Anatomical Models & Task Trainers

2012-2013

www.laerdal.com
Educating and improving the competency of healthcare providers demands a wide range of the highest quality training tools that meet the most varied training requirements. From physicians and nurses to EMS professionals and military medical personnel, Laerdal's Healthcare Education Portfolio includes products and services to meet the needs of educators in a broad range of clinical domains.
Building Competence

Realistic and practical training is the keystone to building competence in nurse education. A growing international culture and awareness of 'Patient Safety' that considers it compromising for newly qualified healthcare personnel and students to manage clinical events for the first time on a patient, has influenced the growth of simulation as a means to bridge the gap between theory, practice and experience.

Both educators and students are embracing simulation as a means of effective preparation for patient care. In a controlled simulated environment, learners can make and correct their clinical errors without adverse consequences. Students enjoy the innovative learning experiences of simulation, and not only gain competence in the given task but confidence and readiness for the real patient care setting.

The 'Circle of Learning' concept encompasses five 'learning styles', which when applied in proper rotation, provide a step by step process to achieve competence in the given task. Throughout the pages of this brochure you will find all our training solutions are compatible to this learning approach.

Please visit www.laerdal.com for more information
Laerdal Anatomical Models and Task Trainers

Skeletons

**Skele-Torso**

Skeleton disarticulates into seven pieces - One side of skeleton hand-painted and lettered to show muscle origins and insertions - Deluxe medical skull and vertebral column - Deluxe brachial plexus, elbow and hand/wrist - Deluxe male pelvis hinged and sagittally sectioned so that right hip swings 45° - Deluxe hip, knee and foot/ankle - Left hip disarticulates with ball and socket joint - Organs easily removed for individual study - Includes deluxe stand, zippered vinyl dust cover, and anatomy study guide

£6,600.00

**Deluxe Skeleton**

( organs not included)

Disarticulates into twelve pieces - Hang-up mounting - Articulated with stainless steel wire - Includes deluxe stand

£796.00

**Deluxe Skeleton**

Reproduction painted and labeled (organs not included) Skeleton disarticulates into twelve pieces - Right side of skeleton hand-painted and lettered to show muscle origins and insertions - Skull features removable calvarium cap for neurocranial studies - Skull features break-away maxilla revealing paranasal sinuses supported by spring-mounted detachable mandible - Bones of one hand and one foot on opposite sides articulated with springs for joint flexibility - Hang-up mounting - Articulated with stainless steel wire - Includes deluxe stand

£1,400.00

Prices exclude VAT
Deluxe Biology Skeleton

Skeleton disarticulates into twelve pieces - Right side of skeleton hand-painted and lettered to show muscle origins and insertions - Skull features removable calvarium cap for neurocranial studies - Skull features breakaway maxilla revealing paranasal sinuses supported by spring-mounted detachable mandible - Bones of one hand and one foot on opposite sides articulated with springs for joint flexibility - Both hips disarticulate with ball and socket joint - Deluxe male pelvis hinged and sagittally sectioned so that right hip swings out 45°. Organs removable for specialized study include: Two-part brain, Lobar lung, Heart (coronally sectioned), Small intestine, Colon and mesentery, Stomach (coronally sectioned), Pancreas, Liver, Kidney (one kidney coronally sectioned), Spleen - Hang-up mounting - Articulated with stainless steel wire - Includes deluxe stand

£2,355.00

Orthopedic Skeleton

Skeleton disarticulates into nine pieces - One side of skeleton hand-painted and lettered to show muscle origins and insertions - Skull features removable calvarium cap for neurocranial studies - Skull features breakaway maxilla-revealing paranasal sinuses supported by spring-mounted detachable mandible - Bones of one hand and one foot on opposite sides articulated with springs for joint flexibility - Left hip disarticulates with ball and socket joint - Deluxe vertebral column - Deluxe brachial plexus, elbow and hand/wrist - Deluxe hip, knee and foot/ankle - Hang-up mounting - Articulated with stainless steel wire - Includes deluxe stand and anatomy study guide

£1,745.00

Complete Disarticulated Skeleton

Complete set of individual bones making up the human skeleton - Bones may be separated for identification and individual study - Bones have similar consistency, density, and radiopaque qualities as natural bone - Skull with both styloids, suture lines, full anatomical detail inside and out, calvarium cut, and hinged mandible - Vertebral column articulated with nylon cord - Both hands and feet articulated with nylon - Complete set of ribs, sternum, and all other bones - Includes carry case

£975.00
### Anatomical Models

**Deluxe Leg**
- Bones of foot, tibia, fibula, femur, coccyx, sacrum and innominate articulated
- Depicts all major muscles and nerves of hip, knee and foot
- Hip articulation shown with a capsule - removable femur
- "Bucket Handle" tear depicted on knee
- Key code plate mounted on model
- Stand included

£1,210.00

**Deluxe Arm**
- Bones of hand articulated to radius - ulna, humerus, scapula and clavicle
- Depicts all major muscles, nerves and arteries of shoulder, elbow and hand
- Key code plate mounted on model
- Stand included

£1,200.00

**Deluxe Foot/Ankle**
- Bones of foot and ankle articulated to distal half of tibia and fibula
- Depicts all major muscles, nerves, arteries and tendons of the foot and ankle
- Stand included

£224.00

**Sports Shoulder**
- Clavicle, scapula and proximal half of humerus articulated to show normal movement
- Depicts subscapularis, supraspinatus, long head bicep, glenoid labrum and rotator cuff
- Stand included

£410.00

**Deluxe Hand/Wrist Reproduction**
- Articulated bones of hand and wrist
- Interosseous muscles depicted
- Shows median, ulnar and radial nerve
- Tendons, ligaments and arteries simulated
- Transverse ligament can be cut to show carpal tunnel syndrome
- Stand included

£447.50

**Painted Skull Reproduction**
- Cast from natural bone specimen
- Skull with both styloids
- Detailed suture lines, fissures and fossae
- Removable calvarium cap for neurocranial studies
- Window into frontal sinuses
- Breakaway maxilla revealing paranasal sinuses
- Hinged mandible highlights perfect dentition
- Each bone painted a different color for easy identification
- Names of bones hand-lettered
- Stand included

£426.50

**Deluxe Knee**
- Reproduction of human knee depicting all major muscles of knee featuring
- Cruciate and collateral ligaments simulated with triple springs and simulated patellar tendon

£437.00

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*Prices exclude VAT*
EP Heart

Two times life-size - Sixty coded structures - All four chambers open for internal viewing - Allows for lead placement in right atrial appendage, right ventricle, orifice of coronary sinus, through ASD/patent ovale and positioned in the left ventricle - Allows for multi-polar E.P. lead to be positioned in the orifice of the coronary sinus - ASD allows appropriate level to be placed across interatrial septum when lead is advanced through Inferior Vena Cava - Brachiocephalic (Innominate Vein) - Hollow structures: Superior Vena Cava - Ascending / Descending Aorta - Aortic Valve - Inferior Vena Cava - Orifice of Coronary Sinus - Atrial Septal Defect - Rotates on removable stand

£525.50

Dani Smith Heart Model

Two times life-size - Sixty coded structures - All four chambers open for internal viewing

£270.85

Don Jake Saunders Heart

Three-times life-size heart reproduction - 108 coded structures - All four chambers open for simultaneous viewing - Height: 17 inches tall - Comprehensive study guide included - Rotates on removable stand

£509.50

ECG Heart

Life-size anatomical reproduction with superior anatomy Plexiglas™ overlay of electro-cardiographic surface references ECG leads around axis of heart - Excellent for teaching how 12 lead ECG is used to diagnose patients with myocardial infarction - Instructor Guide - Ten pocket-size, wear resistant student guides - Test and assessment material - Permanently mounted on stand

£230.55

Segmented Lung Reproduction

Cast from actual human lungs - 18 coded segments held together elastically - Easy viewing of internal structures - Detailed bronchial tree - Detailed alveoli - Bronchioles - Stand included

£495.00
Neonatal Task Trainers

**Baby Umbi**
Female newborn infant reproduction designed for the practice of umbilical catheterization - Retractable umbilical cord for actual catheterization - Two arteries and vein molded into umbilical cord for low UAC, high UAC, umbilical vein catheter - Securing and dressing procedures may be practiced
£356.00

**Baby Stap**
Reproduction of a neonatal infant positioned for the practice of lumbar puncture techniques - Lateral decubitus position - Upright position - Realistic interchangeable spine with spinal cord may be palpated for location of correct puncture site - Fluid may be infused
£218.50

**Baby Arti**
Lifelike reproduction of infant arm with bony structures allows students to master the technique of neonatal radial artery puncture - Mounted on a base - Percutaneous puncture site in radial artery - Mechanical radial artery pulse generator provides realistic arterial pressure - Simulated blood may be infused for blood backflow in syringe - Replaceable skin and artery ensures longevity of model
£323.35

**Baby Ivy**
Simulated infant head with internally molded scalp veins designed for practicing neonatal peripheral venous access - Mounted on a hard-side case - Peripheral IV line insertion and removal for fluid and medication administration after patient stabilization - Infusible veins allow realistic flashback to confirm proper placement - Maintenance and securing of line
£367.20

**Baby Hippy**
Reproduction of the lower torso and limbs of a female newborn designed to train professionals in diagnosing both congenital hip dislocation and hip dislocatability - Dislocated left hip for practice of the Ortolani Jerk-Sign - Lax right hip for performing the Barlow Maneuver
£328.95

Prices exclude VAT
Paediatric Task Trainers

**Infant IV Leg**

Designed for training extremity venipuncture procedures and intravenous fluid administration in the superficial veins of the foot - Venous access in the medial and malleolus sites - Venipuncture possible in medial and lateral malleolus sites - Heel stick simulation - Fluid may be infused for realistic flashback

£140.00

**Pediatric Multi-Venous IV Training Arm Kit**

Bones of foot and ankle articulated to distal half of tibia and fibula. Depicts all major muscles, nerves, arteries and tendons of the foot and ankle - Stand included

£294.30

**Laerdal Intraosseous Trainer**

Bones of hand articulated to radius, ulna, humerus, scapula and clavicle - Depicts all major muscles, nerves and arteries of the shoulder, elbow and hand - Key code plate mounted on model - Stand included

£237.70

**Infant IO Leg**

Simulated tibia and anatomical landmarks at the tibial tuberosity and medial malleolus - Fluid may be infused for realistic flashback - Drain in heel connects to reservoir bag

£145.00

**Infant Virtual IV**

Comprehensive self-directed learning system for training peripheral venous cannulation in infants ranging from prematurity to 15 months.

The simulator enables the novice student and advanced practitioner to independently master the uniquely challenging psychomotor and cognitive skills required to competently perform intravenous catheterization in infants.

Infant Virtual I.V. presents a clinically accurate state-of-the-art simulation, enabling novices to learn and practice without risk to infant patients. Realistic 3D visual and haptic effects allow students to see and feel the patient they are treating, creating an immersive environment that optimizes the learning process.

*Price on application*

Please visit www.laerdal.com for more information
Nursing Skills

In-Service Home Care Simulator

Life-size, male pelvis with interchangeable genitalia designed for practicing urologic and rectal access, gastrointestinal care procedures - Wound care modules add realism in community health scenarios - Realistic articulation enables proper positioning for procedures - Interchangeable genitalia, with connectors and colon reservoir - Rectal tube insertion and removal - Enema administration - Genitalia, with connectors and urinary reservoir facilitates urologic care procedures: Perineal care - Insertion of vaginal medications - Patient explanation of intermittent self-catheterization - Indwelling catheter insertion, care, irrigation, and removal - Urine collection - Continuous bladder irrigation - Surgical bellyplate with interchangeable stoma sites allows simulation of cystostomy tube care and urinary diversion stoma care - Interchangeable wound care modules add realism: Gluteal and ventral-gluteal ulcer modules for pressure ulcer staging, cleaning, dressing and prevention - Thigh module for wound irrigation and packing procedure - Thigh module for mechanical debridement including excision of necrotic tissue and irrigation - Dorsogluteal, ventro-gluteal and vastus lateralis IM injections possible

£430.00

Interchangeable Catheterization and Enema Task Trainer

Life-size female pelvis with interchangeable genitalia designed for practicing urologic and rectal access gastrointestinal care procedures - Realistic articulation enables proper positioning for procedures - Genitalia, with connectors and reservoir, facilitate urologic care procedures: Perineal care - Insertion of vaginal medications - Indwelling catheter insertion, care, irrigation and removal - Surgical bellyplate with interchangeable stoma sites allows simulation of cystostomy tube care and urinary diversion stoma care - Bilateral thigh, gluteal, and ventrogluteal IM injections possible

£349.50

Wound Care Model

Molded from a 74-year-old patient, this model allows training in wound cleansing, classification, staging, and assessment

£366.50

NG Tube & Trach Care Trainer

Cast from natural bone specimen - Designed for instruction in the care of patients with respiratory conditions and the practice of gastrointestinal care procedures via nasal and oral access - Head features anatomical landmarks trachea, esophagus, simulated lungs and stomach - Lungs and stomach may be filled with fluid for realistic practice of many procedures: Tracheostomy care - Tracheal suctioning - NG tube insertion - NG tube removal, irrigation, installation and monitoring - Feeding tube insertion and removal - Gastric lavage and gavage - Nasoenteric and esophageal tube insertion, care and removal - Oropharyngeal and nasopharyngeal insertion and suctioning - Insertion, securing and care of endotracheal tubes - Includes: Adult male torso, manikin lubricant, tank top and carry case

£796.00

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Blood Pressure Training Arm

Lifelike adult arm with an electronic trainer designed for training NIBP measurement - Palpable antecubital pulse - Blood Pressure Trainer with LCD guided operation - Systolic, diastolic, heart rate and auscultatory gap are programmable - Representation of both systolic and diastolic pressures - Indication of gauge reading as pressure is increased or decreased - Adjustable volume

£699.00

Chester Chest

Lifelike model of human torso with detachable right arm designed for the care and removal of common long-term vascular access routes - Arm has dual lumen 5FR PICC (Peripherally Inserted Central Catheter) exiting the basilic vein from inner bicep area, which is preferred placement - Basilic vein slightly raised for easy identification - Posterior to the PICC site is an area for the placement of a peripheral port - Peripheral catheter - All main central venous accesses simulated - Implantable port site on left chest - All configurations are possible deep, floating and toppled over.

£690.00

IM Hip Task Trainer

Allows visualization of the relationship of bone to muscle while training the administration of medication via dorsogluteal injection - Realistic anatomical structures enable visualization of internal anatomy - Sacrum, innominate, upper femur and coccyx - Sciatic nerve and sacral plexus - Gluteus maximus and gluteus medius - Femoral artery, vein, and nerve - Student able to visualize line from the posterior superior iliac spine to the greater trochanter of the femur - Skin wrap simulating subcutaneous fat aids in learning to determine appropriate needle length

£520.00

Virtual IV

Comprehensive, fully interactive self-directed learning system for training intravenous catheterization. Powerful 3D graphics provide visual realism, while state-of-the-art force feedback device accurately simulates sense of touch - 150 cases - Virtual patients respond with bleeding, bruising, swelling, as well as other patho-physiological reactions - Over 40 unique patient models span human anatomy and physiology - Virtual I.V. Self - Directed Learning System records and evaluates students’ performance and presents thorough debriefing following each case - Debriefing gives students both positive reinforcement, as well as clear instruction that can be used to improve their abilities and training.

Price on application

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Task Trainers

**Deluxe IV Elbow**
Lifelike foam adult elbow reproduction
Venipuncture possible in the antecubital fossa - Peripheral IV line insertion, removal and maintenance - Palpable veins enable site selection and preparation - Infusible veins allow peripheral therapy with IV bolus or push injection method - Intermittent infusion
£198.40

**Standard IV Hand Trainer**
Adult male hand with replaceable skin and veins designed for practice of venipuncture in the dorsum of the hand.
Palpable veins enable site location and preparation - Infusible veins allow peripheral therapy with IV bolus or push injection method - Replaceable skin and veins ensure longevity of model - Manikin lubricant included
£153.55

**Multi Venous IV Training Arm**
Venipuncture possible in the antecubital fossa or dorsum of the hand - Peripheral IV line insertion and removal - Palpable veins enable site selection and preparation - Infusible veins allow peripheral therapy with IV bolus or push injection method - Peripheral IV line maintenance including assessment and rotation of site and dressing, solution and tubing change - Replaceable skin and veins ensure longevity of model - Articulates to many adult manikins
£561.00

**Arterial Arm Stick Kit**
Lifelike adult male arm reproduction with infusible arteries designed for training the proper arterial puncture procedure for blood gas analysis - Simulation of hand placement during performance of Allen’s Test is possible - Flexible wrist enables proper positioning - Arterial pressure may be generated manually - Artery palpation is possible - Percutaneous puncture sites in both brachial and radial artery - Infusible arteries with ability to pressurize system, enable blood backflow in syringe - Drain plug in deltoid of arm
£372.85

**Femoral Access Trainer**
Adult lower torso reproduction with realistic anatomical landmarks and infusible venous and arterial systems designed for teaching femoral access procedures - Realistic palpable landmarks - Pubic symphysis - Inguinal ligament - Anterior superior iliac spine - Manually generated arterial pulse - Blood flashback from venous and arterial systems
£401.40

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Laerdal IV Torso

Allows practicing of intravenous access techniques for both advanced cardiac life support and trauma - Enables students to experience realistic procedures - Areas for IV access are simulated by soft pads - Covered by realistic skin, which simulates the feel of human skin as closely as possible - Simulated veins inside the pads provide a natural resistance during puncture and a natural flashback of blood - When needle is withdrawn, both veins and skin will self seal so that the site of puncture is not visible to the next student - No setup for instructors as pads are pre-filled with simulated blood - Includes carry case

£576.50

AT Kelly Torso

Designed for training central venous access and chest decompression with the added benefit of airway management features - Airway management by manual maneuvers and mechanical devices - Intubation (oral and nasal) - Oropharyngeal and nasopharyngeal airway insertion - Manually generated carotid pulse - Stomach auscultation to verify proper positioning - Abdominal Thrust Maneuver may be performed - Closed chest compressions - Tension pneumothorax decompression (mid-clavicular and mid-axillary) - Subclavian cannulation (right side)

£1,240.00

Peter Picc Line

Upper torso model with right arm designed for practicing insertion, care and removal of peripherally inserted central catheter lines - Model presented in supine position with arm at 90-degree angle to body - Movable chin simulates occlusion of jugular - Anatomically correct cephalic, basilic, and median basilic veins, jugular, subclavian, and superior vena cava - Palpable ribs allow measurement of proper catheter length externally - Replaceable arm skin allows visualization of veins - Standard IV catheter placement - Distal HP of catheter viewable in the superior vena cava - Infusible veins allow realistic blood return in flashback chamber

£735.00

Cricoid Stick Trainer

Needle and surgical cricothyrotomy skills can be practiced on this model with interchangeable rigid and soft tracheas, that also articulate to a range of adult manikins - Anatomically accurate landmarks for site training - Interchangeable tracheas facilitate realistic simulation of needle and surgical cricothyrotomy procedures - Replaceable neck skin allows repeated practice - Mounted on a base

£412.60

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12 Lead Task Trainer

Adult male upper torso with anatomically accurate landmarks designed for 12-lead training. Airway management skills: Oropharyngeal and nasopharyngeal airway insertion - Manually generated carotid pulse - Stomach auscultation to verify proper positioning - Abdominal Thrust Maneuver may be performed - Closed chest compressions - Cardiac-related skills: Connection sites for four limb leads and V1 through V6 - Compatible with most 3 - 4, 12-lead defibrillators/monitors - Defibrillation via hands-free cables or paddles - Pacing with option to respond or fail to capture - Scenarios of up to five (5) ECG choices may be programmed with the ability to step to the next rhythm based on user input time frame or single-button activation.

£6030.00

Fundus Skill & Assessment Trainer

Features normal anatomy postpartum female abdomen designed for training fundus assessment and massage skills. Upper thighs articulate for positioning - Realistic landmark of the symphysis pubis - Interchangeable uteri (firm, well-contracted, “Boggy”) - Fundus offset secondary to bladder distention - Anal hemorrhoids visible - 2nd-degree midline episiotomy - Genitalia is elongated with swelling to the clitoral area - Vaginal orifice is more visible and opened.

£487.60

Mr Hurt Head Trauma Trainer

Cast from an actual victim of a road accident - It presents students with a variety of trauma conditions. This simulator comes mounted to a base but can be easily transferred to adult manikins for use in full-body trauma scenarios. Palpable fractures include: Open depressed skull fracture - Le Fort I & III - Nasal fracture - Bilateral mandibular fractures - Fracture of C-6 vertebra - Unequal pupils - Hemotympanum - Deviated Trach Anatomically - Accurate human skull reproduction renders simulator radiopaque for added realism.

£739.50

Pneumothorax Trainer

With bilateral tension pneumothoracies and decompression portals in each axilla and sub-clavian region, it is specifically designed for training professionals in the practice of chest decompression - Anatomical landmarks aid in site location - Bilateral mid-axillary and midclavicular sites available for decompression - Heimlich Abdominal Thrust Maneuver may be performed.

£775.50

Choking Charlie

Adult torso designed specifically for training students in the performance of the Heimlich Abdominal Thrust Maneuver - Realistic anatomy and response using simulated boluses provide instructors with an excellent tool for instructing and practicing this lifesaving technique - Lifelike torso manikin - Cast from human specimen - Heimlich Abdominal - Thrust Maneuver training with simulated food boluses.

£356.00

Prices exclude VAT
SimPad Task Trainers

SimPad™

When simulation tools are easy to use, teaching becomes more effective. SimPad™ is designed in close collaboration with simulation users over many years to ensure an easy and efficient way to run simulations and our task trainers.

SimPad Arrhythmia Trainer

Displays 1400+ rhythm variations for 3-4 lead rhythm recognition using a standard clinical monitor: Variable rate, rhythm, abnormalities and duration - Programmable waiting rhythms - Programmable scenario-based algorithms for instructor control - 3-4 lead ECG - Pacing (with or w/out capture and variable capture threshold) - Defibrillation (25-360J)

Includes: Arrhythmia box with connection cable, and soft carry case

£467.20

* Must be used with SimPad™, which is sold separately

SimPad Blood Pressure Trainer

For training in the procedure of non-invasive blood pressure (NIBP)
Measurement - Auscultated and palpated blood pressure simulation - Korotkoff sounds synchronized with pulses - Systolic and diastolic pressure may be individually set (Systolic 0 - 300 mmHG, Diastolic 0-300 mmHG) - Auscultative Gap On / Off - Korotkoff sound volume control - Calibration function to adjust pressure sensor and cuff gauge - Pulses only when palpated - Pulse strength depends on BP

Includes: Female blood pressure arm with connection cable, blood pressure cuff, and soft carry case

£546.00

VitalSim Sound Trainer

The sounds trainer allows teaching of multiple students auscultation and recognition of over forty normal and abnormal heart, breath and bowel sounds - Lung sounds with variable breathing rate 0-60 bpm - Heart sounds with variable heart rate - Normal and abnormal bowel sounds

(see VitalSim™ for a full listing of sounds)

Includes: Four auscultation speakers, a connection cable and soft carry case.

£467.20

Please visit www.laerdal.com for more information
A Legacy of Learning

Laerdal has been at the cutting edge of innovative healthcare training since the launch of Resusci Anne in 1960. With an extensive range of high quality simulation solutions that include patient simulators, task trainers and online patient case scenarios, we are committed to increasing the potential and scope of this most valued training methodology in support of our long held mission - helping save lives.