

Mobile Skills Unit

EQUIPMENT GUIDE



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If you would like to request that additional equipment is added to the Mobile Skills Unit for your training programme, please contact Lynn Hardie the Mobile Skills Unit Senior Officer:

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Airway Management Model

A realistic simulator for practice in:

- Maintaining the airway
- Endotracheal intubation
- Elevating the submaxilla
- Using a laryngoscope
- The use of endotracheal tubes, laryngeal masks, EGTA, combi tubes and transnasal airways
- Removal of foreign objects in the airway with forceps and confirming respiratory sound
- Giving artificial respiration with bags
- Confirming dilation of stomach when air enters oesophagus
- Hearing respiratory sounds with a stethoscope



Location:

Airway Management Model	Cupboard 4B – Bottom Shelf
Kit for Airway Management Trainer	Cupboard 4B– Top Shelf

ALS Baby

The Laerdal ALS baby is a portable skills trainer for realistic infant resuscitation training. Laerdal ALS Baby manikin is a three-month-old infant with an anatomy that offers exceptional realism for individual training.

The Laerdal ALS baby offers the opportunity to practise advanced resuscitation skills, including airway management, professional rescuer CPR, vascular access, and 4 connectors, 3-lead ECG monitoring.

Product features:

- Realistic airway anatomy with tongue, oropharynx, epiglottis, larynx, vocal cords and trachea
- Practice of bag-valve-mask ventilation, oral and nasal intubation and use of LMA (Laryngeal Mask Airway)
- CPR can be performed
- 3-lead, 4 connectors ECG monitoring
- Intraosseous needle insertion with aspiration of bone marrow
- Sellick Manoeuvre can be performed



Location:

ALS Baby	Cupboard 14 – Middle Shelf
Leg replacement pads 50ml syringe	Cupboard 14 – Middle Shelf (in ALS Baby case) Cupboard 14 – Middle Shelf (in ALS Baby case)

Arterial Puncture Arm Simulator

- This realistic arm model is ideal for practising and demonstrating drawing arterial blood samples for monitoring blood gases
- Students can identify puncture locations through palpation of the pulse at either the radial or brachial sites
- Realistic arterial pressure produces a life-like backflow of blood in the syringe, confirming proper needle location in the artery



Location:

Arterial Puncture Arm 1	Cupboard 5A – Bottom Shelf
Kit for Arterial Puncture	Cupboard 5A – Top Shelf
Arterial Blood	Cupboard 5A – Bottom Shelf
Fluids Stands for blood	Cupboard 5B – Top Shelf

Baby Anne

Baby Anne manikin was developed to provide effective infant CPR training.

Product features:

- Oral and nasal passages allow realistic nose pinch required for mouth-to-nose ventilation
- Natural obstruction of the airway allows students to learn the important technique of opening the airway
- Head tilt/chin lift and jaw thrust allow students to practice correctly all maneuvers necessary when resuscitating a real patient
- Realistic chest compliance means students can experience the proper technique required for chest compressions on infants
- Foreign-body airway obstruction feature allows the release of a foreign-body obstruction to be practiced through back blows and chest-thrust techniques
- Economical disposable airways for quick and easy clean up
- Removable and reusable faces for convenient and affordable maintenance



Location:

Baby Anne Model	Cupboard 14 – Top Shelf
6 Spare Baby Anne lungs	Cupboard 14 – Top Shelf
10 foreign bodies for airway obstruction training	Cupboard 14 – Top Shelf

Chest Drain & Needle Decompression Trainer

Chest Drain & Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals. The trainer is also approved for use on ATLS V10 courses, with needle decompression possible at the 2nd, 4th and 5th intercostal spaces.

Deliver training in both surgical and guide-wire assisted thoracostomy and thoracentesis, chest drainage and needle decompression techniques. Chest tube insertion is possible on both types of pad, with the Advanced model's eco-lucent material allowing practice of Seldinger's ultrasound technique.



Location:

Chest Drain Manikin	Cupboard 6B - bottom Shelf
Kit for chest drains	Cupboard 6B - Top Shelf

Standard Catheterisation Trainer Set

The Standard Catheterization Trainer Set contains both Male and Female modules for catheterisation training. Interchangeable modules fit on the standard trainer base supplied, allowing for the practice of fundamental procedures, as well as more advanced skills of suprapubic management.

The clear sides of the male and female catheterisation modules give the trainer the ability to visualise and monitor the procedure. Allowing real time feedback to be given to the students and assess the students' progress.

Product Features:

- Correct handling of male and female anatomy
- Aseptic catheterization technique
- Withdrawal of catheter
- Urinary catheterization
- Fluid management
- Suprapubic catheter management on female anatomy



Location:

Standard Catheterisation Model	Cupboard 3A – Bottom Shelf
Kit for Catheterisation Model Foley catheters (size 16)	Cupboard 3A – Bottom Shelf

HeartStart HS1 Trainer

The HeartStart Trainer simulates how the HeartStart HS1 will operate during a real-life sudden cardiac arrest event. Clear confident voice instructions provide easy to follow directions. The HeartStart Trainer provides a variety of simulations, or training scenarios (8), to help responders acquire and demonstrate the basic skills necessary to use the HeartStart HS1 in an emergency.

The M5089A External Manikin Adaptor (Silver Strip) is provided with the HeartStart Trainer. It can be applied to any training manikin. Please see the “Instructions for Use” (page 7) for guidance on where to place the strip before applying training pads.



Location:

HeartStart HS1 Trainer	Cupboard 13 – Bottom Shelf
Internal Manikin Adapter (fitted to Little Anne model 1)	Cupboard 14 – Top Shelf
Spare Adult and Infant Training Pads	Cupboard 13 – Bottom Shelf (in HS1 case)

Laerdal AED Trainer 2

The Laerdal AED Trainer 2 is designed to prepare emergency responders to use the Heartstart FR2 AED. This Trainer provides a variety of simulations, or training scripts, to help responders become familiar with the AED and allow them to demonstrate the basic skills necessary to use the AED in an emergency.

Link to Instruction Manual:

<http://cdn.laerdal.com/downloads/f1712/AAQJAOIN/AED-Trainer2-DFU.pdf>



Location:

Laerdal AED Trainer 2	Cupboard 13 – Top Shelf
Battery Pack	Cupboard 13 – Top Shelf
Spare Adult Training Pads	Cupboard 13 – Top Shelf

Little Anne Q CPR manikin with Skill Guide

The Little Anne manikin is a realistic and lightweight adult CPR trainer with all the essential features for adult CPR learning.

Product features:

- Oral and nasal passages allow realistic nose pinch required for mouth-to-nose ventilation
- Natural obstruction of the airway allows students to learn the important technique of opening the airway
- Head tilt/chin lift and jaw thrust allow students to correctly practise all manoeuvres necessary when resuscitating a real victim
- Realistic airway function means that the airway remains obstructed without proper head tilt/chin lift or jaw thrust. Chest rise is seen with correct ventilations
- Anatomically correct landmarks and sternal notch allow the student to practice identification of all anatomical landmarks relevant to adult CPR
- Audible feedback reinforces correct compression depth. An optional “clicker” feature signals the correct compression depth
- Realistic chest compression resistance allows the students to experience the amount of pressure needed to perform proper chest compressions in a real-life situation
- Economical disposable airways for quick and easy clean-up
- Removable and reusable faces for convenient and affordable maintenance
- The SkillGuide for Q CPR manikins enhances the ability to Measure, Track, and Improve your CPR skills. Small, portable, and lightweight, it is compatible with Resusci Anne Q CPR, Little Anne Q CPR and Little Junior Q CPR.



Skill Guide

Location:

Little Anne Q CPR model 1	Cupboard 14 – Top Shelf
Little Anne model 2	Cupboard 14 – Top Shelf
Kit for Little Anne: 2 x faces 2 x airway	Cupboard 14 – Top Shelf

2 x virkon rapid pack 1 x Manikin lubricant	
Skill Guide	Cupboard 14 - Top Shelf

Little Junior QCPR manikin

The Little Junior manikin is a lifelike child CPR trainer, realistic anatomical landmarks provide the essential features necessary to teach quality appropriate CPR techniques.

Product Features:

- Oral and nasal passages allow realistic nose pinch required for mouth-to-nose and mouth-to-mouth ventilation
- Natural obstruction of the airway allows students to learn the important technique of opening the airway. Abdominal thrusts can also be practiced
- Head tilt/chin lift and jaw thrust allow students to correctly practice all maneuvers necessary when resuscitating a real victim
- Realistic airway function means that the airway remains obstructed without proper head tilt/chin lift or jaw thrust. Chest rise is seen with correct ventilations
- Anatomically correct landmarks and sternal notch allow the student to practice identification of all anatomical landmarks relevant to child CPR
- Audible feedback for chest compressions reinforces correct compression depth with an optional “clicker” feature
- Realistic chest compression resistance allows the students to experience the amount of pressure needed to perform proper chest compressions in a real-life situation
- Economical disposable airways for quick and easy clean-up
- Removable and reusable faces for convenient and affordable maintenance
- The SkillGuide for QCPR manikins enhances the ability to Measure, Track, and Improve your CPR skills. Small, portable, and lightweight, it is compatible with Resusci Anne QCPR, Little Anne QCPR and Little Junior QCPR.



Skill Guide

Location:

Little Junior QCPR model	Cupboard 14 – Top Shelf
Skill Guide	Cupboard 14 – Top Shelf

MamaBirthie

MamaBirthie trainer enables the training of essential birthing manoeuvres. Improves perinatal outcomes for vaginal births.

MamaBirthie anatomy provides realistic birth canal and pelvic floor to facilitate natural rotation of head as it descends. Pelvis with palpable landmarks.

BabyBirthie anatomy has anatomical landmarks to identify presentation of baby. Realistic neck articulation, palpable fontanelles and simulation of chignon effect.

Enable realistic practice for skills such as:

- Abdominal and vaginal examinations
- Normal birth
- Shoulder dystocia
- Vaginal breech
- Abdominal suturing (i.e. B-Lynch suture for postpartum haemorrhage)
- Identification of abdominal tissue

MamaBirthie is operable as a tabletop task trainer, wearable with a standardised patient, or used with a manikin. The quick and easy setup facilitates operation with minimal training to improve learner engagement and effectiveness.



Location:

MamaBirthie Trainer	Cupboard 10B – Bottom Shelf
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Mini Anne Plus

The Mini Anne Plus set is a cost-effective solution for teaching quality CPR using durable and reusable manikins. Ten individual manikins are included in each set, increasing student hands-on time during training. The innovative new pump bag provides a simple, hygienic inflation method. Mini Anne Plus includes everything to get your CPR program up and running in one convenient bag.

Product Features:

- Class set of manikins increases student hands on time for CPR skills practise
- Adjustable clicker settings gives feedback on compressions to Guidelines 2010 recommendations and provides encouragement to new learners
- One way valve for hygienic two-rescuer ventilation training
- Unique inflation method doubles as storage bag for safe keeping of each manikin between classes
- Convenient carry bag includes manikin and consumables designed to reduce set up time between classes
- Reusable class set makes layperson CPR training more cost effective



Location:

Mini Anne Plus	Cupboard 3B
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Multivenous Arm IV Training Kit

Lifelike arm reproduction with multi-vein system designed for peripheral intravenous therapy.



Location:

Multivenous Arm 1	Cupboard 5A – Bottom Shelf
Multivenous Arm 2	Cupboard 5A – Middle Shelf
Kit for Laerdal Arms	Cupboard 5A – Top Shelf
Kit for IV Cannulation & Venepuncture	Cupboard 5A – Top Shelf
Fluid Stands	Cupboard 5B – Top Shelf
Blood	Cupboard 5A – Middle Shelf

New-born Intubation Model

- Lifelike model for practice of basic treatment of neonatal babies such as:
- Use of laryngoscope
- Practise use of intubation tubes and laryngeal masks
- Securing airways with intubation
- Heart massage
- Correct/incorrect intubation which can be confirmed visually by either chest movement or abdominal movement
- Artificial respiration with bags



Location:

New-born Intubation Model	Cupboard 14 – Middle Shelf
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Paediatric Intraosseous Infusion & Femoral Access Leg

- Ideal for teaching intraosseous infusion techniques:
 - Palpable landmarks including patella, tibia and tibial tuberosity
 - Replaceable bones and skin
 - Pressurised system to allow aspiration of fluid
- Ideal for teaching femoral access:
 - Palpable arterial pulse
 - Realistic flashback from pressurised venous system
 - Replaceable injection pad
 - An articulated leg that requires proper positioning



Location:

Paediatric Intraosseous Infusion & Femoral Access Leg	Cupboard 6A – Bottom Shelf
Spares for IO leg	Cupboard 6A – Middle Shelf
Kit for IO Infusion and femoral injection EZIO Driver	Cupboard 6A – Middle Shelf

Pelvis birth model

Two life-size models, chosen to demonstrate birth. Consists of a plastic female pelvis.



Location:

Pelvis birth model	Cupboard 10B – Top Shelf
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Pelvis OB manikin

(Forceps/Vacuum Delivery OB Manikin)

This is the manikin used in “Advanced Life Support in Obstetrics” (ALSO) training programs. The anatomical features are realistic and accurate with added features of premature and full term fetuses. The soft vinyl pelvis replicates the resistance encountered in a delivery requiring forceps or vacuum intervention. There is a removable abdominal overlay provided with this manikin and the overlays are interchangeable, and optional.



Location:

Forceps/Vacuum Delivery OB Manikin	Cupboard 10B – Bottom Shelf
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Resus Baby

The Resus Baby manikin offers realism and quality to infant CPR education. Its full-body construction and use of the optional Skill Guide performance indicator enable students to quickly sharpen their skills in performing infant CPR to high standards.

Product features:

- Natural obstruction of the airway allows students to learn the important technique of opening the airway so that in a real-life situation they know how to effectively administer air to the patient
- Head tilt/chin lift and jaw thrust allows students to correctly practise airway manoeuvres necessary when resuscitating a real patient
- Occluded airway with hyperextension highlights correct head position
- Realistic chest rise verifies correct ventilations
- Realistic resistance for chest compression allows the students to experience the amount of pressure needed to perform proper chest compressions in a real-life situation
- Anatomically correct landmarks and sternal notch allow the student to practise identification of all anatomical landmarks relevant to infant CPR
- Articulating arms, legs and head allow realistic weight and handling of an infant during obstructed airway manoeuvres
- Brachial pulse simulation to realistically check for pulse
- Disposable non-rebreathing airways are suitable for use by more than one student during class and are quick and easy to change after each training session



Location:

Resus Baby	Cupboard 14 – Middle Shelf
Kit for Resus Baby: 2 x faces 1 x airway 1 x virkon rapid pack	Cupboard 14 – Middle Shelf

Resusci Anne QCPR Manikin with AED and Airway Head

Resusci Anne QCPR Manikin with AED and airway head is an adult CPR training manikin designed to measure and assess CPR performance. This manikin is used with the SkillGuide which provides real time feedback and single session debriefing. It is compatible with the Laerdal AED Trainer 2 (Cupboard 3 – Top Shelf).

Product Features:

- Realistic anatomy including head tilt, chin lift, compression depth, compression force and chest rise.
- Sensor indicates correct hand placement.
- Ventilation system provides appropriate chest rise with BMV (Bag Valve Mask) and MTM (Mouth to Mouth).
- Enhanced measurement and feedback capabilities.
- Wired connectivity with SkillGuide.
- Guidelines compliant.
- Simulate different chest stiffness's - 2 extra springs supplied, hard (approx. 60kg) and soft (approx. 30kg), with medium spring (approx. 45kg) at guidelines depth installed at shipping.



Location:

Resusci Anne QCPR Manikin	Cupboard 14 – Bottom Shelf
SkillGuide	Inside manikin's suitcase
Accessories	Cupboard 14 – Bottom Shelf

Shoulder for Joint Injection – Palpation Guided

For practising soft tissue joint injection used for the treatment of injuries and arthritis and for intramuscular injections

- Practice multiple approaches to specific sites
- Patient positioning and management
- Identification of anatomical landmarks using palpation guidance
- Rotation of the shoulder to locate head of the humerus
- 4 common injection sites:
 - Acromioclavicular joint
 - Glenohumeral joint
 - Bicipital groove
 - Subacromial space

This palpation guided shoulder injection trainer comes with an Android Tablet and a preinstalled app for use during training.



Location:

Shoulder for Joint Injection	Cupboard 5B – Bottom Shelf
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SimBaby

SimBaby is a tetherless simulator designed to help healthcare providers effectively recognise and respond to critically ill paediatric patients. The SimBaby simulator represents a 9-month-old paediatric patient and provides a highly realistic manikin that meets specific learning objectives focusing on initial assessment and treatment.



Product features:

Airway Features

- Anatomically accurate, realistic airway
- Bag-Valve-Mask ventilation
- Intubation (Orotracheal and nasotracheal, Fiberoptic, Right mainstem)
- Insertion (LMA, Endotracheal tube, Gastric Tube)
- Sellick Manoeuvre
- Variable lung compliance and airway resistance
- Tongue edema
- Laryngospasm
- Pharyngeal swelling (partial and complete)
- Stomach distention

Breathing Features

- Spontaneous breathing with variable rate, depth and regularity
- Bilateral and unilateral chest rise and fall
- Normal and abnormal breath sounds
- Oxygen saturation on simulated Patient Monitor
- Breathing pattern (normal, retraction, see-saw)
- Pneumothorax
- Unilateral thoracentesis midclavicular
- Unilateral chest tube insertion midaxillary

Cardiovascular Features

- ECG monitoring and library
- QCPR
- Blood pressure (BP)
- Pulse strength variable with BP
- Pulses (bilateral brachial and bilateral femoral)
- Live defibrillation using ShockLink

Vascular Features

- Unilateral IV access antecubital fossae, dorsum of the hand
- Bilateral IV access long saphenous vein
- Bilateral tibial IO insertion
- IV bolus and infusion administration

Other Features

- Eyes - open, closed, and 50%
- Normal, blown and constricted pupils
- Capillary refill (Left palm, proximal sternum)
- Fontanelle (normal or bulging)
- Seizure - head, eyes and arms
- Sounds - vocal, lung, heart
- Liver palpation
- Cyanosis
- Arm movement and tone

Location:

SimBaby manikin and accessories	Cupboard 14 – Bottom Shelf
Instructor PC (Laptop)	Control Room
Spare Patient Monitor (Tablet)	Cupboard 11B
Patient Monitor	Cupboard 14 – Bottom Shelf

SimJunior

Providing medical care to a child can test your skills and abilities. Medical professionals need the same level of confidence and experience in treating children that they have for treating adults

SimJunior is designed to be easily integrated into all paediatric training programs. The SimJunior scalable format allows instructors to tailor the training to their needs. SimJunior has been developed to be durable and reliable - giving you the ability to train where you practice medicine - in real environments with real results. Proven software, modeled from the ALS Simulator, allows flexible management of all patient parameters. Using the scenario editor, instructors can create basic to advanced scenarios and the use of Trends and Handlers enables multiple physiological changes in the simulation. Pre-programmed scenarios provide standardized training while customizable scenarios and real-time instructor control allows adaptation to meet individual student's needs.

Product features:

- Airway is anatomically modeled as far as the trachea.
- Use your clinical equipment such as ECG-monitoring and real life defibrillators.
- BP measured manually by auscultation of Korotkoff sounds
- Chest compressions - compliant with 2010 Guidelines
- CPR compressions generate palpable pulses, blood pressure wave form, and ECG artifacts.
- IV access (right arm and hand).
- Intraosseous access (right tibia)



Location:

SimJunior manikin	Cupboard 14 – Bottom Shelf
SimLink (SimJunior's Link Box)	Cupboard 14 - Bottom Shelf
Instructor PC (Laptop)	Control Room
Patient Monitor (Tablet) & cable	Cupboard 8 – Top Shelf
Instructor PC (Tablet) & cable	Cupboard 11B – Top Shelf
Accessories for SimJunior	Cupboard 14 – Bottom Shelf
Patient Monitor	Cupboard 14 – Bottom Shelf

SimMan 3G Plus

A realistic, full-body adult, patient simulator, SimMan 3G Plus offers comprehensive clinical functionality to teach the core skills of airway, breathing, cardiac and circulation management.



Product features:

Multiple airway skills/features	<ul style="list-style-type: none"> • Controllable open/closed airway; automatically or manually controlled • Head tilt/Chin lift • Jaw thrust w/articulated jaw • Suctioning (Oral & Nasopharyngeal) • Bag-mask ventilation • Orotracheal intubation • Nasotracheal intubation • Combitube, LMA, and other airway placement • Endotracheal tube intubation • Retrograde intubation • Fiberoptic intubation • Transtracheal jet ventilation • Needle cricothyrotomy • Surgical cricothyrotomy • Variable lung compliance (4 settings) • Variable airway resistance (4 settings) • Right main stem intubation • Stomach distention
Airway complications	<ul style="list-style-type: none"> • Detection of proper head position • Can't intubate/Can ventilate • Can't intubate/Can't ventilate • Tongue edema • Pharyngeal swelling • Laryngospasm • Decreased cervical range of motion • Trismus
Breathing features	<ul style="list-style-type: none"> • Simulated spontaneous breathing • Bilateral and unilateral chest rise and fall • CO2 exhalation

	<ul style="list-style-type: none"> • Normal and abnormal breath sounds (5 anterior auscultation sites, 6 posterior auscultation sites) • Oxygen saturation and waveform
Breathing Complications	<ul style="list-style-type: none"> • Cyanosis • Needle thoracentesis - bi-lateral • Unilateral & Bilateral chest movement • Unilateral, Bilateral & lobar breath sounds • Chest tube insertion - bilateral
Cardiac features	<ul style="list-style-type: none"> • Extensive ECG library • Heart sounds - four anterior locations • ECG rhythm monitoring (4 wire) • 12 lead ECG display • Defibrillation and cardioversion • Pacing
Circulation Features	<ul style="list-style-type: none"> • Oscillometric BP measurement • Carotid, femoral, brachial, radial, dorsalis pedis, popliteal and posterior tibialis pulses synchronized with ECG • Pulse strength variable with BP • Pulse Palpation is detected & logged
Vascular access	<ul style="list-style-type: none"> • Bilateral IV access • Bilateral humeral IO access • Intraosseous access (tibia) • Bilateral deltoid IM
CPR	<ul style="list-style-type: none"> • Compliant with 2020 Guidelines • CPR compressions generate palpable pulses, blood pressure wave form, and ECG artefacts • Realistic compression depth and resistance • Detection of depth, release and frequency of compressions • Real time feedback on quality of CPR
Eyes	<ul style="list-style-type: none"> • Blinking eyes • Eyes open, closed and partially open • Eye inserts, manually change pupils
Pharmacology	<ul style="list-style-type: none"> • Manual drug recognition • Extensive formulary
Other features	<ul style="list-style-type: none"> • Seizure/Fasciculation • Bleeding <ul style="list-style-type: none"> • Simulation of bleeding at multiple sites • Arterial and venous • Vital signs automatically respond to blood loss & therapy • Works with various wound modules & moulage kits • Urine output (variable) • Foley catheterization

	<ul style="list-style-type: none"> • Secretions <ul style="list-style-type: none"> • Eyes, Ears • Blood, Mucous, CSF, etc. • Diaphoresis • Bowel Sounds - four quadrants • Patient Voice <ul style="list-style-type: none"> • Pre-recorded sounds • Custom sounds • Instructor can simulate patient's voice wirelessly • Instructor Communication <ul style="list-style-type: none"> • Multiple instructors communicate using integrated voice over IP • Articulating arms • SpO2 measurement bilateral
Patient Monitor	<ul style="list-style-type: none"> • Wireless • Highly configurable • X-Ray Display • 12 Lead ECG Display • Custom Image Display • Custom Video Display • Oxygen saturation and waveform

Location:

SimMan 3G Plus manikin	Cupboard 14 - Trolley
Instructor PC (Laptop)	Control Room
Patient Monitor (Tablet) & cable	Cupboard 14 – Bottom Shelf
Spare Instructor Tablet & cable (wifi use only)	Cupboard 11B – Top Shelf
Power Cable & Accessories for SimMan	Cupboard 14 – Beside Trolley

SimNewB

SimNewB has been designed to meet the training requirements of neonatal emergency medicine and resuscitation courses. With realistic newborn traits and lifelike clinical feedback, SimNewB is ideal for training for the specific needs of neonates.



Product features:

Airway Features	<ul style="list-style-type: none"> • Anatomically Accurate, Realistic Airway • ET Tube Insertion • LMA Insertion • Sellick Manoeuvre • Positive-Pressure Ventilation • Right Mainstem Intubation • Suctioning • Variable Lung Resistance • Gastric Tube Insertion
Breathing Features	<ul style="list-style-type: none"> • Spontaneous breathing, with variable rate • Bilateral and unilateral chest rise and fall with mechanical ventilation • CO2 exhalation • Normal and abnormal breath sounds • Oxygen saturation
Breathing Complications	<ul style="list-style-type: none"> • Pneumothorax • Unilateral chest movement with mechanical ventilation • Unilateral breath sounds • Unilateral needle thoracentesis, mid-axillary
Cardiac	<ul style="list-style-type: none"> • Extensive ECG Library with rates from 10 - 300 bpm • ECG monitoring via 3-lead monitor
Vascular Access	<ul style="list-style-type: none"> • Patent, cuttable umbilicus with venous and arterial access for bolus or infusion • Simulated blood flashback upon cannulation
Circulation	<ul style="list-style-type: none"> • Heart Sounds • Umbilical and Brachial Pulse

	<ul style="list-style-type: none"> • Blood Pressure measured manually by auscultation of Korotkoff sounds
Sounds	<ul style="list-style-type: none"> • Vocal: Grunt breathing, crying, hiccups and others • Lung: Normal, stridor, pneumonia and others • Heart: Normal, diastolic murmur, systolic murmur and others
Additional Features	<ul style="list-style-type: none"> • Interchangeable pupils with normal, blown and constricted pupils • Movement in all four limbs: limp, tone, spontaneous motion and seizure

Location:

SimNewB manikin	Cupboard 14 – Middle Shelf
SimLink (SimNewB's Link Box)	Cupboard 14 - Bottom Shelf
Instructor PC (Laptop)	Control Room
Patient Monitor (Tablet) & cable	Cupboard 14 – Bottom Shelf
Spare Instructor PC (Tablet) & cable (WiFi Only)	Cupboard 11B – Bottom Shelf
Accessories for SimNewB	Cupboard 14 – Middle Shelf

Sounds Tutor (Sounds and Arrhythmias)

- Reproduces digitally stored heart sounds, murmurs and breath sounds
- These sounds are heard with stethoscopes from sounders, either the two mounted in the top or from other sounders, with up to 50 connected at the rear panel jacks
- When listening, it is important to recognise the timing of systole and diastole
- Menu items that are selected from the 16 plug-in modules have their number digitally displayed adjacent to the keyboard
- Arrhythmia menus may be also displayed on patient monitors
- Comes with two built-in sounders plus two extra sounders
- Modules onboard the unit are as follows;
 - Module 1 – Basic Heart Sounds
 - Module 2 – Basic Murmurs
 - Module 3 – Breath Sounds



Location:

Sounds Tutor	Cupboard 3B – Top Shelf
Modules for Sounds Tutor (in box)	Cupboard 3B – Top Shelf

Suture Tutor Plus Hands-on Kits

The Hands-on Kit contains the essentials for practicing suturing, knot tying, instrument handling and incision of skin.

Product Features:

- Skin pad jig presents the skin pad on a curved, life-like profile allowing incisions to 'gape', as in real life
- Advanced 3 layer skin pad gives realistic tissue response and is suitable for practicing a wide range of suturing techniques
- Realistic tissue response and soft skin with a similar drag and strength to human skin
- All layers have realistic retention of sutures
- Allows for repeated practice of techniques
- Skin Pad latex free
- Sucker feet on the skin pad jig provide a stable, non-slip environment for practice when used on smooth work surfaces
- Sutures and instruments are NON-STERILE and FOR PRACTICE ONLY

SKILLS GAINED

- Instrument handling
- Planning and performing a skin incision
- Tying safe and secure knots
- Suturing techniques - interrupted, continuous, subcuticular, vertical and horizontal mattress
- Suture removal

Instruments included:

- Skin pad jig
- Single professional skin pad
- 1 Basic knot-tying kit
- 1 Pack of 10 sutures
- Scalpel
- Dissecting forceps
- Scissors
- Needle holder



Location:

10 x Suture Kits	Cupboard 6A - Top Shelf
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Ventrogluteal Intramuscular Injection Model

This Lifelike model is for intramuscular injection practice and by using stand supplied, trainees can practice injection in the lateral position

- Bony structure provides anatomical landmarks
- Needle insertion feeling is very lifelike, reducing the anxiety the student tends to have in actual practice
- Alarm sounds if wrong site is injected
- Injected solution is excreted through a drainage tube
- Injection sites and skin can be easily replaced



Location:

Ventrogluteal Intramuscular Injection Model	Cupboard 9B - Bottom Shelf
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Additional Equipment Available on Request

The following equipment is available on request. If you would like to request this equipment is added to the Mobile Skills Unit for your training programme, please contact Lynn Hardie the Mobile Skills Unit Senior Officer:

Tel: 01382 932795

Mobile: 07795 496083

Email: lynn.hardie@nhs.scot or csmen@nes.scot.nhs.uk

Intramuscular Injection Simulator

Three types of intramuscular injections may be practiced:

- Gluteus medius
- Ventrogluteal
- Vastus lateralis

Product features:

- A simulated bony structure is embedded in the torso and represents the superior end of the femur or greater trochanter, the posterior superior and anterior superior iliac spines and the sacrum
- The bony structure provides palpable anatomical landmarks so the student can identify proper injection sites
- A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to observe the underlying structures
- The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown



Ear Syringe Model

The flexible pinna allows manipulation. Head is waterproof and angled correctly

- Anatomically correct meatus with an embedded endoscopic photograph of a normal tympanic membrane showing the handle of the malleus as a landmark



Propulse NG Ear Irrigator



Lumbar Puncture

This simulator is designed to teach the lumbar puncture and epidural procedures, allowing hands-on training without the need for direct patient contact

- Epidural procedure can be practiced
- Variations of puncture pads: adult normal, adult obese, elderly, elderly obese and epidural
- 3 different support bases for lateral and sitting positions, and team teaching
- Patient position management
- Skin preparation can be practiced
- Palpation of pelvic landmarks
- Palpation of lumbar spinous process
- Needle positioning and insertion
- Collection of cerebrospinal fluid (CSF)
- CSF pressure measurement
- Epidural



Interactive ECG Simulator

- The simulator combines defibrillator and external pacer training features with adult and paediatric ECG rhythms, for use with Adult or Child Crisis Manikins
- Simulate electrical capture with an external pacer. Attach pacer to manikin and initiate pacing. When pacer current is set to 70mA or more, paced beats appear on monitor
- Waveforms available for pacer training include:
 - Sinus Brady
 - Junctional Brady
 - 2nd degree type I A-V block
 - 2nd degree type II A-V block
 - 2nd degree type II A-V block with PVCs
 - 3rd degree A-V block
- Simulate cardio version with a manual, semi-automatic, or automatic defibrillator
- Activate convert feature to select (before defib discharge) another rhythm to run immediately after defib discharge
- Waveforms available for defibrillator training include:
 - V. Fib
 - V. Tach (fast)
 - V. Tach (slow)
 - V. Tach (polymorphic)
 - Fib
 - Flutter
 - SVT
 - Sinus Tach
 - Sinus rhythm with PVCs
 - Asystole
 - NSR
- Use one simulator to generate both adult and paediatric rhythms. With adult mode selected, all 17 waveform keys generate adult rhythms. With paediatric mode selected, all 17 waveform keys generate paediatric rhythms Press key marked 'age group' to toggle between adult and paediatric modes
- With 'age group' feature a total of 34 rhythms are available
- Generate realistic 3- or 4-lead ECG rhythms. The RA, LA, and LL signal morphologies create accurate representations of the QRS, P and T axes
- Practise operating a defibrillator/external pacer without a manikin. Connect defibrillator/pacer to simulator using pad adaptors. Built-in circuitry allows you to defibrillate and to pace directly into simulator, and to observe ECG rhythms through the PADS connector
- LED indicators illuminate for:
 - Pacer pulse detection
 - Defib discharge detection
 - Adult age group
 - Paediatric age group
 - Low battery



Brad CPR Training Manikin

CPR training manikin with features:

- Snap-on airway-lung unit
- Improved head tilt capability
- Well defined landmarks
- Realistic choking simulation
- Realistic appearance
- Resistance to chest compression
- A sturdy soft-feel body
- Chest overlay that can quickly be removed for easy lung replacement



Male Rectal Examination - Advanced

The Advanced Male Rectal Examination Trainer offers realistic and repeatable training in the core skills of digital rectal and PR examinations. It is also suitable for training in the identification of abnormal and pathological conditions.



Clinical Female Pelvic Trainer MK3 - Advanced



The Clinical Female Pelvic Trainer is a realistic trainer it's anatomically accurate and tactile representation of the female pelvis is the ideal platform for hands-on examination, and diagnosis of conditions and minor pathologies. It's suitable for use in many levels of training, from family health and primary care, to undergraduate and beyond.

When using the standard setup in simulations, trainees are able to practice basic examination skills such as:

- Identification of perineal and pelvic anatomy, including bony landmarks
- Digital vaginal examination
- Bi-manual examination, palpation of the abdomen while performing a digital vaginal examination
- Cervical smear testing using a speculum
- Digital rectal examination
- Identification of cervical pathologies and pregnant cervix

Breast Examination Trainer – Standard



The Breast Examination Trainer provides a realistic learning platform for both bench top and simulated patient learning.

This breast examination simulator offers a range of pathologies and set-up options, allowing trainees to acquire the fundamental skills to perform clinical and breast self examinations.