

Helping improve patient care



Laerdal
helping save lives

www.laerdal.com

Looking for the best training solutions

Modern healthcare is a highly complex process, with numerous dynamics and pressures that challenge the delivery of continuous and consistent quality patient care. Nurses are first in line on the patient care pathway, and at all levels, are increasingly expected to make fast, accurate assessments and clinical decisions integral to the whole patient experience.

The quality of nurse education is pivotal to the quality of patient care given and to this end, Laerdal Medical is proud to present a comprehensive selection of skills trainers, manikins, patient simulators and educational services, which will help you meet your learning objectives and bridge the gap between theory and practice.

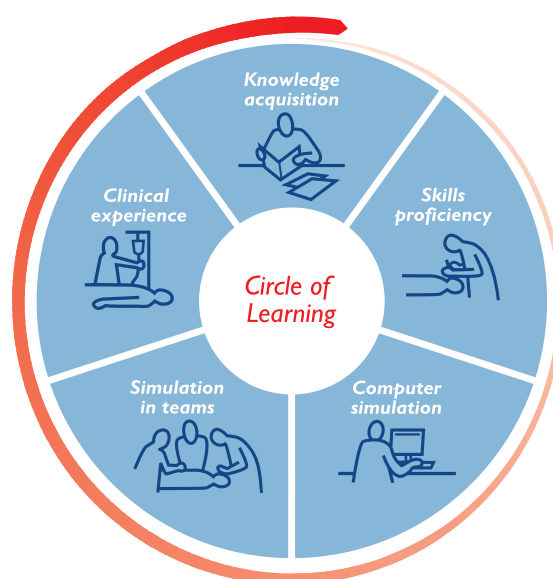
Ultimately our training solutions will help prepare tomorrow's nurses for the demands of the workplace and make a difference to the patients they care for.



Building Competences

Realistic and practical training is the keystone to building competences 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.



Applying the principles of

The Circle of Learning

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.

Training solutions for nurse curricula



Teaching the essential nursing skills

Using skills trainers, such as IV trainers and blood pressure arms give students the opportunity to repeatedly practise core nursing skills. Skills repetition in practice sessions give students multiple opportunities to correct errors, perfect performance and ensure that the given task can be demonstrated to a consistently high standard in preparation for the real encounter.



Convalescent Kelly 302-00001

Convalescent Kelly Includes: Adult Full-Body Male Manikin, Upper and Lower Dentures, 3 Reusable Mouthpieces, 100 Disposable Airways, Hospital Gown, Assembly Tool Kit, Male and Female Genitalia, and Directions for Use.



Fundus Skills and Assessment Trainer 375-22501



Catheterization and Enema Trainer 375-21001

Life-like female pelvis with inter-changeable genitalia designed for practising urologic and rectal access gastrointestinal care procedures.



Newborn Anne 220-25050

Full-body neonatal manikin, umbilical cord, airway lubricant, simulated blood, liquid soap, baby pants, carry case, baby powder, IV bag connector tube, IO fill and empty syringe and DFU on CD.



220-03550 SimNewB Anomaly Set



Multi-Venous IV Training Arm Kits

Include: Arm, Replacement Skin and Multi-Vein System, Simulated Blood, Blood Bag with Tubing and Connector, Clamp and Hook, 5 Syringes, Manikin Lubricant, Carry Case and Directions for Use.

Male Training Arm Kit	270-00001
Male Training Arm	380700
Female Training Arm Kit	375-500001
Female Training Arm	375-51001
Paediatric Training Arm Kit	375-70001
Paediatric Training Arm	375-71001

VitalSim for assessing Vital Signs

VitalSim will help you deliver more realistic training with life-like sounds and graphical display of key vital signs including: BP, ECG rhythms, pulse, bowel, heart and vocal sounds.



VitalSim Blood Pressure Trainer 375-42050

Includes: Female Blood Pressure Arm with Connection Cable, Blood Pressure Cuff and Soft Carry Case.



VitalSim Sounds Trainer 200-20150

For familiarisation of heart tones, foetal heart sounds, breath sounds and bowel sounds. Includes: Four Auscultation Speakers, a connection Cable and Soft Carry Case.

VitalSim Arrhythmia Trainer 200-20250

Includes: Box with Connection cable and Soft Carry Case



VitalSim 200-100xx

The vital signs platform for manikins and skills trainers



Patient care scenario training for the adult, child and infant

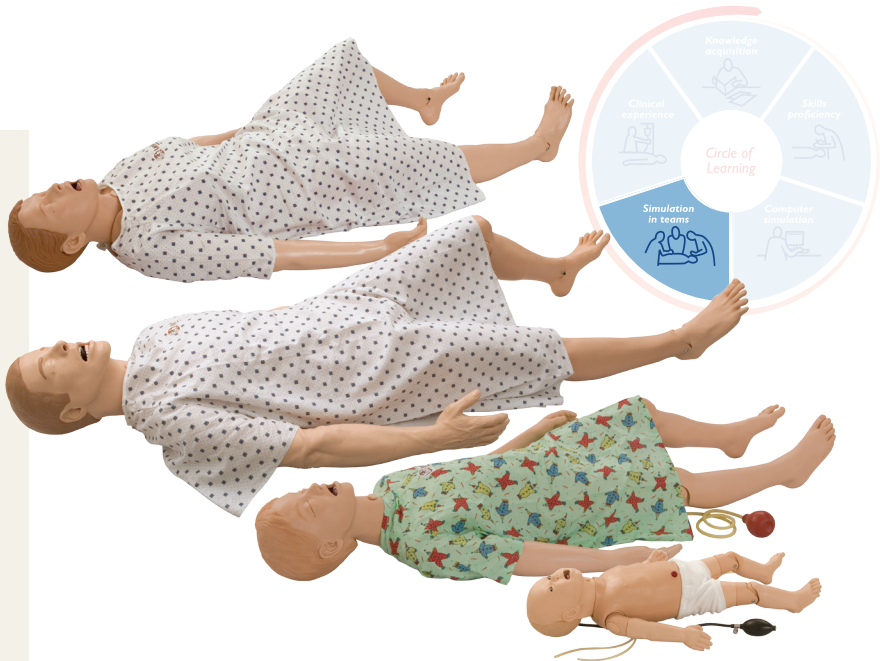


"Progressively challenging scenarios throughout the three year course provide a good link between knowledge and practice."

*Student Nurse
Birmingham City University*

From Nursing Anne to Nursing Baby, our patient care range offers the Nurse Educator a versatile training solution to deliver multiple learning objectives compatible to curricula requirements, while introducing students to early simulation training techniques for the practice of safer patient care.

Newly acquired skills can be placed in a 'real-life' context to prepare students for clinical placement and more advanced simulation exercises as they progress through their training.



Nursing Anne^{VS}

325-05050 Nursing Anne (VitalSim Capable)

325-20050 Nursing Anne (Non VitalSim Capable)

Nursing Anne is a manikin designed for scenario-based training for the care and management of a wide variety of in-hospital patients. Nursing Anne is an efficient, effective, flexible manikin for clinical training in women's health, obstetrics, post-partum, wound assessment and care, and general patient assessment and care.

Nursing Kelly^{VS}

300-05050 Nursing Kelly (VitalSim Capable)

300-20050 Nursing Kelly (Non VitalSim Capable)

A full-body adult male manikin, training with Nursing Kelly allows for a number of in-hospital patient care scenarios including blood pressure measurement, sounds auscultation, wound care assessment and management.

Nursing Kid^{VS}

350-05050 Nursing Kid (VitalSim Capable)

350-10050 Nursing Kid (Non-VitalSim Capable)

Representing a six-year-old child, Nursing Kid has been designed for skills and scenario-based training in the care and management of a variety of paediatric in-hospital patients. Nursing Kid facilitates sounds auscultation, IV cannulation, urinary catheterization and general paediatric patient care.

Nursing Baby^{VS}

365-05050 Nursing Baby (VitalSim Capable)

365-10050 Nursing Baby (non-VitalSim Capable)

Nursing Baby is an infant manikin designed for scenario-based training for the care and management of a variety of infant in-hospital patients. Training includes sounds auscultation, IV and IO skills, fontanelle assessment, urinary catheterization and general paediatric patient care.



A set of 20 pre-programmed scenarios with accompanying learning materials have been developed for use with VitalSim controlled Nursing Kelly.

Examples include:

- Acute severe asthma
- Lower leg fracture - compartment syndrome
- Pre-operative bowel obstruction - fluid electrolyte imbalance

^{VS} VitalSim enabled manikin.
See page 13 for further details



Basic Life Support



MiniAnne

Cost effective CPR training solutions

This innovative self-directed learning programme is ideal for nurses to learn and practise the core skills of CPR in 30 minutes. The MiniAnne kit instructs the user in a 'practise-while-watching' format with the aid of a 30 minute instructional DVD, and a personal, inflatable manikin with an integrated adult/child compression clicker.

MAAED MiniAnne CPR & AED



CPR certification with Resusci Anne Skills Station

Helping to maintain CPR competence among large numbers of healthcare personnel, the Resusci Anne Skills station is another self directed learning solution designed to address the logistical challenges that this responsibility presents.

Providing Quality CPR training, curriculum integration and certification, an organization's CPR skills can be continuously maintained at peak performance at all times.

For full product details, please contact your local Laerdal representative

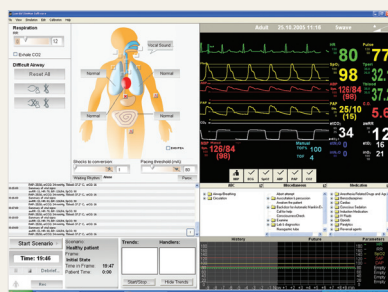


Preparing for Critical Care

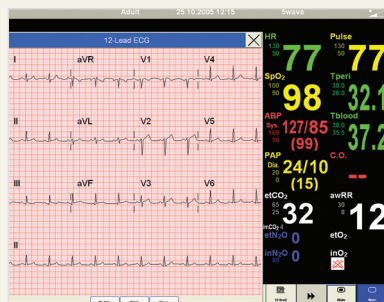
In addition to inclusive VitalSim courseware for use with both ALS Simulator Standard and ALS Simulator Advanced, pre-programmed nursing scenarios are also available to expand the scope of your training using this simulator.

Examples of Nursing Courseware include:

- Angina
- Acute severe asthma
- Diabetic - Hypoglycemia



An easy to use Graphical User Interface (GUI) for operating the patient simulator and building advanced scenarios for gradient levels of complexity.



A simulated display monitor for multiple vital signs display including: 12-lead ECGs, SpO2, Cos, Hemodynamic pressures (ABP, CVP/PAP, PCWP, NIBP), Cardiac Output, and several other parameters.



ALS Simulator Advanced

205-05050 ALS Simulator
200-100xx VitalSim Control Unit

ALS Simulator Includes:

Adult Full-body Simulator; Interchangeable Pupil Set, (6) Neck Skin Collars, (1) Roll Cricothyroid Membrane Tape, Set of Replacement Pneumothorax Bladders, (6) Chest Drain Modules, Air Pump, Set of Defibrillation Posts, Jacket, Pants, Directions for Use, Preprogrammed Scenarios for VitalSim Platform (10), Manikin Lubricant, Manikin Cable and Carry Case

xx = language versions

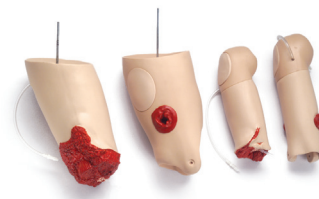
The ALS Simulator Advanced is ideal for training advanced life support, communication and teamwork with multiple learning modules that include: CPR, ACLS, NBC, trauma and bleeding control training.

Operational using the VitalSim control unit, the ALS Simulator Advanced also incorporates a new PC platform based on Laerdal's SimMan software so that instructors and students can enjoy the benefits of video debriefing and complex scenario building.


* SimMan pre-programmed scenarios are also compatible with ALS Simulator Advanced.



Trauma Module Set
381500



Bleeding Trauma Modules
381550

 VitalSim enabled manikin.
See page 13 for further details



Educational and Technical Services for ALS Simulator are available to help you get your simulation programmes up and running quickly. Please refer to page 11 for details.

For Intermediate Life Support



Resusci Anne Simulator

The **Resusci Anne Simulator** brings to the student a life-like simulation experience to develop the skills necessary to respond in the first stages of sudden collapse after cardiac arrest and other critical emergencies.

Accompanying courseware with 20 pre-defined learning scenarios reinforces medical knowledge, facilitates problem solving and decision making for optimal learning and skills retention.

150-000xx Resusci Anne Simulator

Resusci Anne Simulator Includes:

Airway Head, BP Arm with Cuff, IV Arm, Extrication Legs, Remote Control, Educational Support Material, Software CD and USB Interface Cable, Air Pump, AC Power Cable, Full-Body Soft Case and Directions for Use.

xx = language versions



20 Learning scenarios for In-hospital and Pre-hospital training are included with Resusci Anne Simulator. Examples include:

- Morphine Overdose
- Post-ictal after epileptic seizure
- Anaphylaxis
- Altered mental status (Hypoglycemia)
- Exacerbation of COPD
- Angina pectoris



Laerdal Services: A complete solution



Educational Services

A selection of courses is available to help you get the most out of our training equipment. They have been designed so that you can effectively operate our products to their fullest potential to meet your learning objectives. Our courses are tiered for basic to advanced users.

These courses can be delivered either at a site nominated by Laerdal or, if you prefer, at one or more of your locations.

We also offer on-line training through the Laerdal Learning Centre (<http://learning.laerdal.com>). The content of these courses has been designed for the needs of both new and existing customers. They are ideal for on-going and regular use as they will complement and refresh previous training.

Technical Services

Laerdal takes great pride in our customer service before and after the sale. We recognize that it is essential for our products to consistently operate to peak performance, so that you can confidently achieve your educational goals and objectives. The full portfolio of our Technical Services includes Installation Services, Preventative Maintenance Packages, Repair Services and Extended Warranty Programmes – all of which combined will give you that extra 'peace of mind' and professional support when you need it.

Customised Services

For those who prefer a more tailored one-to-one experience, Laerdal can create a bespoke service to suit your individual needs. Whether you require customized instruction, scenario development training or a consultation partner when designing or re-furbishing your training facility – our Educational and Technical Specialists can support you every step of the way.

Please discuss your requirements with your Local Laerdal Representative when purchasing your simulator.

Optional accessories to our manikins



Nursing Anne^{VS}

Nursing Kelly^{VS}

Nursing Kid^{VS}



Wound Care Assessment Set
325-00550 Nursing Anne



Fundus Skills and Assessment Module
325-00450



Paediatric IO leg
231-00101

Wound Care Assessment Set
325-00150 Nursing Kelly



Trauma Module Set
381500



Breast Exam Module
325-00750



Mastectomy Module
325-00650

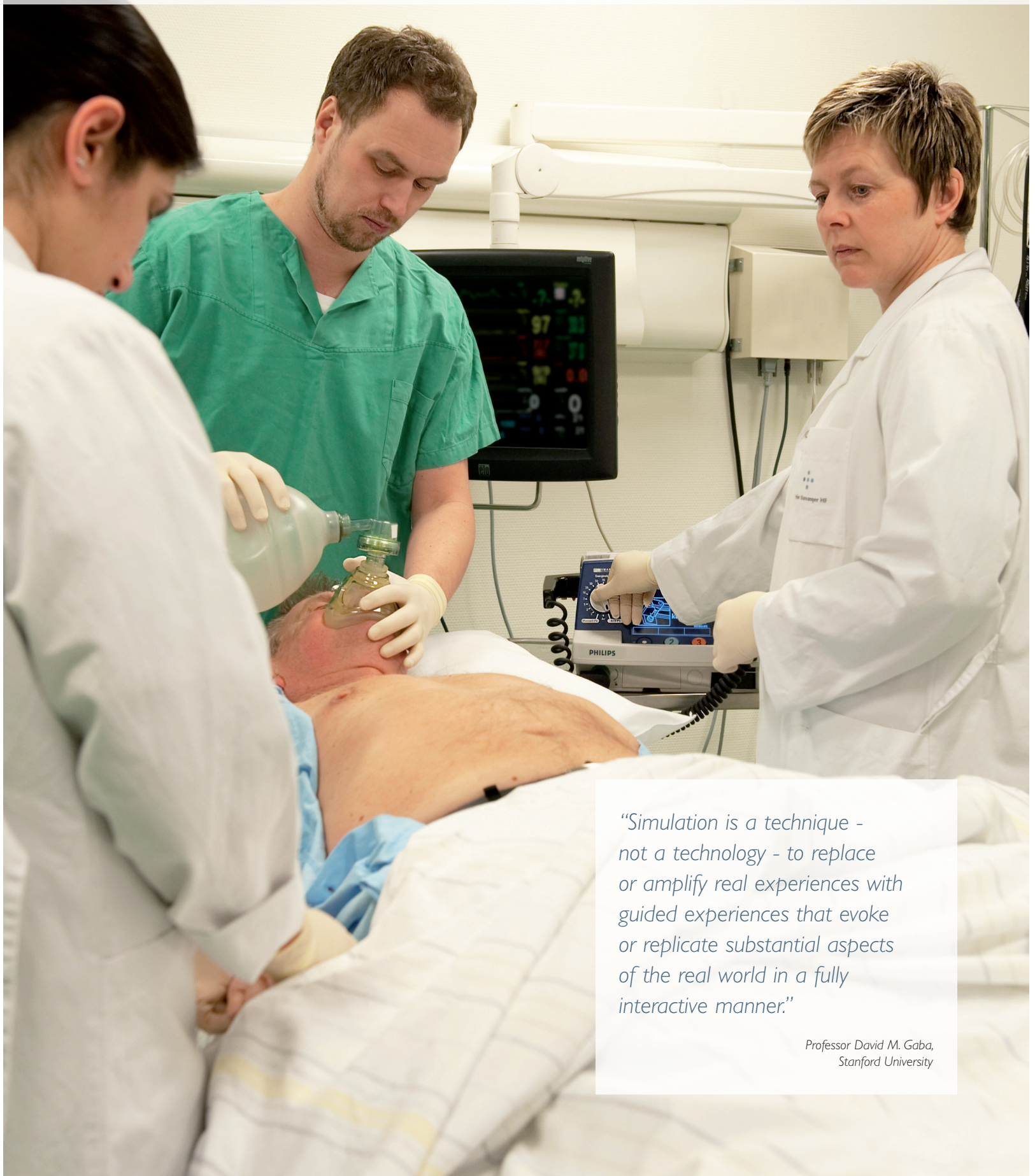
VitalSim Vital Signs Simulator

As well as replicating vital signs, VitalSim also allows instructors to run both pre-programmed scenarios and customised scenarios to meet specific learning objectives. Data logging and download functions provide valuable information for use in performance assessment and debriefing - an essential part of the simulation exercise.



VitalSim
200-100xx

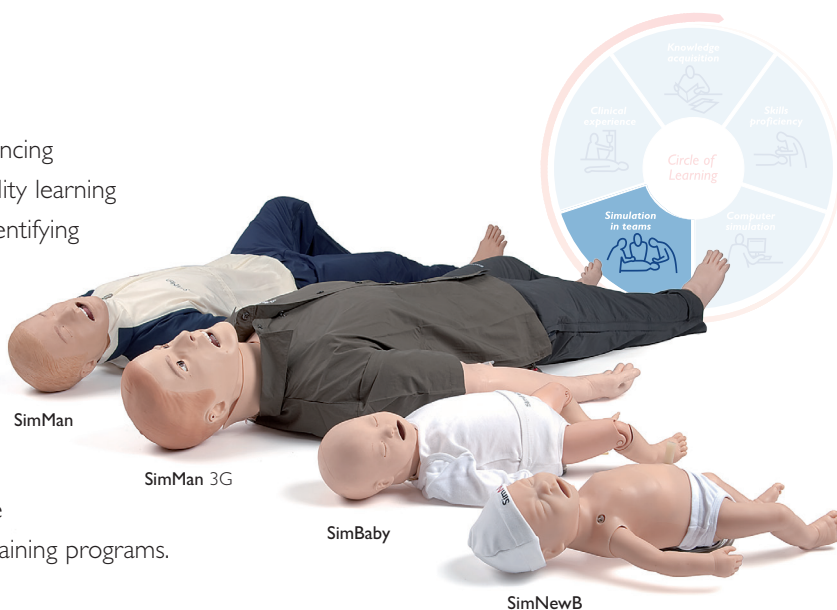
What is simulation?



“Simulation is a technique - not a technology - to replace or amplify real experiences with guided experiences that evoke or replicate substantial aspects of the real world in a fully interactive manner.”

*Professor David M. Gaba,
Stanford University*

Simulation training is first and foremost about enhancing the learning environment to promote effective quality learning experiences - and getting started is more about identifying learning needs and objectives than it is about obtaining state of the art equipment. Skills trainers and low-fidelity manikins can fulfill one's basic training needs and provide an excellent introduction into the principals of simulation based training. However more advanced equipment that enables full-scale simulation may be appropriate as an evolving process in developing training programs.



SimNewB provides an interactive simulation solution for the unique training requirements of neonatal emergency medicine and resuscitation courses.



SimBaby presents a comprehensive range of signs and symptoms for students to observe, interpret and manage through complete clinical scenarios in emergency paediatric patient care.



SimMan will challenge and test students' clinical and decision-making skills during realistic adult patient care scenarios. Audio-visual feedback allows for comprehensive de-briefing for reflective learning and team effectiveness.



SimMan 3G provides realistic multi-disciplinary training in a variety of settings - from the point of patient injury, through the challenges of ambulance transportation to definitive care in the hospital Intensive Care Unit- the chain of inter-disciplinary patient care can be streamlined for improved patient outcomes.

From a team of experts to an expert team:

Poor communication is often cited as a contributory factor where patients suffer poor outcomes. Simulation addresses this training requirement in a way that no other training methodology can. Rare but critical and time pressured events requiring the expertise of a multidisciplinary team can be re-created in a simulation, so that protocols can be established and communication problems identified and resolved for improved patient outcomes.

We believe

At Laerdal, we believe that simulation training for Healthcare Professionals is pivotal in our common goal to improve patient outcomes. Simulation provides the opportunity to train staff without risk to patients. The ability to practice frequently and manage complex medical scenarios helps prevent medical errors, and the subsequent detailed feedback promotes discussion and reinforces the learning process. Simulation will enable your staff to deliver better quality patient care with more integrity, improved consistency, and enhanced confidence.

To read more about patient simulation, please visit www.laerdal.com/Patient-Simulation

For full product details and demonstration, please contact your local Laerdal representative. For an overview over all over Patient Simulators, Educational and Technical Services please visit www.laerdal.com



We believe patient simulation can make a difference

Simulation training is becoming more prevalent in healthcare education, owing to the growing amount of data supporting its use as a positive training adjunct to traditional healthcare training methods. Simulation has been widely assessed to be considered educationally effective, and at the same time complementary to patient safety initiatives relevant through the clinical training process.

To read and learn more
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