

Infant emergencies made real



SimBaby

The advanced simulator for training in infant emergencies

www.laerdal.com



Laerdal
helping save lives

Realistic simulation in teams



Simulation in teams

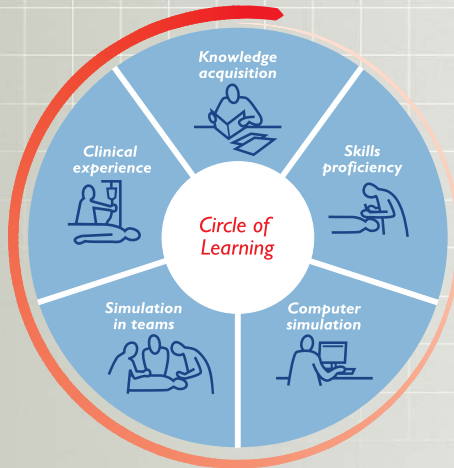
In a real emergency, a good outcome for the patient depends on the realism of the rescuer's training and effective practice in teams.

A critical part of the learning process for emergency care personnel is practicing treatment in the same way it occurs in a real emergency. A patient's condition changes over time, depending on the quality and speed of treatment, so should the simulation in practice.

Simulation training is of greatest value to help people practice working together as a team. It helps improve essential communication and coordination skills and so improves effective team treatment.

Simulation in teams is therefore an invaluable step in helping save lives.

improves patient safety and outcome



helping build competence

Patient safety and outcome are critically dependent on the competence of healthcare personnel.

Building real competence is a step-by-step process.

It includes acquiring new knowledge and skills, getting used to making quick and safe decisions, training realistically in teams, and gaining clinical experience.

Maintaining and increasing competence is an ongoing process.

Laerdal has been offering learning products responding to evolving needs in emergency medicine ever since the introduction of Resusci Anne in 1960.

Today our range of life saving, cost-efficient learning products includes graphic source materials, innovative skills trainers, interactive computer simulators and advanced patient simulators.

This reflects our belief that helping build competence is a critical part of our mission of helping save lives.

SimBaby - a real training benefit



SimBaby has an anatomical realistic airway

that allows accurate simulation of all relevant infant airway management and patient care scenarios.

The airway is compatible with most techniques and devices, including LMA and endotracheal intubation. The anatomy can be dynamically changed to represent conditions like tongue edema, pharyngeal swelling, and laryngospasms.

Realistic infant breathing patterns and complications

bring realism to the simulation experience.

SimBaby can simulate a wide range of spontaneous breathing patterns including variable rate and depth, and complications like subcostal retractions and see-saw breathing. The instructor can modify both the lung compliance and the airway resistance.

Critical conditions like tension pneumothorax can also be simulated and managed through needle thoracentesis and chest tube insertion.

A range of relevant lung sounds are available to make the scenario complete. During hypoxic conditions, the SimBaby will present cyanosis in the mouth region.



SimBaby simulates relevant circulation features

The instructor may choose from a range of cardiac rhythms, which will be presented as 3 or 12-lead readings on the simulated patient monitor. Heart sounds can be selected from a wide selection and auscultated on the chest.

The blood pressure can be adjusted and measured manually by pulse palpation and auscultation of Korotkoff's sounds. The pulse is synchronized with the ECG and BP, and can be palpated in several locations. SimBaby also allows for live defibrillation, pacing, and synchronized cardioversion.

SimBaby has IV-arm and bilateral IV/IO legs which allows peripheral access. These can be connected to reservoirs to allow for volume infusion and blood sampling.



Infant emergencies made real



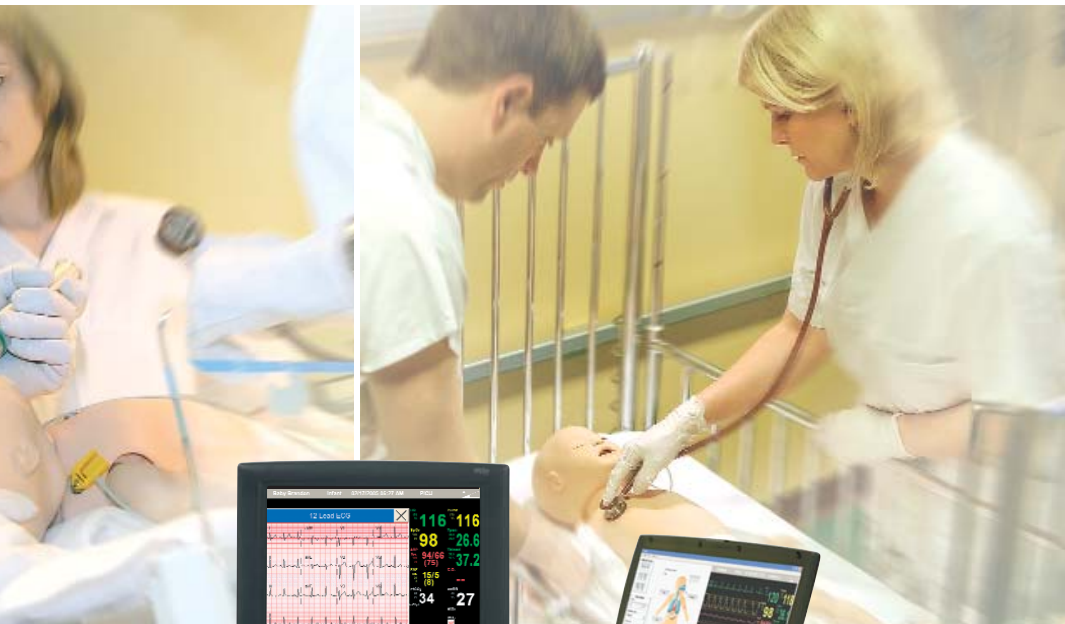
SimBaby

Educational effectiveness - provides highly realistic patient simulation for the practice of teamwork, leadership and communication skills.

Multi function use - facilitates training for a wide range of health care professionals encompassing all areas of patient care.

Practice infrequently occurring scenarios - prepare the learners for the unusual or difficult cases they may face in real life.

Anatomically realistic - enables a wide range of emergency medical interventions to be practiced.



bringing simulation to life...

Additional features

The instructor can simulate consciousness, spasms or respond to stimuli through variable degree of torso movement.

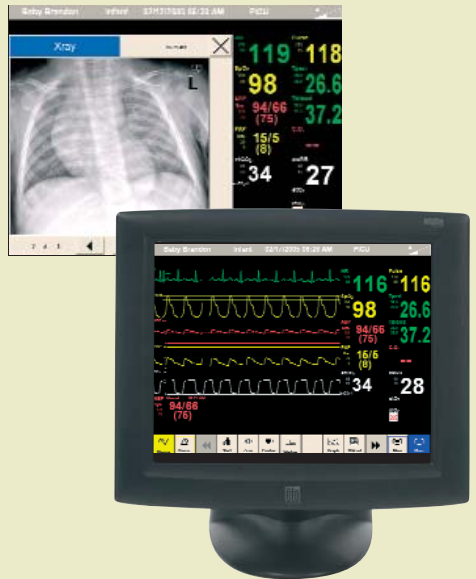
SimBaby has interchangeable pupils with three different pupil sizes.

Assessment and treatment protocol for excess pressure in the skull can be practiced through actual distention of the fontanel.

SimBaby can produce a range of preprogrammed vocal sounds like crying and coughing to support the simulation scenario.

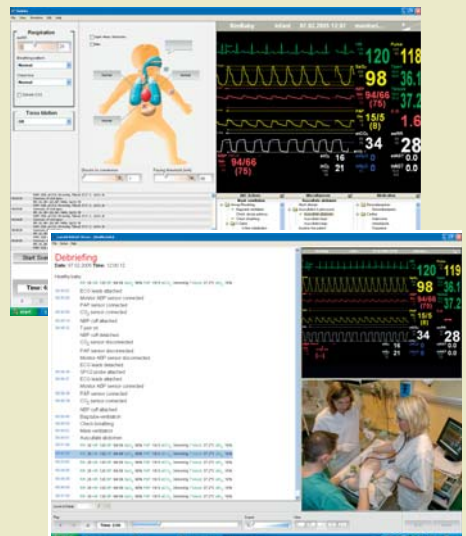
SimBaby comes with a simulated patient monitor

The 17" color LCD screen provides 12 lead ECGs, SpO₂, CO₂, several Hemodynamic pressures (ABP, CVP, PAP, PCWP, NIBP), Cardiac Output and several other parameters. Touch screen operation allow for setting of waveform parameters, alarm functions and selection of screen layouts. X-rays, snap shot of 12-lead ECG and trends can also be shown on the patient monitor:



SimBaby software is easy to operate and allows you to build advanced Scenarios including Trends and Handlers, to meet your learning objectives. The software communicates with the manikin and registers events during the simulation. The user interface is designed to make it easy to control, adjust and manage the scenarios.

The software automatically generates a debriefing view combining event log with synchronized recordings of patient monitor and in-room video. Easy to use navigation tool and adjustable level of detail shown during debriefing, helps the instructor to optimize the simulation as an educational tool.



SimBaby

Part No.	Description
245-00033	SimBaby main product

Includes: Manikin in a dedicated suitcase, BP cuff, SpO₂ probe, Link box, Simulated patient monitor, USB web-camera, USB hub, Air/CO₂ tube, PDA as remote control, Set of consumables, Operating software, Interactive product presentation and Directions for Use.



Optional accessory:

389000xx*	Laptop
210-01050	Compressor 230-240 V
210-01150	Compressor 110 V
381220	Regulator unit
381850	Portability kit
245-18050	Transportation case Accessories ex. compressor
381602	Transportation case compressor

* xx = language versions

**for additional SimBaby information and an interactive presentation,
please visit www.laerdal.com**



Laerdal
helping save lives