unique training system combines designated hardware and software to create a true-to-life sensation, including original Colonoscope and Duodenoscope, and physical master tool and guidewires to simulate a variety of endoscopic tools.

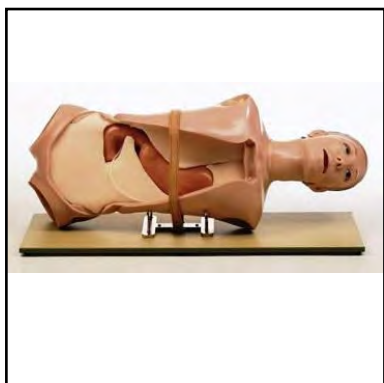
Quantity 2 (26 York Street)



Mentice VIST G5 Endovascular Simulator

Details The Mentice VIST G5 is an endovascular simulator enabling hands-on procedural training for clinicians and medical professionals. Supports actual medical devices to enhance clinical realism. Includes: VIST G5 device, Laptop, 21.5" HD monitor, VIST control box, all accessories and components.

Quantity 2 (26 York Street)



OGI Phantom Model

Details

- Oesophagoscopy
- Gastroscopy
- Bulboscopy
- ERCP
- Endoscopy of upper gastrointestinal tract
- Catheterisation of papilla Vateri by retrograde instillation of contrast medium into pancreatic duct system Order Code: ADAANAC4

Quantity 1 (26 York Street)

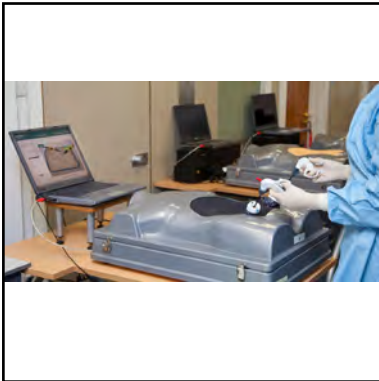
Section 5: Laparoscopic, Endoscopic and Endovascular Skills



Olympus Laparoscopic Stack System

Details Laparoscopic stack system consisting of 1080p Full HD monitor, UHI-4 High Flow Insufflation Unit, Visera Elite Video System (OTV-S190 and CLV-190), and 10mm HD Laparoscope.

Quantity 3 (26 York Street)



ProMIS 2 LAPAROSCOPIC SIMULATOR

Details The ProMIS curriculum is based on validated approaches to surgery and surgical training. Each module is segmented into learnable, medically relevant tasks. All tasks are measured with validated metrics, including time taken, path length, and economy of movement. Feedback is presented immediately on completion of a task. Users see graphical and video playback that shows the exact track of their instruments during the task.

Quantity 1 (26 York Street)



PROMIS 3 LAPAROSCOPIC SIMULATOR

Details The ProMIS curriculum is based on validated approaches to surgery and surgical training. Each module is segmented into learnable, medically relevant tasks. All tasks are measured with validated metrics, including time taken, path length, and economy of movement. Feedback is presented immediately on completion of a task. Users see graphical and video playback that shows the exact track of their instruments during the task.

Quantity 2 (26 York Street)



Simbionix GI Mentor

Details An endoscopic medical simulator for the training of gastrointestinal upper and lower endoscopic procedures, offering a comprehensive library of modules with more than 120 tasks and virtual patient cases.

Quantity 2 (26 York Street)

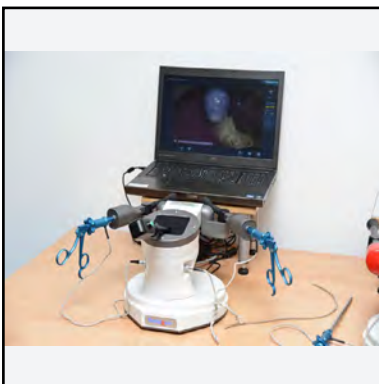
Section 5: Laparoscopic, Endoscopic and Endovascular Skills



Simbionix Large Lap Mentor

Details The Lap Mentor simulator provides an array of hands-on laparoscopic training across multiple disciplines.

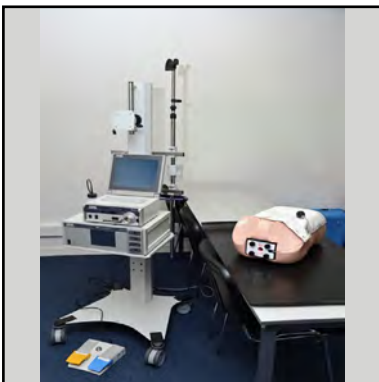
Quantity 1 (26 York Street)



Simbionix Mentor Lap Express

Details A mobile version of the Lap Mentor.

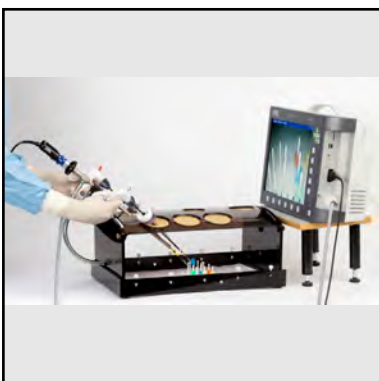
Quantity 2 (26 York Street)



Storz Gastro Pack and Scope

Details The Gastro pack endoscopic video unit and associated scope is used with the Colonoscopy Training Model (shown on table).

Quantity 1 (26 York Street)



Storz Monitor and Box Trainer

Details The Storz Telepack series offers users a monitor, camera control unit, and data management with integrated network function as a portable mobile solution in a single unit.

Quantity 10 (26 York Street)

Section 6: Clinical Environment



Arm Retainer – J Shaped

Details This anesthesia system provides digitally controlled and measured ventilation, vaporization and gas delivery. Integrated communication capabilities provide patient and system information and the machine's rising multi-breath provides visual feedback, increased safety and rapid response times.

Quantity 1 (26 York Street)



GE Datex Ohmeda Aisys Carestation Anesthesia Machine

Details This anesthesia system provides digitally controlled and measured ventilation, vaporization and gas delivery. Integrated communication capabilities provide patient and system information and the machine's rising multi-breath provides visual feedback, increased safety and rapid response times.

Quantity 1 (26 York Street)



Blocks for Spinal Immobilization

Details Supportive blocks and straps to support cervical spine immobilization to be used in conjunction with a cervical collar.

Quantity 6 (26 York Street)



Bovie Specialist PRO Diathermy Machine

Details This diathermy machine is capable of most monopolar and bipolar electrosurgical procedures, with 5 energy outputs offering up to 120 watts of cutting power. Modalities include Cut, Blend, Coagulation, Fulguration and Standard Bipolar. The unit is designed with safety features BovieNEM™ (Neutral Electrode Monitoring) pad sensing technology, BovieDED™ (Digital Error Detection), audible alert tones and self-test circuits.

Quantity 1 (26 York Street)

Section 6: Clinical Environment



Broselow Paediatric Emergency Tape

Details Broselow paediatric tape is a colour coded system that identifies the medication dosing, instrument sizes and shock level according to length and weight of patient.

Quantity 4 (26 York Street)



CAT Combat Application Tourniquet

Details The Combat Application Tourniquet (C-A-T™) generation 7 is a true one-handed tourniquet that completely occludes arterial and venous blood flow of an extremity in the event of a traumatic wound with significant haemorrhage. The C-A-T™ uses a windlass system with a free moving internal band to provide true circumferential pressure to the extremity. Once tightened and bleeding has stopped, the windlass is locked in place. A Velcro® strap is then applied for further securing of the windlass during casualty evacuation.

Quantity 4 (26 York Street)



Cervical Collars

Details Cervical collars for application in the case of traumatic head and neck injuries. A range of sizes and adjustable models.

Quantity Ordered as required



Combi Carrier II

Details This is a 2 part patient handling spinal board used to provide rigid support during movement of patient with suspected hip, pelvic and spinal injuries.

Quantity 1 (26 York Street)

Section 6: Clinical Environment



Welch Allyn Connex Spot Monitor

Details This vital signs monitor features an easy-to-use touchscreen display providing accurate vital signs measurement including blood pressure averaging, spot checking, interval monitoring and custom scoring across patient populations. Connects wirelessly to EMR and sends vitals to the patient chart from the point of care to help improve efficiency. Includes one Adult and one Large Adult cuff.

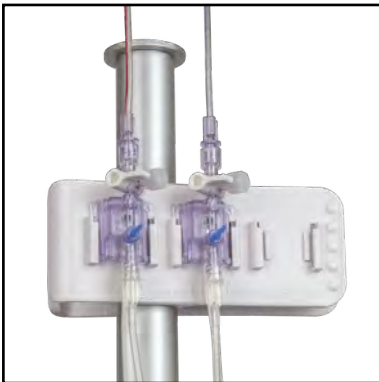
Quantity 13 (26 York Street)



Dräger Oxylog® 3000 plus

Details Offering high ventilation performance with features such as AutoFlow® integrated capnography and non-invasive Ventilation, the compact and robust Oxylog® 3000 plus helps you transport your patients safely and provides feedback on correctness of intubation and ventilation effectiveness.

Quantity 1 (26 York Street)



Edwards LifeSciences Transducer (Adult, Double)

Details Single-use, sterile pressure monitoring kits that relay blood pressure information from a pressure monitoring catheter to a patient monitoring system.

Quantity 1 (26 York Street)

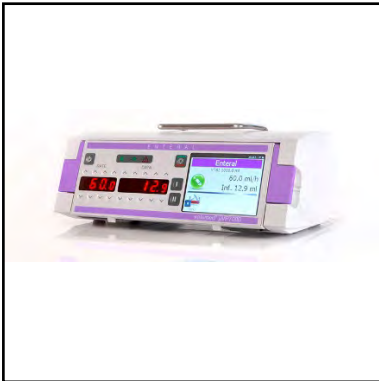


GE Giraffe Warmer

Details An infant warmer providing a radiant heating source for keeping the newborn baby warm and safe. Features a colour control panel displaying patient information and trended data, a dimmable fixed general observation light and an adjustable procedure light. Also features hands-free alarm silencing, as well as a conventional silence button. The slide-out 360° rotating mattress allows easy access to the baby during procedures and the pressure diffusing mattress can be tilted any angle up to 12° for Trendelenburg or reverse Trendelenburg positions when inside the compartment.

Quantity 1 (26 York Street)

Section 6: Clinical Environment



Infusion Pump – Volumed uVP7000 Chroma I

Details This volumetric infusion pump is designed to pump drugs or other infusates using a peristaltic system. It can be used in both stationary and mobile applications with a battery life of up to 6 hours. Applications include neonatology, intensive and cardiac care, pediatrics, gynecology and obstetrics, surgery and general medicine. Features a large LCD touchscreen for ease of use and an integrated lock with safety password.

Quantity 6 (26 York Street)



Infusomat Space Infusion Pump

Details Infusion pump for the administration of IV fluids

Quantity 1 (26 York Street)



IV Drip Stand

Details Portable stands for hanging IV bags for easier administration of drips to patients.

Quantity 15 (26 York Street)



Maquet Meera Mobile Operating Table

Details An OR table by Manquet taking the individual benefits from two of their previous tables and combining them into one product. Features a motorized longitudinal shift, allowing for almost unrestricted radiolucency.

Quantity 1 (26 York Street)

Section 6: Clinical Environment



Leica M651 MSD Surgical Microscope

Details This Surgical microscope is the table-top version of the Leica M651 and is designed for the practising of microsurgical techniques in a laboratory environment.

Quantity 5 (26 York Street)



Nouvag Vacuson 40 – Mobile high volume suction pump

Details The Nouvag Vacuson 40 suction pump is used for the suction of fluids and secretions. The pump power can be controlled precisely and is monitored by the manometer with a scale in bar and mmHG. The pump delivers a capacity of up to 40 liters per hour and is quiet with low vibrations. It can also be operated with an on/off foot switch.

Quantity 1 (26 York Street)



Patient Hoist - Invacare Birdie

Details A patient lift/hoist with a maximum lifting capacity of 180kg. Electric opening legs can be adjusted using hand remote control and manual through the use of two pedals. A fully charged battery provides 40 cycles.

Quantity 2 (26 York Street)



Pelvic Binder

Details This binder is designed so that the user applies the correct force during application of the binder for pelvic ring fractures.

Quantity 3 (26 York Street)

Section 6: Clinical Environment



Philips HeartStart XL+ Defibrillator/Monitor

Details This portable defibrillator/monitor provides four clinical modes of operation: Monitor, Manual Defibrillation, AED, and Pacer (optional). Monitor Mode allows up to three ECG waveforms simultaneously, acquired through a 3- or 5-lead ECG set or multifunction electrode pads. Manual Defibrillation Mode offers simple, 3-step defibrillation. In AED Mode, the HeartStart XL+ analyzes the patient's ECG and determines whether a shock is advised. Voice prompts guide you through the 3-step defibrillation process, providing easy-to-follow instructions and patient information.

Quantity 2 (26 York Street)



Syringe Driver – Syramed uSP6000 Chroma I Syringe

Details This syringe driver delivers medication to a patient at a constant flow rate, adjustable from 0.1-1500 ml/h. The volume range is adjustable from 0.1-999ml and the pressure limit adjustable from 0-999 mbar or mmHg. A large and easy to read colour LCD Touchscreen coupled with MedMarker™ medication colour coding, provides an easy-to-use user interface. Battery operation up to 10h depending on rate.

Quantity 2 (26 York Street)



Thomas Splint Traction Kit Non-Adhesive (adult)

Details A metal splint for fractures of the arm or leg (particularly the femur) that consists of a ring at one end to fit around the upper arm or leg and two metal shafts extending down the sides of the limb in a long U with a crosspiece at the bottom where traction is applied.

Quantity 4 (26 York Street)

Section 7: Full Body Patient Simulator



Basic GERi Manikin (Lifeform)

Details

GERI is a full-sized, lightweight patient manikin with interchangeable genital attachments. It has an elderly appearance with some visual pathologies:

- Normal and cancerous mole
- Stage 1 Sacral Ulcer
- Dilated and constricted pupils
- Reddened skin folds

GERi can be used to teach the following skills:

- Bandaging and dressing
- Bed baths
- Denture placement and removal
- Ear canal irrigation, optic drops, and hearing aid placement
- Eye irrigation
- Digit manipulation with bandaging - flexible and individually molded
- Hair care washing and combing
- Intramuscular injection sites: Arm, Thigh, Buttock
- Oral and nasal hygiene: Lavage, Gavage, and Suctioning
- Ostomy care: Ileostomy and Colostomy Tissue
- Maintenance and appliance application, lavage, and suctioning
- Patient positioning
- Patient transfer techniques
- Pericare
- Tracheostomy care, lavage and suctioning

Quantity

1 (26 York Street)

Section 7: Full Body Patient Simulator



CAE Lucina Birthing Simulator

Details Lucina is a wireless birthing simulator that allows clinicians and students to practice pre-partum assessment, labour and delivery, emergency care and transport. With modelled and validated physiology that is integrated with the fetal physiology, Lucina responds automatically to obstetric manoeuvres and clinical interventions.

Quantity 2 (26 York Street)

Obstetrical

- Integrated maternal-fetal physiological modelling
- Realistic and consistent birth canal and vulva/perineum support with accurate fetal descent and rotation
- Multiple birthing positions: lithotomy, sitting and all fours
- Rectal suppository administration

Pre-partum

- Vaginal examinations: evaluation of cervix, fetal station and position
- Leopold's Maneuvers can be performed
- Epidural port with infusion and aspiration

Intra-partum

- Realistic palpable uterine contractions with controllable rate and duration
- Vertex and breech delivery, shoulder dystocia
- Intact/fragmented placenta with realistic colour, texture and flexibility

Fetus

- Fetal heart sounds–5-locations based on fetal presentation

Post-partum

- Postpartum hemorrhaging, including Class III hemorrhage
- Bimanual compression and uterine massage, with uterine blood released during massage
- Intrauterine balloon insertion

Airway

- Advanced lungs with mechanical ventilation support and different ventilation modes (CMV, SIMV)
- Supports endotracheal tubes, nasal-pharyngeal and oropharyngeal airway
- Lung auscultation: anterior and posterior with individual lung control

Circulatory

- ECG monitoring posts and interface with real ECG monitor
- Dynamic bilateral pulses: carotid, radial, brachial, and dorsalis pedis; pulse strength can be controlled

Cardiovascular

- Advanced CPR analysis (compression depth and rate, chest recoil, compression fraction, ventilation volume and rate)
- Pacing, cardioversion and defibrillation

Nervous system

- Seizure is simulated with rhythmic movement of arms and rapid blinking fraction
- SymEyes display patient symptoms and conditions

Section 7: Full Body Patient Simulator



Crash Kelly Manikin (Laerdel)

Details Crash Kelly is a low fidelity, durable, training manikin with an intubation head for advanced airway management training and realistic articulation.

The following skills can be taught using Crash Kelly:

- Intubation head with improved airway allows for insertion of standard airway devices with the addition of LMA, Combitube and the King LT
- Head can be tilted forward, backward or rotated 90 degrees to either side
- Right mainstream intubation
- Oropharyngeal and Nasopharyngeal airway insertion
- Bag valve mask ventilation
- Stomach auscultation to verify proper airway positioning
- Manually generated carotid pulse
- Articulated body for full range of motion

Quantity 2 (26 York Street)

Section 7: Full Body Patient Simulator



SimMan 3G

Details SimMan 3G is an advanced patient simulator which has many features listed below:

Quantity 2 (26 York Street & Beaumont Hospital)

Airway

Airway occlusion (head tilt/chin lift, jaw thrust)
Foreign object obstruction
Instructor controlled mechanical airway closure
Chest tube insertion - left midaxillary

Intubation

Oral/nasal airway insertion
Endotracheal tubes - insertion, securing and care
Oropharyngeal and nasopharyngeal airways - insertion and suctioning supraglottic airways (LMA, LTA and Combitube)
Right mainstem intubation
Retrograde intubation
Trans-tracheal jet ventilation
Oral and nasal fiberoptic intubation
Cricothyrotomy
Sellick manoeuvre
Stomach auscultation to verify proper positioning

Oxygen delivery procedures

Suctioning techniques
Tracheostomy care and suctioning
Auscultation of lung sounds
Auscultation of lung sounds during ventilation
Lung sounds, synchronized with breathing rate
Individual lung or bilateral sound selection
Needle chest decompression
Pharyngeal obstruction
Laryngospasm
Decreased Lung compliance
Airway increased right and/or left lung resistance
Stomach decompression
Laryngeal mask airway
Ventilation Sensor
Airway complications (instructor controlled)
Realistic chest rise and fall
Inflatable tongue edema

Circulation

Instructor controlled ECG rhythm
ECG monitoring
Defibrillation (manual/automatic)
Auto conversion of ECG w/defibrillation
Defibrillation sensors
Auscultation of heart sounds Heart sounds, synchronized with programmable ECG
Cyanose
Convulsions / Seizure
Pacing

Blood pressure / pulses

Adjustable pulse strength
Adjustable heart rate
Automatic carotid pulse (electronic pulses)
Synchronized (w/ECG)
Carotid pulse during compressions
Carotid pulse check sensors
Brachial pulses
Pulses only active when palpated pulse strengths dependent on blood pressure
Adjustable bp levels (systolic/diastolic)
Blood pressure auscultation
Korotkoff Sounds, synchronized with ECG
Auscultative gap, with on/off feature
Blood pressure / pulses
Pulse oximetry
Bilateral femoral, left radial and brachial pulses

Catheterization

Complete urinary catheterization
Urine output

Breathing

Spontaneous breathing

Circulatory skills and IV drug administration

IM Injections
IV Infusion
IO insertion
Automatic drug recognition

CPR

Anatomical landmarks
Head tilt/chin lift sensors
Ventilation with bag-valve-mask
Ventilation measurement and feedback
Closed chest compressions
Abdominal thrust
Compression measurement and feedback
Detailed CPR evaluation
Compression counter
Complete release feedback

Gastrointestinal

Nasoenteric and esophageal tubes - insertion, care, and removal
Auscultation of bowel sounds - normal / abnormal

Eye features

Dilated pupil
Light sensitive pupils
Blinking eyelids

Simulation administration

Event logging
Create and edit scenarios
Pre-programmed scenarios
Web camera
Simulated patient monitor
Pre-set patient state levels
Patient monitor with configurable vital sign display
Remote Instructor PC
Wireless operation
Video debriefing

Vocal sounds

Pre-recorded vocal sounds
Live vocal sounds (wireless or wired mic)

Wounds / Trauma

Simulated bleeding wounds

Secretions

Sweat, tears, froth

Section 7: Full Body Patient Simulator

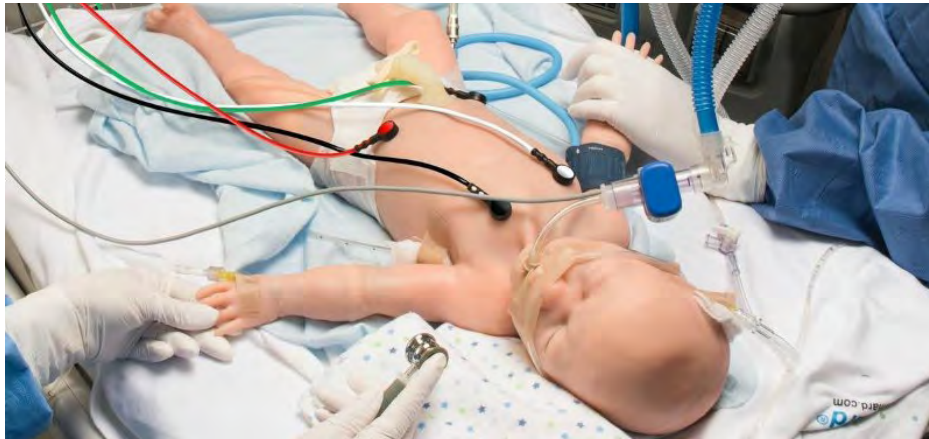


SimMan 3G Trauma

- Details** SimMan 3G Trauma has almost all of the features of SimMan 3G with the addition of all four amputated limbs. Due to the amputated limbs, SimMan 3G trauma does not have the following features:
- Seizures
 - Automatic drug recognition
 - Sits unassisted
 - Bends at waist

Quantity 1 (26 York Street)

Section 7: Full Body Patient Simulator



Super Tory

Details Super Tory is the most advanced neonatal patient simulator available on the market today. This 8 lbs. 21 in. newborn movements are programmable is designed to be used with real monitors. Super Tory is wireless and tetherless and holds a battery life of up to 8 hours.

Quantity 2 (26 York Street)

Key maternal features

Neurologic

- Crying/grunting with visible mouth movement
- Blinking eyes
- Seizures/convulsions
- Programmable muscle tone: active, reduced, limp

Airway

- Nasotracheal/orotracheal intubation (ETT, laryngeal airway)
- Supports esophageal intubation
- Bag-valve-mask ventilation support
- Neck hyperextension and lesion airway obstruction with event capture and logging

Breathing

- Spontaneous breathing with variable respiratory rates and inspiratory/ expiratory ratios
- Mechanical ventilation support
- Bilateral, midaxillary pneumothorax sites support needle decompression and chest tube insertion
- Pneumothorax sites feature palpable bony landmarks, realistic skin for cutting and suturing, bleeding, tactile pleural pop, and fluid drain

Cardiac

Includes comprehensive library of ECG rhythms with customizable beat variations eCPR™ Real-time quality feedback and reporting

- Defibrillate, cardiovert and pace using real devices and energy
- Effective chest compressions generate palpable femoral pulses and ECG activity

Circulatory

- Visible cyanosis, jaundice, paleness, and redness with variable intensities
- Supports manual capillary refill time assessment on the left foot
- Programmable fontanel: depressed, normal, and bulging
- Palpable pulses: brachial, femoral, and umbilical
- Supports blood pressure monitoring using a real NIBP cuff
- Preductal (right hand) and postductal (right foot) SpO2 monitoring using real devices

Vascular Access

- IV cannulation: bolus, infusion, and sampling: Hand, Scalp, Umbilicus
- Umbilical catheterization (UVC/UAC): continuous infusion and sampling
- Bilateral IO tibial infusion

Gastrointestinal

- Programmable abdominal distension
- Urinary catheterization with return
- Normal and abnormal bowel sounds

Section 7: Full Body Patient Simulator



Nursing Anne

| | |
|-----------------|---|
| Details | <p>VitalSim Nursing Anne is a full body patient simulator which can be used for teaching the following skills:</p> <ul style="list-style-type: none">Basic patient handlingDenture careOral hygieneOral and nasal IntubationEye and ear irrigation (simulated)NG Tube insertion, care medication administration and removalLavage/GavageTracheostomy care and suctioningBlood pressure skills (When used with VitalSim)IV care and managementSubcutaneous and intramuscular injectionOxygen delivery proceduresOstomy irrigation and careCatheterization skillsEnema simulationColonic irrigationWound assessment and careBandaging and dressingPost-surgical mastectomy-care proceduresRecognition of breast disorders, their sizes and relative locationsPractice of fundus massage skillsAuscultation and recognition of normal and abnormal heart, breath and bowel sounds and fetal tones (When used with VitalSim) |
| Quantity | 1 (Graduate Entry Programme – Connolly Hospital) |

Section 8: Ultrasound



Butterfly iQ Probes

Details

The Butterfly iQ probe is a battery powered ultrasound system that integrates with IOS and Android devices for a simple user interface. Butterfly iQ is indicated for use by trained healthcare professionals in environments where healthcare is provided to enable diagnostic ultrasound imaging and measurement of anatomical structures and fluids of adult and pediatric patients for the following clinical applications:

- Peripheral Vessel (including carotid, deep vein thrombosis and arterial studies)
- Procedural Guidance
- Small Organs (including thyroid, scrotum and breast)
- Cardiac
- Abdominal
- Urology
- Fetal/Obstetric
- Gynecological
- Musculoskeletal (conventional)
- Musculoskeletal (superficial)
- Ophthalmic

Quantity 2 (26 York Street)

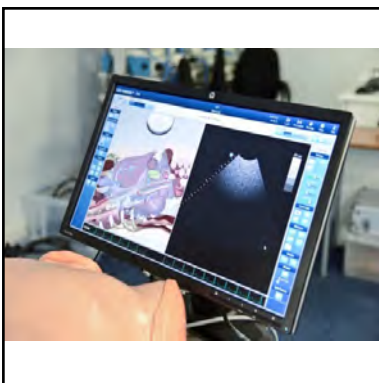


Central Venous Puncture Trainer

Details

- Designed for practising ultrasound guided central venous puncture as well as landmark puncture
- Identify puncture site by recognising the important landmarks
- CV puncture can be performed
- Ultrasound can be used to confirm access to the following:
- Internal jugular venous puncture
- Subclavian venous puncture
- Supraclavicular venous puncture

Quantity 1 (26 York Street)



CAE Healthcare Simulated Ultrasound Model

Details

Using computer-generated echo simulation, VIMEDIX teaches learners how to perform cardiac echo imaging procedures and interpret the scanned ultrasound images.

Quantity 1 (26 York Street)

Section 8: Ultrasound



Gen II - Hand Pump Ultrasound Central Line Training Model

Details Ultrasound simulator with vascular anatomy including the internal jugular vein (IJ), brachiocephalic vein, subclavian vein, axillary vein, carotid artery, subclavian artery and axillary artery. Various points of access include internal jugular (IJ), subclavian, infraclavicular and supraclavicular approach as well as access via the axillary vein. The simulated superior vena cava, right atrium and right ventricle offer users the ability to fully thread guidewires, dilators and catheters without resistance. This adult male upper torso central line mannequin also includes internal landmarks such as the trachea, suprasternal notch, manubrium and clavicle.

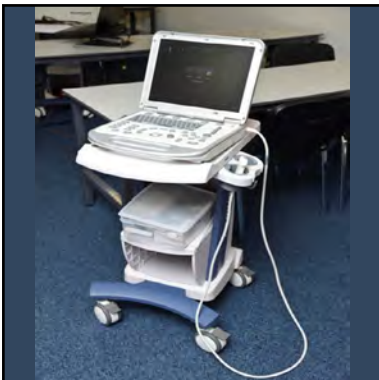
Quantity 1 (26 York Street)



Internal Jugular Central Line Ultrasound Manikin

Details The light weight and portable internal jugular training manikin contains vascular anatomy including the internal jugular vein (IJ) and the carotid artery. Internal structures also include the trachea and clavicle providing you with superb realism – using any ultrasound system equipped with a vascular access ultrasound transducer.

Quantity 2 (26 York Street)



Mindray Ultrasound Machine

Details The suppliers for these Mindray Ultrasound units are Biomed.

Quantity 4 (26 York Street)



Regional Anaesthesia Ultrasound Training Block Model

Details Blue Phantom Select Series Peripheral Nerve Block regional anaesthesia ultrasound training model is an excellent training tool for assisting clinicians develops, practice and maintain the skills necessary to use ultrasound for guiding regional anaesthesia and vascular access procedures.

Quantity 8 (26 York Street)

Section 8: Ultrasound



Spinal Epidural and Lumbar Puncture Training Model

Details Blue Phantom Lumbar Puncture and Spinal Epidural training model offers clinicians the flexibility to practice and teach a wide variety of procedures including lumbar puncture, lumbar epidural, thoracic epidural, and cervical epidural diagnostic and therapeutic procedures. The base model contains the lumbar puncture and lumbar epidural configuration.

Quantity 1 (26 York Street)



SonoSim® LiveScan®

Details The SonoSim LiveScan transforms live volunteers and mannequins into ultrasound training cases with real pathologic conditions. Tags are applied to designated anatomic locations and serve as ultrasound scanning windows. LiveScan can be combined with the SonoSim Training Solution to integrate didactic content and knowledge assessment.

Quantity 1 (26 York Street)



SonoSim® Ultrasound Training Solution

Details The SonoSim® Training Solution consists of a probe, scan pad and USB drive that transforms a personal computer into sophisticated ultrasound training environment. Provides hands-on ultrasound training, didactic instruction, and assessment for thousands of actual patient cases with a broad spectrum of normal and real pathologic conditions.

Quantity 1 (26 York Street)



Transesophageal Echo and Transthoracic Echo Training Ultrasound Training Model

Details Blue Phantom's TTE/TEE cardiac ultrasound training platform allows users to develop and practice ultrasound imaging skills as TEE, transthoracic echocardiography, and ultrasound guided pericardiocentesis. These skills include; using ultrasound system controls, transducer insertion & placement, probe positioning and movement, applying proper transducer pressure to obtain images, recognition of the cardiac structures, lung and rib artefacts and other anatomical structures and guiding needles and catheters to the pericardial space for pericardiocentesis training. (Note: TOE Scope not included).

Quantity 1 (26 York Street)

Section 8: Ultrasound



Vimedix Ultrasound Simulator (CAE)

Details CAE Vimedix is a high-fidelity simulator that facilitates the learning process for cardiac, lung, abdominal and OB-GYN ultrasound – all on one common platform. With its software and manikin-based system and live, remote learning features, CAE Vimedix accelerates the development of essential psychomotor and cognitive skills for ultrasound probe handling, image interpretation, diagnoses and clinical decision-making.

Quantity 1 (26 York Street)

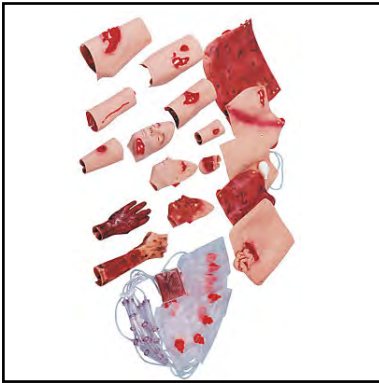
Section 9: Moulage



Multiple Casualty Simulation Kit

Details Moulage kit for the simulation of wounds and other conditions.

Quantity 1 (26 York Street)

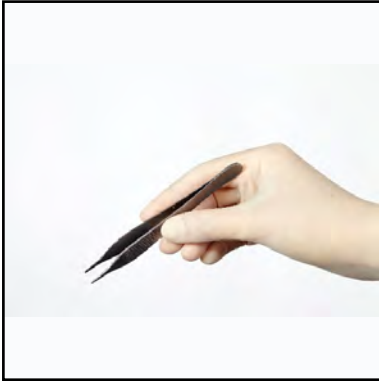


Trauma Moulage Kit

Details Moulage kit for the simulation of wounds and other conditions.

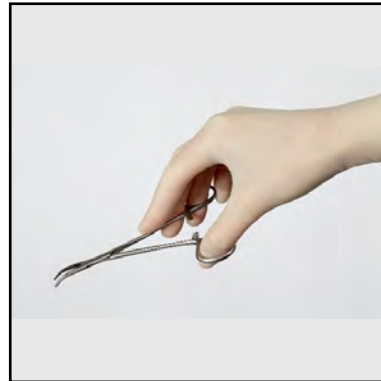
Quantity 1 (26 York Street)

Section 10: Surgical Instruments



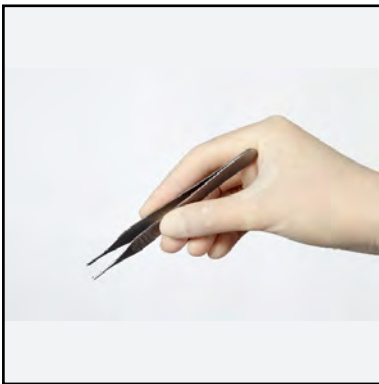
Adson non-toothed forceps

Quantity
48 (26 York Street)



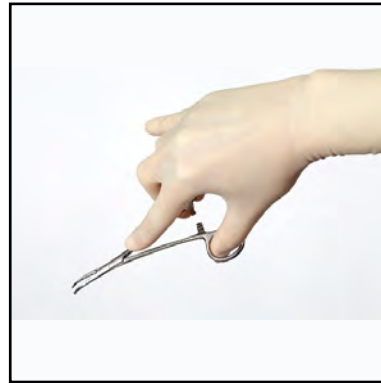
Artery forceps (curved, medium)

Quantity
36 (26 York Street)



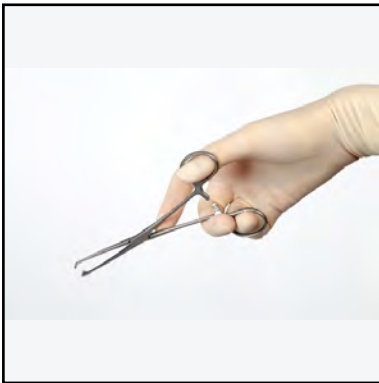
Adson toothed forceps

Quantity
57 (26 York Street)



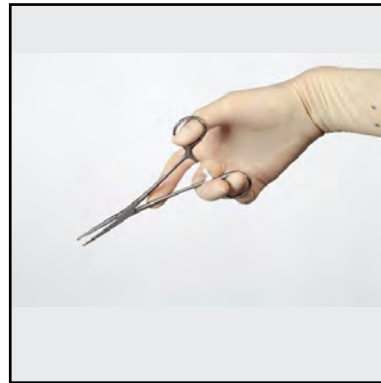
Artery forceps (curved, small) (mosquito)

Quantity
63 (26 York Street)



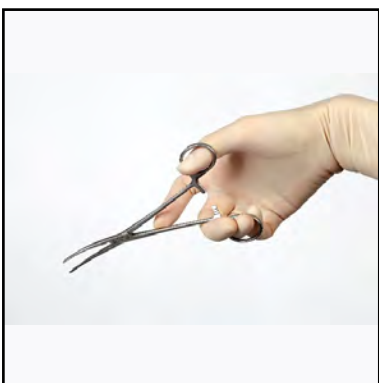
Allis forceps

Quantity
20 (26 York Street)



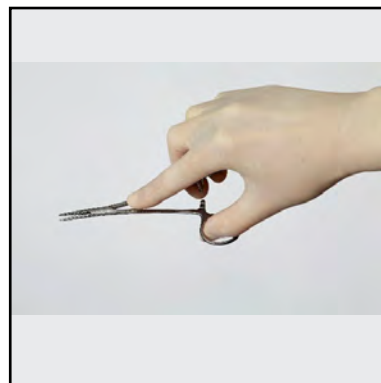
Artery forceps (straight, medium)

Quantity
26 (26 York Street)



Artery forceps (curved, extra-large)

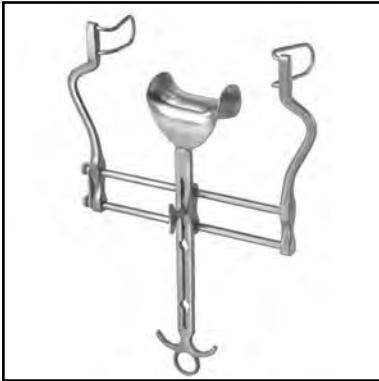
Quantity
20 (26 York Street)



Artery forceps (straight, small)

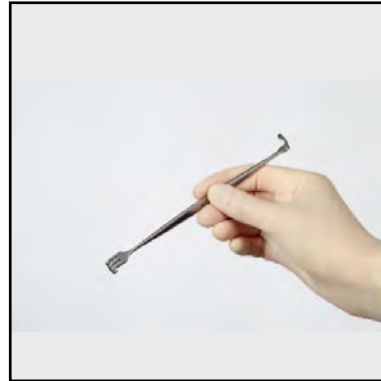
Quantity
28 (26 York Street)

Section 10: Surgical Instruments



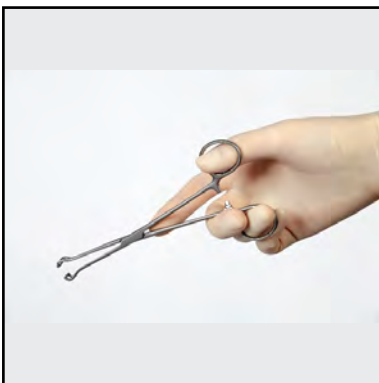
Balfour retractor

Quantity
5 (26 York Street)



Blair retractors

Quantity
32 (26 York Street)



Babcock forceps

Quantity
13 (26 York Street)



Curette

Quantity
21 (26 York Street)



Blade holder size 3

Quantity
24 (26 York Street)



Curved bulldog clamp

Quantity
30 (26 York Street)



Blade holder size 4

Quantity
8 (26 York Street)



Czerny retractors

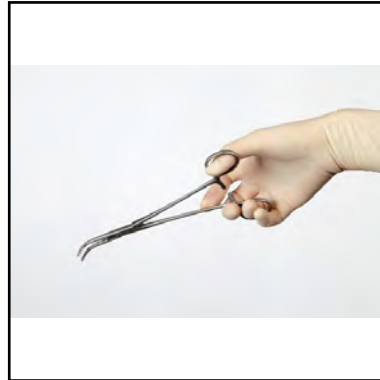
Quantity
2 (26 York Street)

Section 10: Surgical Instruments



Deaver retractors

Quantity
9 (26 York Street)



Forceps (right angled)

Quantity
14 (26 York Street)



Debaquey forceps

Quantity
30 (26 York Street)



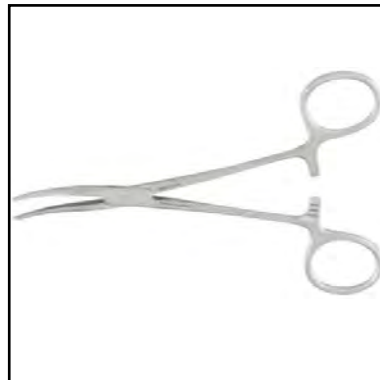
Gallipot

Quantity
20 (26 York Street)



Fianchetto Rib Retractor

Quantity
6 (26 York Street)



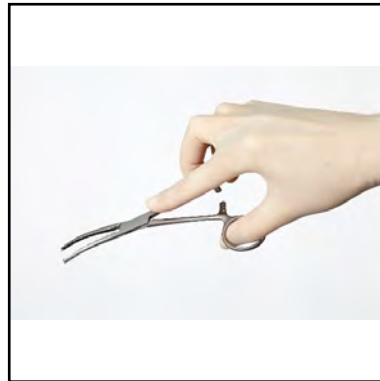
Kelly clamps

Quantity
34 (26 York Street)



Fine scissors

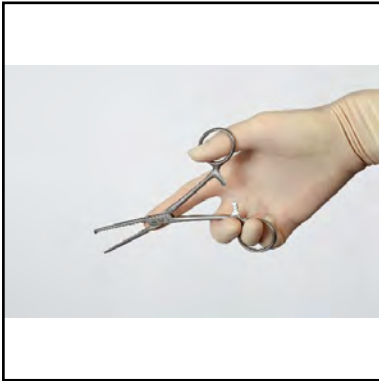
Quantity
100 (26 York Street)



Kocher forceps (curved)

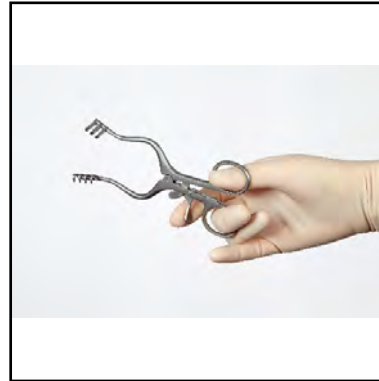
Quantity
10 (26 York Street)

Section 10: Surgical Instruments



Kocher forceps (straight)

Quantity
12 (26 York Street)



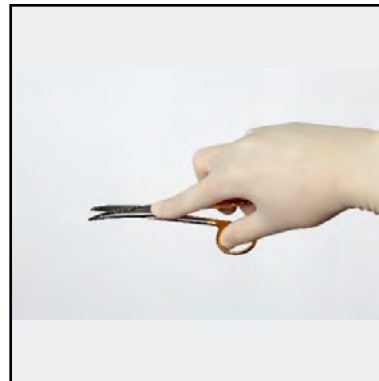
Mastoid self-retaining retractors (small)

Quantity
25 (26 York Street)



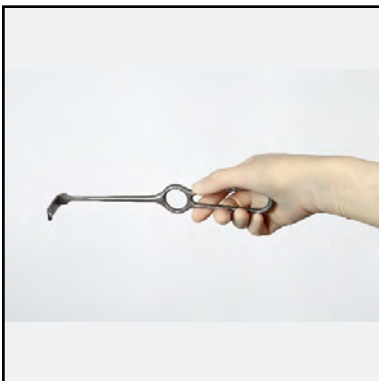
Lagenbeck retractor (large)

Quantity
24 (26 York Street)



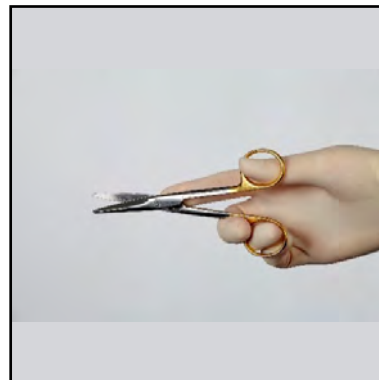
Mayo scissors (curved)

Quantity
26 (26 York Street)



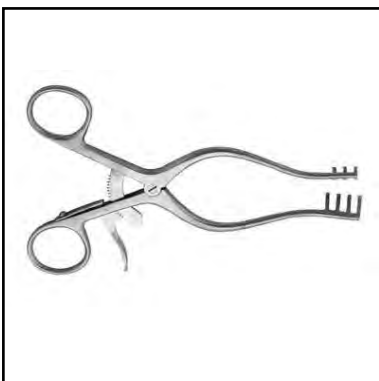
Langenbeck retractor (small)

Quantity
33 (26 York Street)



Mayo scissors (straight)

Quantity
44 (26 York Street)



Mastoid self-retaining retractors (large)

Quantity
12 (26 York Street)



Mikulicz retractor

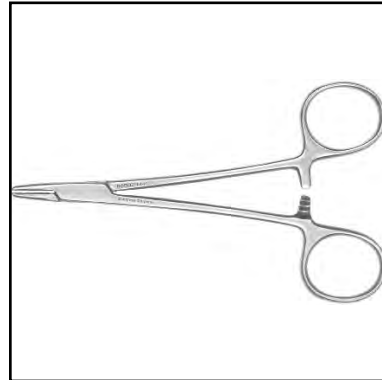
Quantity
2 (26 York Street)

Section 10: Surgical Instruments



Metzenbaum scissors (large)

Quantity
26 (26 York Street)



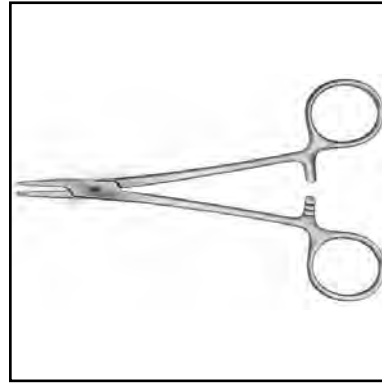
Needle holder (large)

Quantity
41 (26 York Street)



Metzenbaum scissors (medium)

Quantity
16 (26 York Street)



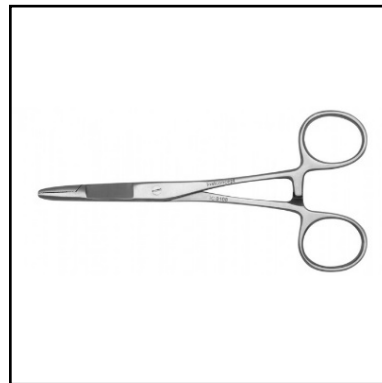
Needle holder (medium)

Quantity
32 (26 York Street)



23cm Needle holder (cardio)

Quantity
4 (26 York Street)



Needle holder (small)

Quantity
3 (26 York Street)



Needle holder (extra-large)

Quantity
11 (26 York Street)



Non-crushing bowel clamps (curved)

Quantity
18 (26 York Street)

Section 10: Surgical Instruments



Non-crushing bowel clamps (straight)

Quantity
15 (26 York Street)



Satinsky clamp

Quantity
5 (26 York Street)



Non-toothed forceps (large)

Quantity
40 (26 York Street)



Skin hook

Quantity
27 (26 York Street)



Potts scissors

Quantity
35 (26 York Street)



Sponge holding forceps

Quantity
12 (26 York Street)



Russian forceps

Quantity
13 (26 York Street)



Sternal Wire Twister

Quantity
6 (26 York Street)

Section 10: Surgical Instruments



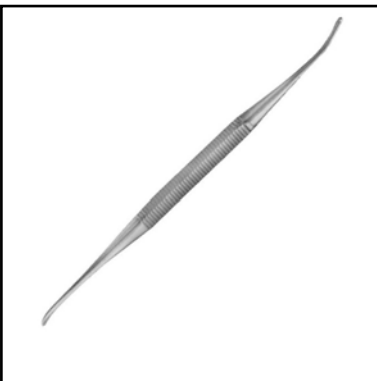
**Straight Debakey
bulldog clamp**

Quantity
4 (26 York Street)



**Toothed forceps
(large)**

Quantity
65 (26 York Street)



**Watson Cheyne
elevator**

Quantity
4 (26 York Street)

RCSI Royal College of Surgeons in Ireland
Coláiste Ríoga na Máinleá in Éirinn

Simulation Team
Royal College of Surgeons in Ireland
26 York Street, Dublin 2, Ireland
Tel: 01 402 5084
Email: simulation@rcsi.ie
www.rcsi.ie