

# Medical Simulators



## PREGNANCY



### Deluxe Childbirth Model Set

With this set you can easily demonstrate the birth process. The 48cm-long Fetal Model represents an average-sized, full-term baby. The body flexes to show all presentations and positions, and the head has palpable anterior and posterior fontanelles. The Perineal Cloth Model (13 x 16,5 cm) demonstrates the stretching of the perineum, possible episiotomy, and the emergence of the fetal head. The cloth attaches to our Flexible Pelvis Model and accommodates the head of the Fetal Model. The Flexible Pelvis Model can be manipulated to demonstrate how the pelvis moves to accommodate delivery. The Placenta/Cord/Amnion/Chorion Model allows the Fetal Model to be shown inside a simulated amniotic sac. The amniotic and chorionic membranes are accurately detailed in two colors.

Ref.no. R10074

Details:



### Abdominal Palpation Model Set

This model set is perfect for performing Leopold's maneuvers and for demonstrating palpation of the abdomen to determine fetal lie, presentation, and position. The Abdominal Palpation Model includes a fetus with movable arms and legs, firm buttocks, and a head with palpable anterior and posterior fontanelles. The fetal body flexes to allow demonstration of all presentations and positions. The abdomen, a padded cloth attached by Velcro to the base, makes it easy to visualize and change fetal positions. With a gel pad that provides added cushion over the fetus for a more realistic feel and with a movable gel packs to simulate amniotic fluid.



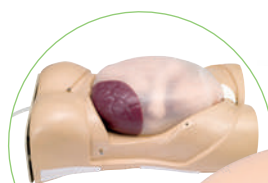
Ref.no. R10075

Details:



### Pregnancy examination model with heartbeat simulation

This model allows practice of examination using the 4 Leopold gestures, external pelvic measurement, auscultation of the foetal heartbeats and breast care. The abdominal wall consists of a special synthetic material, which conveys an entirely natural feel. By adding or releasing air, the simulated quantity of amniotic fluid can be adapted to the desired conditions. Any modification of foetal position is possible. The simulated heartbeats can be modified in both rate and intensity. By means of exchangeable inserts, it is possible to simulate a smaller or larger birth canal.



Ref.no. LM43N

Details:



### Obstetric Examination Simulator



This simulator represents a pregnant woman in the 39th to 40th week of pregnancy and allows the training of the fundamental examination skills for prenatal check-up. Additionally to palpation and abdominal measurement it allows auscultation of foetal heart sounds. The soft and elastic skin provides a life-like sensation of palpation. The pelvis and fetus are anatomically correct. The following examination techniques are possible:

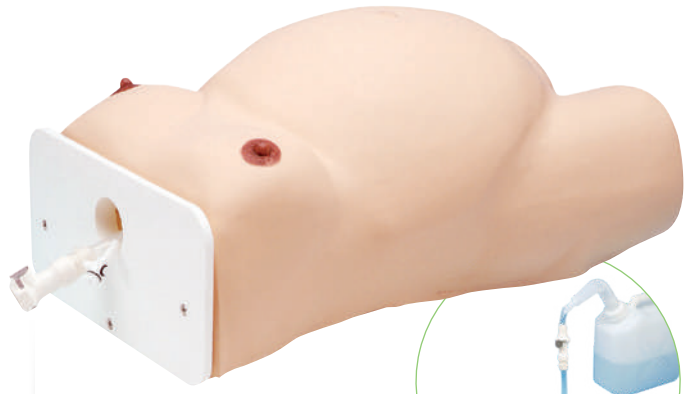
Palpation, Leopold – maneuvers, Seitz – method. Measurement (Abdominal girth, Fundal height, External Pelvimetry).

Ref.no. R16140

Details:







### External Cephalic Version Model

This model represents a woman in the 36th week of pregnancy. ECV technique can be practiced with this model. The amniotic sac can be filled with glycerine to simulate amniotic fluid. Different conditions can be simulated by the amount of glycerine inserted. The model is made of soft, skin like material to provide realistic feel and touch. The foetus head, hands and legs are harder than the other structures, the spine is structured, this allows palpation of the foetus position from outside.

Ref.no. LM80  
Details:



### Maternity Simulator

This simulation jacket gives an impressive experience about the difficulties a pregnant woman has to handle. The additional weight (7.2 kg) and the dimensions make even simple things very difficult. This simulator is designed to make understand the situation of a pregnant woman.

Ref.no. LM65  
Details:



### Cervical Dilatation and Effacement Simulators

These simulators are incredibly soft with a realistic feel and touch to enhance the simulation of cervical examination prior to birth. The set consists of six separate 10 x 11 x 12 cm pelvic blocks. The external appearance of all six blocks is identical, with the variations being in the internal structure. The simulators are clearly identified on the back side to indicate which condition exists internally. Students will gain a tactile understanding of no dilatation, 2 cm, 5 cm, 7 cm, 9 cm, and effacement conditions.

Ref.no. R10922  
Details:



### Fetal Monitoring and Labor Progress Model Set

Provide realistic simulation for vaginal examinations, labor progress, assessment of dilation, palpation of fetal fontanels and suture lines, and assessment of the position of the vertex. Model set includes fetal head, lower uterine segment, fetal buttocks for breech presentation, and four interchangeable cervical dilation models.

- Training options:**
- ✓ Performance of vaginal examinations
  - ✓ Assessment of labor progress and dilation
  - ✓ Palpation of fetal fontanels and suture lines
  - ✓ Assessment of the position of the fetal head

Ref.no. R10925  
Details:



## Cervical Examination Simulator

This training model provides everything you need to perfectly train the manual examination of the cervix. The genital area is made of new and innovative material that excels in elasticity, durability and resilience.

### Features:

- ✓ 5 exchangeable cervix inserts in different stages
- ✓ The position of the head is adjustable from -3 to +6
- ✓ The head has a frontal fontanel
- ✓ Anatomical landmarks such as iliac spine and symphysis
- ✓ The insertion of a bladder catheter can be practiced
- ✓ A pap smear test can be practiced



Ref.no. R16160

Details:



## Delivery Assistance Simulator

This birth simulator provides training of the essential manual skills during birth. It covers all steps from perineal protection to the delivery of the placenta.

Ref.no. R16170

Details:



### Features

- ✓ Anatomically correct vaginal canal, iliac spine, pubic symphysis and coccyx
- ✓ Different birth positions can be simulated
- ✓ Perineal protection can be practiced
- ✓ Forceps and vaccum delivery are possible
- ✓ Clamping, tying and cutting of umbilical cord are possible
- ✓ Delivery of placenta is possible
- ✓ The examination of placenta and amniotic sac can be practiced
- ✓ Insertion of bladder catheter is possible







## Obstetric Training Simulator, Complete Set

This obstetric simulator provides the opportunity to train the whole birth procedure. A birth stages module for palpation of the cervix, a delivery module for learning manual assistance during birth and a perineal repair module make the complete set a perfect choice.

### Features:

- ✓ This model has an innovative new vulva material which excels in elasticity, durability and resilience.
- ✓ Module for cervix examination
- ✓ Birth module including 5 stages of cervical dilatation
- ✓ Anatomical landmarks (Iliac spine, pubic symphysis)
- ✓ Anterior fontanel to determine the fetal position
- ✓ Possibility for speculum examination
- ✓ Possibility to perform a Pap smear test
- ✓ Insertion of a bladder catheter can be practiced
- ✓ Module for delivery assistance

- ✓ Anatomically correct vaginal canal, iliac spine, pubic symphysis and coccyx
- ✓ Different birth positions can be simulated
- ✓ Perineal protection can be practiced
- ✓ Forceps and vaccum delivery are possible
- ✓ Clamping, tying and cutting of umbilical cord are possible
- ✓ Delivery of placenta is possible
- ✓ Insertion of bladder catheter is possible
- ✓ Module for perineal repair
- ✓ Repeated training of first degree perineal tear repair
- ✓ Training of single interrupted and vertical mattress suture



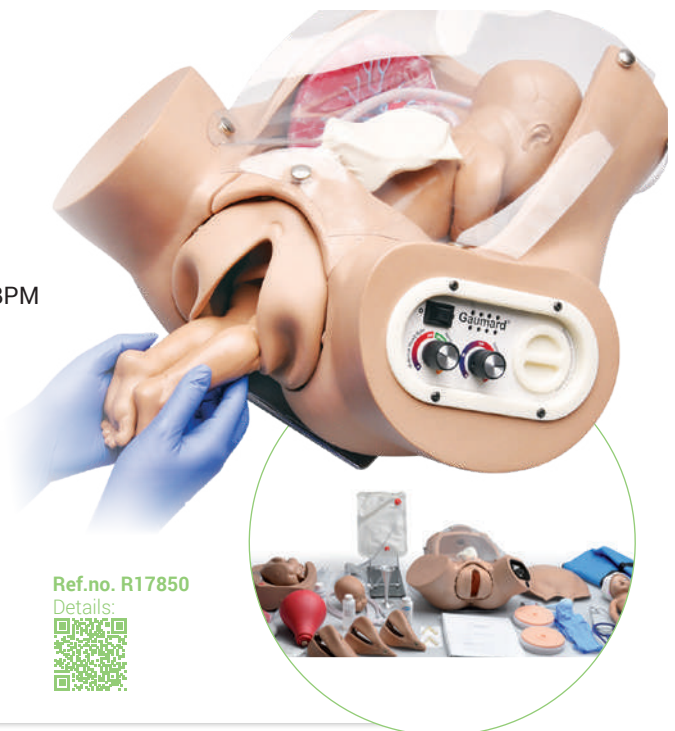
Ref.no. R16150  
Details:

## Advanced birthing torso

Versatile, lightweight birthing torso allows you to simulate every stage of the birthing process. Simulator is ideal for practicing Leopold maneuvers. Practice vaginal breech deliveries and free the legs using the Pinard maneuver. Includes torso, birthing baby, and newborn baby.

### Features:

- ✓ Audible maternal and newborn heart sounds from 0-220 BPM
- ✓ Audible newborn cries, grunting, and stridor
- ✓ Bladder catheterization with variable urinary flow – use conventional urinary catheter to reduce bladder size
- ✓ Clamp placement and umbilical cutting
- ✓ Delivery of placenta – position placenta to simulate placenta previa
- ✓ Fetal palpation through transparent or abdominal cover
- ✓ Insertion of medication through rectum
- ✓ Use blood concentrate to simulate postpartum bleeding
- ✓ Uterine massage
- ✓ Vacuum assisted or forceps deliveries with or without abdominal cover
- ✓ Vertex or breech deliveries



Ref.no. R17850  
Details:



## Super OB *Susie*

The Super OB Susie childbirth training torso is designed to aid educators teach labor and delivery management skills to learners of all levels. The anatomically accurate pelvis and full-term neonate allows learners to develop clinical skills transferable to scenario-based exercises. The modular design allows the functionality to expand with growing specific training needs.

### Features:

- ✓ Adult-sized lower torso from diaphragm to quadriceps
- ✓ Smooth skin with seamless joints for enhanced realism
- ✓ Anatomically accurate pelvic landmarks including ischial spines and coccyx
- ✓ Removable pregnant abdominal cover
- ✓ Articulating hip joints aid in performing McRobert's maneuver
- ✓ Removable cervix and birth canal
- ✓ Lifelike placenta with removable cotyledons
- ✓ Practice catheterization exercises with patent urethra
- ✓ Urine reservoir holds up to 400mL
- ✓ Patent rectum accepts suppositories
- ✓ Full-term neonate has palpable landmarks, articulating limbs, and soft full-body skin
- ✓ Seamless, articulated joints
- ✓ Nasal and oral cavities
- ✓ Palpable fontanelle and sutures
- ✓ Smooth, seamless scalp
- ✓ Realistically articulating neck and torso
- ✓ Detachable umbilical cord and cord stumps for additional cutting and clamping

### Procedures:

- ✓ Execute cephalic deliveries
- ✓ Perform Ritgen's maneuver
- ✓ Practice breech deliveries (complete, frank, and footling)
- ✓ Perform Pinard's maneuver
- ✓ Simulate shoulder dystocia
- ✓ Practice emergency interventions including McRobert's maneuver, suprapubic pressure, posterior arm sweep, and Wood's Screw
- ✓ Perform placental and umbilical exercises (placental delivery, partial placenta previa, nuchal cord, cord prolapse, and many others)
- ✓ Practice Umbilical cord procedures like clamping and cutting
- ✓ Demonstrate internal rotation, expulsion, and external rotation Birthing Baby
- ✓ Perform operative deliveries with real instruments like vacuum suction delivery and forceps assisted delivery
- ✓ Simulate nasal and oral suctioning.

### Package content:

- ✓ OB Susie® Childbirth Training Torso
- ✓ Pregnant Abdomen
- ✓ Full Term Neonate
- ✓ Placenta
- ✓ Umbilical Cord (2)
- ✓ Umbilical Stump (2)
- ✓ Cervices (2)
- ✓ Birth Canals (2)



Ref.no. R17860

Details:



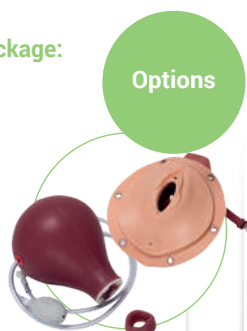
### Postpartum hemorrhage management package:

The PPH Management Package enables the training of postpartum care and emergency management skills.

### Features:

- ✓ Realistic post-delivery perineum
- ✓ Uterine hemorrhaging using built-in reservoir in training torso
- ✓ Uterine tamponade placement
- ✓ Adjustable uterine tone
- ✓ Urinary bladder catheterization
- ✓ Suppository administration

**Package Contents:** PPH Perineum. Boggy Uterus. PH Cervix. Blood Concentrate.



Ref.no. R17860-1

Details:



### Postpartum episiotomy suture trainer:

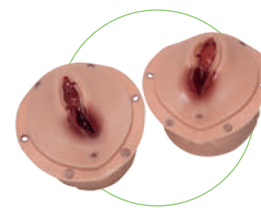
The episiotomy repair trainers simulate human tissue and support the use of real sutures and instruments.

### Features:

- ✓ Realistic soft skin
- ✓ Supports real sutures
- ✓ Durable self-healing skin

### Package Contents:

Mediolateral left episiotomy perineum. Midline episiotomy perineum.



Ref.no. R17860-2

Details:





## Stages-of-Birth Module

Model for upgrading LM114. For determining a Bishop Score. This module contains three different stages of the cervix as well as a foetal head. The foetal head can be placed in various positions. The cranial sutures and fontanel are palpable. Also useable as a stand-alone model with the optionally available lower torso. The model is made of a new type of highly flexible and durable material.

Ref.no. LM101F

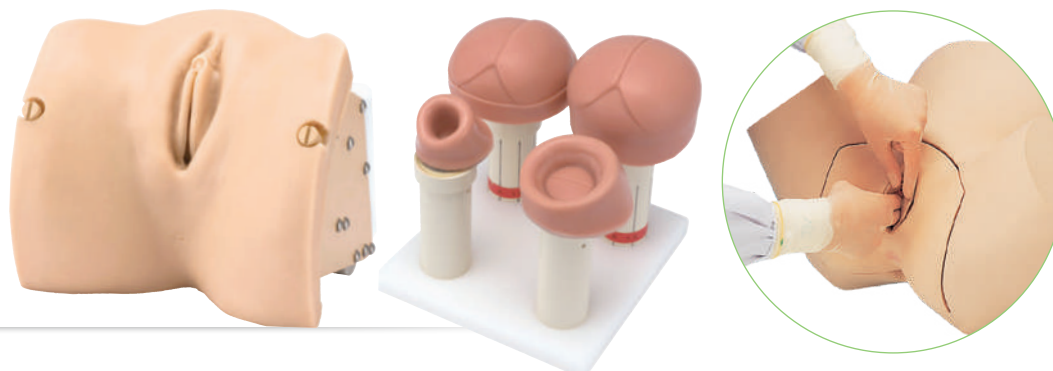
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Matching lower torso

Ref.no. LM637

Details:



## Birth simulator with Positioning option

Obstetric assistance during normal delivery, including the side-lying and hands-and-knees positions, can be practiced.

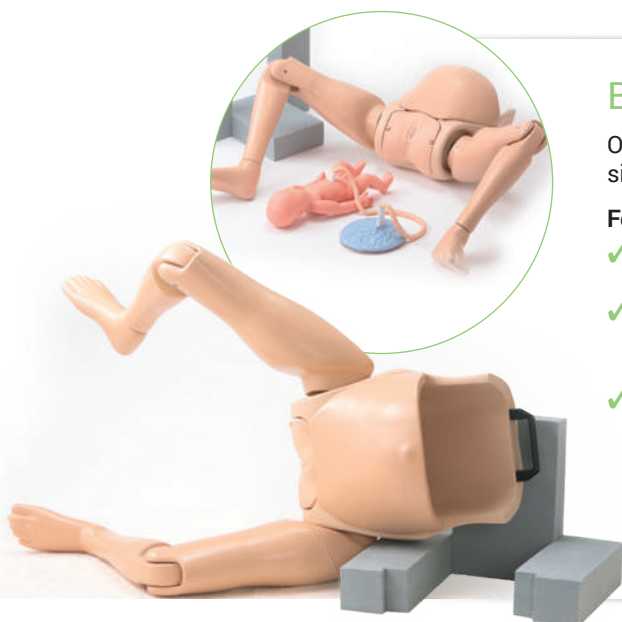
### Features:

- ✓ obstetric assistance for normal delivery, side-lying and hands-and-knees position
- ✓ The fetal model can reproduce the extension of the head. This also makes it possible to practice assistance techniques during vacuum extraction and forceps delivery.
- ✓ The placenta model's umbilical cord can be manipulated with Kocher forceps and an umbilical clip. It is also possible to reproduce the nuchal cord.

**Training of:** Perineal protection, Delivery assistance, Cutting the umbilical cord, Delivering the placenta

Ref.no. LM114

Details:



## Obstetric Trainer

This modular model offers the practice capabilities of three individual simulators. It includes a stages of birth / palpation model for determining Bishop Scores. This module contains three different stages of the cervix as well as a foetal head. The foetal head can be placed in various positions. The cranial sutures and fontanel are palpable. The module is made of a new type of highly flexible and durable material. The second component of the model comprises a complete birth simulator that permits realistic simulation of birth. The highly flexible vulva made from new and extremely dilatable material makes it possible to learn protection of the perineum. The placenta and umbilical cord have a three-layer egg membrane. The umbilical cord can be cut and the cut area can be replaced. The foetus doll is made of highly realistic material, and can be used to learn how to examine and aspirate an infant. In addition to normal birth, it is also possible to show breech birth. The third module contains a simulator for practicing episiotomy sutures. The two included inserts can be sewed again and again.



Ref.no. LM101J

Details:



## Advanced Childbirth Simulator

This versatile childbirth simulator is used worldwide by healthcare educators. It not only provides an excellent simulation of the normal delivery experience for the student and educator, but also provides instruction in abnormal and multiple deliveries.

It may be used for demonstration of the following obstetric procedures:

- ✓ Normal vaginal delivery
- ✓ Complete, frank, and footling breech birth
- ✓ C-section delivery
- ✓ Ritgen's maneuver
- ✓ Episiotomy
- ✓ Vertex presentation
- ✓ Intrauterine manipulation
- ✓ Vertex/vertex, vertex/breech, breech/vertex, or breech/breech presentation in multiple birth
- ✓ Prolapse of umbilical cord
- ✓ Demonstration of placenta previa: total, partial, and marginal
- ✓ Normal delivery of umbilical cord and placenta
- ✓ Palpation of fetal fontanelles
- ✓ Simulated suction of nose and mouth.

**Features/Scope of Delivery:** Removable diaphragm • end plate for manual positioning of fetal baby/babies • Removable stomach cover for positioning fetus • Life-size pelvic cavity with major anatomic landmarks • Hand-painted outline of the bony pelvis • Three soft vulval inserts for episiotomy exercises • One baby boy and one baby girl, each with umbilical cord and placenta • Anatomically accurate backbone and fontanelles on fetal baby/babies • One skin-tone stomach cover • Four extra umbilical cords • Two umbilical clamps • Talcum powder • Instruction manual • Soft carrying bag

Ref.no. R17840

Details:



Palpation Module for Leopold Maneuvers

Ref.no. R17840A

Details:



Labor Delivery Module

Ref.no. R17840D

Details:



Articulating Newborn for Leopold Maneuvers

Ref.no. R17840B

Details:



Fetal baby, Umbilical Cord, and Placenta for Vacuum Delivery, smooth, soft skull with fontanelles for realistic vacuum delivery.

Ref.no. R17840E

Details:



Postpartum Suturing Trainer

Ref.no. R17840C

Details:



Birthing Mechanism

Ref.no. R17840F

Details:



## Forceps/Vacuum Delivery OB Manikin

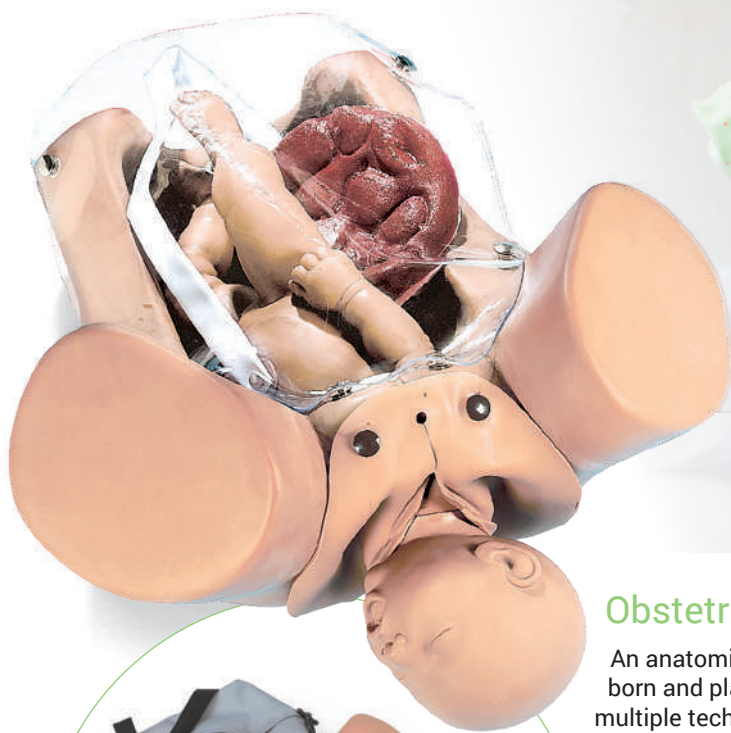
The manikin used in Advanced Life Support in Obstetrics (ALSO) training programs. An anatomically correct pelvic model with both premature and full term fetuses to give trainees realistic practice in multiple techniques and to learn the procedure for emergency childbirth. The soft vinyl pelvis replicates the resistance encountered in a delivery requiring forceps or vacuum intervention. Comes with removable abdominal overlay, powder to make simulated blood, extra vulva, and soft carry bag. Forceps and vacuum extractor not included.

Ref.no. R10181

Details:







## Obstetrical Manikin

An anatomically correct pelvic model with full term newborn and placenta to give your trainees realistic practice in multiple techniques, and to learn the procedure for emergency childbirth. Disposable umbilical cords with clamps, easily replaced extra vulva, powder to make simulated blood, a modular pregnant belly overlay with permanently installed foetus for training practice of Leopold's manoeuvre to determine the foetus' lie by palpating its skull and knee-caps, and a clear abdominal overlay to see positioning are all included. The lifelike pelvic cavity has pronounced pelvic landmarks, located spinal column, angled birth canal, ilium, ischium, sacrum, sacro spinous ligaments, and greater sciatic notch. The foetus provided is of a realistic newborn size with fontanelles and cranial sutures. A soft carry bag is included.

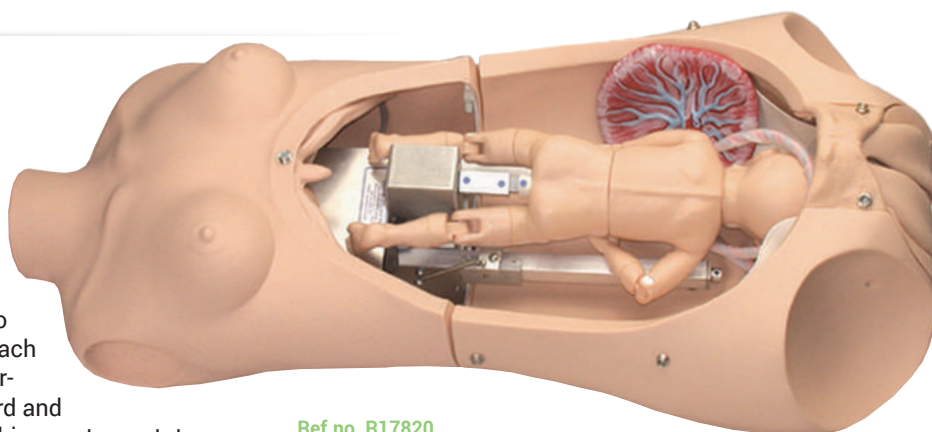
Ref.no. R10180

Details:



## Noelle Birthing Torso

An economical simulator for those programs dedicated to practicing all facets of childbirth. This full-size upper and lower female torso comes with removable stomach cover and one articulating birthing baby with umbilical cord and placenta. The automatic birthing system rotates baby as it moves through the birth canal. Allows you to listen to foetal heart sounds, measure head descent, and cervical dilation. Features multiple placenta positions. Replaceable dilating cervixes, practice on postpartum suturing on vulval inserts, and practice of Leopold Maneuvers.



Ref.no. R17820

Details:



## BIRTHING MANIKINS



### Birthing manikin *Hana*

This full body manikin forms the basis for a comprehensive simulation model in midwifery. The manikin as a basic platform offers general functions like airway management, oxygen administration, gastric tube, IV access in both elbows, and on the back of the hand. Placing an urethral catheter can be explained, IM and subcutaneous injections are possible. The manikin has a female breast for palpation as well as a puncture site for simulation of an epidural catheter. The manikin works as a platform and can be combined with different modules.



Manikin platform  
Ref.no. R16200



### Available modules:

#### Perinatal examination

Palpation (e.g. using Leopold's maneuvers, cephalopelvic disproportion assessment), repositionable fetus, auscultation of fetal sounds, with adjustable heart rates from 60 to 180, measurable abdomen girth, fundal height and external pelvimetry.

Ref.no. R16200-1

Details:



#### Birth module

Various positions: Supine, lateral, all-fours, perineal protection, cephalic and breech presentations, obstetric forceps delivery and vacuum extraction delivery, tying and cutting of the umbilical cord, delivery of the placenta, inspection of the amniotic sac, insertion of urinary catheter.

Ref.no. R16200-4

Details:



#### Ultrasound examination

Screening of 23 weeks fetus, fetal size assessment using BPD, AC, FL, and so on, measurement of amniotic fluid volume, determination of fetus presentation.

Ref.no. R16200-2

Details:



#### Perineal tear

Perineorrhaphy: -single interrupted suture -vertical mattress suture, repetitive suture practice for first degree perineal tear.

Ref.no. R16200-5

Details:



#### Cervical examination

5 types of cervical dilation models, determination of bishop score (cervix score), check fetal head position.

Ref.no. R16200-3

Details:



#### Puerperal assessment

Assessment uterine involution in early puerperium: 4 types of variations, measurement and palpation of uterine fundus, perineal cleaning and assessment, postpartum massage, assessment of anal prolapse.

Ref.no. R16200-6

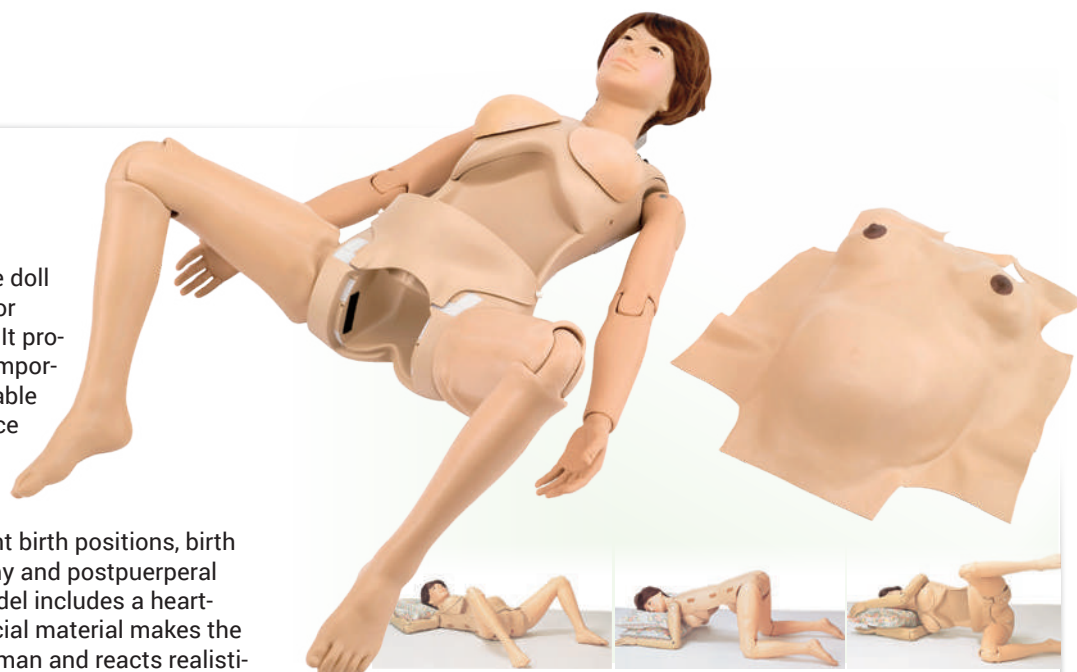
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## Obstetric Practice Doll

This modular practice doll is the universal tool for Midwifery education. It provides training for all important skills. Exchangeable modules allow practice of Leopold-gestures, breast care, vaginal examination of birth process, different birth positions, birth simulation, Episiotomy and postpuerperal examination. The model includes a heart-beat-simulation. Special material makes the doll feel like a real human and reacts realistically during training. The vulva is not just an opening, it stretches like a real vulva during birth. As a full body manikin this model has the advantage against other simulators that it can be used in a complete theatre, for example the birth procedure can be practiced in a real birth position.

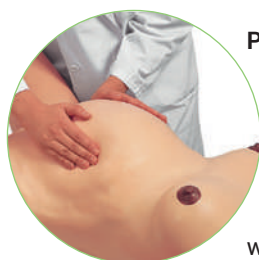


Ref.no. LM114H

Details:



### The supplied modules are:



#### Pregnancy module

This module contains an amniotic sac with foetus (36th to 40th week of pregnancy), a heartbeat simulation and an abdominal wall with breasts. This module is suitable for practicing

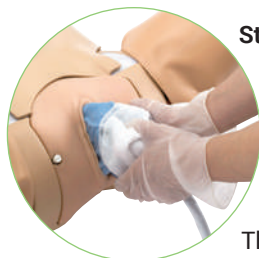
Leopold's gestures, palpation, and heartbeat monitoring (volume and rhythm can be modified by the teacher). The amniotic sac can be inserted in different ways to simulate different positions of the foetus within the womb. Additionally, the model can be used to teach breast care and breast feeding.



#### Obstetrics Module

This module can be used to practice birthing in all common birthing positions. The highly flexible vulva made of new extremely dilatable material responds very realistically, providing an ideal opportunity to practice protecting the perineum.

The foetus doll is made of soft plastic, weights 2.3 kg, and is 42 cm long. The circumference of the head is 30 cm. The doll can be used to practice the initial examination and aspiration. The highly realistic umbilical cord and placenta complete the model. The umbilical cord can be cut and the cut area can be replaced. Birth can be demonstrated in breech position realistically.



#### Stages-of-Birth Module

The stages-of-birth module can be used to keep the Bishop Score. Three different stages of the cervix and a foetal head can be inserted.

The foetal head can be placed in various positions; the cranial sutures and fontanelles are palpable. All inserts can be rotated and modified. This module was redesigned and is now made of special soft and flexible material which makes it even more realistic and natural in touch and feel.



#### Postpartum Module

Four different uterus inserts permit postpartum palpation and measurements. The module contains three normal uterus inserts (first, third, and fifth day) as well as an abnormal uterus (first day). The abdominal wall included has breasts for practicing breast care.



#### Obstetrics Module

Replaceable episiotomy inserts make it possible to teach and practice episiotomy sutures. The individual inserts can be reused repeatedly, provided the sutures are removed with due care.



## Lucy Maternal and Neonatal Birthing Simulator, Basic

Lucy Maternal and Neonatal Birthing Simulator is a simulation system designed to present the complex needs of a growing demographic with unique health and physical challenges. Creating a new level of physical realism will allow a near-human connection and enhance the immersion in training. Designed to provide a comprehensive and economical birthing experience from prenatal to postnatal delivery scenarios. This anatomically accurate birthing simulator allows students to experience realistic normal and abnormal deliveries. The quality and simple design make Lucy easy to use and care for while teaching patient techniques for all levels of educator training.

Ref.no. R13100

Details:



## Lucy Maternal and Neonatal Birthing Simulator, Complete

Additional to the Functions and Features of the Basic Lucy manikin the Complete Lucy is supplied with a complete set of blot clots and hemorrhages as well as the Newborn Nursing Skills and ASL Simulator.

**Includes all features and functions of "Basic" Lucy**  
**Additional features of package "complete":**

- ✓ Large soft rolling carry case
- ✓ Complete Set of Clots and Hemorrhages, 5 - 1 each of small blood clot, medium blood clot, large blood clot, perineal hemorrhage, and hemorrhage blood pool
- ✓ Newborn Nursing Skills and ALS Simulator - fullterm newborn (BA96)

Ref.no. R13200

Details:



## Lucy Maternal and Neonatal Birthing Simulator, Advanced

Additional to the Functions and Features of the Complete Lucy manikin the Advanced Lucy is supplied with an IV training arm, a Blood pressure training arm and a Micro-preemie Newborn Simulator.

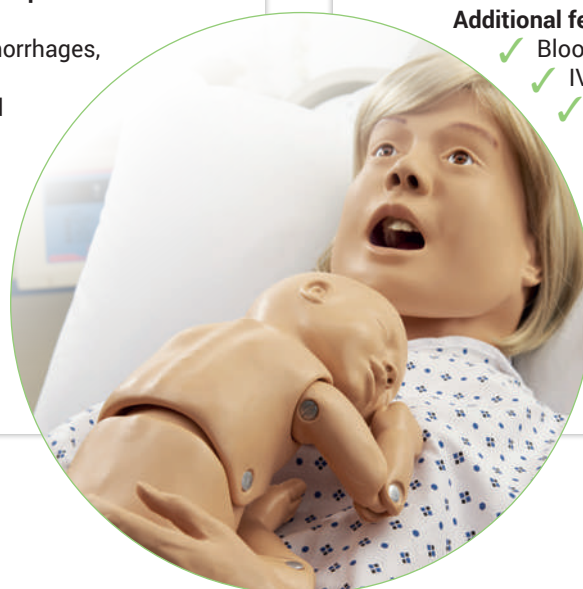
**Includes all features and functions of "Basic" Lucy**  
**Includes all features of package "complete"**

**Additional features of package "advanced":**

- ✓ Blood Pressure Arm
- ✓ IV Arm
- ✓ Micro-Preemie Simulator (BA95)

Ref.no. R13300

Details:





## Noelle Maternal and Neonatal Birthing Simulator with PEDI Blue Neonate

Designed to provide a complete birthing experience before, during, and after delivery.

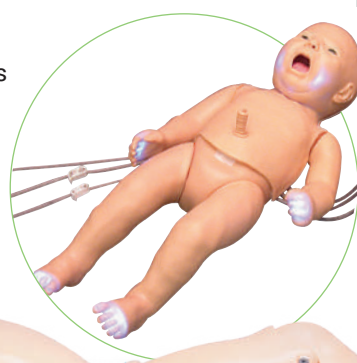
**Features:**

- ✓ articulating full-body female manikin
- ✓ intubatable airway with chest rise
- ✓ IV arm for meds/fluids
- ✓ removable stomach cover
- ✓ practice Leopold maneuvers
- ✓ multiple fetal heart sounds
- ✓ automatic birthing system
- ✓ measure head descent and cervical dilation
- ✓ multiple placenta locations
- ✓ replaceable dilating cervixes
- ✓ practice postpartum suturing on vulval inserts
- ✓ one articulating birthing baby with placenta and PEDI Blue Neonatal Simulator

Comes with PEDI® Blue Neonatal Simulator with SmartSkin™ technology. The PEDI® Blue Neonatal Simulator has the unique ability to change colour based upon an initial pre-selected condition and the effectiveness of airway ventilation and chest compression provided. A Code Blue® monitor, containing a small computer, observes ventilations and compressions and determines whether they meet or exceed conventional neonatal CPR standards. If acceptable, the monitor causes the skin to turn to a more healthy color. If ventilations and compressions are determined to be inadequate or nonexistent, the monitor causes the skin to turn toward an ominous blue color.

Ref.no. R17800

Details:



## Noelle Maternal and Neonatal Birthing Simulator

Designed to provide a complete birthing experience before, during, and after delivery.

**Features:**

- ✓ full-size articulating female manikin
- ✓ intubatable airway with chest rise
- ✓ IV arm for meds/fluids
- ✓ removable stomach cover
- ✓ practice Leopold maneuvers
- ✓ multiple foetal heart sounds
- ✓ automatic birthing system
- ✓ measure head descent and cervical dilation
- ✓ multiple placenta locations
- ✓ replaceable dilating cervixes
- ✓ one articulating birthing baby with placenta
- ✓ one resuscitation baby with intubatable airway and umbilical catheter site.

Ref.no. R17810

Details:



## Noelle Maternal Birthing Simulator

Birthing Simulator like R17810, but without the additional resuscitation baby.

Ref.no. R17815

Details:

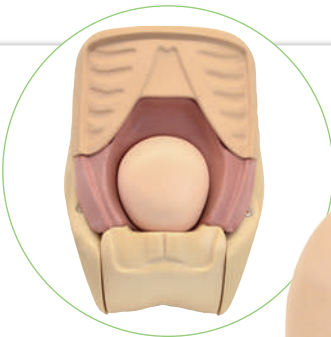


## Postnatal examination and care model

This true to life replica of a female lower abdomen allows digital examination of the regressing uterus following birth. Special synthetic material conveys a highly natural feel. Exchangeable uterus models allow differentiation of normal and abnormal regression, in addition to regression during the first week (first, third and fifth day). In addition to these examination possibilities, the model is eminently suited to practice of postnatal care. The vulva is washable and the labia and anus can be examined.

Ref.no. LM55

Details:



## Uterine Involution Assessment Simulator

This lower body provides anatomical landmarks such as symphysis, umbilicus, ribs and uterus (4 variations) and allows for training of examination of uterine involution in early puerperium. A soft and elastic abdominal wall provides lifelike haptics and allows to palpate the stage of uterine involution. The exchangeable uterine inserts show a healthy and an abnormal uterus on the first day as well as a healthy uterus on the third and on the fifth day.

Ref.no.

R16190

Details:



Ref.no. R16180

Details:



## Perineal Repair Simulator

This simulator provides the training opportunity for suturing a first-degree perineal tear. The skin is soft and flexible but strong and durable as well. The simulator allows for repeated training of suturing with single interrupted suture as well as vertical mattress suture. The simulator consists of a skin and supporting holder, an optional genital insert allows insertion into the optional birth simulator.





## Episiotomy & Perineal Laceration Trainer

This Simulator gives students the opportunity to learn and train the techniques needed to treat the most common birth injuries. The student or teacher can cut the model after his needs to simulate all kinds of episiotomies or all stages of perineal laceration and to repair them. Embedded in the model there are representations of the bulbocavernous muscle, transverse perineal muscle and external anal sphincter, which can be cut and repaired individually. The tough tissue material is held in a plastic stand. The simulator comes with tissue pad in stand, instruments in foldover case, one suture and a soft carrying case.



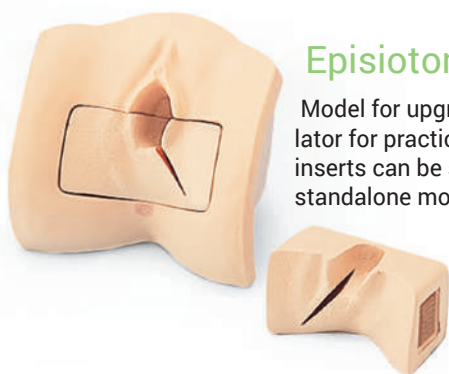
Ref.no. R10910  
Details:

Replacement soft tissue insert  
Ref.no. R10910A  
Details:

Replacement soft tissue insert, set of 3  
Ref.no. R10910B  
Details:

## Episiotomy Suture Simulator

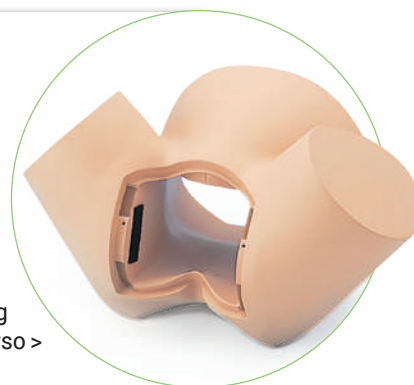
Model for upgrading LM101J and LM114. Contains a simulator for practicing episiotomy sutures. The two included inserts can be sewed again and again. Also useable as a standalone model with the optionally available lower torso.



Ref.no. LM635  
Details:

Ref.no. LM637  
Details:

Matching lower torso >



## Breast care and massage model

This replica of the breast of a puerperant corresponds to the natural conditions in terms of firmness, elasticity and mobility. The model is intended for practicing of breast care, breast massage and explanation of breastfeeding (smoothing of the breast, manipulation of milk pumps, correct application on the breast, etc.). Via the use of various special synthetic materials, this model is extremely realistic in appearance and feel. Also suitable for demonstration of lactation aids and appliances (e.g. milk pumps).



Ref.no. LM24  
Details:

## Breastfeeding simulation set

Users can take a natural breastfeeding position. By attaching the strap-on-mask to a Baby manikin, users can simulate a baby's appropriate latch.

- ✓ Users can practice a „hands-on“ approach to the support of breastfeeding.
- ✓ Users can observe and practice caring for the nipples and breasts.
- ✓ Simulation of engorgement of the breast enables users to observe the engorgement state and practice methods for alleviating engorgement.



Ref.no. LM113A  
Details:

### Premature Infant Model

The ideal model for practicing how to care for premature infants. Developed for training in incubator care. Suitable for practicing washing, cleaning, and feeding, as well as aspiration and other procedures involving equipment. The front fontanel is palpable.



**Model A:** 30 week old boy  
Size: 36 cm,  
circumference of head: 30 cm,  
Weight: 1.6 kg

Ref.no. LM62A  
Details:

**Model B:** 24 week old boy  
Size: 32 cm, circumference of head:  
24 cm, Weight: 0.7 kg. On this model,  
the head can be turned to the side.

Ref.no. LM62B  
Details:

### Micro-Premie-Simulator

The Micro-Premie manikin simulates a 25-week neonate – the smallest, most realistically proportioned. The manikin is entirely flexible and offers training opportunities for a number of commonly performed procedures. Extraordinary realism is achieved with the preemie's pose and lack of muscle tone. Invaluable for simulation training in the care and handling techniques for infants requiring multiple medical interventions at the limits of viability. Perfect for NICU, emergency medical response teams, flight medics, mock code scenarios, nursing schools, medical schools, hospitals, and family education. Simple to use for simulation, requires no specialized equipment, and is compact and highly mobile.

**Features & Functions:**

- ✓ Airway, breathing, and ventilation
- ✓ Chest tube
- ✓ Cleaning and diaper changing
- ✓ Delivery
- ✓ GI
- ✓ IV access
- ✓ Monitoring
- ✓ Neural tube defect (Myelomeningocele)
- ✓ Observation and measurement
- ✓ Scenarios
- ✓ Simulated breathing
- ✓ Skin and wound care
- ✓ Skin is very soft and lifelike
- ✓ Stoma care
- ✓ Suction
- ✓ Umbilicus with optional omphalocele
- ✓ Various monitors, sensors, electrodes, etc., can be attached to the manikin wherever needed
- ✓ Ventilation

Age: 25-week gestation, length: 30 cm from head to heel, hand-to-hand, width: 22 cm, head circumference: 23 cm, head depth: 8 cm, shoulder-to-shoulder width: 10 cm, stomach circumference: 22 cm, toe-to-toe width: 15 cm, torso depth: 5 cm, weight: 0.91 kg.



Ref.no. BA95  
Details:







## Infant with extremely low birth weight (ELBW)

This manikin represents a male infant of 26-29 weeks gestational with 900g weight. It provides training opportunities for nursing and emergency.

Features:

### Nursing procedures

- ✓ Positioning, hygiene in an incubator (not for bathing practice)
- ✓ Assessment and measurements of the body
- ✓ Inserting a urine catheter
- ✓ OG and NG tube insertion, airways suction
- ✓ Nasal CPAP ventilation

### Reanimation

- ✓ Endotracheal intubation, training of Airway Management with realistic anatomy including Bronchi
- ✓ Bag-Mask-Ventilation
- ✓ Chest compressions



Ref.no. R16130

Details:



## Newborn Care- and Emergency Manikin

This manikin provides everything for basic care and emergency care of a newborn. The full body manikin has airways with esophagus, bronchi and lungs as well as an umbilical cord. It can also be used to practice chest compressions.

Features:

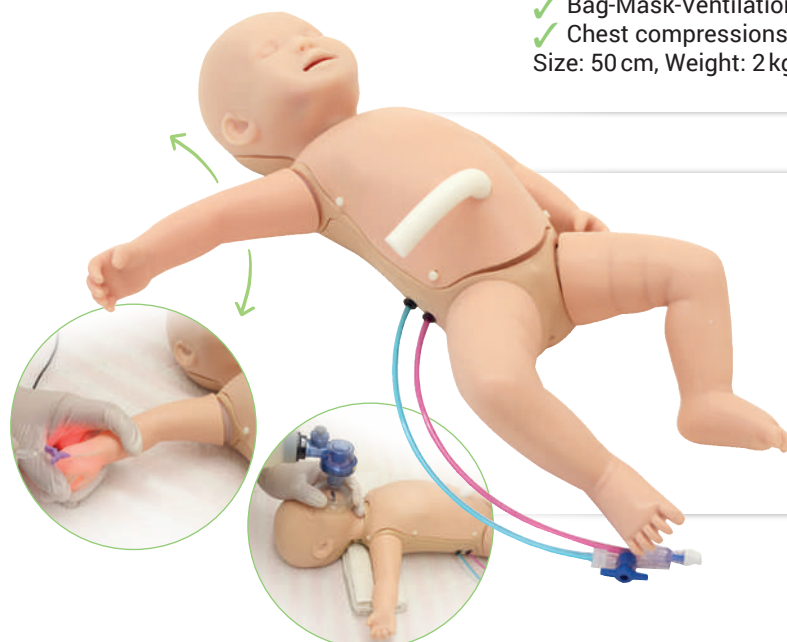
- ✓ Full body manikin of a four week old newborn
- ✓ Basic neonatal care
- ✓ Positioning, hygiene (not for bathing practice)
- ✓ Palpation of the anterior fontanel
- ✓ Clamping, tying and cutting of the umbilical cord and care.
- ✓ Functional umbilical cord for catheterization and blood sampling
- ✓ Tube feeding (nasal and oral), confirmation of position by auscultation

### Reanimation

- ✓ Endotracheal intubation, training of Airway Management with realistic anatomy with bronchi, allowing for confirmation of unilateral ventilation.
  - ✓ Bag-Mask-Ventilation
  - ✓ Chest compressions
- Size: 50 cm, Weight: 2 kg

Ref.no. R16120

Details:



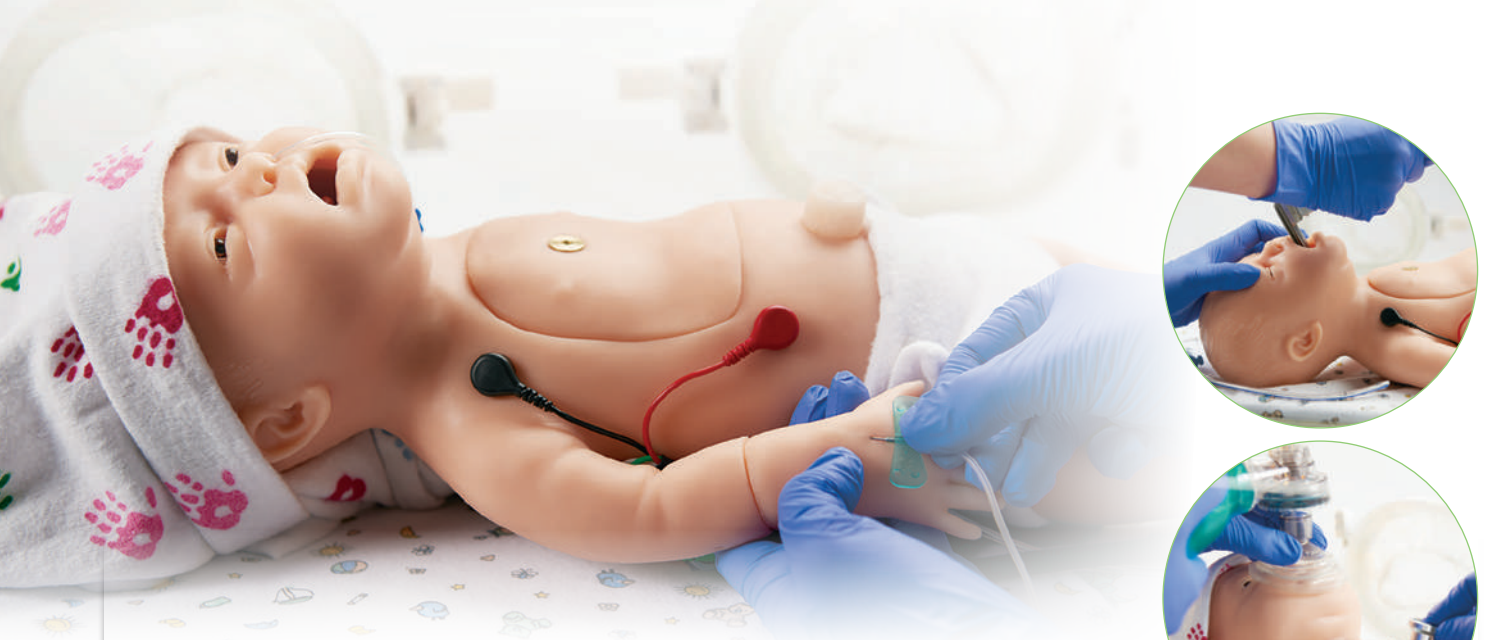
## Newborn Care- and Emergency Manikin „Plus II“

This manikin provides all features of the Newborn Care- and Emergency Manikin R16120 plus a functional injection training arm.

Ref.no. R16125

Details:





## Baby C.H.A.R.L.I.E. Neonatal Resuscitation Simulator with ECG

Baby CHARLIE was designed to satisfy all training needs of the Neonate Resuscitation Program, 7th Edition by the American Academy of Pediatrics. C: Compressions, Cardiac H: Heat compatible A: Airway, Arterial access via the umbilicus R: Resuscitation L: Laryngeal mask capable for oxygen use or PPV I: Intravenous, Intraosseous, Intubation E: ECG (EKG)

### Features

- ✓ Airway, breathing, intubation, and ventilation
- ✓ Birth anomalies
- ✓ Chest tube placement
- ✓ CPR
- ✓ ECG simulation
- ✓ Gastrointestinal (GI) tube
- ✓ Interchangeable genitalia
- ✓ Intraosseous infusion
- ✓ IV hand and foot
- ✓ Observation and measurement
- ✓ Palpable manual pulse points in 7 locations
- ✓ Patent umbilicus with venous and arterial access
- ✓ PICC site in arm
- ✓ Urinary catheterization

### Interactive ECG Simulator

- ✓ Defibrillation shock can be delivered through manikin or simulator
- ✓ Connect defibrillator/external pacer to simulator using adapters
- ✓ Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- ✓ Convert feature
- ✓ Select another rhythm to run immediately after defib discharge
- ✓ Pacing can be done on any manufacturer's defibrillator
- ✓ 6 waveforms
- ✓ 17 adult/pediatric rhythms

Ref.no. BA97

Details:



## Baby C.H.A.R.L.I.E. Neonatal Resuscitation Simulator without ECG

You do not need the ECG and defibrillation function? This product offers all functions of Baby C.H.A.R.L.I.E. but without the interactive ECG simulator.

Ref.no. BA97-1

Details:



## Newborn Nursing Skills and ALS Simulator

This training model was developed to meet the objectives of the Neonatal Resuscitation Program's course curriculum published by the American Academy of Pediatrics. It offers multiple training opportunities:

- ✓ Airway, Breathing, and Ventilation
- ✓ Birth Anomalies
- ✓ Chest Tube
- ✓ Cleaning and Diaper Changing
- ✓ Gastrointestinal (GI)
- ✓ Monitoring
- ✓ Observation and Measurement
- ✓ Scenarios
- ✓ Skin
- ✓ Suction
- ✓ Umbilicus
- ✓ Venous Access



Size: 48 cm (crown to heel),  
Weight: 3,4 kg,  
Head circumference: 36,8 cm

Ref.no. BA96

Details:





## Nursing Newborn

Our newborn looks just like a 0-8 week old baby. The chubby face and body with beautifully detailed tiny, soft hands and feet make you want to hold and care for this addition to our family of pediatric and adult advanced patient care simulators.

### It has the following features:

- ✓ Soft and flexible face skin, molded hair
- ✓ Realistic eyes, simulated ear canal
- ✓ NG exercises to demonstrate tube feeding and gastric suction
- ✓ Soft arms and legs rotate within the torso body for lifelike feel and position
- ✓ Soft hands, feet, fingers, and toes
- ✓ Heel stick and finger prick technique
- ✓ Soft upper body skin over torso for "babylike" feel
- ✓ Bathing and bandaging activity
- ✓ Intramuscular injection in upper thigh
- ✓ Male and female catheterization
- ✓ Interchangeable male organ
- ✓ Urethral passage and bladder
- ✓ removable internal tanks
- ✓ Enema administration
- ✓ T-shirt and diapers
- ✓ Soft carrying bag



Available options (not upgradeable later):

Ref.no. R17700  
Details:

Stoma sites with reservoirs  
Ref.no. R17700-3  
Details:

Intravenous Training arm  
Ref.no. R17700-1  
Details:

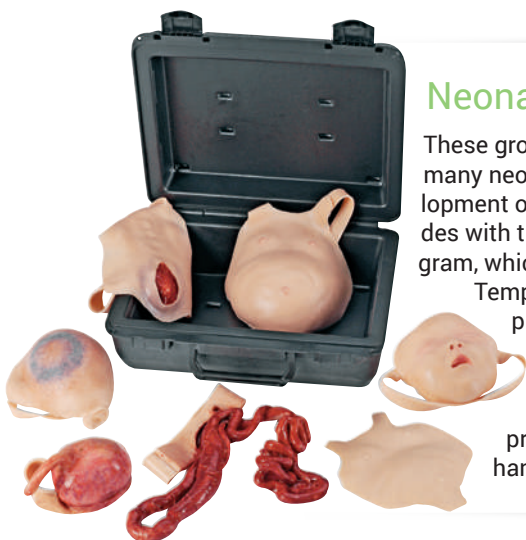
Umbilical catheterisation  
Ref.no. R17700-4  
Details:

Intraosseous leg  
Ref.no. R17700-2  
Details:

Temporal venous access site  
Ref.no. R17700-5  
Details:

## Neonatal Wound Kit

These gross abnormalities fits many neonate manikins. Development of each wound coincides with the S.T.A.B.L.E. program, which consists of Sugar, Temperature, Airway, Blood pressure, Lab work, and Emotional support. Each wound's lifelike detail encourages the proper treatment and handling of the infant.



### Included in the kit are the following abnormalities:

- ✓ Abdominal Distention, Gross
  - ✓ Abdominal Distention, Moderate
  - ✓ Gastroschisis
  - ✓ Myelomeningocele
  - ✓ Omphalocele
  - ✓ Slack Face
  - ✓ Subgaleal Hemorrhage
- Comes in a hard carry case.



Ref.no. R11019  
Details:

## Special needs Infant

This newborn-size infant allows to teach vital medical procedures for special needs infants. The Special Needs Infant was developed for a wide range of educational training, including beginning nursing students. Carrying bag included.

### Procedures that can be practiced include:

- ✓ Tracheostomy care (placement and suctioning) - size 3 mm
  - ✓ Gastrostomy care (lavage and gavage) - size 14 FR
  - ✓ Nasogastric care (placement, lavage, gavage, and suctioning) - size 8 FR or smaller
  - ✓ Urethra catheterization (insertion, placement, and care) - size 8 FR
  - ✓ Colostomy stoma (basic care purposes only)
- Other general cares that may be practiced include bathing, diapering, and various dressing changes.

Male version  
Ref.no. BA85  
Details:

Female version  
Ref.no. BA86  
Details:





## Neonate doll for nappy practice

This model of a neonate is a true to life replica, but nevertheless highly economically priced. It is therefore eminently suited to group training (bathing and nappy practice). Mobile joints allow all the main exercises in infant care. Size: 50 cm, Weight: 1.2 kg.

**Male version**  
Ref.no. BA72



**Female version**  
Ref.no. BA73



**Female version, Dark Skin colour**  
Ref.no. BA82



**Female version, Dark Skin colour**  
Ref.no. BA83



## Parent Education Baby

This Newborn baby doll can be used for nappy practice and baby care courses for parents. The movable doll can be used for holding and carrying practice, practice of navel care, skin care and nappy practice. The model weighs appr. 1.2 kg, but feels a little heavier because of missing body tension in comparison with a real baby. It has a slightly open mouth and can be used for breastfeeding practice. A stump of the umbilical cord is present to allow navel care practice. Skin folds allow training of proper body hygiene. Head, arms and legs are movable. White Skin, Size: approx. 50 cm.



**Light Skin**

**Male version 1,2 kg**  
Ref.no. BA77



**Male version 2,4 kg**  
Ref.no. BA77-1 (not pictured)



**Female version 1,2 kg**  
Ref.no. BA78



**Female version 2,4 kg**  
Ref.no. BA78-1 (not pictured)



**Dark Skin**

**Male version 1,2 kg**  
Ref.no. BA87



**Male version 2,4 kg**  
Ref.no. BA87-1 (not pictured)



**Female version 1,2 kg**  
Ref.no. BA88 (not pictured)



**Female version 2,4 kg**  
Ref.no. BA88-1 (not pictured)



## Neonate doll for Physiotherapy

For the special needs of physiotherapists this doll is manufactured with a cloth body to allow all kind of movements. This model is perfect to instruct parents how to do Vojta or Bobath exercises. Color of clothes may vary. Size: 48 cm, Weight: 0.7 kg.

Ref.no. BA75





## Baby care doll, male

A highly realistic replica of a neonate. The skin feels very natural via the use of a special synthetic material. Weighting corresponds to the normal conditions. The anterior and posterior fontanels in addition to the acute and sagittal sutures are carefully reproduced and palpable. The head tips backwards when not held correctly. The vertebral column and the mobile testicles are palpable. The nasal cavity, oral cavity and stomach can be aspirated. Measurement of body temperature can be practised in the 5 cm deep anal canal. Owing to the completely stitch-free manufacture, the model is absolutely watertight and can be safely used for bathing practice. The residual umbilical cord allows demonstration and practice of umbilical care and can be simply removed. Use for demonstration of physiotherapeutic exercises (Vojta, Bobath) is very readily possible owing to the flexible arms and legs. General examinations, such as measurements for example, can of course be performed. Putting on nappies and dressing can also be practised. Supplied in a storage bag. Size: 48 cm, head circumference: 33 cm, weight: 3 kg.



## Baby-care doll, female

This doll offers the same characteristics as LM26M and is suitable additionally for practising breastfeeding and urine sampling. The mouth is open and the oral cavity and urethra are connected with one another. Supplied in a storage bag. Size: 48 cm, Head circumference: 33 cm, Weight: 3 kg.



Ref.no. LM26M

Details:



Ref.no. LM26G

Details:



## Bathing Babies, male or female

The dolls are made of soft, flexible plastic material and give a lifelike impression in touch and handling. Due to the seamless design of the dolls they are ideal for bathing practice. The soft material allows a natural range of motion, the head falls backwards if not supported. The fontanels are palpable; a removable umbilical cord is present for umbilical cord care practice. Additional to bathing and clothing training these dolls are suitable for feeding, hygiene and temperature measurement practice. The dolls are lifelike in weight and size and represent a 0 to 4 weeks old newborn. Size: 50 cm, Head circumference: 33 cm, Weight: 3 kg.

Male Model

Ref.no. R16210-1

Details:



Female Model

Ref.no. R16210-2

Details:





Complete Set including:  
 Nursing Baby, SimPad capable, SimPad Plus, LLEAP Software, Monitoring Software, Product training on site including technical setup

## Nursing Baby Nursing manikin

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

### Product benefits:

- ✓ Educationally effective for training of in-hospital infant skills
- ✓ Effective education in the special care of infant patients
- ✓ Economical and educationally efficient skills and scenario based trainer for care and management of a variety of common and uncommon in-hospital infant patients in multiple clinical settings and hospital transport
- ✓ Durable, rugged and lifelike; made to withstand years of use

### Product features:

- ✓ Normal, bulging and depressed fontanelles for assessment and diagnosis
- ✓ Head with anatomical landmarks, trachea and esophagus along with simulated lungs and stomach allow the practice of many procedures, including NG, OG, tracheal care and suctioning
- ✓ Bilateral deltoid and bilateral thigh intramuscular injections are possible
- ✓ Articulating IV arm and IV leg allows for practice

of IV cannulation, medication administration, site care and maintenance

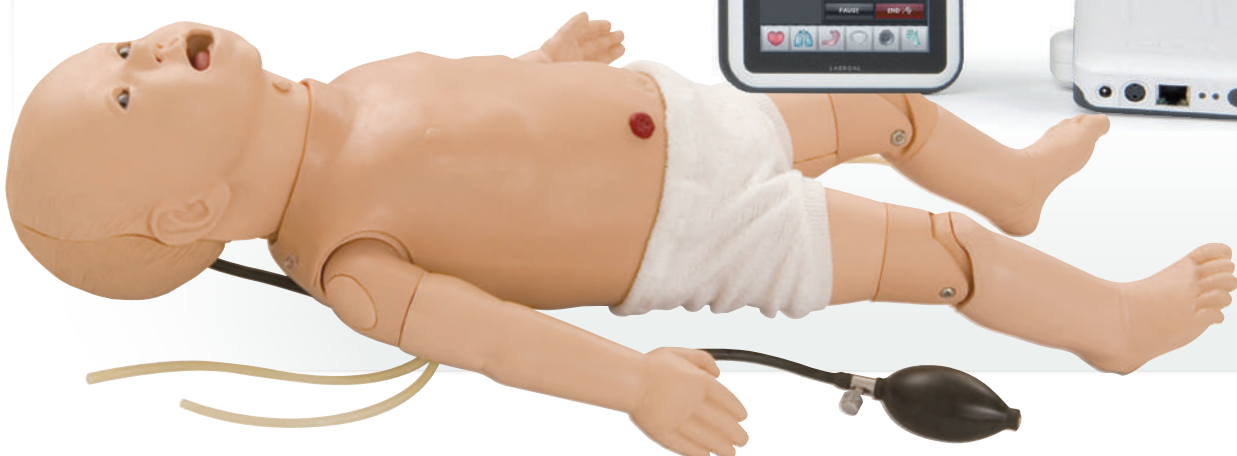
- ✓ Medication and fluid administration through intraosseous infusion allowed via tibia access with landmarks at the tibial tuberosity and medial malleolus
- ✓ Gastrostomy tube opening for care and feeding
- ✓ Interchangeable genitalia allows for urinary catheterization with fluid return, rectal temperature simulation, and administration of suppositories

### SimPad™ Controller:

- ✓ Pre-programmed scenarios provide standardized training while customizable scenarios and real time instructor control allows adaptation to meet individual students needs
- ✓ Presents normal and abnormal heart, breath, and bowel sounds for auscultation.

Ref.no. P135

Details:







## Infant-nursing doll

Female infant (6–8 months) for care assistant training. This model is manufactured from a special synthetic material, allowing an extraordinary practice experience. The flexible, soft skin is seamlessly sealed and no liquid can therefore penetrate. The model offers the following practice opportunities: correct holding and carrying, physiotherapeutic exercises, feeding, breast-feeding, bathing, hair washing, measuring, weighing, preventative examinations, temperature measurement, blood pressure measurement, insertion of a gastric tube, aspiration of the oral and nasal cavities, attachment for blood sampling or spinal anesthesia.

Ref.no. LM52

Details:



## One Year Pediatric Care Simulator

This nursing manikin has the following features:

- ✓ Soft, childlike face skin, self-molded hair
- ✓ Eyes open and close in realistic eye sockets for ophthalmic procedures
- ✓ Fully articulating head and jaw with teeth and tongue
- ✓ NG and otic exercises
- ✓ Bends at waist as in human, jointed elbows and knees
- ✓ Realistic hands, feet, fingers, and toes
- ✓ Soft upper body skin over hard upper body for realistic feel
- ✓ Detachable at waist for easy storage
- ✓ Bathing and bandaging activity
- ✓ Intramuscular injection sites in left and right upper thighs
- ✓ Interchangeable male organ
- ✓ Tracheotomy opening
- ✓ Male and female catheterization
- ✓ Removable internal tanks, Enema administration
- ✓ Neck brace, T-shirt and shorts, soft carrying bag.



Ref.no. R17710

Details:



Available options (not upgradeable):

Injection training arm

Ref.no. R17710-1

Details:



Site specific heart and lung sounds

Ref.no. R17710-2

Details:



Intraosseous infusion system

Ref.no. R17710-3

Details:



External stoma sites

Ref.no. R17710-4

Details:



## Five Year Pediatric Care Simulator

The five year old is a sophisticated pediatric simulator for training in standard and advanced clinical procedures. This simulator is now available with optional site specific heart and lung sounds.

Product features:

- ✓ Soft, lifelike faceskin, self-molded hair
- ✓ Eyes open and close in realistic eyesockets for ophthalmic procedures
- ✓ Fully articulating head and jaw with teeth and tongue
- ✓ NG and otic exercises
- ✓ Bends at waist as in human, jointed elbows, wrists, knees and ankles
- ✓ Realistic hands, feet, fingers and toes
- ✓ Soft upper body skin over hard upper body for realistic feel
- ✓ Intramuscular injection sites in deltoid and upper thigh
- ✓ Removable internal tanks, enema administration
- ✓ Detachable at waist for easy storage, bathing and bandaging activity
- ✓ Interchangeable male organ, male and female catheterization
- ✓ Tracheotomy opening
- ✓ T-shirt and shorts, neck brace, soft carrying bag, instruction manual



Ref.no. R17720

Details:



Available options (not upgradeable):

Training arm and hand for intravenous, intramuscular, and subcutaneous access

Ref.no. R17720-1

Details:



Site Specific Heart and Lung Sounds kit with Stethoscope

Ref.no. R17720-2

Details:



Intraosseous infusion system

Ref.no. R17720-3

Details:



External stoma sites with internal tanks

Ref.no. R17720-4

Details:



## Pediatric Patient care doll

This model of a 6 year old child is perfect for nurse education or home care practice.



### It features:

- ✓ Positioning and patient handling
  - ✓ Airway suction orally, nasal or through tracheostomy opening
  - ✓ Percutaneous Endoscopic Gastroscopy, PEG care
  - ✓ Feeding tube management
  - ✓ Injection intramuscular and intravenous
  - ✓ Male and female catheterisation
- The model is movable and able to sit without support. A section model for airway explanation is included. Size: 125 cm.

Ref.no. R16601

Details:



## Nursing Kid training manikin

Nursing Kid is a training manikin realistically representing a six-year old child. It is designed for skill and scenario based training of the care and management of a variety of pediatric in-hospital patients. Training includes sound auscultation (optional), IV cannulation, urinary catheterization, and general pediatric patient care. This child is ideal for clinical training in core pediatric in-hospital clinical skills.

### Product benefits:

- ✓ Delivers education efficiently, targeting key skills specific to pediatric care providers
- ✓ Durable, rugged and lifelike; made to withstand years of use
- ✓ Highly mobile for use in multiple clinical settings and hospital transport
- ✓ Efficient training care and management of a variety of both common and uncommon in-hospital pediatric patients including wound assessment and care, first aid, and child abuse training

### Product features:

- ✓ Head with anatomical landmarks, trachea, and esophagus along with simulated lungs and stomach allow the practice of many procedures, including NG, OG, tracheal care and suctioning, and insertion, securing and care of endotracheal tubes



- ✓ Bilateral deltoid, bilateral thigh, gluteal intramuscular injections possible
- ✓ Articulating IV arm allows for practice of IV cannulation, medication administration and site care and maintenance
- ✓ Exchangeable male and female organs for Catheterization training
- ✓ Enema administration

### SimPad™ Controller:

- ✓ Pre-programmed scenarios provide standardized training while customizable scenarios and real time instructor control allows adaptation to meet individual students needs
- ✓ Presents normal and abnormal heart, breath, and bowel sounds for auscultation

Ref.no. P155

Details:



**Complete Set including:**  
 Nursing Kid,  
 SimPad capable, SimPad Plus,  
 LLEAP Software,  
 Monitoring Software,  
 Product training  
 on site including  
 technical setup



## Infant Hip Sonography Training Phantom

This is the world's first training phantom with ultrasound anatomy of a 6-week-old infant and it expands training opportunities for pediatricians, radiologists and orthopedists.

Before working on real infants, trainees can repetitively practice on this phantom to become familiar with the examination procedures and key points.

Using real ultrasound devices, trainees can learn

key ultrasound landmarks to identify standard plane for Graf's classification. This is a foundation to acquire skills in handling and positioning of the baby as well as correct positioning of the transducer. The life-size full body manikin has movable arms that allows for realistic training in supporting and changing the position of the infant while interacting with his/her guardian.



### Training Skills:

- ✓ Setting and preparation for hip sonography
- ✓ Changing the position of the infant
- ✓ Communication and interaction with the infant's guardian
- ✓ Correct positioning and use of the transducer
- ✓ Recognition of ultrasonic landmarks for hip sonography
- ✓ Visualization of standard, anterior and posterior planes
- ✓ Interpretation and morphological classification of the sonogram

Ref.no. R16609

Details:



### Features / Anatomie:

- ✓ World exclusive training model for hip sonography on a full body manikin of 6-week-old infant
- ✓ Bilateral hips for examination Key landmarks that can be recognized under ultrasound include: chondro-osseous junction (bony part of femoral neck), femoral head, synovial fold, joint capsule, labrum, hyaline cartilage

preformed acetabular roof, bony part of acetabular roof, bony rim (check list I), lower limb of os ilium, correct plane, labrum (check list II).

- ✓ Facilitate anatomical understanding
- ✓ The full body manikin with movable arms allows training in supporting and changing the position of the infant.

## 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

Ref.no. R10104

Details:



## Nursing Manikin, Standard Version

This doll offers training in a variety of clinical procedures. The external appearance of the model is female. Attachment of the male genitals, however, converts the manikin into a male model.

**The manikin has the following features:**

- ✓ Douching and pap smear exercises
- ✓ Enema administration
- ✓ Head supplied with wig for combing, shampooing, and head draping exercises
- ✓ Injection site on buttock for intramuscular injection
- ✓ Injection sites on left and right arm for intramuscular and subcutaneous injections

- ✓ Instruction in complete intestinal lavage with stomas connected to internal reservoir system
- ✓ Instruction in gastrostomy, ileostomy, and transverse colostomy management
- ✓ Interchangeable male and female organs for urinary catheterization
- ✓ Otic, nasal, tracheotomy, and gastrostomy openings and connections for ear syringing, gastric suction, and tracheotomy exercises
- ✓ Removable dentures
- ✓ Separated fingers and toes for bandaging exercises
- ✓ Separately inserted eyes for administration of orbital medications, removal of foreign bodies, and eye irrigation
- ✓ Suprapubic stoma management and drainage



The joints are strong and movements lifelike, even to the extent of permitting pronation and supination of the forearm.



Ref.no. R17600



## Nursing manikin, Basic Version

This version comes without internal tanks and without male genital. Made for training of basic nursing like positioning, washing exercises and dressing.

Ref.no. R17610



**Additional Options:**

Advanced IV training arm with subtle venous network

Ref.no. R17600B



Amputation stump for bandaging

Ref.no. R17600D



Transport bag for manikin

Ref.no. P98



## "Senior" head cover for elderly care

This head cover can simply be pulled over the head of the Standard, Basic, Clinical Chloe or the advanced Clinical Chloe nursing doll and transforms the normal nursing doll into a doll with a geriatric appearance. The soft skin looks lifelike and feels realistic. The mouth, nose, ears and tracheostomy opening are accessible so that the doll's functions are fully preserved. The mask has a zipper on the back of the head so that it can be attached and removed without much effort.

Ref.no. PW100





## Clinical *Chloe* Patient Care Simulator

Sophisticated simulators for training in clinical nursing procedures. A variety of exercises may be performed, from simple bandaging and general patient care to breast palpation, catheterization, ostomy management, injection training, and cervical examination.

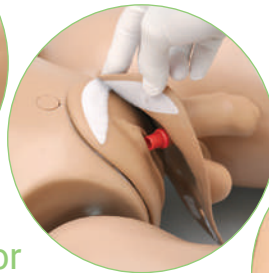
**Features include:**

- ✓ Articulating head, jaw, elbows, wrists, ankles, and knees
- ✓ Bathing and bandaging activity
- ✓ Bends and detaches at waist for easy storage
- ✓ Breast palpation capability with one abnormal breast
- ✓ Interchangeable male and female breast inserts
- ✓ Detachable and removable internal tanks
- ✓ Enema administration capability

- ✓ Interchangeable male and female organs
- ✓ Intramuscular injection sites in arm, thighs, and buttock
- ✓ Latch provides secure seal between ostomies and internal tanks
- ✓ Nasal and oral tube placement
- ✓ Neck brace
- ✓ NG and OG tube feeding and gastric suction
- ✓ Opening for gastrostomy
- ✓ Realistic eyes for ophthalmic exercises
- ✓ Realistic urethral passage and bladder for catheterization exercises
- ✓ Simulated ear canal for otic drops and irrigation
- ✓ Soft, realistic face skin, hands, feet, fingers, and toes
- ✓ Stylish wig for hair care exercises and surgical draping
- ✓ Tracheotomy placement
- ✓ Transverse colostomy, ileostomy, and suprapubic stomas, to practice irrigation
- ✓ Upper and lower dentures for oral hygiene
- ✓ Vaginal douching and pap smear exercises with realistic vagina and cervix

Ref.no. R17625

Details:



## Advanced Clinical *Chloe* Patient Care Simulator

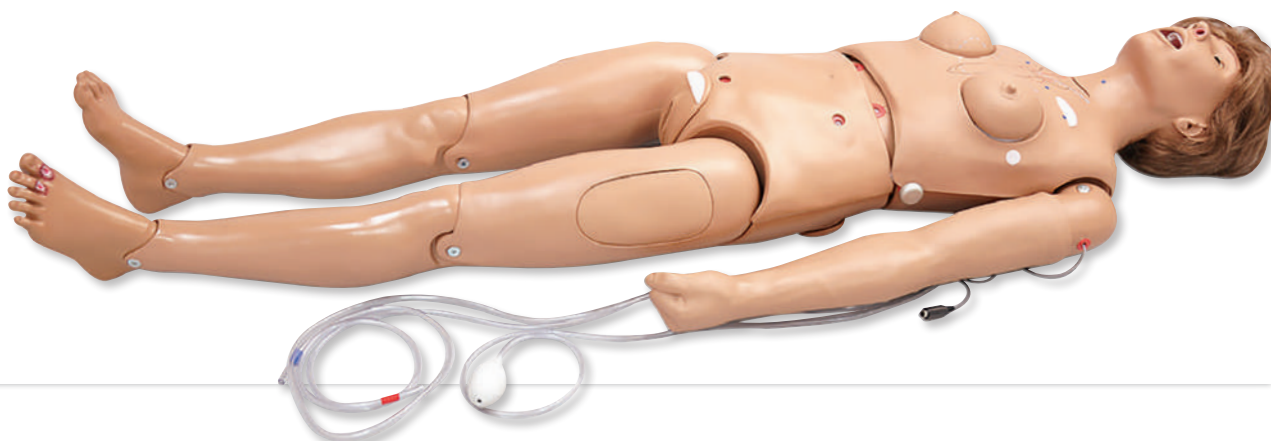
Take nursing training to a whole new level! Simulator allows you to monitor and log compressions and ventilations with Omni Code Blue pack that can be connected to any computer for CPR logging and feedback (monitor and computer not included). The manikin has the following

**features:**

- ✓ General Patient Care
- ✓ Breast Palpation
- ✓ CPR with monitoring
- ✓ Airway
- ✓ Injection Training
- ✓ GYN Training

Ref.no. R17650

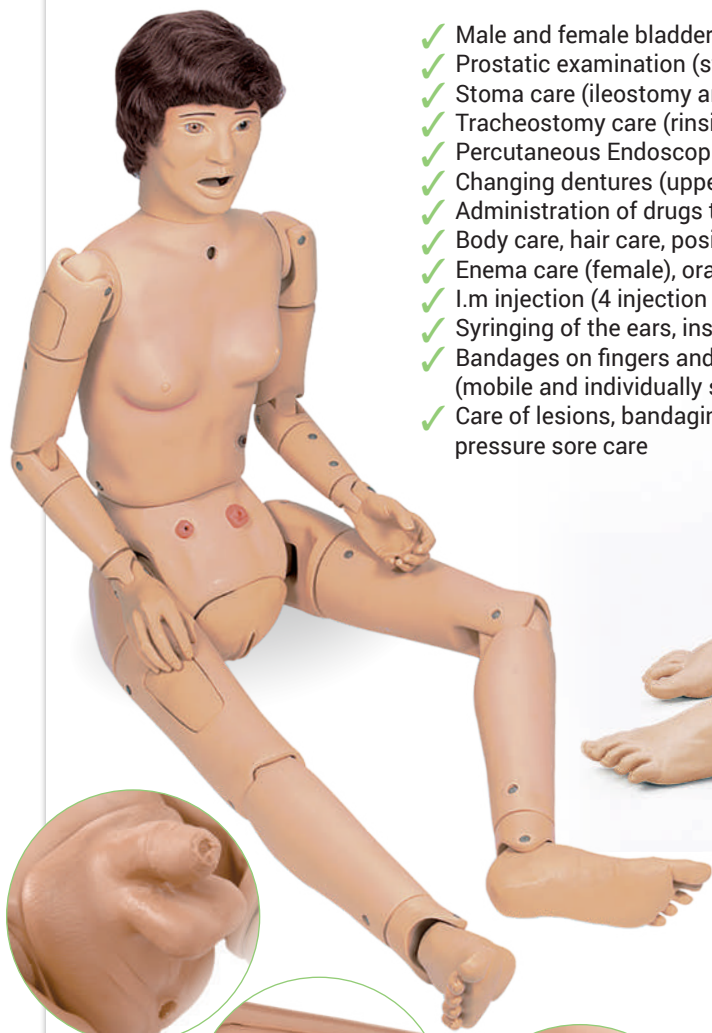
Details:



## Keri nursing care doll & Geri geriatric care doll

This highly realistic care dolls find their uses specifically in nursing and geriatric care. This dolls are characterised particularly by the very high mobility and the extremely true to life imitation of the face, hands and feet. **These models offer the following equipment and practising possibilities:**

- ✓ Male and female bladder catheterisation
- ✓ Prostatic examination (stage B)
- ✓ Stoma care (ileostomy and colostomy)
- ✓ Tracheostomy care (rinsing and aspiration)
- ✓ Percutaneous Endoscopic Gastroscopy PEG care
- ✓ Changing dentures (upper and lower mandible)
- ✓ Administration of drugs to the eye
- ✓ Body care, hair care, positioning methods
- ✓ Enema care (female), oral and nasal douches
- ✓ I.m injection (4 injection sites), oral hygiene
- ✓ Syringing of the ears, insertion of hearing aids
- ✓ Bandages on fingers and toes (mobile and individually shaped)
- ✓ Care of lesions, bandaging practice, pressure sore care



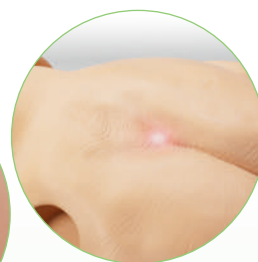
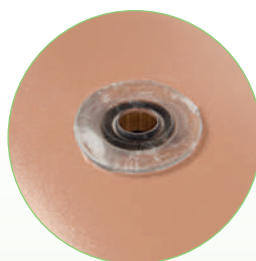
**Geri geriatric care doll**  
Geriatric manikin

Ref.no. LF4001



**Keri nursing care doll**  
Adult manikin

Ref.no. LF4020



### Available Accessories for GERI & KERI

#### Arm for intravenous injection

Ref.no. LF4001-1



#### Edema foot with deep tissue injury

Ref.no. LF4084



#### Blood pressure measurement arm

Ref.no. LF4001-2



#### Pressure Ulcer Foot

Ref.no. LF4041





## Nursing Doll *Keiko*

This nursing doll offers all training opportunities for patient care and has soft limbs with invisible joints at knee, ankle, elbow and wrist. The model has a high quality finish and is sturdy.

**The complete training opportunities include:**

- ✓ General patient positioning, re-positioning, assistance for getting up and for wheelchair access.
- ✓ Decubitus care (heel, great trochanter, sacrum and shoulder)
- ✓ Dressing and undressing, hair care (wig), postmortem care
- ✓ Passive physiotherapy, body hygiene, washing, nappy change, skin care
- ✓ Oral and dental hygiene
- ✓ Gastric probe insertion, PEG, attachment of stoma bag
- ✓ Nasotracheal intubation (Tube insertion)
- ✓ Airway suctioning, tracheostomy care / tube change, oxygen inhalation
- ✓ CVC care / explanation
- ✓ Catheterization male / female (without liquid)
- ✓ Enema insertion (without liquid), suppository insertion



Ref.no. R16500  
Details:

The model is first class processed and extremely robust. It is perfect for daily use in schools.

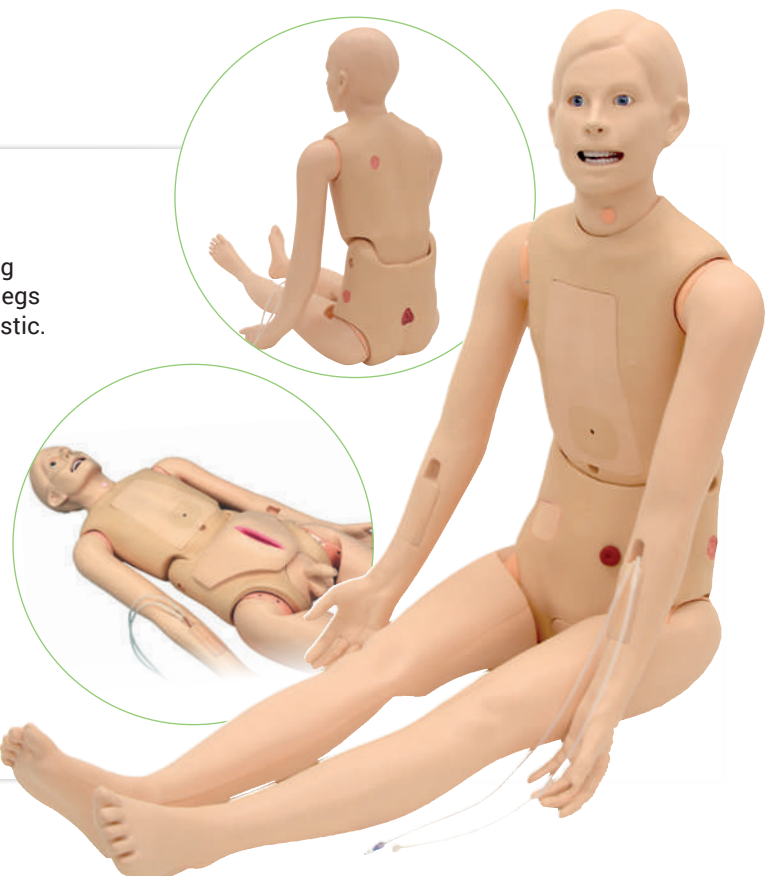


## Patient care manikin *Cherry*

This Nursing manikin offers all essential training opportunities for nursing education. Arms and legs are soft and seamless and due to this very realistic. The manikin has the following features:

- ✓ Patient handling, basic nursing techniques
- ✓ IV, IM and subcutaneous injection
- ✓ Stoma care, tracheostomy care
- ✓ Care of decubitus ulcers, different stages
- ✓ Nasogastric and orogastric tube, PEG
- ✓ Care for CVC and PICC routes
- ✓ Urinary catheterization male and female
- ✓ Wound care of a surgical wound

Ref.no. R16225  
Details:





## Patient Care Simulator *Yaye*

With its various patient settings and range of training features, „Yaye“ brings uninterrupted training flow in community care and in-hospital procedures. Featuring more than 40 training skills, „Yaye“ serves an array of trainees from students to experienced nurses.

### Features:

- ✓ Tube Feeding (oral/nasal), Stomach pumping
- ✓ Urinary catheterization female
- ✓ Stoma care, Tracheotomy care
- ✓ Enema, bowel irrigation, bedpan practice, suppository administration
- ✓ TPN care
- ✓ Body Positioning, passive exercise, wheelchair transfer, bed bathing
- ✓ Oral care, Hair care (shampooing, brushing, blow-drying)
- ✓ Change of clothes, postmortem care
- ✓ Intimate hygiene, vaginal douche
- ✓ Airway suction, intubation assistance, airway management, oxygen inhalation
- ✓ Postural drainage
- ✓ Pressure sore care (decubitus ulcer stage 4 on back, unstageable on heel)
- ✓ Bandaging
- ✓ Subcutaneous injection, im injection, iv injection and infusion (left median vein, left hand dorsal vein)
- ✓ Chest compression
- ✓ Assessment of chest and abdomen (Observation, palpation, percussion)

Ref.no. R16228

Details:



### Available accessories:

Face Skin, old person

Ref.no. R16228-1

Details:



Grey wig

Ref.no. R16228-2

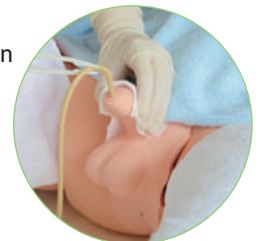
Details:



Male genital for bladder catheterization

Ref.no. R16228-3

Details:





## Nursing manikin *Anne*

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.

### Product benefits:

- ✓ Educationally effective for in-hospital training targeting key skills for in-hospital care including women's health, obstetrics, post-partum care, wound assessment and care, and general patient care
- ✓ Economical and educationally efficient skills and scenario based trainer
- ✓ Durable, rugged and lifelike; made to withstand years of use
- ✓ Flexible manikin platform allows multiple accessory modules to be added for use in multiple clinical settings

### Product features:

- ✓ Head with anatomical landmarks, can be used for ear or eye irrigation, application of medication in eye, ear, nose, as well as mouth and tooth care.
- ✓ Manually operated carotid pulse
- ✓ Trachea and esophagus with simulated lungs and stomach allow the practice of many procedures, including NG, OG, tracheal care and suctioning
- ✓ Different procedures for oxygen administration
- ✓ Stomach lavage
- ✓ Articulating IV arm allows for practice of IV cannulation, medication administration, and site care and maintenance



- ✓ Practice medication dose calculations and administration through intramuscular injections at the deltoid, gluteal, ventrogluteal, and thigh sites
- ✓ Exchangeable belly covers with colostomy and ileostomy, access for suprapubic catheters
- ✓ Exchangeable male and female genitals for catheterization
- ✓ Enema practice

### With SimPad Controller:

- ✓ Pre-programmed scenarios provide standardized training while customizable scenarios and real time instructor control allows adaptation to meet individual students needs
- ✓ Normal and abnormal heart, breath, and bowel sounds and fetal heart tones for auscultation
- ✓ 1400+ rhythm variants for ECG interpretation using standard clinical monitors
- ✓ Instructor-controlled blood pressure arm allows for realistic palpation and auscultation. Systolic and diastolic pressures, auscultatory gap, and volume are variable

Complete Bundle including:  
 Nursing Anne manikin, SimPad Plus System complete, LLEAP License as well as training session on site and 3 VILT sessions. Includes Monitoring software Windows.



Ref.no. P160  
 Details:



Patient - Monitor - Software



SimPad Plus



### Available options:

Breast examination module

Ref.no. P150-1



Mastectomy module

Ref.no. P150-2



Fundus module

Ref.no. P150-3



Wound assessment and care module

Ref.no. P150-4



## Teri Androgynous Geriatric Trainer

A comprehensive male/female elderly patient care trainer for medical simulation. Evolving from the GERi/KERi full body manikins, it has a more realistic look and feel accurately representing the human anatomy. Weight is distributed to represent a real patient for lifting and carrying:

### Passive Range of Motion:

Seating, Laying, Finger/Toe manipulation with no effort from Patient.

### Cardiovascular Support:

Carotid Pulses, CPR with Quality Performance Metrics & Auscultation.

### Intravenous Injection, Subcutaneous Injection Sites:

Multiple locations equipped with standard arm, IM injection pads.

### Nasogastric Tube Procedures:

Placement, Lavage, Gavage, Feeding and Suctioning.

### Enhanced Aesthetics:

soft silicone skin with noticeable normal and cancerous skin moles, Stage 1 sacral ulcer and reddened skin folds.

### Respiratory Support:

Manual ventilation with chest rise, Oxygen administration. Tracheostomy care, Airway/Trach suctioning, Airway intubation, ventilation and auscultation.

### Grooming & Daily Living Assistance:

bathing, clothing changes, denture placement/removal, Hearing aid placement/removal, Eye irrigation & optic drops, ostomy & urinary catheter care, hair care.

### Indwelling male & female urinary catheterization:

includes support for urethral and suprapubic catheters.

### Advanced skills:

urinary catheterization, enema, administration, pelvic and prostate examination.



### Available versions:

#### Geriatric Patient Care Trainer:

General patient care, daily living assistance simulation platform.

#### Geriatric Patient Skills Trainer:

Physical skills practice simulation platform with injection/IV, catheterization, cardiovascular and respiratory support.

#### Geriatric Patient Simulator:

Comprehensive and complete simulation platform including patient monitoring capability.



Ref.no. LF4300

Details:



Ref.no. LF4301

Details:



Ref.no. LF4302

Details:



Patient monitoring possible with SIM-VS





## SIM VS Simulation Platform

- ✓ Use across multiple settings with both live patients or manikins
- ✓ Instructor's tablet controls the physiological displays of 3 types of monitor interfaces: defibrillator, hospital monitor, and mechanical ventilator
- ✓ 2-way wireless communication allows instructors to monitor student decisions during simulation
- ✓ Built-in checklists allow performance capture for structured debriefing
- ✓ Instructors can control up to 10 tablets at the same time
- ✓ High-resolution display

## Easy to Use

- ✓ Devices automatically connect
- ✓ Easily navigate through programmed or on-the-fly scenarios
- ✓ Wide control over physiology transitions

## Scenario Flexibility

- ✓ Comprehensive scenario library for nursing, EMS, and respiratory therapy
- ✓ Easy-to-use scenario editor allows rapid creation of new scenarios or editing of existing ones
- ✓ Community Server function allows scenario sharing across organizations

## Realistic Physiology and Controls

- ✓ Over 200 cardiac and respiratory waveforms
- ✓ Display 12 leads and X-rays
- ✓ Adjustable alarms
- ✓ Instructors see students' choice
- ✓ Multi-device control
- ✓ Portability and multiple monitor types allows in-situ and IPE scenarios



Product Displays	Hospital Systems					SimVS	
	Deluxe	Complete	Fetal Heart Monitor	Monitor and Defibrillator	Monitor	Pre-Hospital	Transport
Defibrillator	✓	✓	✓	✓		✓	✓
ICU Monitor	✓	✓	✓	✓	✓		✓
Ventilator	✓	✓				✓	
FH Monitor	✓		✓				
Scenarios	70	60	50	40	20	50	60
Instructor Tablet	1	1	1	1	1	1	1
Student Tablets	2	2	2	2	2	2	2
Telemetry	✓	✓	✓	✓			
Sim VS Bag	✓	✓	✓	✓	✓	✓	✓
Alert Tablets	1	1					
Ref.no.	R12300	R12310	R12320	R12330	R12340	R12350	R12360
REPLACES	• Ventilator • Fetal Monitor • Defibrillator	• Ventilator • Defibrillator	• Fetal Monitor • Defibrillator	• Defibrillator	• Hospital Monitor	• Defibrillator	• Defibrillator • Transport Vent

### Female Condom Model

This model may be placed in the clients lap to simulate the position in which the female condom should be inserted. Demonstration of use of female condom, contraceptive sponge, and cervical cap.

**The model features:**

- ✓ Life-size anteverted uterus in simulated pelvic cavity
- ✓ Cervix attaches to uterus with patented „screw“ design
- ✓ Soft vulva and vagina
- ✓ Soft plastic stomach cover
- ✓ With Instruction manual and soft nylon carrying bag

Ref.no. R10128

Details:



### Condom Training model

This life size model of an erected penis can be fixed on the table using a sucker foot and is perfect for training the correct use of a condom. Can be used with normal condoms, no special condom required. Condoms not included. Penis length: 13.5 cm.

Ref.no. L45

Details:



### Condom Training model

Economic priced Classroom set with 20 Styrofoam penis models for group education in schools. The models can be fixed at the desk with self-adhesive strips to leave both hands free for training. Diameter: 3.5 cm, Penis length: 12.5 cm, Weight: 0.1 kg.

Ref.no. L75

Details:

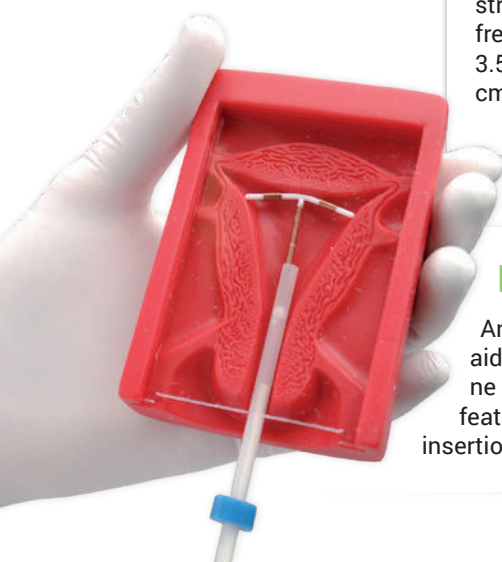


### I.U.D Trainer

An anatomically accurate hand-held trainer which is a suitable aid for understanding correct positioning of I.U.D. (Intrauterine Device) in the uterus. Made of durable plastic, the trainer features a transparent cover which allows easy visualization of insertion and placement of I.U.D. (I.U.D. not included).

Ref.no. R10127

Details:



### Training Model for Contraceptive Implants

This training model was developed for a manufacturer of a contraceptive implant to train doctors in implanting and explanting the contraceptive implants. It represents the upper arm of a woman showing muscle and skin layer. After implanting it shows the position of the implant underneath the skin.

Ref.no. 7086

Details:





## Female genital organs

This replica of the female genital organs in natural size is cut in the median plane and can be folded open for a better understanding. The labia majora and minora, vagina, cervix, neck of the uterus, uterus, fallopian tubes and ovaries are represented, in addition to the bladder, rectum, symphysis, sacrum and coccyx. In addition to the use of contraceptives, such as intrauterine pessaries, diaphragms and vaginal cream/foam, use of the speculum can be practised. Owing to the highly natural characteristics of the material, the model can be used for digital examinations. It is also, of course, eminently suitable as an illustration object for teaching. When opened, the model demonstrates very clearly the location and function of contraceptives. Contraceptive ring not included. Size: 15 x 26 x 26 cm.



Ref.no. LM30

Details:



## Vulva – Casts showing anatomical differences

All vulva casts are actual casts of real women. A life-like appearance is the result. The outer female anatomy is represented with its finest details and structures. Detailed and surprisingly authentic these casts show smallest wrinkles, and in some casts even the orifice of urethra and vagina. Carefully colored the differences of inner and outer labia as well as surrounding skin are clearly visible. Because each woman is different, this product represents a unique collection of 19 vulva casts.

### Perfect for sex education

Whoever is interested in female anatomy often finds in books schematic drawings that differ a lot from the real anatomy. This often causes confusion, uncertainty and even causes shame in young women and girls who do not have the „standard“ anatomy

as shown in books. Each cast shows in detail that each vulva is something unique and individual. Therefore this collection is a great tool for sexual education. Also boys and men learn a lot about different shapes in female anatomy and what is considered „normal“. Girls and women make a comforting experience that for example the size of labia is just a normal whim of nature.

### Skin friendly Silicon material

The vulva casts are made of high grade medical silicone, non-toxic, authentically soft and hygienic to clean. Because of this they are perfect for use in classrooms and information centers. Especially by comparing different shapes of anatomy this collection creates better confidence dealing with womens own sexuality.

Size each  
11 x 8 cm,  
Weight each  
0,11 kg



Ref.no. L222

Details:



## Female Contraceptive Model

Great for sex education classes, this model provides an affordable way to demonstrate proper insertion of female condoms, diaphragms, cervical caps, and spermicides for the prevention of pregnancy. Allows realistic practice in inserting each of these contraceptives with a unique cutaway section to help users assess their technique. Includes carrying case and lubricant. Contraceptives not included. Size: 9 x 14 x 14 cm.

Ref.no. L55

Details:



## Hysteroscopy Simulator

This simulator features:

- ✓ Full size female adult lower torso with removable soft outer skin
  - ✓ Seven uteri including normal "control" uterus with healthy internal and external appearance
  - ✓ Internal anatomic artwork of normal and abnormal uteri
  - ✓ Internal representation of endometrial polyposis, fibroids, early and advanced carcinoma of the endometrium, torsion of sloughing fibroid, and carcinoma of the fundus
  - ✓ External representation of normal and abnormal uteri
  - ✓ Palpation of normal and abnormal uteri
  - ✓ Normal cervix and interchangeable uteri with patented "screw" design
  - ✓ Instruction manual (english)
- Supplied with carrying bag.



Ref.no. R10184

Details:



## Gynaecologic Simulator

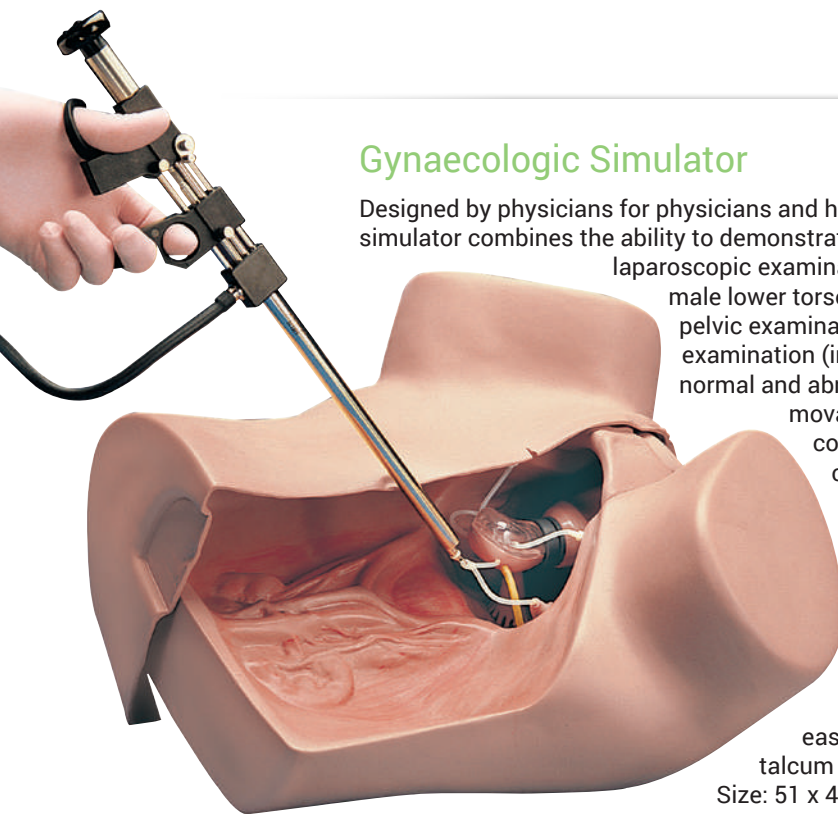
Designed by physicians for physicians and health care providers, this gynaecologic examination simulator combines the ability to demonstrate multiple gynaecologic procedures as well as practice laparoscopic examination and minilaparotomy. Features:

full-size adult female lower torso with relevant internal anatomic landmarks, bi-manual pelvic examination, palpation of normal and pregnant uteri, vaginal examination (including insertion of speculum), visual recognition of normal and abnormal cervixes, uterine sounding, IUD insertion and removal, contraceptive sponge insertion and removal, female condom insertion and removal, diaphragm and cervical cap insertion and removal, laparoscopic visualization and occlusion of fallopian tubes, minilaparotomy, one anteverted and one retroverted parous uterus, one 6-8 week, one 10-12 week and one 20 week pregnant uterus, five normal cervixes with patent os, four abnormal cervixes, 10 fallopian tubes, realistically sculpted and anatomically accurate ovaries and fimbriae, and uterus and cervix feature patented "screw" design for fast and easy change-out. Simulator comes with talcum powder and carrying bag.

Size: 51 x 46 x 25 cm, Weight: 8.5 kg.

Ref.no. R10183

Details:



### Options (all without picture):

Set of seven normal and abnormal uteri with external palpable pathologies.

Ref.no. R10183-1

Details:



Set of seven normal and abnormal uteri with internal pathologies for hysteroscopic viewing.

Ref.no. R10183-2

Details:



48 hour postpartum uterus with duckbill cervix and fallopian tubes for IUD insertion, using long curved forceps.

Ref.no. R10183-3

Details:



Postpartum uterus, 10 minutes after birth, for training of IUD insertion.

Ref.no. R10183-5

Details:





## Gynaecological Training Manikin

A lifelike female pelvis for developing diagnostic skills in gynecologic procedures, anatomical instruction, abdominal palpation, and speculum instruction. The model allows the comprehensive, stress free introduction of gynecological examinations, or more advanced tactile comparisons of pelvic pathologic conditions in a classroom setting easing the way into clinical experience. Constructed of soft, easily cleaned, vinyl materials that approximate skin texture, the model provides detailed, life-like anatomical features and references.

**Included are the following interchangeable inserts:**

- ✓ normal cervix for IUD insertion and removal
- ✓ normal parous cervix
- ✓ cervix with endocervical polyp
- ✓ cervix with ectropian characteristics
- ✓ cervix with neoplasia (carcinoma)
- ✓ normal uterus for IUD insertion and removal
- ✓ pregnant 10-week uterus, and two adnexal masses.



Does not include ovaries.  
Comes with transport bag.  
Size: 33 x 33 x 30 cm  
Weight: 3 kg

Ref.no. R10182

Details:



## GYN/AID Gynaecological Simulator

The full size female adult lower body gives students and educators a graphic experience in vaginal speculum examination, bi-manual pelvic examination, IUD insertion techniques, diaphragm sizing and fitting, uterine sounding, and viewing of normal and abnormal cervixes.

**Features / Package Contents:**

- ✓ Full size female adult lower body with removable soft outer skin
- ✓ One normal anteverted uterus with transparent top and round ligaments
- ✓ Seven uteri with one normal "control" uterus and six with external uterine abnormalities
- ✓ Two normal cervixes for IUD insertion/removal
- ✓ Uterus and cervix feature patented "screw" design for fast and easy change-out
- ✓ Contraceptive sponge insertion and removal
- ✓ Female condom insertion and removal
- ✓ Diaphragm and cervical cap insertion and removal
- ✓ Talcum powder
- ✓ Instruction manual
- ✓ Soft carrying bag
- ✓ 6 cervixes with cervical abnormalities
- ✓ Anatomically accurate fimbriae



Ref.no. R10186

Details:



## Gynecological Examination Simulator

This model allows practical training in basic gynecological examinations. This is a model best suited for educational purposes for doctors-in-training and medical students not only in gynecology but in general medical practice as well.

### Features:

- ✓ Soft, special material used for the external genital and abdominal cover allow the product to provide realistic simulation of bimanual examination (internal and external examination) and rectal examination.
- ✓ All uteri are movable which allows the product to recreate realistic examination of conditions such as cervical motion tenderness.
- ✓ Internal reproductive organs such as the uterus and ovaries have normal and abnormal states, and the examination of their respective disease states (intramuscular hystero myoma, subserous myoma, ovarian cyst, hydrosalpinx, etc.) can be practiced by changing the uterus. The uterus can be changed easily.
- ✓ Size of the ovarian cysts and hydrosalpinx can be adjusted by pumping in air to achieve the size and texture that closely resembles a living body.
- ✓ The product can be used for the practical training of vaginoscopy, probing, and cytology such as collection of intimal smears.
- ✓ The genital unit can be detached easily for simple care and replacement.

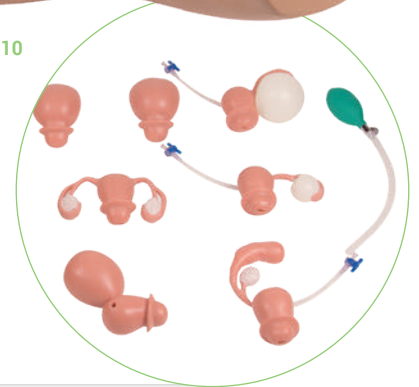
### Interchangeable uterus:

- ✓ Normal uterus, Early pregnancy uterus, Hystero myoma 1 (in tunica muscularis), Hystero myoma 2 (under endometrium), Ovarian cyst 1 (ping-pong ball size), Ovarian cyst 2 (tennis ball size), Hydrosalpinx.



Ref.no. LM110

Details:

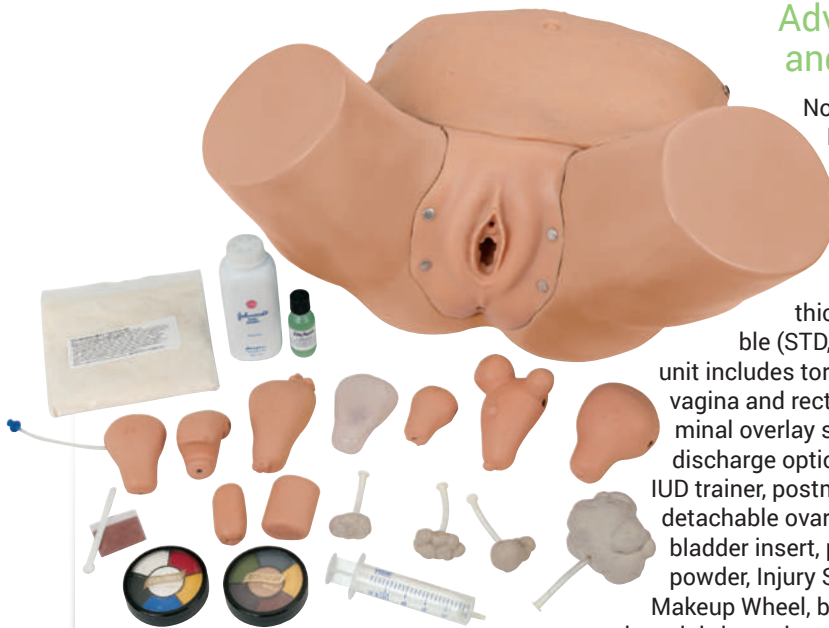


## Advanced Pelvic Examination and Gynecological Simulator

Now in one completely redesigned unit, the Advanced Pelvic Examination and Gynecological Simulator is ideal for all aspects of gynecological education, training, and competency evaluation, including the bimanual exam, speculum exam, and cytology sampling. This simulator allows you the flexibility of customizing your scenarios with use of included makeup, blood, and thickener. Additional specialized modules are also available (STD, post-menopause, S.A.N.E., and pre-puberty). Starter unit includes torso, normal genital pad, normal pelvic organ block with vagina and rectum, abdominal gel pad, fabric abdominal pad, abdominal overlay skin, seven uterus/cervix pieces (normal/normal with discharge option, retroverted/cervicitis, cancer/cancer, transparent IUD trainer, postmenopause/herpes, fibroids/polyp, early pregnancy), five detachable ovaries (normal, polycystic, small cyst, large adnexal mass), bladder insert, pelvic organ prolapse insert, baby powder, Injury Shades Makeup Wheel, Primary Colors Makeup Wheel, blood mix, methyl cellulose thickener, syringe, lubricant, instruction manual, and hard carry case.

Ref.no. R10940

Details:



### Complete Set of Specialized Examination Modules.

Includes one of each module listed below.

**Sexual Assault Nurse Examiner (S.A.N.E.) Module.** Includes external genital pad only. Implanted pubic hair for evidence collection.

Ref.no. R10941

Details:



Ref.no. R10941-3

Details:



### Sexually Transmitted Diseases (STD) Module.

Includes external genital pad and pelvic organ block/vagina and rectum. Shows Herpes blisters, Venereal warts and Syphilis chancre.

### Pre-Puberty Module.

Includes external genital pad only. Represents 6-10 year-old, pre-pubertal appearance, intact hymen

Ref.no. R10941-1

Details:



Ref.no. R10941-4

Details:



### Post-Menopause Module.

Includes external genital pad and pelvic organ block/vagina and rectum. It shows Shrunken labia, Narrow introitus, Eversion of urethral meatus, Anal tags, Small thrombosed hemorrhoid, Pale, smooth vaginal walls, Vaginal lesions, Vaginal adhesions, Vaginal cancer.

Ref.no. R10941-2

Details:





## ZOE Gynecological Skills Trainer

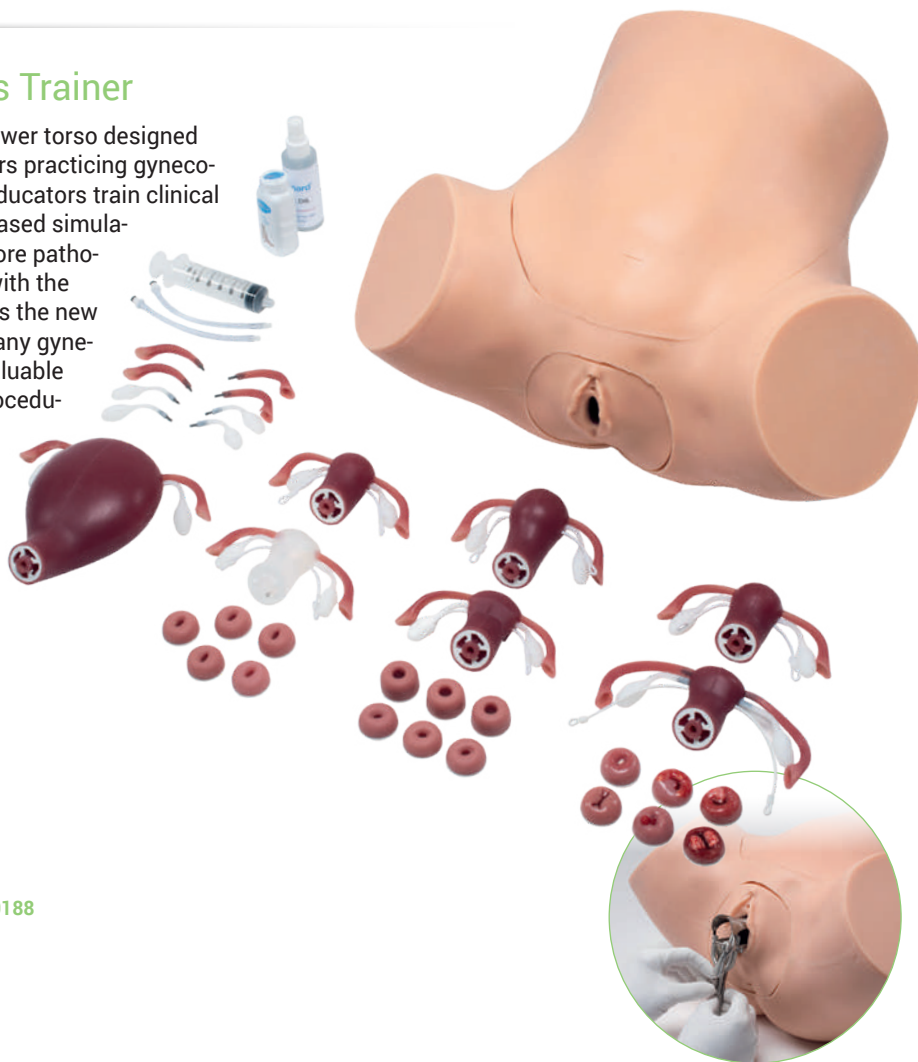
The ZOE Simulator is an adult-sized lower torso designed to add hands-on experience for learners practicing gynecologic skills. Realistic anatomy helps educators train clinical skills for easy transition to scenario-based simulations. Optional add-on models with more pathologies for expanding curricula easily with the modular design. Lifelike realism makes the new ZOE the perfect hands-on addition to any gynecologic skills curricula, providing invaluable experience on various gynecologic procedures including speculum examinations, fallopian occlusion, catheterization, uterine sounding, and more.

### Package Contents:

- ✓ ZOE Gynecologic Torso
- ✓ Anteverted uterus
- ✓ Retroverted uterus
- ✓ Clear IUD uterus
- ✓ Pregnant uteri
- ✓ 6-8 week
- ✓ 6-8 week w/ ovarian ligaments
- ✓ 10-12 week
- ✓ 20 week
- ✓ Normal patent cervixes (5 pcs.)
- ✓ Abnormal cervixes (6 pcs.)
- ✓ Pregnant Cervixes
- ✓ 6-8 week (3 pcs.)
- ✓ 10-12 week(3 pcs.)
- ✓ Mineral oil
- ✓ Instruction manual

Ref.no. R10188

Details:



### Optional Modular Add-ons:

#### Uteri with Externally Palpable Abnormal Pathologies.

Interchangeable uteri for recognizing abnormalities with bimanual examination.

- ✓ Enlarged uterus
- ✓ Small uterus
- ✓ Bicornate uterus
- ✓ Uterus with anteversion/anteflexion
- ✓ Uterus with large ovarian cyst
- ✓ Uterus with medium ovarian cyst
- ✓ Uterus with moderate retroversion
- ✓ Myomatous uterus
- ✓ Uterus with salpingitis on left side
- ✓ Uterus with salpingitis on right side

Ref.no. R10188-1

Details:



#### Vulva with Integrated Fistula Model.

Lifelike material supports realistic practice of suturing fistulous tracts. Modular vulva insert includes three fistulous tracts: vesicovaginal, rectovaginal, and urethrovaginal.

Ref.no. R10188-3

Details:



#### Uteri with Normal and Abnormal Internal Pathologies.

Interchangeable uteri for recognizing abnormalities by hysteroscopic viewing.

- ✓ Uterus with healthy characteristics
- ✓ Uterus with advanced carcinoma
- ✓ Uterus with fundus carcinoma
- ✓ Subseptate uterus
- ✓ Myomatous uterus
- ✓ Uterus with early carcinoma
- ✓ Uterus with polyposis
- ✓ Uterus with varied polyps
- ✓ Uterus with hyperplasia

Ref.no. R10188-2

Details:

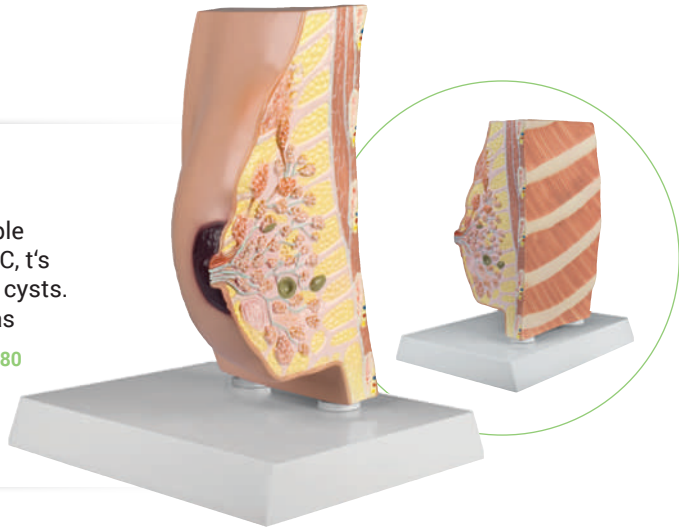


### Breast cross section with diseases

Cross section of a female breast in life size with multiple diseases. The model shows IBC, precancerosis, ILC, IDC, t's disease, fibroadenoma, pseudo lump, mastopathy and cysts. The model also shows normal anatomy of the breast as well as other structures like muscle layer and ribs. With educational card and breast cancer classification. On stand, removable. Size: 10 x 16 x 8 cm, Weight: 0.4 kg.

Ref.no. L280

Details:



### Breast cancer palpation model

Life size model of a female breast made of tissue-like material. The model includes a palpable lump as well as a mastopathy. The supplied educational card shows the position of the lumps as well as the statistical distribution of possible lumps in the breast. Additionally the card includes an overview of breast cancer classification. Size: 9 x 10 x 4 cm, Weight: 0.3 kg.

Ref.no. L281

Details:



### Single breast examination trainer

The Single Breast Examination Trainer has been designed for use in education in breast cancer prevention and breast self-examination. Breast self-examination is an important way of detecting cancer at an early, more treatable stage. Use the trainer to demonstrate proper manual examination and discussion of normal and abnormal findings. Soft, lifelike simulated breast tissue fits over a sturdy base with molded ribs. Interchangeable lumps and nodules of various sizes, shapes, and densities can be placed within the breast in any combination, offering a complete educational experience. Reddened peau d'orange area on skin represents inflammatory breast cancer (IBC). Dimpling indicates invasive disease. The Single Breast Examination Trainer includes four soft (skin color) nodules that represent normal tissue; three medium (white) lumps; and four hard (red) lumps, including a fixed-wall tumor. Lumps and nodules vary in size from 1-3 cm, are round and irregular in shape, representing both cysts and malignant tumors. Also included are baby powder, soft carry case, and instruction card. Weight 1.3 kg.



Ref.no. L63

Details:



### A-B-C breast examination set

Teaching models available in three different breast (cup) sizes, because all women are not the same. The set includes small (142 ml), medium (255 ml), and large (794 ml) models. Each model contains five lumps which, just as in real life, are more difficult to detect in larger breasts than in the smaller breasts. Each model is washable with soap and water. A must for any comprehensive teaching program. Includes slipcovers and carry case. Weight: 2.5 kg.

Ref.no. L61

Details:







### Advanced Breast Exam Simulator

Breast cancer is the second leading cause of cancer death among women; a properly performed manual examination is an important way of detecting cancer at an early, more treatable, stage. The Advanced Breast Exam Simulator offers unparalleled realism for teaching both clinical and self-breast examination. Unlike other simulators, tissue density actually varies within the simulated breast, just as it does in a live patient. Tumors of varying sizes (1-4 cm diameter), shapes (round, oval, irregular/stellate), and densities can be inserted by the instructor for an expanded combination of training scenarios. Tumors represent adenomas, cysts, malignant tumors, and enlarged lymph nodes. The torso is correctly positioned in the supine position and allows access to both axillae. The trainer features palpable ribs, sternum and clavicles, and enlarged lymph nodes in the axillary and subcla-

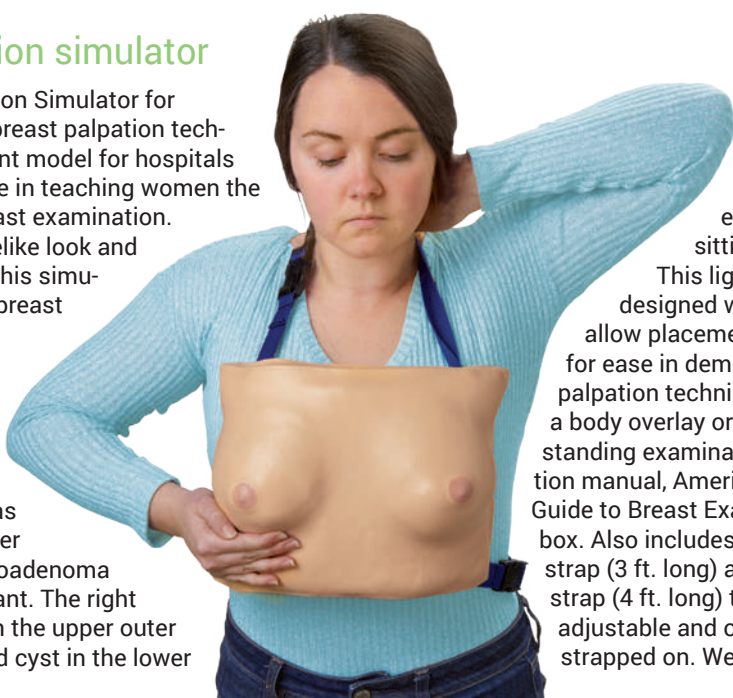
vicular areas. Peau d'orange ("orange peel skin") with inflammation, inverted nipple, skin dimpling, and asymmetry are also depicted on the incredibly realistic skin. The Advanced Breast Exam Simulator has been designed for supine examination, but may also be used standing upright if desired. Training may also be done without the overlay skin. Includes a rigid underbody, right and left breast inserts, overlay skin, three tumor sets (27 lumps), nine soft lumps to represent soft breast tissue, one hard lump to represent chestwall infiltration, baby powder, hard carrying case, and instruction manual. Torso size: 36 x 30 x 15 cm.



Ref.no. L57  
Details:

### Breast examination simulator

Use the Breast Examination Simulator for teaching and practicing breast palpation techniques. This is an excellent model for hospitals and medical clinics to use in teaching women the proper techniques of breast examination. Special skin creates a lifelike look and feel. A unique feature of this simulator is the realistic fluid breast mass. This mass allows displacement of breast tissue under palpation almost exactly as it occurs in a live patient. Each breast contains abnormalities. The left has a small nodule in the upper outer quadrant and a fibroadenoma in the lower inside quadrant. The right breast has a fixed lump in the upper outer quadrant, and a fluid-filled cyst in the lower



inside quadrant. The simulator allows women to practice all phases of breast examination in both a sitting and supine position. This lightweight simulator is designed with a concave back to allow placement against the patient for ease in demonstrating or practicing palpation techniques. Can be used as a body overlay or attached to body for a standing examination. Includes instruction manual, American Cancer Society Guide to Breast Examination, and storage box. Also includes a neck strap (3 ft. long) and a waist strap (4 ft. long) that are adjustable and can be strapped on. Weigh: 3 kg.

Ref.no. L62  
Details:



## Breast Self Examination Simulator

The BSE simulator has received top marks from healthcare professionals. They are thrilled with its durability, texture, and realism. Now with new softer & more realistic breasts. Teaching is made easy and realistic since the BSE simulator may be used in either the vertical or reclining position - Each breast may be detached from the simulator.

- ✓ One breast has nine lumps from 3 to 25 mm in diameter
- ✓ Abnormal breast includes two lumps beneath the arm
- ✓ Three lumps may be palpated easily; six are extremely subtle
- ✓ Teach the spiral or grid pattern to improve detection techniques.

Use this simulator, stress the need for monthly self-examination, encourage the recording of results and prompt reporting of any unusual findings to a health care professional. With instruction manual and carrying bag.

Ref.no. L56

Details:



## Breast Palpation Simulator for Clinical Teaching

The new Breast Palpation Simulator for Clinical Teaching combines state-of-the-art materials to create a realistic look, feel, and texture in addition to lifelike softness and durability. The simulator incorporates a combination of left and right breasts, including axilla regions, with a variety of masses that have distinct textures useful in recognizing normal and abnormal conditions. This simulator offers an excellent training platform on which breast examination techniques may be demonstrated. The Breast Palpation Simulator's six interchangeable breasts include a variety of different pathologies for training of breast examination. An assortment of malignant and benign tumors is included within both the mammary and axilla regions.

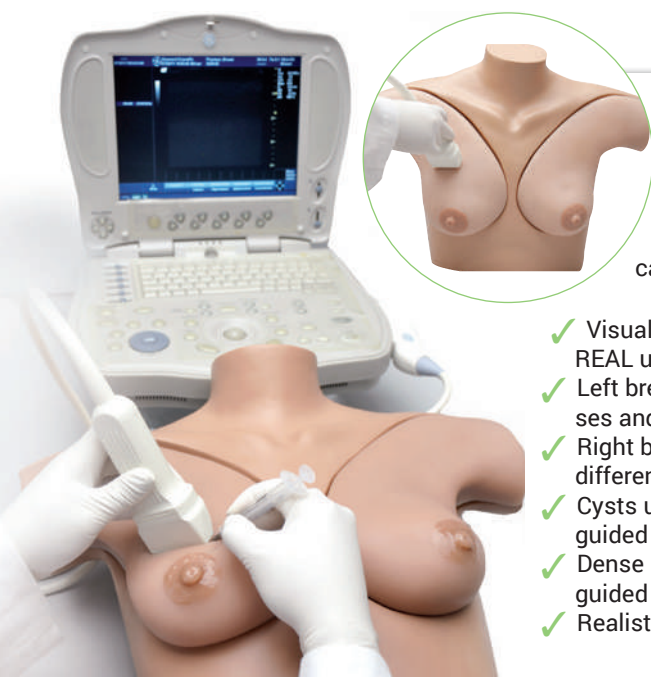


- ✓ Three interchangeable left breasts
- ✓ Three interchangeable right breasts demonstrating carcinoma and the "orange skin effect, giant sarcoma, and normal breast tissue
- ✓ Demonstrating chronic mastitis, benign growth, and scirrhous carcinoma

- ✓ Lifelike softness, texture and look. Nevertheless durable.
- ✓ Breasts are attached to adult upper torso and can be easily removed and reassembled
- ✓ The trainer can be used in either the upright or reclining position
- ✓ carrying bag and instruction manual included

Ref.no. L60

Details:



## Breast Phantom Simulator

Left and right breasts attach to adult upper torso. The left breast permits ultrasound identification of cysts versus dense masses, while the right breast permits identification of cysts of different sizes and depths.

- ✓ Visualize cysts and masses using REAL ultrasound equipment
- ✓ Left breast contains six dense masses and three cysts randomly oriented
- ✓ Right breast contains ten cysts of different sizes and depths
- ✓ Cysts used to teach ultrasound guided needle aspiration
- ✓ Dense masses used for ultrasound guided needle biopsies
- ✓ Realistic texture and look

- ✓ Self-healing skin
- ✓ Breasts easily removed and assembled
- ✓ Use in either the upright or reclining position
- ✓ Medium skin tone standard
- ✓ Light or dark skin tone optional at no extra cost
- ✓ Soft carrying bag
- ✓ Instruction manual

Ref.no. L58

Details:



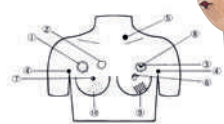




### Breast cancer palpation model

True to life replica of a female breast with pathological changes. Suitable for training of physicians and medical specialists, but also for instruction in self-examination. Via the use of various special synthetic materials, this model is extremely realistic in appearance and feel. Includes lumps, lymph node metastases and breast and skin changes.

Ref.no. LM18  
Details:



### Breast cancer palpation model

True to life replica of a female breast with pathological changes. Suitable for instruction in self-examination, but also for physicians and medical specialists. Owing to the possibility of strapping the model around the patient, particularly suitable for practising self examination. Via the use of various special synthetic materials, this model is extremely realistic in appearance and feel. Highly suitable for group instruction.

Ref.no. LM17  
Details:



### Ultrasound-Guided Breast Biopsy Phantom

We would like to introduce the new training phantom for ultrasound-guided breast biopsy. **It features:**

- ✓ Fine Needle Aspiration Biopsy (FNAB), Core Needle Biopsy (CNB) and Mammotome biopsy can be performed under ultrasound guidance.
- ✓ Tissue of the breast phantom(s) represents softness and resistance of the mammary gland.
- ✓ Excellent image quality.
- ✓ Targets are colored to confirm successful sampling.
- ✓ Targets are embedded in three levels to allow training in needle access with different angles and depth.

The phantom is available in two versions. The basic version is transparent and contains 12 hyperechoic targets, size 6 mm and 10 mm, targets colored in blue. The advanced breast is opaque and has also 12 targets, 6 hyperechoic (blue) and 6 hypoechoic (red) targets, sizes 6 mm and 10 mm. Size: 136 mm diameter x70 mm height, weight: 0.7 kg.



Set of one basic and one advanced breast

Ref.no. R16675  
Details:

Set of two basic breasts

Ref.no. R16675-1  
Details:

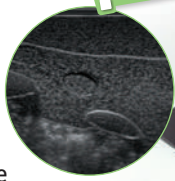
Set of two advanced breasts

Ref.no. R16675-2  
Details:

### Breast Ultrasound Examination Phantom

A unique phantom for training in basic breast ultrasound examination. Simulated targets with different echogenicities are embedded in the phantom mammary gland. The subcutaneous adipose, the mammary gland, the galactophore, Cooper's ligament, the retromammary adipose, the costae, the clavicle, the pectorails major and the lung can be visualized as well as the lymph nodes at axilla.

- ✓ Training in basic breast ultrasound examination.
- ✓ Sonography for patients: Simulated targets with different echogenicities are embedded in the phantom mammary gland.



Ref.no. R16670  
Details:





### Testicle Self Examination Model

Made from soft material, these life-size model features 2 lumps in each testicle. Perfect for teaching TSE (Testicle Self Examination).

Ref.no. R10065



### Testicle Self Examination Model

Self-examination of the testicles is just as important as self-examination of the female breasts for early detection of tumours. Providing exceptional realism, this simulator features soft, thin outer skin with delicate underlying structures and four embedded, simulated tumours. Ideal for teaching proper palpation techniques. To maintain the lifelike feeling of the skin, baby powder (included) should be applied from time to time. Size: 23.5 x 16 x 6.5 cm, Weight: 0.5 kg.

Ref.no. R10034



### Orchidometer, plastic

Orchidometer for diagnosis of testicle volume. Consists of prepubertal testicles (1 to 3ml) in yellow, pubertal testicles (4 to 12ml) in orange and adult testicles (15 to 25ml) in red. Strong plastic material, hygienic, on rope.

Ref.no. OM20



### Prostate Examination Trainer

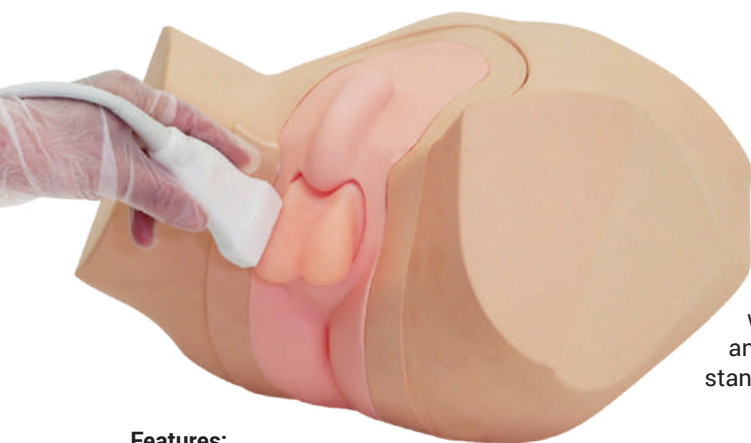
The trainer is supplied as a four sided box housing 4 prostates: Normal Benign, Enlarged Benign, Early Malignant, Advanced Malignant.

- ✓ Realistic tactile feeling
- ✓ No prostates must be replaced
- ✓ Each is identified via a single, gloved finger access port
- ✓ Easy to handle

The soft but firm touch of these prostates has been extensively tried and tested by specialist urologists.



Ref.no. R10082



### Scrotal Ultrasound Phantom

Scrotal Ultrasound Phantom provides trainees life-like training with high quality ultrasound images. Interchangeable normal and cancerous phantoms offer not only an anatomical understanding but also pathological images. Size: 34 x 33 x 24 cm.

#### Features:

- ✓ Excellent ultrasound image quality.
- ✓ Normal and pathological units provide various cases.
- ✓ Scrota can easily detach from the model for replacing and cleaning.

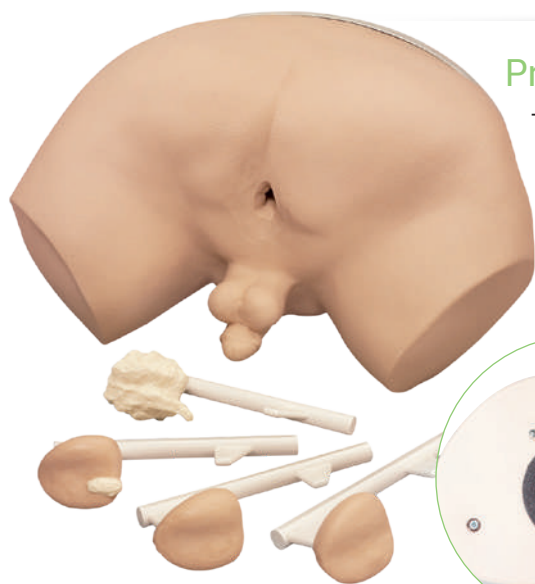
#### Training Skills:

- ✓ Scrotal ultrasound screening
- ✓ Visualization of testicular cancer

Ref.no. R16018







## Prostate Examination Simulator

This simulator consists of a male abdomen body and 4 different interchangeable prostate glands which can be inserted to allow realistic practice in diagnosis by rectal examination. Supplied with lubricant, cleaner and transport case. Size: 54.5 x 38 x 30.5 cm, Weight: 11 kg.

**The 4 prostate glands represent the following characteristics:**

- ✓ Benign, slightly enlarged, but otherwise normal
- ✓ Beginning stage of carcinoma, a discrete, hard nodule is palpable in the upper right quadrant
- ✓ The spread of carcinoma is demonstrated; the small nodule has increased in size and has become an external hard mass on the surface of the gland
- ✓ Totally replaced with carcinoma, the entire gland feels hard and irregular



Ref.no. R10031

Details:



## Clinical Prostate/Rectal Examination

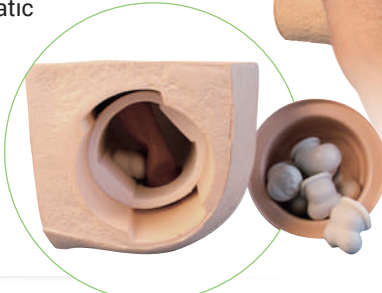
This unique trainer has a realistic feel to practice a clinical examination and diagnostic technique. The trainer has a realistic anus and rectum mounted within the buttock shape and presents in the left lateral position. Both the rectum and the five interchangeable prostates are replaceable. When in use the prostate is hidden and cannot be seen by the trainee. To make the change over from one prostate to another could not be simpler, lift the lid, unplug and replace.

**Ausstattung:**

- ✓ Allows for procedural skills training for rectal examination.
- ✓ **There are 5 interchangeable prostates:** 1. asymptomatic 2. bilateral benign 3. unilateral benign 4. bilateral carcinoma 5. unilateral carcinoma 6. rectal polyp.

**Skills:**

- ✓ Use of a proctoscope
- ✓ Digital rectal examination
- ✓ PR examination technique and diagnosis.
- ✓ All parts are latex free and washable.



Ref.no. R10081

Details:



## Prostate examination trainer

This trainer allows the realistic practice of the digital prostate examination. The model comes with 10 different prostate inserts. 5 of these insert can be placed inside the model simultaneously, the teacher can easily switch between them using a steering switch.

**The inserts are:**

- ✓ 1 x normal
- ✓ 2x prostate gland enlargement
- ✓ 2x prostatitis
- ✓ 5x cancer



Ref.no. R16230

Details:



Because this model is made of special soft material it gives a life-like impression and is a teaching aid that cannot be replaced.



## Prostate & Rectal Simulator

The Prostate & Rectal Simulator include 9 types of prostates and 4 types of rectums that are easily changeable and can be positioned in 3 different ways.

### Training Skills:

- ✓ Digital-examination of the prostate and rectum
- ✓ Insertion and the use of the anal-scope and the proctoscope

### Features:

- ✓ Nine types of prostate simulate different scenarios: Normal, prostatitis, enlargement 1, enlargement 2, carcinoma 1, carcinoma 2, carcinoma 3, carcinoma 4, carcinoma 5
- ✓ Four rectum units: normal, small carcinoma, large carcinoma, polyp combined with small carcinoma
- ✓ Training with multiple prostates and rectal cases is concurrent and time efficient
- ✓ Lateral, supine and prone positioning.
- ✓ 3 revolving units with 9 prostates can easily be changed



Ref.no. R16016

Details:



## Rectal examination model

This model was developed to give the opportunity for lifelike digital rectal examination training. The unisex model can be modified with 4 different inserts to represent different patient cases.

### It comes with 4 modules:

- ✓ Normal
- ✓ Cancer A
- ✓ Cancer B
- ✓ Polyps

Additionally the model has a prostate insert as well as an endocervix insert. The anus is palpable to a depth of 7 cm. The model comes with lubricant and storage box. Inserts are wear parts and can be re-ordered separately.

Ref.no. R16240

Details:



### Insert with normal anatomy

Ref.no. R16240A

Details:



### Insert with cancer A

Ref.no. R16240B

Details:



### Insert with cancer B

Ref.no. R16240C

Details:



### Insert with polyps

Ref.no. R16240D

Details:



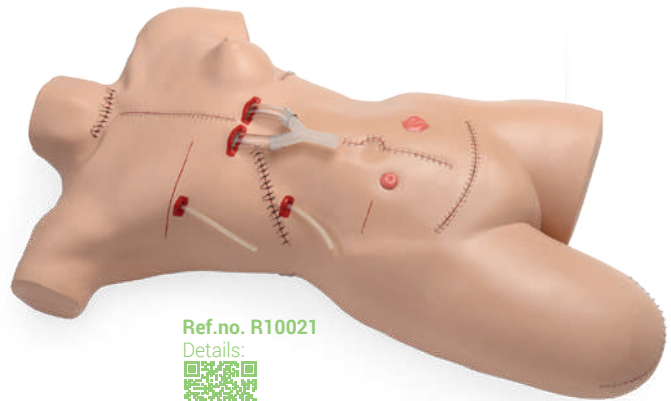


## Bandaging Simulator

This simulator consists of a female torso with flexible, lifelike skin which realistically responds to adhesives and all types of bandaging procedures. 14 different wounds allow one to practice wound management techniques, cleaning and bandaging techniques just like on a real patient. Wound closures feature surgical staples and sutures which cannot be removed.

**The simulator is supplied in a carrying case and features the following wounds:**

- ✓ Thyroidectomy
  - ✓ Mid-sternal split with chest tube drains (surgical staples)
  - ✓ Mastectomy with simulated drain
  - ✓ Cholecystectomy with simulated T-tube
  - ✓ Laparotomy (surgical staples)
  - ✓ Appendectomy
  - ✓ Colostomy
  - ✓ Ileostomy
  - ✓ Abdominal hysterectomy (surgical staples)
  - ✓ Thoractomy (surgical staples)
  - ✓ Nephrectomy (surgical staples)
  - ✓ Laminectomy
  - ✓ Sacral decubitus ulcer (stage II)
  - ✓ Leg amputation stump (surgical staples)
- Size: 84 x 30.5 x 63.5 cm, Weight: 12 kg



Ref.no. R10021

Details:



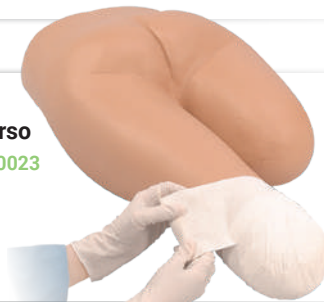
## Stump Bandaging

Lower or Upper torso with amputation stumps for bandaging training. Life size.

**Lower Torso**

Ref.no. R10023

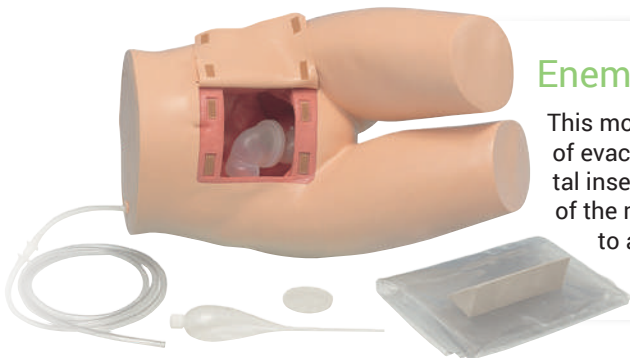
Details:



**Upper Torso**

Ref.no. R10022

Details:



## Enema training model

This model simulates a bedridden or geriatric patient having difficulty of evacuation by himself. The model can be used for practice of digital insertion and fluid injection. An opening in the front of the model permits to see the transparent bowel and to allow the teacher to control the training visually. Comes with artificial stool.

Ref.no. LM68

Details:

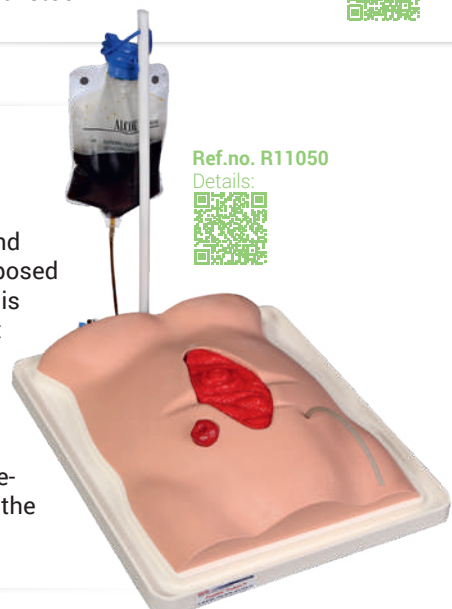


## Freddie Fistula Skills Trainer with case

Freddie Fistula allows to facilitate instruction and practice in the management of open abdominal wounds with active fistulas. Freddie Fistula Wound Care Skills Trainer incorporates a realistic open abdominal wound with exposed intestines and three actively draining fistulas. A central stomatized fistula is easily observed, while both the non-stomatized and hidden fistulas are not readily observable and add to the complexity of identifying the source of effluent flow and the ability to manage drainage, while employing various wound dressing materials and techniques (such as negative pressure wound therapy). Any combination of the three fistulas can be opened to permit effluent flow. The Freddie Fistula Skills Trainer helps to build competency and confidence in this challenging wound care scenario by allowing the user to employ some of the latest wound treatments and techniques.

Ref.no. R11050

Details:

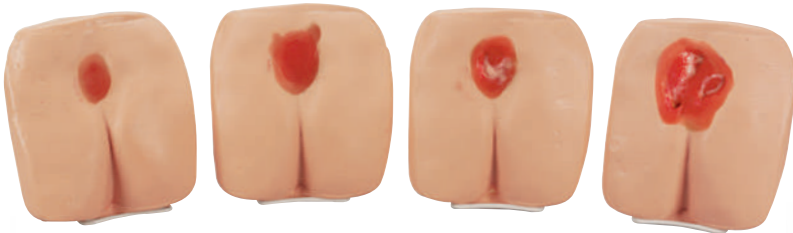


## Pat Pressure Injury Model

A unique, compact, comprehensive and realistic model displaying the following pressure injuries: an unstageable eschar/slough wound, Stage 1 (in both darkly and lightly pigmented skin), Stage 2, Stage 3 with undermining, tunneling and slough, a shallow Stage 4 over the malleolus with exposed bone and tendon, and a Stage 4 with exposed bone, tendon, muscle and undermining, tunneling, eschar and slough. The darkly pigmented skin section shows how different a Stage 1, blood blister and suspected DTI (Deep Tissue Injury) may appear depending on the pigmentation. Optional carry case available.

Ref.no. R10167

Details:



## Pressure Ulcer/Bedsore Models

Pressure ulcers, also known as bedsore or decubitus wounds, affect over one million adults every year. The wounds can range from superficial and mildly red on the skin surface to an extremely infected, deep, open wound penetrating down to the bone with blackened or dead tissue. These models illustrate all four wound stages and are used to give instruction on the care and cleaning of the ulcers. The four stages include:

- ✓ Stage 1 – Reddening, unbroken skin
- ✓ Stage 2 – Open wound that is reddened with partial skin loss
- ✓ Stage 3 – Deep, open wound that reaches through all layers of skin and into the muscle
- ✓ Stage 4 – Severe, deep, open wound that reaches through all layers of skin and damages muscle, bone, tendons, and joints

The Pressure Ulcer/Bedsore Models are made with our lifelike skin. Includes four buttocks models representing each stage, four display easels, and instruction key card. Size: 16.5 x 15.9 x 2.5 cm, Weight: 3.6 kg.

Ref.no. R11047

Details:

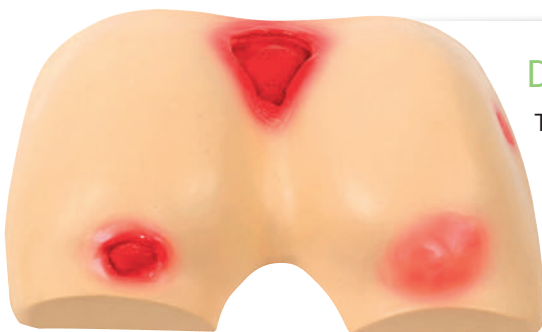


## Negative-Pressure Wound Therapy (NPWT) Trainers

The Negative-Pressure Wound Therapy (NPWT) Trainers assist with the instruction of advanced therapy management for many types of acute and chronic wounds. Use the trainers for demonstration of application, placement, and management of a negative-pressure wound therapy system and for the care of wounds. These unique trainers have different depths of wound care, including tunneling. The lifelike texture of the skin and realistic appearance of the wounds give added realism to training. Appropriate wound care bandaging products can be used. Pump device and bandaging supplies not included.

Ref.no. R11011

Details:



## Decubitus Treatment Simulator

This model of a human buttock shows first-, second-, and third degree decubitus and allows practicing of washing and dressing procedures. Size: 24 x 37 x 9 cm.

Ref.no. R10026

Details:





## Stan Stage 4 Pressure Injury Model

Designed for teaching and training with vacuum assisted closure and negative pressure wound therapy devices, this model features a large sacral Stage 4 pressure injury, with eschar, subcutaneous fat, undermining, tunneling, slough, eschar and exposed bone (with osteomyelitis) and a Stage 3 pressure injury with subcutaneous fat and granulation tissue. The large size and depth of the Stage IV pressure injury, as well as the undermining and tunneling, make it ideal for practicing the proper dressing and preparation of a large wound for use with a negative pressure wound therapy device. The Stage 3 pressure injury is positioned so that the Stage 4 can be dressed by itself or a "bridging" dressing can be applied to the Stage 4 and Stage 3 to demonstrate and practice this skill.

Ref.no. R10172

Details:



## Seymour II Decubitus-Simulator

This Decubitus-Simulator is made of a unique flexible, life-like material and is perfect for dressing practice. The model was molded from a 74-year-old patient and shows the following pressure injuries: Stage 1, stage 2, stage 3 and Stage 4. It also shows a suspected deep tissue injury (DTI), an unstageable eschar/slough wound and a 14 cm dehisced wound. Life size. Optional carrying bag available.

Ref.no. R10073

Details:



## Wound moulage sacral decubitus, cleaned



This moulage shows the sacral area with a pressure ulcer after a surgical cleaning. The necrotic tissue has been removed, wound pockets are present. The wound is available either freshly cleaned or with wound exsudate. The moulage can be used for demonstration of vacuum wound therapy. The moulage adheres on simulated patients or manikins, it can be fixed with special skin glue for longer training sessions. The anal fold is represented to demonstrate the typical challenges when dressing the wound.

Ref.no. PW001B

Details:



## Wound moulage sacral decubitus, untreated



This moulage shows the sacral area with a pressure ulcer in an unattended stage. The tissue has died under continuous pressure and necrotic tissue is visible. The actual size of the necrotic area can not be defined and needs surgical therapy. The moulage adheres on simulated patients or manikins, it can be fixed with special skin glue for longer training sessions. The anal fold is represented to demonstrate the typical challenges when dressing the wound.

Ref.no. PW001A

Details:



## Ostomy Care Training Models Set

Includes 5 independent Ostomy Care Training Models: Nonfunctioning Double Barrel Ostomy Care Training Model, Nonfunctioning Prolapsed Ostomy Care Training Model, Functioning Healthy Ostomy Care Training Model, Functioning Infected Ostomy Care Training Model, and Functioning Necrotic Ostomy Care Training Model. Dilation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags. Both functioning and nonfunctioning models are included.



Ref.no. R11010

Details:



## Retracted Ostomy Care Training Model

This model represents a stoma that has sunk below skin level, allowing training including cleaning and changing the pouching system. Dilation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags on stomas that can often be difficult to obtain a good seal around. The ostomy can actually be irrigated. Syringe is included to pump simulated stool through the unit to provide drainage and excretion at the ostomy. The consistency of the stool can be varied by using water to thin the material.

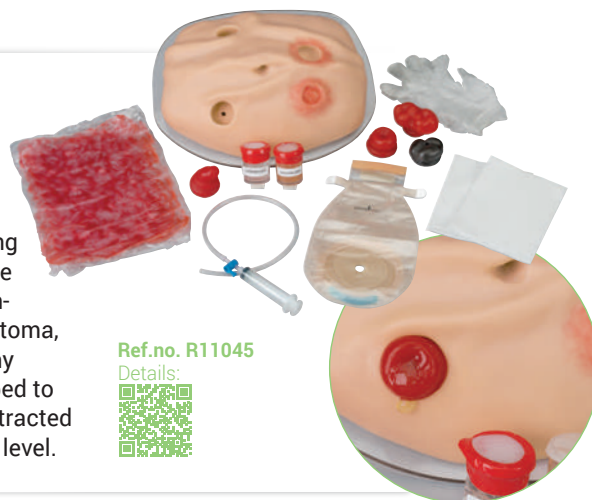
Ref.no. R11040

Details:



## Complete Ostomy Care Simulator

The anatomy of the ostomies are carefully reproduced, the skin is made of realistic, flesh-like material, and a soft, pliable material is used for the stomas in order to achieve the most realistic tactile sensation. Dilation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags. Practice fitting, cleaning, and changing the pouching system. The simulator consists of three locations to place the interchangeable stomas (healthy stoma, double barrel stoma, prolapsed stoma, and necrotic stoma). The healthy and necrotic stomas can be irrigated and simulated stool can be pumped to provide drainage and excretion at the ostomy. There is a permanent, retracted stoma to practice ostomy care procedures on stomas sunk below skin level.



Ref.no. R11045

Details:



## Ostomy Pouching Trainer

the Ostomy Pouching Trainer™ will facilitate the practice of proper pouching techniques to maintain healthy skin while developing good hand eye coordination. It can be used to practice using four different stomas:

- ✓ Urostomy with Stents
- ✓ Loop Stoma (you provide the bridge)
- ✓ End Stoma
- ✓ Flush Stoma

With the Ostomy Pouching Trainer, each of these stomas can have simulated stool or urine output and can be placed in four different locations:

- ✓ Contact dermatitis
- ✓ Standard healthy skin
- ✓ Flush placement with folds and mucocutaneous separation
- ✓ Candidiasis

Ref.no. R11054

Details:







### Ostomy Care Simulator

Reproduction of an abdomen showing the anatomy of both a colostomy and ileostomy to provide lifelike functions and appearance. Dilatation of the stomas can be demonstrated and practiced, along with application of post-operative and permanent ostomy bags. The colostomy can be irrigated. Drainage and excretion at the ileostomy (water) and colostomy (simulated stool) can be pumped by syringes. Delivered with simulated stool and carrying case. Size: 45.5 x 45.5 x 30.5 cm, Weight: 11 kg.

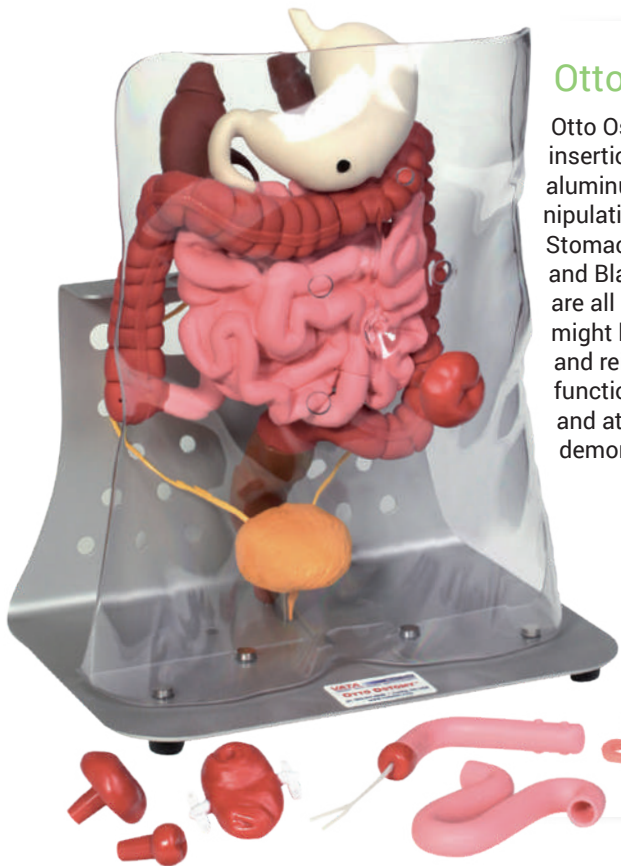
Ref.no. R10133  
 Details:



### Ostomy Care Model

This model contains four stomas that can be lubricated and dilated with an inserted finger. Model may be washed, taped, bandaged or fitted with ostomy bags. Supplied with lubricant.

Ref.no. R10132  
 Details:



### Otto Ostomy Advanced

Otto Ostomy™ has a clear torso shell with four openings for the insertion of stomas. The torso shell is easily removed from the aluminum base for teaching or to facilitate in accessing and manipulating the organs. The color coded organs displayed include: Stomach, Small Intestine, Large Intestine, Rectum, Kidneys, Ureters and Bladder. The small intestine, large intestine, rectum and bladder are all removable to aid in teaching procedures where these organs might be removed. The ureters can be removed from the bladder and reinserted into the ileal conduit to show how a urostomy functions. The flexible small and large intestines can be separated and attached to the backside of the stoma in the torso shell to demonstrate either an end or loop stoma. The large intestine can be separated at four different locations: Ascending colon, Transverse colon, Descending colon and the Sigmoid colon.



Ref.no. R11009  
 Details:

# SELF-ADHESIVE WOUND MOULAGES



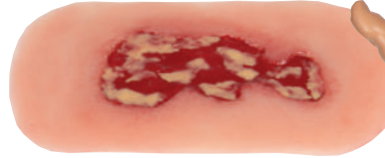
## Wound moulages venous leg ulcer, different versions

These self-adhesive wounds represent a venous leg ulcer, a substance defect in the tissue of the lower leg as a result of a chronic venous insufficiency. It represents the most common ulcer disease (60% to 80% of all ulcer diseases) in different conditions. These wounds are perfect for adhering at the ankle or lower leg and adhere by themselves. For longer use, they can be fixed with a special skin glue. All materials used in these products are dermatologically harmless.

### Exudation phase small

This wound shows the exudation phase, the untreated condition. Fibrin and excessive wound exsudate have to be removed during the wound cleaning.

Ref.no. PW002A



### Granulation phase small

This wound shows the stage of building granulation tissue. In this stage it is very important to use the suitable dressing to prevent wound healing disorders (fibrin persistence).

Ref.no. PW002B



### Epithelisation phase small

This wound shows the stage of building epithelial tissue, finally leading to close the wound.

Ref.no. PW002C



### Exudation phase large Version

This wound shows the exudation phase, the untreated condition. Fibrin and excessive wound exsudate have to be removed during the wound cleaning.

Ref.no. PW003A



### Granulation phase large

This wound shows the stage of building granulation tissue. In this stage it is very important to use the suitable dressing to prevent wound healing disorders (fibrin persistence).

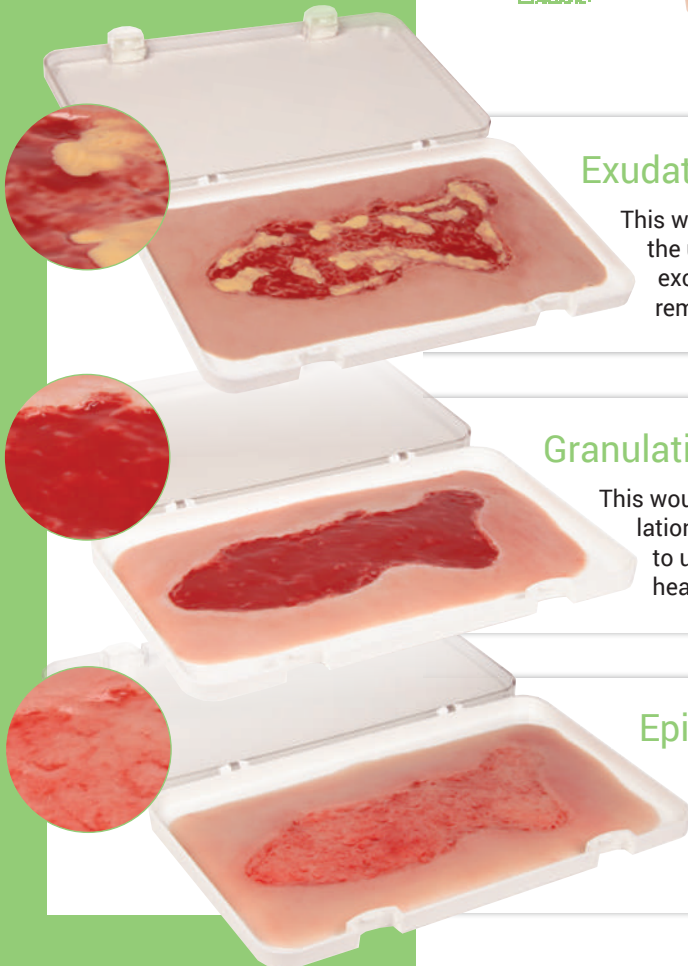
Ref.no. PW003B



### Epithelisation phase large

This wound shows the stage of building epithelial tissue, finally leading to close the wound.

Ref.no. PW003C







### Wound moulages arterial leg ulcer, different versions

These self-adhesive wounds represent an arterial leg ulcer, a substance defect in the tissue of the lower leg as a result of a peripheral arterial occlusive disease (PAOD). Caused by insufficient blood and related oxygen supply the healing of wounds is inhibited any small injuries can become chronic wounds. These small wounds are perfect for adhering at the ankle or lower leg and adhere by themselves. For longer use, they can be fixed with a special skin glue. All materials used in these products are dermatologically harmless.

#### Exudation phase small

This wound shows the necrosis of tissue in extensive black areas.

Ref.no. PW004A

Details:



#### Granulation phase small

This wound shows the granulation phase after successful causal therapy and careful wound cleaning.

Ref.no. PW004B

Details:



#### Epithelisation phase small

This wound shows the building of epithelial tissue, finally leading to closure of the wound after successful causal therapy and careful wound cleaning.

Ref.no. PW004C

Details:



#### Exudation phase large

This wound shows the necrosis of tissue in extensive black areas.

Ref.no. PW005A

Details:



#### Granulation phase large

This wound shows the granulation phase after successful causal therapy and careful wound cleaning.

Ref.no. PW005B

Details:



#### Epithelisation phase large

This wound shows the building of epithelial tissue, finally leading to closure of the wound after successful causal therapy and careful wound cleaning.

Ref.no. PW005C

Details:





## Surgical wound, 22 cm

This moulage is made of skin-friendly material and adheres by itself on the skin of a standardized patient, a manikin or on the supplied base. The moulage can be attached to any location of the body, for example over the knee to simulate a wound after a knee replacement or on the belly to simulate a cesarean section. The soft material moves with the body and can be attached over joints. If the moulage does not adhere well anymore, simply clean the backside with alcohol and it will stick strongly again. If the moulage shall be used for a longer course, we recommend a special skin glue.



**Without suture**

Ref.no. PW009A

Details:



**With suture**

Ref.no. PW009B

Details:



**With surgical staples**

Ref.no. PW009C

Details:



## Nursing care moulage kit

This moulage kit offers a highly detailed variety of disease, pressure and surgically induced wounds to assist practitioners in understanding the treatment of their patients. Whether the practitioners' education includes clinical nurse training, certified nursing assistant training, surgical technician, or pre-hospital disciplines, it is beneficial to visualize the problems that arise in caring for these wounds. The kit comes with a spray container of both stinky sweat and vomit to assist in presentation. Comes packaged in a sturdy carrying case for eased of storage and transport.

Ref.no. R11013

Details:



## Ultra nursing wound simulation kit

The "ultimate" kit designed to assist nursing educators in creating medical experiences that used to only be found in clinical settings. The instructor-created simulation scenarios assist students with making assessments, prioritizing patients, and determining correct treatments. Simulation allows students to make critical mistakes without endangering a live patient, providing them with realistic patient interaction and enabling them to gain experience and gain confidence before entering real-life clinical situations. The more realistic the simulation, the greater the learning experience.

Applications of wounds, blisters, abrasions, bruises, and much more act as visual aids. Moulage adds enough realism for students to become completely engaged in the scenarios presented. It allows them to feel the patient or patient simulator is someone for whom they must provide appropriate care. Using very quick, basic simulations and simple makeup, the simulated three-dimensional lifelike wounds can be cleaned, sutured, bandaged, etc., for a realistic nursing experience. Nursing simulation can use simple makeup and include wounds applied to a real person's or patient simulator's limbs,



chest, head, or any other part of the body. The simulation can be as basic or advanced as needed by also adding other elements of realism, including sweat, blood, pus, mucous, or any other "recipes" needed to create a realistic learning environment. The Ultra Nursing Wound Simulation Kit includes everything needed to create complex scenarios to assist students with a multitude of sensory perception experiences. Included are simulated wounds, makeup, and makeup accessories all packaged in a hard carry case.

Ref.no. R11014

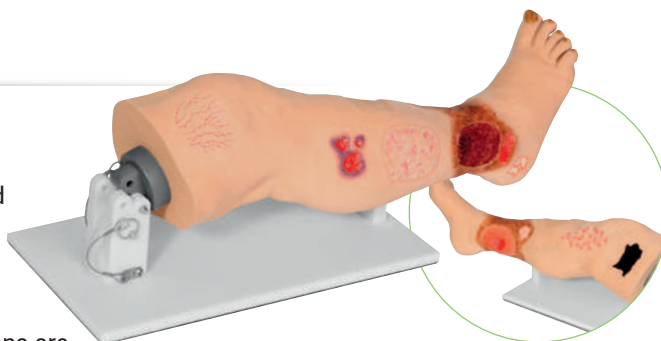
Details:





## Vinnie venous insufficiency leg

is a great tool for teaching, training, competency testing and skills assessment in the care of patients with this condition. Wounds associated with venous disease and other wounds on the lower leg & foot are often extremely painful for the patient, thus adding urgency to their effective and efficient identification and treatment. The following conditions are represented on "Vinnie" Venous Insufficiency Leg: Venous Ulcer, Cellulitis, Stasis Dermatitis, Varicose Veins, Hemosiderin Staining, Vasculitis, Lipodermatosclerosis, Calciphylaxis, Pyoderma Gangrenosum, Healed Foot Ulcer, Fungal Thickened Toenails, Maceration, Diabetic Ulcer, Atrophe Blanche, Pitting Edema, Reticular and Telangiectasia Veins. This model can also be used as a teaching tool and practice leg for clinicians learning about/practicing compression wrapping. An Optional Display Stand is available which permits 'Vinnie' to pivot from above the knee, providing a realistic experience in supporting the leg while practicing compression wrapping, dressing changes or identifying conditions.



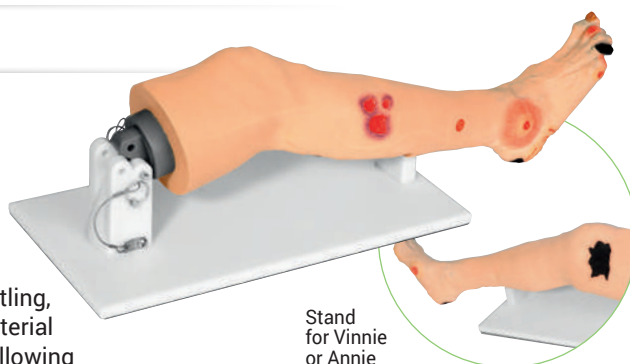
Ref.no. R11020

Details:



## Annie Arterial insufficiency leg

is a great tool for teaching, training, competency testing and skills assessment in the care of patients with this condition. The following conditions are represented on "Annie" Arterial Insufficiency Leg: Arterial Ulcers, Necrotic Toes, Eschar Heel, Charcot Foot, Diabetic Foot Ulcer, Cellulitis, Dystrophic Nail, Mottling, Callous and Heel Fissures. This model also includes a unique Arterial Doppler Sound module with individual buttons to activate the following doppler sounds: Monophasic, Biphasic, Triphasic and Venous. An Optional Display Stand is available which permits 'Annie' to pivot from above the knee, providing a realistic experience in supporting the leg while practicing compression wrapping, dressing changes or identifying conditions.



Stand for Vinnie or Annie

Ref.no. R11021

Details:



Ref.no. R11020A

Details:



## Wilma Wound foot

Moulded from a real foot for a true-life experience when assessing the various wounds. Twenty different conditions are presented so you can see and understand how they are different. Great care has been taken to colour each wound just as you would see it on a patient. Once the different etiologies are understood, you can discuss and devise treatment plans that will deliver optimized patient care. The following wounds and abnormalities are included: pressure ulcers, deep tissue injury, callus, amputated toe, gangrene, maceration, partial thickness wounds, corn, ingrown toenail, blister, hammer toes, and skin stapled wound. Comes with positioning base for "hands free" access to all the sites when applying dressings or teaching. Size: 32 x 20 x 9 cm.



Ref.no. R10227

Details:



## Elderly pressure ulcer foot

Chronic foot ulcers affect elderly the most, we have designed the Elderly Pressure Ulcer Foot for instruction on care and cleaning of pressure ulcers in various stages. Pressure ulcers are more likely to appear over pressure points such as heels, tips of toes, between toes, or anywhere the bones may protrude and rub against socks, shoes, or bed sheets. This replica contains all four severity stages:

- ✓ Stage 1: Located on the bottom of the toe. Surface of the skin is red.
- ✓ Stage 2: Located on the bottom of the foot just under the toe. Surface of the skin is red and deeper into the skin layers.
- ✓ Stage 3: Located on the side of the foot. Surface of the skin is red, looks more like a crater, and reaches the bottom layer of the skin.
- ✓ Stage 4: Located on the heel of the foot. Surface of the skin is red. A great amount of tissue has been damaged, including muscle, bone, joints, and tendons.



Ref.no. R10228

Details:



### Foot model with diabetic foot syndrome

This life-like and life-size foot model shows typical symptoms of the diabetic foot syndrome. Multiple ulcers and lesions are located at typical positions in different grades. Additional symptoms like cracked skin and a necrotic toe are also shown.

Ref.no. PW006

Details:



Version for nursing manikins:

Ref.no. PW006P

Details:



### Foot model with diabetic foot syndrome, severe stage

This life-size foot model with diabetic foot syndrome shows a foot after a ray resection as a result of necrosis and deep ulcer. Additionally, the foot shows ulcers, lesions and cracked skin.

Ref.no. PW007

Details:



Version for nursing manikins:

Ref.no. PW007P

Details:



### Unhealthy foot model

An unhealthy foot model to help teach the importance of proper foot care and nutrition to people with diabetes. This foot replica shows the distal end of the foot with an invasive wound on the bottom of foot and surface inflammation around the big toe and second toe. Life-size foot made of soft, lifelike material with flexible toes.

Ref.no. R10027

Details:







### Common Foot Problems

An incredibly realistic, life-size, handpainted foot replica moulded from an actual human foot. Abnormalities include: bunion, callus, corn, inflamed toenail, open sore, and dry, cracked skin. Great for use when working with diabetic patients!

Ref.no. R10035  
 Details:

### Advanced Foot Problems

An incredibly realistic, life-sized, hand-painted foot replica. This replica demonstrates advanced stages of a realistic, unhealthy foot with dry, cracked skin; a bunion; callus; corn; toenail fungus; a hammer toe; open pressure point sore; ingrown toenail; and gangrene. It will help in showing patients what sores will progress to if they do not take care of them. It also helps clients understand what the different common foot problems are.

Ref.no. R11102  
 Details:



### Medical Foot Care Model

To keep good condition of the patients' feet makes a big difference in quality of life of patients and can be critical for people with particular diseases including diabetes. The model is designed to facilitate training in nail clipping, and trimming as well as smoothing away the corns and callosities of patients. The replaceable nails, corn and callosities set on the life size foot model provide excellent training opportunities with true-to-life feeling until the trainees build enough confidence to move on to actual patients. The foot model also helps to demonstrate anatomical landmarks, foot assessment procedures, foot massaging and other day-to-day treatment.

Ref.no. R16080  
 Details:

### Ingrown Toenail Simulator (3-Pack)

SurgiReal's Ingrown Toenail Simulator was created to eliminate the need to use inadequate and unrealistic substitutes for training wedge resection and nail evulsion procedures. Included in this small, but impressive, model is a simulated bone structure designed with internal cavities to perform digital nerve blocks. The nail is "ingrown" on both sides, giving the ability to practice the procedure more than once. This model captures the form and landmarks of a human toe and presents the most common form of Onychocryptosis (ingrown toenail).

Ref.no. SRE0700  
 Details:





## Diabetic injection model kit

Made from realistic material, these teaching models facilitate technique practice on both an injection “skin” and a finger stick apparatus. The skin model may be strapped to the user’s arm or leg to simulate a needle injection site, and the finger stick model may be held by the attached grip for lancet practice. Both can be punctured repeatedly. Replacement available. Comes with carrying case.

Ref.no. R10066  
Details:



## Diabetic injection pad, advanced version

Unlike other injection pads this advanced pad gives the opportunity to practice with a normal and a hardened abdominal wall. It allows the student to form a realistic fold for injection. Due to special material it gives a lifelike impression of touch and feel, almost like in a real patient. The model is perforation proof and can be attached to the students’ body using a flexible band.

Ref.no. 7070

Details:



## Diabetic injection pad

This pad that looks and feels like real human skin is ideal for diabetic instruction and injection practice. May be worn in specific body locations to allow patients to inject fluids into the pad to practice giving themselves injections. Pad is thick enough to accept all insulin needles. For safety purposes the oval pad has a hard plastic backing to prevent the needle from poking through.

Ref.no. R10010

Details:



## Injection belly

This stomach replica will be an invaluable tool for teaching patients how to properly insert and rotate the infusion set for insulin pumps, avoiding the 5 cm area around the navel, as well as giving self-injections of many types including pen-style injections. The trainer has lifelike skin and a soft plastic backing to keep needles from going through and holes to allow the material to breathe and dry, should you choose to inject liquids. Distilled water may be injected, but the more liquid that is injected into the simulator, the longer the time for evaporation. The injection belly is considered disposable; however, with proper care and treatment it will serve its purpose for a long period of time.



Ref.no. R11100

Details:



## Advanced injection Belly

This stomach replica is an invaluable tool for showing how to properly insert and rotate the infusion set for insulin pumps, avoiding the 5 cm area around the navel, as well as giving many types of self-injections (including pen-style injections). Similar to the Injection Belly, but made of a material that creates a more realistic experience. The trainer has lifelike skin with the ability to pinch the skin. Backing keeps needles from going through. Adjustable straps allow the stomach to be attached to a manikin or human patient for simulation practice. The soft material can be punctured repeatedly without showing holes. Liquid injection is not recommended.

Ref.no. R11101

Details:







## Advanced Oral Care Simulator

The life-like oral cavity and the denture with tooth disease provide oral care training which is close to the clinical practice.

### Features:

- ✓ The Advanced Oral Care Simulator has an anatomically correct oral cavity, trachea, esophagus and replacement dentures.
- ✓ Denture with tooth diseases provides training in assessment and care of the oral cavity.
- ✓ The patient conditions and positions can be set easily.
- ✓ This simulator allows for training in realistic oral cleaning procedure using simulated residue.
- ✓ This simulator allows training using water, and also training of suction.

### Training Skills:

- ✓ Care of gingiva
- ✓ Brushing of teeth
- ✓ Removal of coat on tongue
- ✓ Care for moist retention
- ✓ Replacement and maintenance of the denture
- ✓ Understanding of airway suction

Ref.no. R16229



## Nasopharyngeal swab collection simulator



This training model allows teaching and training in correct swab collection in the area of nose and throat. The training model offers two different anatomy shapes in the left and right nose as well as a colour feedback system if the correct spot for the swab inside the nose is hit. The model can also be used to learn how to use a tongue depressor in combination with the swab. The product is supplied with a cross section of the head and neck for proper teaching and better explanation of the technique.

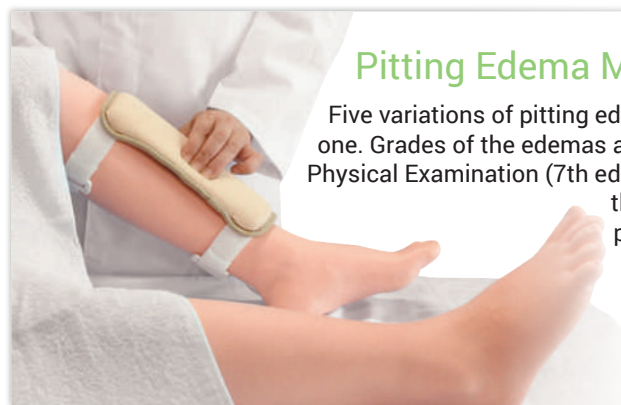


Ref.no. R16030



## Pitting Edema Model

Five variations of pitting edema models including a healthy one. Grades of the edemas are based on "Mosby's Guide to Physical Examination (7th ed.)". The model can be worn on the lower thighs of a simulation patient or a nursing doll.



- ✓ Differentiation of pitting edemas with four different grades and a healthy one
- ✓ Learning the examination procedures for edemas on the lower thighs



Ref.no. R16070





## Tracheotomy Care Simulator

This simulator replicates an adult male containing oral and nasal passages and all appropriate anatomy such as pharynx, epiglottis, trachea, oesophagus, stoma, cricoid cartilage, representative cervical vertebrae, left and right bronchi and the bronchial tree. The oesophagus dead ends 5 cm below the tracheal opening. A perfect aid to practice oral, nasopharyngeal, nasotracheal and tracheal suctioning, proper cuff inflation, as well as cleaning of the stoma area and changing dressings or ties. A viewing window in the neck allows observation of the suction and trachea tube. From the bottom of the simulator one can visually verify the location of a suction catheter in the right bronchus (seen) or left bronchus (unseen). Tracheotomy tube is not included. Delivered with cleaner and carrying case.

Ref.no. R11083

Details:



## NG Tube & Trach Skills Simulator

The NG Tube & Trach Skills Simulator has been developed to aid with the instruction, training, and practice of vital tracheostomy skills and care for patients with respiratory conditions. The simulator is also designed for instruction of gastrointestinal care procedures through nasal and oral access. With a newly designed head and torso, this simulator features realistic landmarks, trachea, esophagus, lungs, and stomach. For exceptional realism, methyl cellulose can be mixed with water to simulate mucouslike fluids of a real patient. Fluid can be added to the lungs and stomach for realistic tracheostomy care and suctioning. The simulator also allows for the practice of dressing changes and cuff inflation. Other realistic procedures include: NG tube care, including insertion, irrigation, and removal; gastric lavage and gavage; feeding tube insertion and removal with the ability to practice feeding; nasoenteric and esophageal tube care; oropharyngeal and nasopharyngeal care; and tracheostomy tube care. Intubation using a laryngoscope blade and size 6.0 ET tube may also be practiced. The



simulator is designed to use size 6 tracheostomy tube and a size 6 NG tube. Spray-pump lubricant, a packet of methyl cellulose, instruction manual, and hard carry case are included. The simulator does not include tracheostomy ET, or NG tube. Size: 26 x 41 x 69 cm.

Ref.no. R11006

Details:



## Airway Suction Trainer

This lifelike reproduction of the human respiratory organs is designed for temporary airway suction and catheter insertion practice. It is a very effective tool with life-like tactile qualities for training in airway suction.

### Features:

- ✓ Realistic anatomy including the mouth, tongue, oral and nasal pharynx, epiglottis, trachea and esophagus.
- ✓ Catheterization pathways include oral, nasal or through the tracheostomy opening.
- ✓ Life-like organs facilitate learning proper catheter insertion length.
- ✓ The side window allows the passage of the catheter to be observed.
- ✓ Realistically simulated sputum sticks to the airway.

Ref.no. R16662

Details:



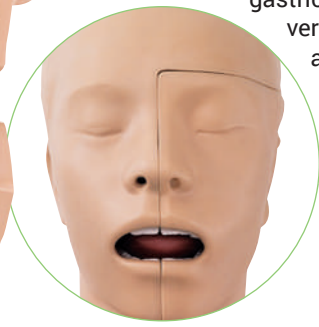




## Suction training model



With this model in life size nasal and oral suctioning techniques can be practiced. The model has a tracheal opening for tube insertion and intrabronchial suction training. The left side of the face can be removed to control tube position. The model comes with artificial sputum which can be removed realistically. Additionally the model has an oesophagus and allows placement of gastric feeding probes. The model is also very good for teaching the anatomy. Supplied with transport bag.



Ref.no. LM97  
Details:

## Suction/Tube feeding simulator

This model can be used to practice the insertion of suction catheters into the nasal cavity, oral cavity and tracheostomy site, as well as suction procedures, nasogastric tube feeding, and gastrostomy care procedures, routinely applied in the nursing and care giving fields.

### Product Features:

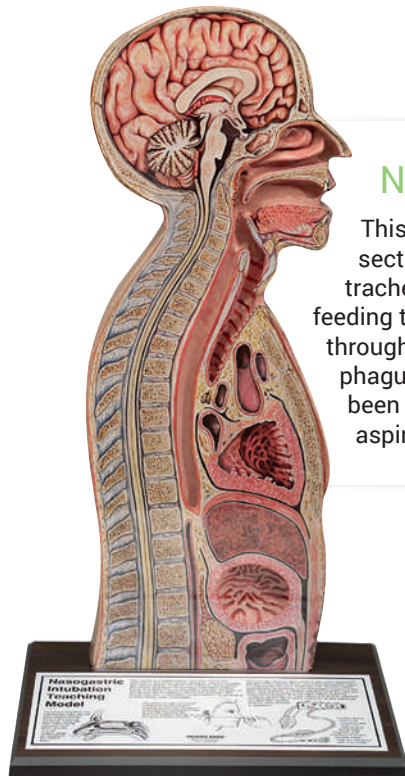
- ✓ Insertion of the feeding tube all the way to the gastric fundus can be practiced
  - ✓ The tube feeding components come with an internal tank, allowing nasogastric tube feeding and gastrostomy management using actual liquid
  - ✓ Air bubble sounds can be heard and suction of gastric fluid can be used to confirm the insertion of the tube
  - ✓ The tank has a drainage function
  - ✓ The model can be taken apart for easy maintenance
  - ✓ The liquid tanks can be flushed
- Comes in carry bag.

Ref.no. LM97B  
Details:

### Tube feeding component for upgrading an existing LM97

Ref.no. LM97C  
Details:





## Nasogastric Intubation Model

This instructional model shows a median section through nose, mouth, pharynx, trachea, oesophagus and stomach. Plastic feeding tubes or catheters may be passed through the nose or mouth into the oesophagus and stomach. A tracheostoma has been added to demonstrate endotracheal aspiration. Size: 58.5 x 30.5 x 8 cm.

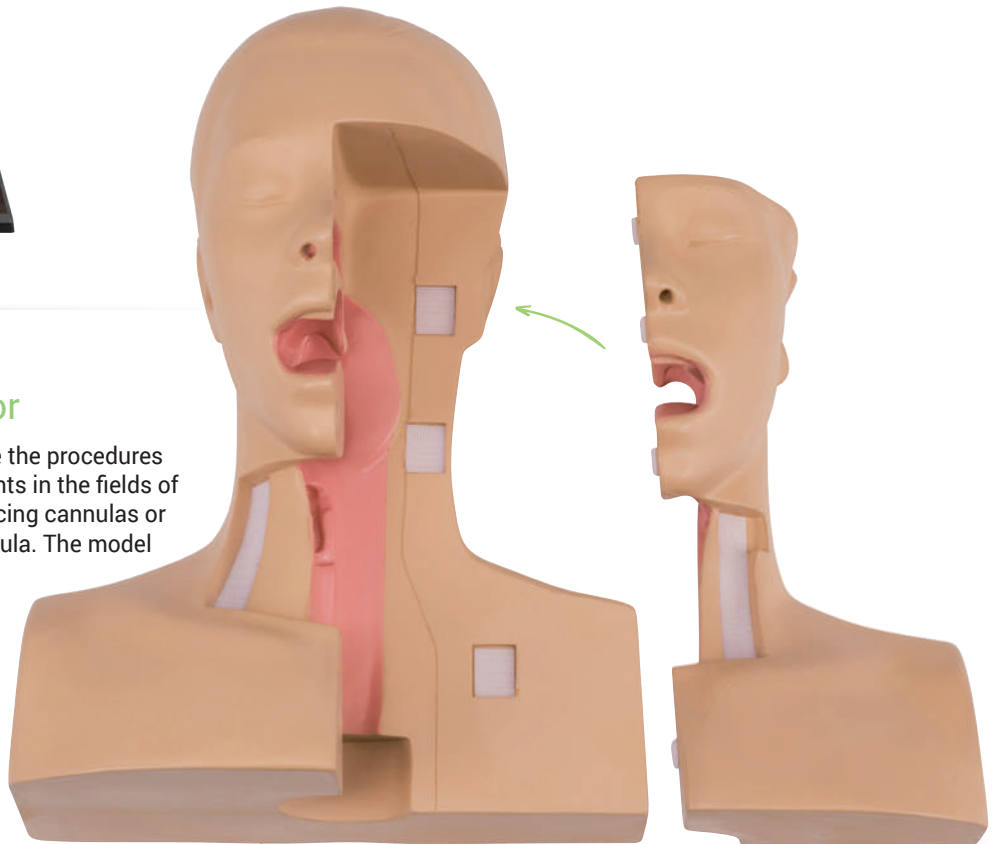
Ref.no. R10115

Details:



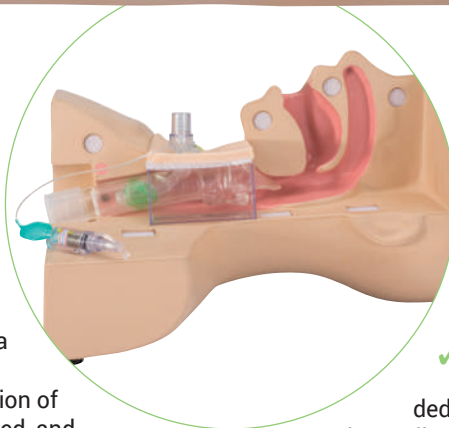
## Tracheostomy management simulator

This model can be used to practice the procedures carried out for tracheostomy patients in the fields of nursing and caregiving when replacing cannulas or performing suction through a cannula. The model can be divided into two halves and the trachea section is transparent, allowing confirmation of the state of cannula insertion and the position of the suction catheter in the cannula during suction. In addition, with the specially provided cannula attached, a ventilator can be operated by connection to a test lung (simulated lung) to the model.



### Features:

- ✓ Allows the user to practice the procedures for replacing cannulas.
- ✓ As the trachea section is transparent, the state of inflation of the cuff can be observed, and by using the specially provided cannula, the approximate optimum pressure can be confirmed. (Because the posterior wall of the trachea is soft, the user can feel the compression of the trachea that results when the cuff is overinflated.)
- ✓ The transparent trachea facilitates explanation of how the suction catheter should be positioned, and of how to perform suction using the upper part of the cuff. (The above mentioned practicing of suction procedures can be performed using the simulated sputum.)



- ✓ The soft neck surface skin allows the user to feel the thyroid cartilage through the surface skin.
- ✓ The detachable trachea section facilitates explanation of the areas where granulation tends to develop.
- ✓ A ventilator can be operated by attaching the specially provided cannula and connecting a test lung, allowing confirmation of the alarm tone generated when air leakage occurs.

Ref.no. LM106

Details:



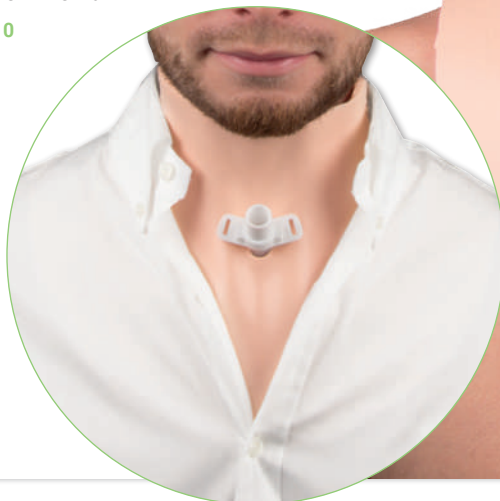


## Simulation breast plate for tracheotomy care

This throat-plate is designed to be worn like a necklace (attached behind the neck). Its main purpose is to practice exercises about handling and cleaning a tracheotomy tube, whether for medical professionals (nurses, care assistant...) or for the patients' close relatives. Supplied without tube. Note: This model is not designed for practicing surgery.

Ref.no. R66510

Details:



## Tube Feeding Simulator NG, OG and PEG

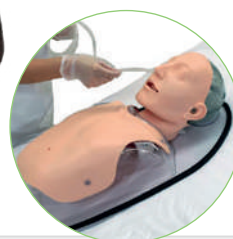
The Tube Feeding Simulator is an effective training tool for caregivers of patients with enteral tube nutrition as well as medical professionals. The manikin has three routes for EN tubes and allows training with real liquid

foods. To facilitate anatomical understanding, the feeding routes panel for demonstration and the chest anatomy to overlay the manikin come with the set. The placement of the tubes can be confirmed by auscultation as well as direct observation. This simulator is compact and portable. The neck is flexible to learn appropriate neck/head positioning. Oral/Nasal feeding tube insertion and PEG tube setting is possible. Tube placement can be confirmed by auscultation. The transparent structure allows direct observation of progress and placement of the tube. The manikin can be set at Fowler's position. Real liquid foods (formulas) can be administered.

The tube feeding routes panel and the chest sheet facilitate demonstration and anatomical understanding.

Ref.no. R16660

Details:







## PAT Professional Adipositas Trainer

With this new kind of suit students understand the perniciousness and painfulness of daily life with overweight and adipositas playful and easy. Our professional „Fatsuit“ represents this condition impressive and effective. This new acquired prospect supports the appreciation for the situation as well as points out the special needs of overweighted people. The field of application for the Professional adipositas trainer PAT is almost unlimited. It supports you in your work with overweighted people, can be used for prevention programs and graphically displays the effects of being overweighted on the students own body.

### PAT offers you:

- ✓ Gaining body weight within seconds. Adjustable in steps of 230 g, gradable up to max. 30 kg additional weight (which is an extreme experience since there is no slow increase)
- ✓ Gaining body volume, especially at preferred localizations like breast, belly, buttocks, thighs and upper arms

### The standard supply of PAT Professional Adipositas Trainer consists of:

- ✓ Weighted vest with variable weight. Standard comes with a total weight of 9 kg, can be extended to maximum 18 kg
- ✓ Weighted trousers with variable weight. Standard comes with a total weight 4,5 kg, can be extended to maximum 9 kg.
- ✓ Rugged trolley bag for transport and storage (volume suit is stored outside)
- ✓ Weight of vest will fit trousers and opposite.
- ✓ Volume suit (Unisex), washable, including outer wear.
- ✓ Instructions for use



#### unisex

Ref.no. 8001

Details:



#### male

Ref.no. 8001M

Details:



#### female

Ref.no. 8001W

Details:



## PAT Junior – Child Adipositas Trainer

Kids and Teenagers should experience the effects of adipositas and the limitations caused by too much body weight. With this experience they can be sensitized for healthy nutrition as well as develop empathy for adipose people. A perfect tool for nutrition education or social training. PAT Junior consists of a weighted vest with about 5kg as well as a volume suit for a body size of 125 to 160cm and a maximum waist of 100cm. The size can be adjusted by elastic straps on the back of the suit.



Ref.no. 8003

Details:





## EASi Empathic Age Simulator



This simulator was developed as a result of a long term research about age simulation. This suit imparts the main effects of aging, enabling you to change your point of view to reach your educational goals. EASi will help you if you work with aged people and you want to understand their view of the world around them. Or if you want to understand the needs of your aged customers and consider them in your business.

### It provides:

- ✓ Increased gravity experience because of reduced muscle strength because of aging (physiological after an age of 30)
- ✓ Changes in sense recognition especially in the fields of vision and hearing as well as ability in grasping and walking
- ✓ Progressive limitation of movement especially in the area of spine as well as shoulder and hip area

### The EASi Empathic Age Simulator consists of:

- ✓ A visor with exchangeable simulation foils (cataract, glaucoma and ARMD). Foils can be exchanged quick and easy by magnetic system.
- ✓ Weighted vest and shorts, adjustable to size and grade of handicap.
- ✓ Weighted shoes and gloves, size adjustable
- ✓ Modular rubber connections between head and trunk as well as arms and trunk. Adjustable to grade of handicap.
- ✓ Rugged trolley bag for transport and storage
- ✓ Instructions for use of the simulator
- ✓ Hemiparesis – module under development, will be available as an option soon.



Ref.no. 8002



## Age simulation Set

This unique set gives the opportunity to experience the inconvenience caused by aging. Joint restrictors, weights, fixators, ear plugs and goggles limit the abilities of the trainee in a way, that physical limitations of older people can be experienced very realistic. This impressive demonstration should be used in any medical education. It makes the students understand the problems of older patients and react appropriate.

Ref.no. LM60



### XL-Version

for people over 175 cm height or bigger body shape

Ref.no. LM102 (not pictured)



These **Goggles** make the trainee experience the changes in visual function such as the loss of the peripheral vision and the changes in visual function due to cataract.



### Gloves (left + right)

These gloves make the trainee feel loss of touch to the hands and fingers.

### Finger restrictors (left + right)

These restrictors limit the movement of the finger joints, which makes the trainee clumsy.

### Walking stick

Gives the experience how to support yourself with the stick.

### Ear plugs (50 pairs)

The ear plugs block high frequency sounds, which makes the trainee experience presbycusis

### Back protector

This protector restricts the posture of the trainee to force him/her to adopt a bent position specific to aging.

### Restrictors for the elbows (left + right)

These restrictors limit the motion of the elbow joints to make the trainee experience sluggish arms.

### Weight for the wrists (left + right)

These weights are loaded to the wrists to make the trainee experience the loss of the arm muscle strength

### Restrictors for the knee joints (left + right)

These restrictors limit the motion of the knee joint to make the trainee experience sluggish legs.

### Ankle weights (left + right)

These weights are loaded to the ankles to make the trainee experience the loss of leg muscle strength



# AgeMan®

## AgeMan® Premium Package Contents:

- ✓ Two-part suit containing weights for simulation of loss of strength at anatomical important positions
- ✓ Weighted vest 10 kg: Simulation of decreasing strength
- ✓ Special visor: limitation of field of vision, changing color vision and presbyopia.
- ✓ Goggles: enlarged possibilities of simulation
- ✓ Hearing absorber 60 plus: Simulation of hearing impairment, age related problems in understanding speech.
- ✓ Cervical bandage: reduced mobility in all three planes
- ✓ Joint bandages: reduced flexion of joints (available in XXL)
- ✓ Lumbar bandage: limitation in bending and stooping
- ✓ Gloves: Limitation in mobility of hand and finger joints.
- ✓ Cotton-gloves: decreasing sensibility of skin and reduced dexterity.



Adjustable for body size from 1,60 m to 1,90 m (available in XXL)

Ref.no. AMP01

Details:



## AgeMan® Basic Package Contents:

- ✓ Weighted vest 10 kg: Simulation of decreasing strength
- ✓ Special visor: limitation of field of vision, changing color vision and presbyopia.
- ✓ Hearing absorber 60 plus: Simulation of hearing impairment, age related problems in understanding speech.
- ✓ Cervical bandage: reduced mobility in all three planes
- ✓ Joint weights: Simulation of decreasing strength
- ✓ Joint bandages: reduced flexion of joints
- ✓ Gloves: Limitation in mobility of hand and finger joints.
- ✓ Cotton-gloves: decreasing sensibility of skin and reduced dexterity.



Ref.no. AMB01

Details:



## AgeMan® Compact Package Contents:

- ✓ Weighted vest 8 kg: Simulation of decreasing strength
- ✓ Glasses: changing color vision and presbyopia.
- ✓ Hearing absorber 50 plus: middle reduction of hearing based on scientific data.
- ✓ Cervical bandage: reduced mobility in all three planes
- ✓ Joint weights: Simulation of decreasing strength
- ✓ Joint bandages: reduced flexion of joints
- ✓ Gloves: reduced dexterity.

The perfect solution for age simulation for users who want to be mobile

Ref.no. AMC01

Details:



**Tremor Explorer:** Creates a frequency adjustable tremor (fine to mid-range, no Parkinson tremor)

Single (right)

Ref.no. AMT01

Details:



Duo (right and left)

Ref.no. AMT02

Details:



**Aging Glasses:** 6 glasses for experiencing age and disease related vision limitations. The glasses show AMD, glaucoma, hemianopsia, Cataract, presbyopia and retinopathy.

Ref.no. AMA01

Details:



## Hemiparesis Explorer:

Includes leg splint, elbow explorer, earplugs, glasses for hemianopsia and ankle weight.

Ref.no. AMH01

Details:







## Realistic Urinary Bladder – Catheterization – Training models

Named after historical figures Henri Dunant and Florence Nightingale, our professional training models realistically simulate and educate on proper transurethral bladder catheterization in both the male and female human. Their namesake represents our appreciation for important milestones in medical innovation and our commitment to setting new standards for patient care education. The pelvic housing is modular, allowing for the use of both male and female genital inserts while strictly maintaining the unique anatomical position of each. The innovative bladder is designed to accommodate these different anatomies and guarantee an uninterrupted urethral path from meatus to bladder neck.

Both anatomical inserts are made with high quality materials that closely simulate real human tissues in both appearance and feel while also remaining strong and durable. The shape of the bladder is specially designed to avoid the unrealistic resistance present in existing catheterization trainers. This helps prevent students from trying to “palpate” the back of the bladder as a way to correctly gauge insertion depth. The bladder also utilizes a new innovative type of valve, preventing unnatural resistance when the catheter enters the bladder. The bladder is also transparent, enabling the student the option to see the catheter’s position and depth. This provides excellent training on foley catheters as the user can actually watch the balloon inflate and be seated. The bladder connects easily to a provided fluid bag which provides natural “urine” flow following successful catheterization.

The male genitalia insert includes a replaceable foreskin, with extremely realistic mobility, to allow training of retraction, handling and other hygiene procedures. The model has the most realistic urethra of all currently available catheterization trainers in the market. All four zones of the urethra are represented with corresponding anatomical shape and resistance during catheterization. Also included is a strap which, when attached will simulate narrowing of the prostate due to BPH or prostate cancer. This module is an excellent to teach and show students exactly why the use of larger or more rigid catheter is critical in this situation.

The female genitalia insert is designed to require spreading the flexible labia in order to locate the urethral meatus. The female urethral opening is not immediately obvious and is located very close to the open vaginal canal highlighting the potential for unsuccessful catheterization. The urethra provides a realistic amount of resistance and feels life-like during catheter insertion.

This training model is available as combination with both genital inserts or as a male only or female only version. The inserts are also available for individual purchase so that customers can easily upgrade from a unisex model to a dual sex version.

Ref.no. 7030

Details:



**Trainer with male genital insert „Henri“ and female genital insert „Florence“.**

### Henri

Trainer with male genital insert

Ref.no. 7040

Details:



### Florence

Trainer with female genital insert

Ref.no. 7050

Details:

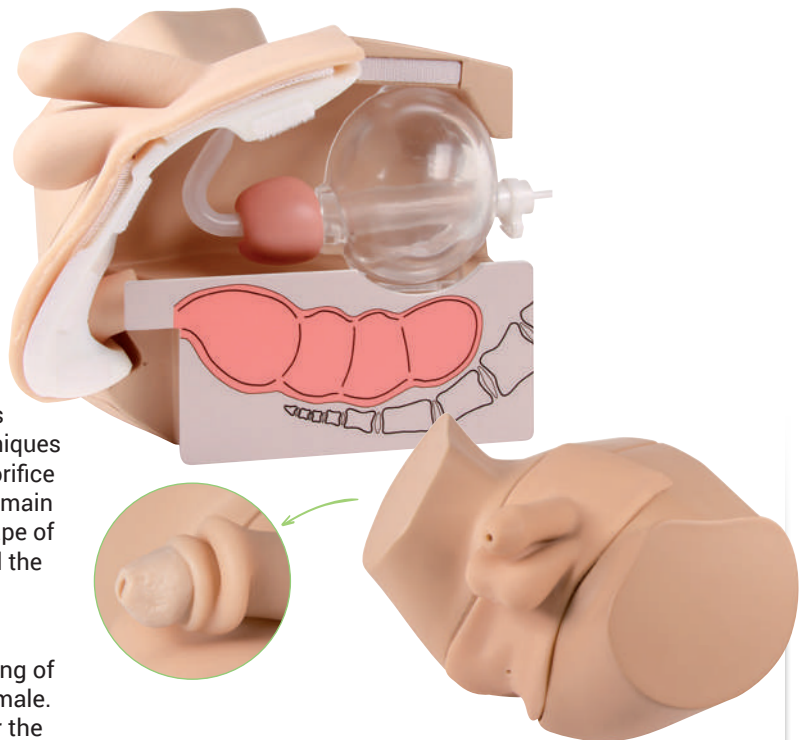


## Catheterization and Enema Simulator ♂

The simulator imitates the special shape of the urethral canal of a male patient. A urinary bladder catheter is inserted according to a suitable technique to reach the bladder. Reaching the bladder causes urine (water) to flow out. The feel of the penis is closely similar to that of a real human penis. Techniques such as disinfecting of surroundings of the urethral orifice and cleaning of the pubic area can be practiced. The main body can be separated at median line so that the shape of the urethra, the insertion position of the catheter, and the anatomical positional relationship can be studied.

### Features:

- ✓ The simulator is of actual size allowing the training of catheterization and glycerin enema for an adult male.
- ✓ Since soft and stretchable materials are used for the pubic area, the appearance and the feel are realistic when practicing.
- ✓ All techniques of catheterization, such as disinfecting of the pubic area, inserting, fixing, and removing the catheter, can be practiced.
- ✓ The simulator is shaped to imitate correct manipulation of the penis to allow passage through the urethra.
- ✓ Inserting the catheter will be difficult if the position of penis is not correct during insertion.
- ✓ Techniques, such as pulling back the foreskin, disinfecting and cleaning, can be performed.
- ✓ The movability of the penis is also close to that



- of a real human penis.
- ✓ This allows practicing to fix the penis.
- ✓ The main body can be separated, and the urethral canal and bladder are transparent. This allows instruction of checking the insertion state of the catheter into the urethral canal and the balloon in the bladder.
- ✓ By exchanging the prostate, the urethral stricture due to hypertrophy can be reproduced.
- ✓ The attached tool exclusive to a glycerin enema can be inserted through the anus to the rectum. This allows practicing a glycerin enema.

Ref.no. LM109  
Details:



## Catheterisation model ♀

What sets this model apart is its unparalleled realism in depicting the natural circumstances. The special plastic conveys to the user a realistic and lifelike feeling when inserting and removing the catheter. The urethra is designed to permit practicing catheterisation under real-life clinical conditions with normal catheters. A reservoir filled with fluid can be used to fill the simulated bladder, so that "urine" flows through the catheter once catheterisation has occurred. The anus is also equipped with a drain, making it possible to practice administering colonic irrigation with fluid. The external genitals are a natural casting in soft material, meaning the model is also suitable for practicing examinations and washing. Lower torso made of rigid plastic.

Ref.no. LM61  
Details:



## Catheterisation model ♀

Model like LM61, but to strap on on a manikin or person.

Ref.no. LM25  
Details:





**Catheterisation model** ♂

Use this realistic catheterization model to practice the proper insertion of a lubricated catheter. May also be used for teaching anatomy and sterile cleansing techniques before, during, and after insertion. Male catheter model anatomy includes rectum, seminal vesicle, bladder, pelvic bone, prostate, urethral sphincter muscle, urethral meatus, glans, scrotum, pelvic diaphragm, and anus. Model uses any catheter size 16 FR or smaller. Model includes instructions with anatomy diagram, and a storage box.

Ref.no. R11002  
 Details:



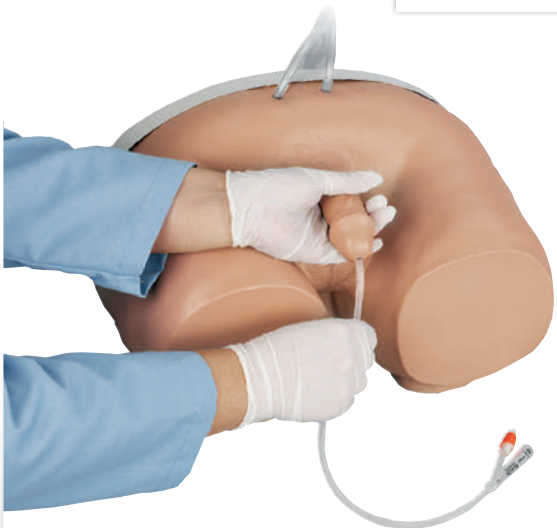
**Catheterisation model** ♀

Use this realistic catheterization model to practice the proper insertion of a lubricated catheter. May also be used for teaching anatomy and sterile cleansing techniques before, during, and after insertion. Anatomy includes rectum, uterus, bladder, pelvic bone, urethral sphincter muscle, clitoris, urethral meatus, labium minora, vagina, labium majora, pelvic diaphragm, and anus. Model uses any catheter size 16 FR or smaller. Model includes instructions with anatomy diagram, and a storage box.

Ref.no. R11003  
 Details:

**Male & female Catheterisation Model Set.**  
 Both models (R11002 + R11003) in an economic priced set.

Ref.no. R11004  
 Details:



**Catheterisation Simulator** ♂

This simulator consists of a male abdomen and allows you to feel the pressure and resistance caused by the mucosal folds, bulbous urethra and the internal urethral sphincter, just prior to the entrance into the bladder. When the catheter enters the bladder, artificial urine (water) will flow through the catheter. Proper positioning and movement of the penis during the catheterisation can be easily practiced. Delivered with catheter, lubricant and transport case.

Ref.no. R10855  
 Details:



**Catheterisation Simulator** ♀

This simulator consists of a female abdomen and allows you to feel the pressure and resistance when a catheter is passed through the urethra and sphincter into the bladder. When the catheter enters the bladder, artificial urine (water) will flow through the catheter. Realistically moulded external genitalia and perineum, labia minora, clitoris, urethral opening and vaginal introitus. Delivered with catheter, lubricant, carrying case.

Ref.no. R10856  
 Details:

## Catheterization Trainer with suprapubic access ♂ ♀

This new catheter training model comes with exchangeable male and female genitals. The male genital has a functional foreskin. Addresses training requirements for Nurse educators, Universities, Community colleges, Simulation lab coordinators, other nursing or continuing education personnel. Suitable for long-term care facilities and emergency room training.



### Features:

- ✓ Easily configurable between male or female.
- ✓ Suprapubic catheterization training.
- ✓ Replaceable and serviceable parts.
- ✓ Easy to clean and maintain.
- ✓ Rectal suppository and enema training.
- ✓ Disposable bladder works across all applications.

**Delivery:** Comes with 3 replaceable foreskins, 3 replaceable suprapubic skins and 3 replaceable bladders.

Ref.no. R10858

Details:



## Infant Catheterisation Trainer ♂ ♀

**Male and female.** This Catheterization Trainer is an inexpensive 2-in-1 trainer that provides realistic practice of this difficult skills procedure.

### Its repertoire:

- ✓ Practice insertion, position, catheter balloon inflation and deflation
- ✓ Feel resistance and pressure as with a real patient
- ✓ Urine flows when catheter is in proper position
- ✓ Practice both male and female infant catheterization training
- ✓ Anatomically realistic with both male and female genitals
- ✓ Genitals made of soft, lifelike material
- ✓ Replaceable male and female genitals
- ✓ Lower half of infant only



### Package Contents:

infant manikin, one male and one female genital insert, 2 oz. lubricant, infant Foley catheter, and instruction manual.

Ref.no. R10857

Details:







## Catheterization/Enema Simulator ♂ ♀

Basic high quality trainings in male or female: urethral catheterization, perineal care and enema. Soft and anatomically correct genitals and realistic feeling of catheter insertion. Organ unit can be used independently without the lumbar torso, allowing training with simulated patients or full body manikins in clinical settings. The newly devised modular system realize easy set-up, cleaning and maintenance, saving time and cost for training providers.

### The model can be used for training of:

- ✓ Intermittent catheterization
- ✓ Perineal care
- ✓ Location of urethral meatus
- ✓ Indwelling catheterization
- ✓ Enema
- ✓ Cleansing
- ✓ Catheter insertion and placement
- ✓ Withdrawal of catheter
- ✓ Manual bladder compression



### Features: Soft genitals allows realistic cleansing and procedures like

- ✓ parting the labia
- ✓ holding the penis perpendicular to body
- ✓ retracting the foreskin
- ✓ Successful catheter insertion is confirmed by urine (water) outflow.
- ✓ Manual bladder compression is possible.
- ✓ Enema training in lateral position.

#### Male version

Ref.no. R16630

Details:

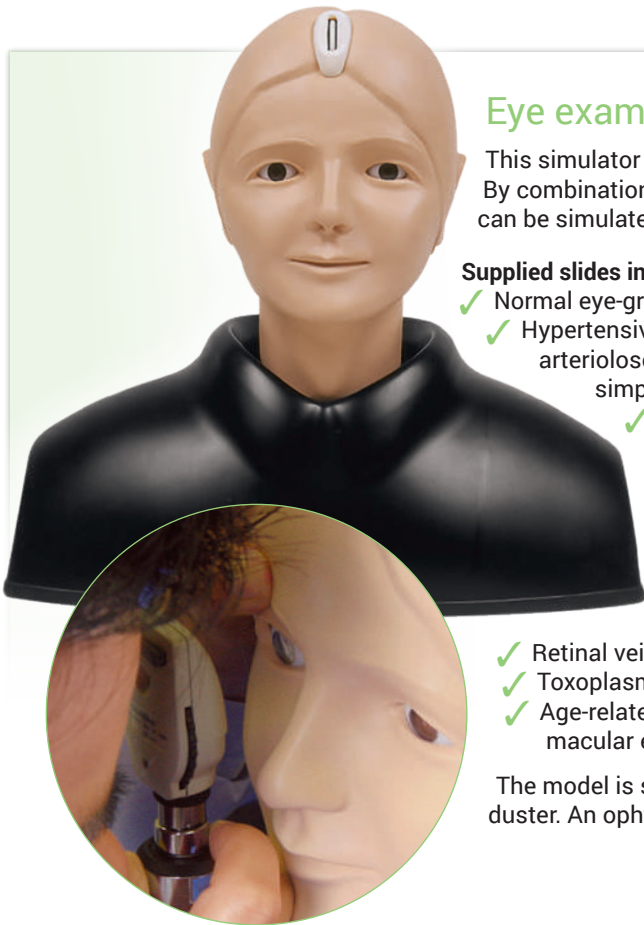


#### Female version

Ref.no. R16645

Details:





## Eye examination trainer

This simulator is an innovative teaching aid for fundus examination. By combination of slides, depth and pupil diameter 90 patient cases can be simulated.

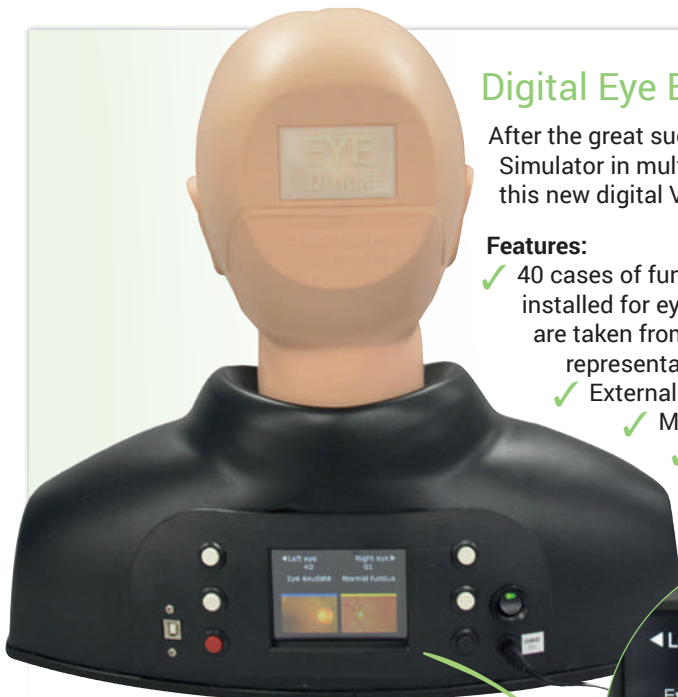
### Supplied slides include:

- ✓ Normal eye-ground
- ✓ Hypertensive retinopathy: arteriolar vasoconstriction grade 3, arteriolosclerosis grade 1, hemorrhages and cotton wool spot, simple vein concealment.
  - ✓ Simple/background diabetic retinopathy: microaneurysms, hemorrhages & hard exudates
- ✓ Papilloedema (chronic phase)
- ✓ Papilloedema (acute phase)
- ✓ Glaucomatous optic atrophy: glaucomatous optic disc cupping & nerve fiber bundle defect
- ✓ Retinal vein occlusion (acute phase): flame-shaped hemorrhage & cotton wool spots
- ✓ Retinal vein occlusion (after retinal laser photo-coagulation)
- ✓ Toxoplasmosis: retinochoroiditis
- ✓ Age-related macular degeneration: macular exudates & subretinal hemorrhage.

The model is supplied completely with slide rack and slide duster. An ophthalmoscope is not supplied with the model.

Ref.no. R16100

Details:



## Digital Eye Examination Simulator

After the great success of the previous eye examination Simulator in multiple simulation centers and skills labs, this new digital Version offers various innovations.

### Features:

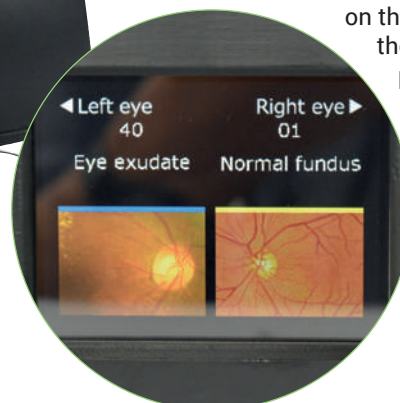
- ✓ 40 cases of fundus images (including 10 common diseases) are pre-installed for eye examination training. The pre-programmed fundus images are taken from actual cases in order to properly reproduce appropriate representative views of the eye unit.
- ✓ External fundus images can be uploaded into the simulator via USB.
- ✓ Monitor with 160dpi high resolution.
- ✓ Suitable for eye examination training with all types of direct ophthalmoscopes.

The soft skin manikin has a display on the back that allows to change the cases for each eye by simply pressing a button. The pupil size can be adjusted.

Economic Version without screen and upload option

Ref.no. R16111

Details:



Ref.no. R16110

Details:







### Ear examination Simulator

This simulator is perfect for training the examination of the external acoustic meatus and tympanic membrane. It is designed for training in distinguishing cases and also practicing earwax and foreign body removal. The simulator has a sensor, that recognized painful insertion of the otoscope. This can be displayed either with a sound or a light indicator. The light indicator is meant to be used in a test situation and is not visible for the student. The simulator comes with two sizes of auditory canals and 9 cases that can be switched easily.

**The following cases are included:**

- ✓ Normal
- ✓ Serous otitis media; SOM
- ✓ Mucoïd otitis media; MOM
- ✓ Chronic otitis media with perforation
- ✓ Acute suppurative otitis media, AOM
- ✓ Cholesteatoma
- ✓ Tympanosclerosis
- ✓ Traumatic perforations
- ✓ Cerumen block

Supplied with simulated earwax, small toy and small sponge sphere for training of removing foreign bodies.

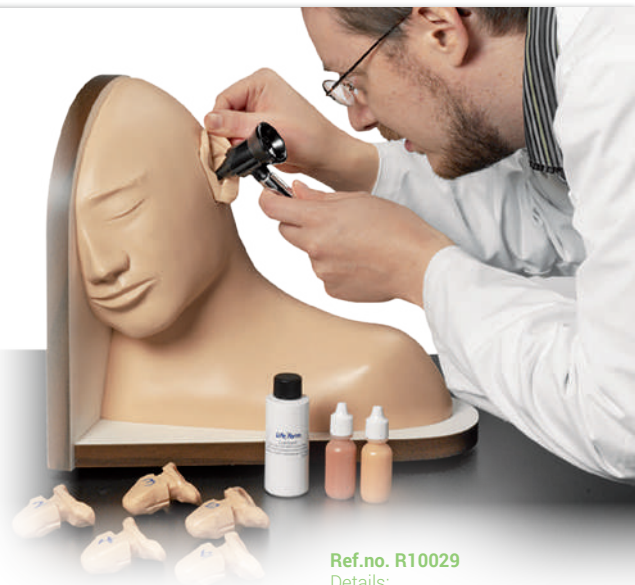
Ref.no. R16115



### Ear examination simulator

This simulator allows practice in the examination of the ear. It consists of a head with 6 interchangeable flexible ears with lifelike external and internal structures. Embedded colored prints in 5 out of the 6 ears allow the diagnosis of various pathologies. One ear is not colored, but can be used for earwax removal exercises. The simulator is supplied with 2 tubes of synthetic earwax, nine 35mm slides (5 conditions as below plus 4 conditions of our supplementary set) and a carry-on-case. An Otoscope is not included. The following normal conditions and pathologies can be observed:

- ✓ Normal tympanic membrane
- ✓ Mucoïd otitis media
- ✓ Serous otitis media with fluid level
- ✓ Chronic otitis media with perforation
- ✓ Normal tympanic membrane with slanted ear canal



Ref.no. R10029



### Supplementary ears

This set includes 4 ears on which allow observation of the following pathologies:

- ✓ Chronic otitis media with large perforation
- ✓ Attic cholesteatoma (A)
- ✓ Attic cholesteatoma (B)
- ✓ Atelectatic middle ear otitis and tympanosclerosis

Ref.no. R10029-1



## Diagnostic and procedural ear trainer

Now with this new trainer, students, residents, and practicing physicians can master the skills needed to examine the human ear using visual cues, correctly diagnose common diseases, clean the ear canal, remove a foreign body, and perform a myringotomy with ear tube insertion. For the ultimate in realism, the middle ear can be filled with various fluids. The instructor controls the color and consistency of the fluids. Another feature that brings this trainer as close to life as possible is the inclusion of nine diagnostic cartridges with full-colour photo prints illustrating:



- ✓ Normal tympanic membrane
- ✓ Mucoïd otitis media
- ✓ Serous otitis media with an airfluid level
- ✓ Chronic otitis media with small and large tympanic membrane perforations
- ✓ Two views of attic cholesteatoma
- ✓ Atelectatic middle ear otitis
- ✓ Tympanic sclerosis

Trainer comes complete with two ears, approximately 100 pre-cut eardrums, specially formulated ear wax, one standard middle ear cartridge with syringe, adjustable stand, and a hard carry case. Otoscope, ventilator tubes, and surgical instruments are not provided.

Ref.no. R10900



## Pneumatic Otoscopy Kit

This option offers an additional feature for the Diagnostic and Procedural Ear Trainer. Now with the feedback offered by this kit, students, residents, and practicing physicians can learn how to generate the correct amount of air pressure needed to perform accurate pneumatic otoscopy to test for tympanic membrane mobility. Kit includes a pneumatic pressure gauge, two pneumatic ears with pressure tubing, and a package of approximately 100 eardrums.

Ref.no. R10901



## Blood pressure Training System

The Blood Pressure Training System includes a full-size adult left arm that may also be attached to some of our nursing manikins. This is a versatile training tool developed to assist health professionals teach the processes and skills required to perform blood pressure auscultation procedures and techniques. Features:



- ✓ Full size left arm that may also be attached to some manikins
- ✓ Programmable, palpable radial pulse when cuff pressure is less than the selected systolic blood pressure
- ✓ Korotkoff sounds K1 through K4 (K5 is silence) audible between systolic and diastolic pressures
- ✓ Korotkoff sounds automatically silenced if auscultation gap is selected
- ✓ Korotkoff sounds automatically adjusted depending upon selected heart rate and the rate of cuff deation
- ✓ Conventional stethoscope to auscultate Korotkoff sounds in the antecubital area
- ✓ Programmable Blood Pressure Auscultation Tutor
- ✓ Adjustable systolic and diastolic pressures
- ✓ Adjustable auscultation gap
- ✓ Adjustable pulse rate
- ✓ Display tracks cuff pressure
- ✓ Optional speakers with volume control allow students to hear what the individual student hears while using the stethoscope
- ✓ Soft carrying bag
- ✓ Instruction manual

Ref.no. R11200



## Blood Pressure Simulator with iPod Technology

iPod® user interface in a training device for teaching blood pressure skills. This standalone unit incorporates sphygmomanometer placement, palpation of the radial pulse, variable systolic and diastolic pressures from 0-300 mm Hg in two mm increments, variable amplitude of sound heard at the antecubital site, sound jack for group listening, auscultatory gap setting, and heart rate settings. This battery operated trainer can be plugged into AC

to save batteries. The trainer comes with an iPod®, AC adapter, BP cuff, and a carry bag.

Ref.no. R11210





## Auscultation Simulator

An invaluable teaching aid to study heart diseases, especially those that students or doctors do not hear very often during their practical work. This model is the first one in the world to simulate the characteristic changes in heart sounds and murmurs associated with uncommon heart conditions. The simulator reproduces 20 different heart sounds at 4 positions (aortic, pulmonic, tricuspid, and mitral valves) as well as 10 different respiratory sounds at 3 positions. All sounds can be heard by using a stethoscope. The heart rate can be adjusted. Consists of a soft-skin torso, a smartscope and a digital remote control with English display.

Ref.no. R10001

Details:




### Smartscope

Additional Stethoscope for Auscultation Simulator R10001.

Ref.no. R10002  
Details:



Additional remote control for R10001:  
Ref.no. R10002A



### Speaker for Auscultation Simulator

If this speaker is connected the heart and lung sounds can be heard by the whole class or group. With Amplifier. For Auscultation Simulator R10001.

Ref.no. R10003  
Details:





### Child heart and lung sounds auscultation trainer

This self-contained heart and lung sound generator delivers site specific sounds of a four-year old, delivered through ten lung speakers and a heart speaker located in the normal auscultation sites for pediatric assessment. The use of speakers in these locations enables the use of any stethoscope without incurring additional cost for special equipment. The unit can be run using the special handheld remote control. An external speaker jack supports broadcasting the sounds during your classroom introduction to lung and heart sounds, or you can use it for audible testing more than one student at a time. A selector control allows classroom broadcasts of speakers in specific locations so that students hear precise sound anomalies encountered when they auscultate the manikin. No programming installation is required. The unit comes with a power cord, user reference, and carry case.

Ref.no. R11000  
Details:




## Auscultation simulator MATT

Matt is a highly effective simulator for learning cardiac, pulmonary and abdominal auscultation. The extensive sound library enables cost and time efficiency in your training programs. With MATT, your trainees learn how to evaluate auscultation results quickly and easily. The sound library complies with the guidelines of the American Thoracic Society and includes 39 heart, 12 lung and 14 abdominal sounds. It has anterior and posterior auscultation points, all auscultation points can be marked with LEDs. The auscultation sounds can be transmitted to external loudspeakers. MATT is compatible with standard stethoscopes. Vary the difficulty of the diagnosis: from clear clinical findings to the detection of quiet noises. With the flexible control tablet you can:

- ✓ Activate or deactivate the LED marking of the auscultation points individually.
- ✓ Adjust the volume and intensity of the tones.
- ✓ adjust the HR and RR for the played tones.
- ✓ Compare sound recordings.

The simulator software enables auscultation in four relevant areas: heart, lung (anterior & posterior) and abdominal quadrants. Two different sounds can be compared within an auscultation range. ECG and respiratory rate graphs are also displayed. The breathing and heart rate are adjustable. Representation of sound, EKG and respiratory rate.

### Cardiac auscultation

- ✓ Normal heart sound
- ✓ Split first heart sound
- ✓ Split second heart sound
- ✓ Third heart sound (gallop)
- ✓ Fourth heart sound (gallop)
- ✓ Functional murmur
- ✓ Diastolic murmur
- ✓ Opening snap
- ✓ Holosystolic murmur
- ✓ Early systolic murmur
- ✓ Mid-systolic murmur
- ✓ Continuous murmur
- ✓ Austin Flint murmur
- ✓ Pericardial rub
- ✓ Graham Steell's murmur
- ✓ Aortic valve regurgitation
- ✓ Aortic valve stenosis
- ✓ Aortic stenosis and regurgitation
- ✓ Mitral valve regurgitation
- ✓ Mitral valve stenosis

### Auscultation of lungs (anterior & posterior)

- ✓ Bronchial respiration
- ✓ Vesicular respiration
- ✓ Diminished vesicular respiration
- ✓ Coarse crackles
- ✓ Fine crackles
- ✓ Wheezes
- ✓ Rhonchi

- ✓ Stridor
  - ✓ Pleural friction rub
  - ✓ Pneumonia
  - ✓ Asthma
  - ✓ Pneumothorax
- ### Abdomen auscultation
- ✓ Normal bowel sound
  - ✓ Hyperactive sounds
  - ✓ Hypoactive sounds
  - ✓ Borborygmus
  - ✓ Capotement
  - ✓ Peritoneal friction rub
  - ✓ Normal bowel sound with bruits
  - ✓ Irritable bowel syndrome

Adult MATT  
Ref.no. R61000



Paediatric MATT  
Ref.no. R61100







## Lung Sound – Auscultation Trainer "LSAT" ver.2



This unique trainer can offer more efficient and effective respiratory auscultation training. The physical status of the patient is controllable by a touch screen tablet computer

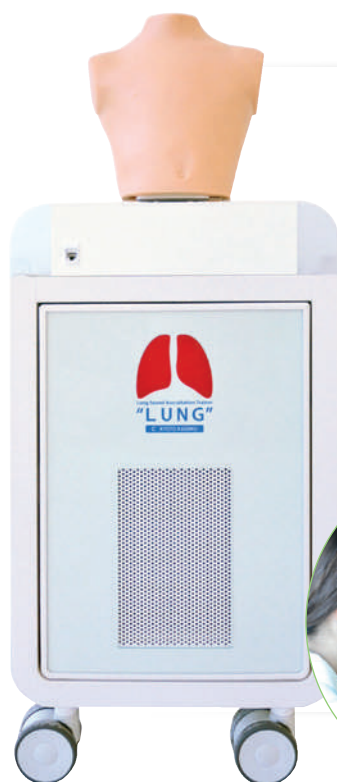
The Simulator includes 36 Patient cases with case information such as X-Ray, CT and bronchoscopy images. The body includes 7 anterior or 8 posterior auscultation sites that can be auscultated using any normal stethoscope. This allows more than one student to listen simultaneously on one simulator. All sounds are classified after the American Thoracic Society. An integrated LED light indicates the inspiration and expiration phase synchronous to the sounds (can be switched off). Background heart sounds are present and can be adjusted in volume.

The system comes completely pre-configured and on a roller base (can be removed for tabletop usage). It has an automatic Error Check function during initialisation of the system.



Ref.no. R16688

Details:



## Pediatric Lung Sound Auscultation Trainer



Based on the unique LSAT Trainer this pediatric auscultation trainer offers multiple pediatric cases for advanced lung auscultation training. The physical status of the patient is controllable by a touch screen tablet computer

The Simulator includes 20 Patient cases with case information such as X-Ray, CT and bronchoscopy images. The body includes 5 anterior and 6 posterior auscultation sites that can be auscultated using any normal stethoscope. This allows more than one student to listen simultaneously on one simulator. All sounds are classified after the American Thoracic Society. An integrated LED light indicates the inspiration and expiration phase synchronous to the sounds (can be switched off). Background heart sounds are present and can be adjusted in volume.

The system comes completely pre-configured and on a roller base (can be removed for tabletop usage). It has an automatic Error Check function during initialisation of the system.



Ref.no. R16689

Details:





## Cardiology Patient „K“, Vers.2

**NEW PRODUCT**

The perfect cardiac patient for observation, palpation and auscultation training in cardiology. The following skills can be taught and practiced:

- ✓ Observation of the jugular veins
- ✓ Palpation of the arterial pulses at 8 places
- ✓ Auscultation of heart and lung sounds
- ✓ Observation and palpation of the heartbeat in three places
- ✓ 88 electrocardiograms

The model is controlled wirelessly via a touch-screen and can be programmed according to your own training needs. An integrated self-test routine minimizes the maintenance and control effort. The system is fully configured and can be used without any technical knowledge.

Ref.no. R16677

Details:



## Combination package of patient "K" and LSAT auscultation trainer

This inexpensive combination uses the same computer system either for the cardiological patient or for the LSAT auscultation system. An economical solution wherever both systems should not be used at the same time.

Ref.no. R16699

Details:





## Abdominal Assessment Simulator

Most realistic model for abdominal assessment training. Accurate landmarks and anatomy, and interchangeable organs of different conditions. The simulator facilitates effective hands-on training programs. Features:

- ✓ Percussion of Liver and Spleen.
- ✓ Life like skin reproduces the palpation feeling of real human
- ✓ Auscultation of renal, aortic and iliac artery bruit
- ✓ Auscultation of bowel sounds (normal, subileus)
- ✓ Palpation of:
  - Liver (normal /chronic hepatitis /cirrhosis)
  - Spleen (normal /slightly enlarged /enlarged )
  - Kidneys (normal / cysts/ hydronephrosis )
  - Inguinal area (normal /lymphoma)
  - Uterus (normal / fibroid)

The organs can be changed fast and easy, breathing movement can be simulated.

Ref.no. R16655

Details:



## Physiko Plus

Physiko is a physical assessment training simulator for students of medical and nursing programs. Preset patient scenarios facilitate trainings in assessment procedures, as well as hands-on knowledge with important abnormal findings. Your own scenarios can be created for various trainings and individual skills training is also available. Physiko comes with 12 typical Patient cases, additional cases can be created by combining the built-in patient conditions.

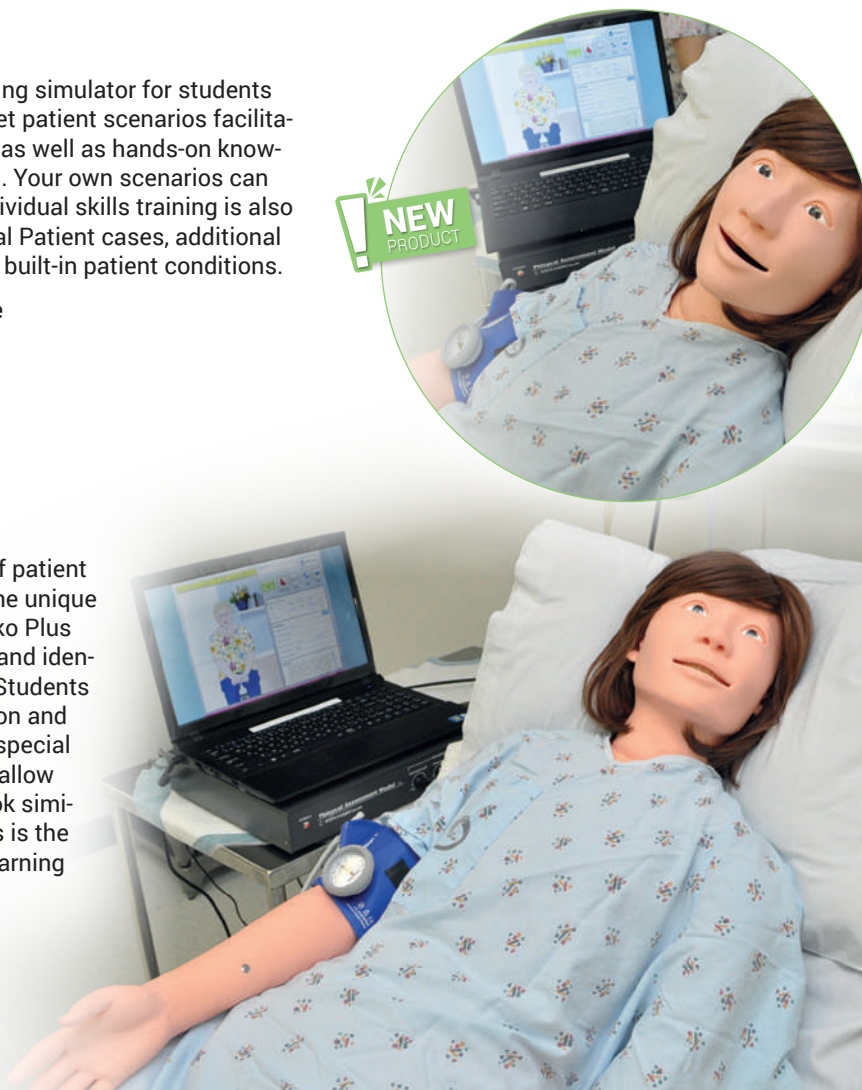
**The following Examination skills can be trained using Physiko Plus:**

- ✓ Pupillary reflex
- ✓ Blood pressure
- ✓ Auscultation of lung sounds
- ✓ Auscultation of heart sounds
- ✓ Auscultation of bowel sounds
- ✓ ECG simulation

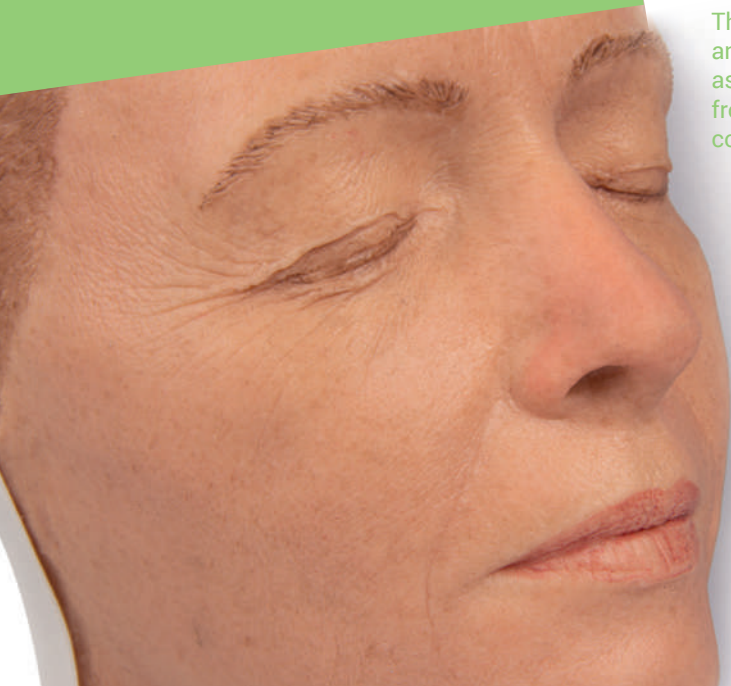
An integrated speaker allows training of patient communication using a microphone. The unique "learning-to-listen" feature of the Physiko Plus allows students to recognize, describe and identify the physical examination findings. Students will develop excellent skills in recognition and interpretation of clinical findings. Nine special modules with contrasting scenarios to allow training in distinguishing cases that look similar on the first impression. Physiko Plus is the perfect training tool for teaching and learning physical examination of a patient.

Ref.no. R16000

Details:



# EXERCISE MODELS FOR FACIAL INJECTIONS



These handcrafted face models are made of soft Material and offer a lifelike touch. Developed, tested and approved as exercise models for cosmetic injections. Choose from 7 different people including different skin colors, face shapes and wrinkle forms.



**Version A**  
Ref.no. 8100  
Details:



**Version B**  
Ref.no. 8110  
Details:

**Version C**  
Ref.no. 8120  
Details:

**Version D**  
Ref.no. 8130  
Details:



**Head with half sided muscles**

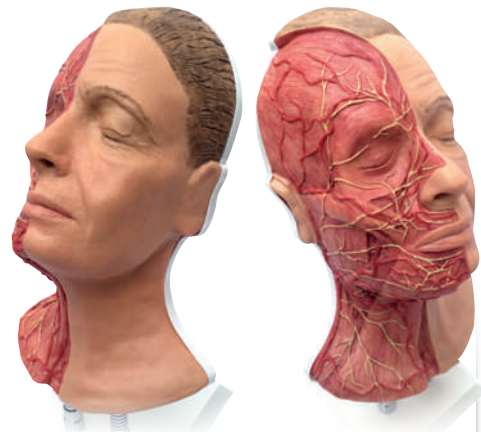
**Ref.no. 8200**  
Details:



**Version E**  
Ref.no. 8140  
Details:

**Version F**  
Ref.no. 8150  
Details:

**Version G**  
Ref.no. 8160  
Details:



**Head with muscles, arteries and nerves**

**Ref.no. 8210**  
Details:



## Paediatric Lumbar Puncture Simulator

Infants commonly require lumbar puncture as a diagnostic procedure used to collect a sample of cerebrospinal fluid (CSF), measure cerebrospinal fluid pressure, or to inject medications intrathecally. The Pediatric Lumbar Puncture Simulator represents a 10-12 month old infant placed in a left lateral decubitus position with the neck and knees flexed, approximating the necessary fetal position. The embedded iliac crest offers exceptional realism, while the removable spine, spinal canal and skin pad make training simple and hassle-free. Lumbar puncture may be performed in the L3-L4, L4-L5, or L5-S1 spaces. The correct site can be located by palpating the iliac crest and spine. A small “give” will be felt as the spinal needle is advanced slowly into the proper space. Fluid will flow when the needle is in proper position. Students will appreciate the opportunity to practice this delicate but commonly performed procedure on a simulator that is both appealing and anatomically accurate. The Pediatric Lumbar Puncture Simulator arrives attached to a board for stability during practice. The infant measures 48 x 18 x 15 cm and the board measures 50 x 30 cm. Includes the Pediatric Lumbar Puncture Infant on a sturdy board, one lumbar puncture pad with spine and spinal tubing, IV bag with tubing, baby powder, hard carry case, and instruction manual. Fluid supply stand and needle not included.



### Benefits:

- ✓ Targets key skills specific to pediatric lumbar puncture procedures
- ✓ Palpation of landmarks
- ✓ Skin preparation
- ✓ Needle positioning and insertion
- ✓ Cerebrospinal fluid collection
- ✓ Measure cerebrospinal fluid pressure
- ✓ Intrathecal injections

### Features:

- ✓ Anatomically correct and palpable
- ✓ Correct body positioning
- ✓ Lumbar pad is easy to replace
- ✓ Realistic resistance
- ✓ Simulated CSF flows with successful puncture

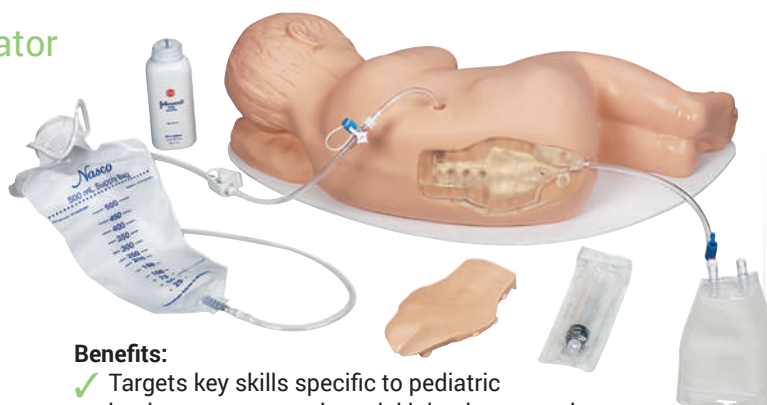
Ref.no. R11031

Details:



## Pediatric Caudal Injection Simulator

Caudal block is widely used as a safe, easy, and effective method of regional anesthesia in pediatric surgery. This unique dual purpose simulator represents a 12-month old infant in the left lateral decubitus position with neck and knees flexed. Retaining all the functions of the Pediatric Lumbar Puncture Simulator R11031, the Pediatric Caudal Injection Simulator also includes an anatomically correct coccyx with sacral hiatus for the most realistic practice possible. Features include embedded iliac crest for exceptional realism, removable spine, tactilely correct spinal canal, and two soft skin pads – one transparent for preliminary anatomic study, and one opaque for more advanced hands-on training. Fluid flow provides immediate feedback on proper needle placement for either procedure. Students will appreciate the opportunity to practice these two important procedures on a single simulator that is both appealing and anatomically accurate. The Pediatric Caudal Injection Simulator arrives attached to a board for stability during practice. The infant measures 51 x 18 x 15 cm and the board measures 56 x 25 cm. Includes the Pediatric Caudal Injection Infant on a sturdy board, two skin pads with spine and spinal tubing, IV bag with tubing, baby powder, hard carry case, and instruction manual. Fluid supply stand and needle not included. Weight: 10 kg.



### Benefits:

- ✓ Targets key skills specific to pediatric lumbar puncture and caudal injection procedures
- ✓ Palpation of landmarks
- ✓ Needle positioning and insertion
- ✓ Cerebrospinal fluid collection
- ✓ Measure cerebrospinal fluid pressure
- ✓ Intrathecal injections
- ✓ Practice two procedures with one simulator

### Features:

- ✓ Anatomically correct and palpable
- ✓ Correct body positioning
- ✓ Skin pad is easy to replace
- ✓ Realistic resistance
- ✓ Simulated CSF flows with successful puncture
- ✓ Transparent skin pad allows visualization of landmarks
- ✓ Immediate feedback for proper needle placement

Ref.no. R11032

Details:



Replacement set  
Ref.no. R11032A

Details:





## Baby Step

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

Ref.no. R10105

Details:



## Paediatric Lumbar Puncture Simulator

This Lumbar Puncture Simulator has been designed by medical education experts to enhance formal LP procedural skills training and assessment. It allows students and medical professionals to practice frequently and achieve high levels of procedural competence without placing any patients at risk of harm.

### Features:

- ✓ Closely simulates the lumbar anatomy including the anatomical landmarks.
- ✓ Provides life-like sensation of both skin and tissue resistance to the spinal needle.
- ✓ Allows students to both collect CSF fluid and measure CSF fluid pressure under clinically realistic conditions.
- ✓ The transparent puncture block allows direct observation of both the anatomy and the spinal needle path.

Ref.no. R16608

Details:



## THORAXIS Thoracic Neuraxial Simulator

The THORAXIS Thoracic Neuraxial Simulator is the ideal training simulator for common neuraxial blocks. The ultrasound compatible model contains anatomical structures found in the thoracic region and realistic dural puncture similar to a human patient. With the realistic loss of resistance and fluid filled intrathecal space users are able to locate the correct target sites. THORAXIS forms the basis of your thoracic neuraxial training.

### Features:

- ✓ Spinal space (fluid filled tubing simulates dural click and CSF confirmation).
- ✓ Epidural space (simulate LOR technique).
- ✓ Vertebral bodies (locate interspace with visible and palpable spinous processes).
- ✓ Ligamentum flavum (tough and gritty texture provides realistic tactile feel).
- ✓ Scapular Angles (Superior and inferior angles of scapula serve as anatomical landmarks).

### Training Techniques:

- ✓ Epidural LOR (Identify Epidural Loss of Resistance)
- ✓ Catheter Placement (Insert Epidural & Spinal Catheters)
- ✓ Ultrasound Compatible (Increase Ultrasound Competency)

Replacement Core

Ref.no. R66700A

Spinal Tube

Ref.no. R66700B

Fill Line & Syringe

Ref.no. R66700C

Transport Case

Ref.no. R66700D

Ref.no. R66700

Details:





## Epidural-Spinal Injection Simulator Genesis

The GENESIS Epidural-Spinal Injection Simulator is the ideal training simulator for common neuraxial blocks. This ultrasound compatible model contains anatomical structures found in the lumbar region and realistic dural puncture similar to a human patient. With the realistic loss of resistance and fluid filled intrathecal space users are able to locate the correct target sites. GENESIS is the beginning of lumbar block proficiency.

**Features:**

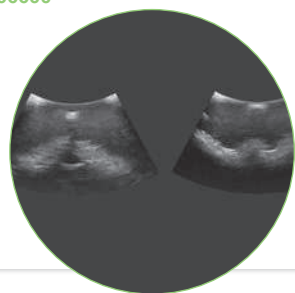
- ✓ Spinal space (Fluid filled tubing simulates dural click and CSF confirmation)
- ✓ Epidural space (Simulate LOR technique)
- ✓ Vertebral bodies (Locate interspace with visible and palpable spinous processes)
- ✓ Ligamentum flavum (Tough and gritty texture provides realistic tactile feel)
- ✓ Iliac crest (Standard landmark for L4 spinous process)

**Training Techniques:**

- ✓ Epidural LOR (Identify Epidural Loss of Resistance)
- ✓ Lumbar Puncture (Confirm Spinal Placement with Fluid Indication)
- ✓ Catheter Placement (Insert Epidural & Spinal Catheters)
- ✓ CSE Technique (Ideal for Combined Spinal Epidural Technique)
- ✓ Ultrasound Compatible (Increase Ultrasound Competency)

Additional puncture pad for geriatric and obese training available. Supplied with two puncture pads and six spinal tubings.

Ref.no. R66600



**Spare cores**

(each core comes with three spinal tubings)

Standard Ref.no. R66600A

Obese Ref.no. R66600B

Geriatric Ref.no. R66600C

**Spinal Tubing (set of three)**

Standard Ref.no. R66600D

Thin wall Ref.no. R66600E

**Fill line and syringe**

Ref.no. R66600F

**Transport and storage case**

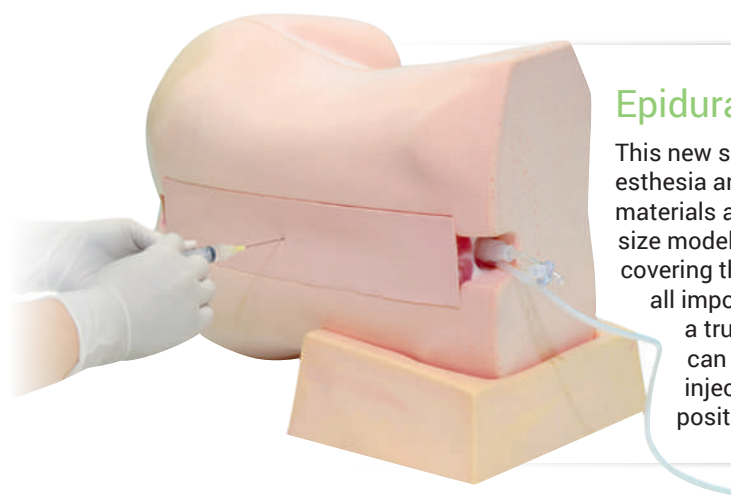
Ref.no. R66600G

## Epidural Anesthesia Simulator

This new simulator allows training of epidural anesthesia and lumbar puncture. It is made of lifelike materials and provides realistic touch and feel. The life size model has an anatomically correct spinal column covering the spine region from Th7 to L5. It includes all important landmarks for palpation. It provides a true to-life resistance and a "pop" can be felt through the needle during injection. Left or right lateral patient position is possible for training.

Ref.no. R16603

Details:



## Lumbar epidural injection trainer

The Trainer is designed to help trainee anesthetists acquire the necessary tactile skills for epidural anesthesia prior to hands-on patient experience. If the epidural needle is inserted too deeply a slight resistance is felt before the needle penetrates the dura.

### Features:

- ✓ Tactile and visual access to the lumbar spine, the epidural space and the dural sac
- ✓ Can be positioned in lying or lateral recumbent position
- ✓ Spinous processes and the interspinous spaces are palpable beneath the skin
- ✓ Epidural injection is carried out using either air or saline to detect loss of resistance and if accidental dural puncture occurs, "cerebrospinal fluid" will appear.
- ✓ Can be easily dissembled at any time to show position of needle during penetration
- ✓ Consists of skin, muscle layer, ligamentum flavum, vertebral bones and intra-spinal ligament
- ✓ Supplied with an all-metal Tuohy needle and a loss of resistance syringe



Standard spare parts:

**Fluid filled spinal cords (length 15 cm) pre-filled tubes supplied as standard set of 5**

Ref.no. R10077A

**Replacement Skin**

Ref.no. R10077B

Additional Options:

**Upgrade kit for simulation of obese patients**

Ref.no. R10077-1

**Extra long tubes for use with large groups when practising lumbar puncture techniques. Set of 3.**

Ref.no. R10077-2

Ref.no. R10077

Details:

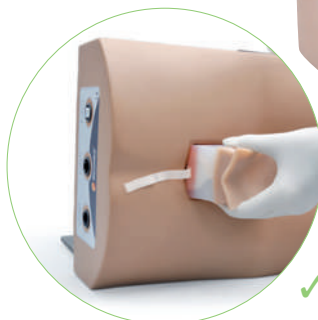


## Lumbar Puncture Trainer

Provides realistic tactile feedback combined with a fluid supply and pressure system, allowing the collection of CSF and measurement of opening pressure. Ideal for practicing injection of local anesthesia, aseptic technique, needle insertion between vertebrae, lumbar puncture, and epidural.

### Features:

- ✓ Replaceable spinal cord insert with skin layer, subcutaneous layer, connective tissue, and lumbar vertebrae
- ✓ Anatomic features include: iliac crests, lumbar vertebrae L2 – L5, ligamentum flavum, epidural space, and dura
- ✓ Needle insertion possible between vertebrae
- ✓ Lifelike needle resistance, including pops when needle traverses ligamentum flavum and dura
- ✓ Self-healing skin that allows 15 uses with an 18 gauge needle and 25 uses with a 22 gauge needle before replacement is necessary
- ✓ Simple to fill simulated CSF and set fluid pressure, thereby allowing students to collect CSF and measure CSF opening pressure



- ✓ Pressure system with simple push-button operation to increase or decrease pressure
- ✓ LED displays pressure set-point ranging from low, medium to high pressure
- ✓ Practice procedure in the left lateral decubitus or sitting position
- ✓ Trainer can be used to simulate aseptic technique and local anesthetic at puncture site.

Ref.no. R11030

Details:





## Lumbar puncture simulator

This Lumbar Puncture Simulator has been designed by medical education experts to enhance formal LP procedural skills training and assessment. It allows students and medical professionals to practice frequently and achieve high levels of procedural competence without placing any patients at risk of harm.

### Features:

- ✓ Closely simulates the lumbar anatomy including the anatomical landmarks.
- ✓ Provides life-like sensation of both skin and tissue resistance to the spinal needle.
- ✓ Allows students to both collect CSF fluid and measure CSF fluid pressure under clinically realistic conditions.
- ✓ Comes with a separate anatomical model of the lumbar spine to facilitate anatomical understanding.
- ✓ The transparent puncture block allows



direct observation of both the anatomy and the spinal needle path. Six blocks included. 2 normal CSF, 1 obesity CSF, 1 senior CSF, 1 senior obesity CSF, 1 epidural

- ✓ 3 lumbar region support bases: sitting position, lateral position, team teaching
- ✓ A thorough guidebook to the relevant anatomy, physiology, indications and performance of the lumbar puncture. Included also is a guide to CSF fluid analysis and LP risk management.

Ref.no. R16605

Details:



Replacement skin

Ref.no. R16605H



## Ultrasound Compatible Lumbar Puncture / Epidural Simulator

Ultrasound compatible puncture block is anatomically correct and offers realistic image of ultrasound. It includes lumbar vertebrae, spinous process, superior articular process, transverse process, epidural space and spinal dura mater.

Ref.no. R16015

Details:



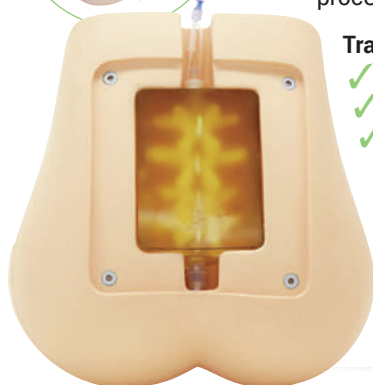
### Training opportunities:

- ✓ Ultrasound-guided lumbar puncture
- ✓ Ultrasound-guided epidural anaesthesia
- ✓ CSF collection and CSF pressure measurement

### Features:

- ✓ Ultrasonic landmarks of lumbar spine can be visualized.
- ✓ Replacement parts are durable for multiple procedures.

- ✓ This simulator can be positioned in the upright or lateral position.
- ✓ Transparent block makes the needle trace visible.
- ✓ The lumbar region model provides a platform for wide training opportunities, by adding interchangeable training blocks for landmark and fluoroscopic procedures



## Lumbar Spine Fluoroscopy Training Phantom

This phantom is the ideal training tool for hands-on workshop. Lumbar Spine Fluoroscopy Training Phantom allows various training methods of fluoroscopy guided procedures in pain relief of the lumbar area. The phantom has two types of interchangeable and replaceable inserts with radio-opaque lumbar spine.

### Features:

- ✓ Two types of replaceable training block: vertebroplasty block and anesthesia block
- ✓ Lumbar spine L2-L5 can be visualized under X-ray.
- ✓ True-to-life resistance to the needle

### Training Skills:

- ✓ Recognition of fluoroscopy anatomy and landmarks

- ✓ Vertebroplasty
- ✓ Fluoroscopy guided epidural anesthesia: needle placement in facet joint injection, root block and discogram

**Anatomy:** Lumbar spine (L2-L5), spinal canal, epidural space (anesthesia block only).

Ref.no. R16019

Details:



## Injection arm for intravenous injection and infusion

The high-quality Elerl Zimmer injection arm offers a wide range of application possibilities for professional and realistic training of blood collection, ideally suited for the training and further education of medical personnel. The injection arm is very lifelike, especially in terms of the prick feeling, requires hardly any care and has skin and veins that can be changed easily and quickly. Ideally suited for: Intravenous injection, Blood collection, Intravenous infusion, Palpation of veins, Placement of a venous access.

Ref.no. 7010

Details:



**Replacement skin hand**

Ref.no. 7009

**Replacement skin arm**

Ref.no. 7011

**Replacement vein**

Ref.no. 7012

**Replacement-Injection pad**

Ref.no. 7015

**Blood-colored liquid, 200 ml**

Ref.no. 7024



## Training arm for intravenous injection

The injection model is intended to give the prospective physician and medical auxiliary staff the opportunity of practicing intravenous injection. The model consists of soft synthetic material with an exchangeable skin in addition to an exchangeable injection site on the elbow, in which the median elbow vein (median cubital vein) is represented by a tube. The vein is visible under the skin and can additionally be easily palpated. The tension of the skin and the characteristics of the occluded vein is imitated in an approximately true to life manner. The model is characterized particularly by the possibility of compressing the vein realistically and of simulating a roll vein via the application of lubricant. Tested in rigorous daily use in the German army. All individual components are available separately.

Ref.no. 7020

Details:



**Replacement skin**

Ref.no. 7021

**Injection pad**

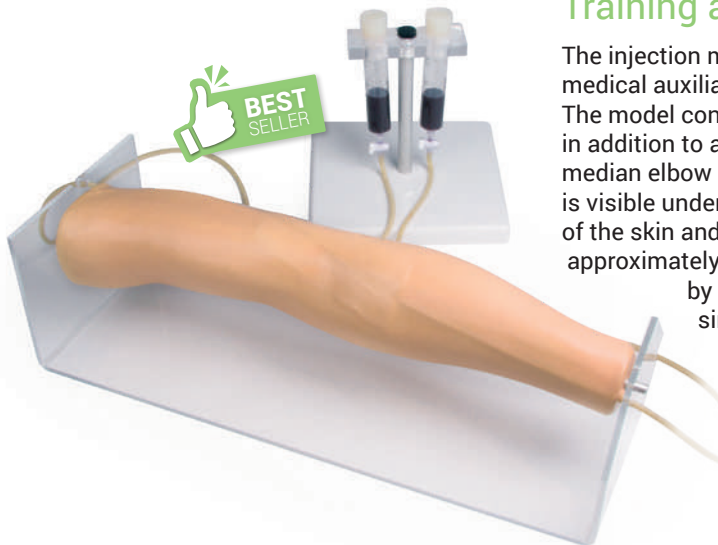
Ref.no. 7023

**Replacement vein**

Ref.no. 7022

**Blood colored liquid, 200 ml**

Ref.no. 7024



## Multi-venous IV & Injection arm

This injection training model has the most injectable veins. **The following veins can be punctured:**

- ✓ Basilic V.
- ✓ Dorsal metacarpal V.
- ✓ Median basilic V.
- ✓ Cephalic V.
- ✓ Digital V.
- ✓ Median cephalic V.
- ✓ Accessory cephalic V.
- ✓ Thumb V.
- ✓ Median antebrachial V.
- ✓ Median cubital V.

Vein and skin can be replaced, the arm is moveable to enable the student to develop manipulation skills. I.m. and subcutaneous injection is also possible at this model. Supplied with storage bag.

**Replacement skin and vein**

Ref.no. R12004A

**Replacement vein**

Ref.no. R12004B

Ref.no. R12004

Details:







## Strap-on IV Puncture trainer

Bring more realism to your standardized patient program. With this strap-on IV puncture pad it is possible to interact directly with the actor while practicing iv puncture on arm or leg without the danger of any injury. The replaceable pad with two replacable veins can be connected to a pressurized infusion bag with a tube that can be hidden under the clothes. Included in the set is the jig, one pad with veins, the connection tubing as well as a pressure infusion bag. One bottle of our simulation blood (can be washed out of clothes) is also included.

Ref.no. 7120

Details:



## Human Vascular Access Sleeve Light Skin

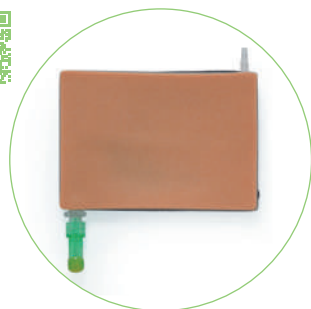
Train on venipuncture and vascular access skills in life-like scenarios with no harm to participants with the Human Vascular Access Sleeve. Designed to fit most people and manikins, the sleeve is secured by the hook and loop tabs above and below SurgiReal's simulated RealFlow tissue pad. Keeping safety as our top priority, all Vascular Access Sleeves are designed with puncture resistant material to make sure the needle won't make contact with your participant.

Training applications include, but are not limited to: Needle Alignment and Vascular Access, Palpating the Vessel, and IV Placement. BUILD YOUR SKILLS IN THREE STEPS: Sleeve attached to manikin, Sleeve attached to stationary person, Sleeve attached to a person mimicking real-life patient movement. Included in your package is 1 Sleeve, 1 Attachable Simulated Tissue Pad, 1 Package of Artificial Blood Powder, and 1 IV Bag (1000mL).

Light skin

Ref.no. SRE0800L

Details:



Dark skin

Ref.no. SRE0800

Details:



## Strap-on venous puncture trainer

The vein puncture simulator set is a simple, inexpensive exercise set for intravenous injection, consisting of 5 individual puncture trainers. It is ideal for practicing blood drawing and intravenous injection. The vein puncture trainer is strapped to the arm of a simulated patient or a life-size manikin. The injection pads with veins are exchangeable and available as spare parts. Characteristics:

- ✓ New, even more realistic tissue and vessel wall resistance.
- ✓ The veins can easily be filled and refilled with the supplied filling bottle.
- ✓ Two parallel veins are embedded in the pad

The set consists of 5 puncture pads (with embedded veins and holder), 5 Velcro straps, 5 supply lines and 5 drainage tubes as well as 5 filling bottles.

Ref.no. R16236

Details:



## Venatech-Trainer

This economically priced model allows purchasing a simulator for each student. No more wasting precious class time by waiting for the next free simulator. The trainer can be attached to the arm of the student. It shows cephalic, basilic and median cubital vein in correct anatomical position. An arterial vessel completes the model. Designed for basic training.

Ref.no. R10006

Details:



**Replacement skin and veins**

Ref.no. R10006A

**Replacement vein**

Ref.no. R10006B



## I.v. Injection Trainer fit-on type

This set of 5 injection trainers allows the training of i.v. injection directly on a person, without the risk of any harm. The punctureproof pads can be attached to the arm of the training partner and the puncture can be practiced interacting with the patient. The veins are replaceable. Supplied with: 5 Injection pads, 10 replacement veins (2 pcs needed for one pad)

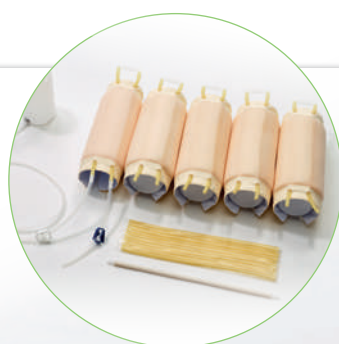
**Package Contents:** 5 Injectionpads,  
10 Replacement veins (2 pcs per pad required)

**Replacement set-Veins**  
(100 pcs)

Ref.no. R16614A

Ref.no. R16614

Details:







### IV-Injection Hand

The dorsal surface of the incredibly realistic hand includes injectable metacarpal, digital and thumb veins. The soft, flexible fingers are moulded separately with extreme attention to detail. Students have the opportunity to develop important manipulation skills provided by the flexion of the wrist. The skin rolls when the veins are palpated. Supplied in storage box.

Ref.no. R10005  
 Details:  


**Replacement skin and veins**  
 Ref.no. R10005A

**Replacement veins**  
 Ref.no. R10005B

### Portable IV Arm and Hand Trainers

The economical Portable i.v. Training Hand and Arm combine realism, fine detail, and lightweight convenience in a single trainer. These self-contained trainers are packaged in a plastic case that can be converted into a work station. Trainers include everything you will need to begin training and practicing i.v. skills. The Portable i.v. Training Hand and Arm Trainers are constructed of soft material with life-like veins in the skin surface that are visible and palpable. Veins are accessible at the antecubital fossa, along the forearm, the back of the hand, and thumb veins, making it possible to practice

venipuncture at any of the common sites. When puncturing through the vinyl skin and veins, the skin will actually roll as you palpate the veins and the characteristic "pop" can be felt as the needle penetrates the vein. These trainers are inexpensive enough so that each student can have their own set to practice technique and skills required in their courses. Under normal use, hundreds of injections may be performed. The skins and veins cannot be changed (trainers will eventually need to be replaced). Included with each trainer is two i.v. bags, packet of blood powder, syringes and storage case. IV Hand and Arm Set.

Ref.no. R10200  
 Details:  


- Set of IV hand and arm**  
 Ref.no. R10200
- IV Hand**  
 Ref.no. R10210
- IV Arm**  
 Ref.no. R10220





## Geriatric IV Training Arm

Developed from a live cast, this arm is unique to the industry. Its properties include veins that roll away or disappear as you attempt to catheterize the vessel and a specially developed skin. Ideal for training anyone who works with the aged. Includes blood powder, IV bag, and carry bag.

**Replacement skin and veins**

Ref.no. R10017A

**Replacement veins**

Ref.no. R10017B

Ref.no. R10017

Details:



## Child-Injection training arm

Lifelike arm reproduction of a six year old child. The model offers the opportunity to practice intravenous and intramuscular injection techniques. The upper arm features an internal bone structure as landmark for intramuscular injection. The skin and veins can be replaced if necessary. Comes with storage case.

**Replacement set skin and veins**

Ref.no. R10007A

**Replacement vein**

Ref.no. R10007B

Ref.no. R10007

Details:



## Baby IV arm

This model has a special, extremely thin, synthetic skin, and rubber tubing with appropriately small lumen and thin walls. The cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand. Comes with two i.v. bags with clamps, artificial blood, and winged infusion set. Size: 20.5 x 12.7 x 12.7 cm.

**Replacement skin and veins**

Ref.no. R10170A

Ref.no. R10170

Details:



## Baby IV Injection leg

This model has a special, extremely thin, synthetic skin which is paired with rubber tubing featuring a small lumen and thin walls. The greater and lesser saphenous veins are accessible, as well as the dorsal venous arch on the foot. Comes with two i.v. bags with clamps, artificial blood, one 3 cc syringe, one 22-gauge needle, and winged infusion set. Size 20.5 x 12.7 x 12.7 cm.

**Replacement skin and veins**

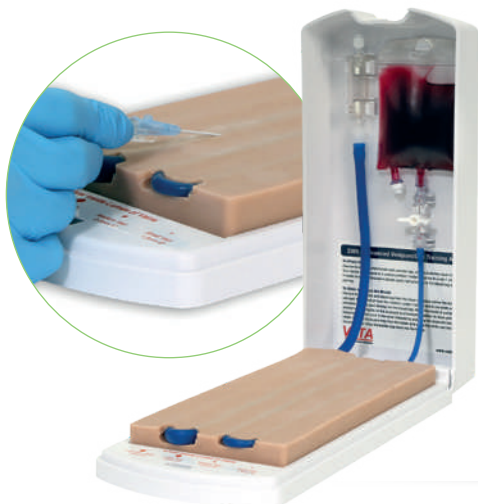
Ref.no. R10171A

Ref.no. R10171

Details:







## Advanced Four-Vein Venipuncture Training Aid

The Advanced Venipuncture Training Aid™ features four barely discernible blue veins in three different sizes, with the fourth vein deeply placed. As the IV catheter enters the vein, a realistic “flashback” of simulated blood confirms proper needle placement, helping build hand-eye coordination, confidence, and improving competency, while ensuring your patient’s safety. **Features:** Hinged top and base. Leak resistant. Features a single length of tubing, no connections needed. Bubble trap and stopcock removal and replacement are confirmed by an audible “click.” The hinged top has an integral molded hook for placement of blood bag. Model can handle 3,600+ accesses using a 20g IV catheter.

Ref.no. R11055

Details:



## Nita Newborn - Simulator for Venous Vessel Access

This model of a newborn female (1.8 kg/40.6 cm) is perfectly suited for studying and practicing both venous access and injections and drawing blood samples. Correct puncturing will produce a backflow of artificial blood.

### Allows access to the following veins:

- ✓ Basilic vein and axillary vein (arms)
- ✓ Saphenous vein (leg)
- ✓ Popliteal vein (leg)
- ✓ External jugular vein (neck)
- ✓ Temporal vein (head)
- ✓ Umbilical vein (navel)

### Each of the following methods can be practiced:

- ✓ Normal puncture of a vein
- ✓ Central venous catheterization
- ✓ Umbilical (naval) catheterization
- ✓ Positioning a butterfly cannula
- ✓ Bandaging
- ✓ Fixing catheters
- ✓ Insertion and care of endotracheal and endonasal catheters and feeding tubes

Supplied with 1.1 liters of artificial blood, blood bag, diaper and carrying bag.

Ref.no. R10009

Details:



### Replacement skin and veins

Ref.no. R10009A



## Baby Umbi umbilical catheterization trainer

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
- ✓ Low UAC
- ✓ High UAC
- ✓ Umbilical Vein Catheter
- ✓ Securing and dressing procedures may be practiced

Ref.no. R20202

Details:



## Paediatric Head – Injection trainer

This model represents a six month old infant. Injection of jugular and temporal vein is possible. Special soft material makes the model look and feel like a real head. The skin and veins can be replaced if necessary. Comes with storage case.

Ref.no. R10008

Details:



### Replacement skin and veins

Ref.no. R10008A

### Replacement veins

Ref.no. R10008B





## Strap-on vaccination trainer for IM and subcutaneous injection

This trainer enables intramuscular injection to be practiced, as is typically done when vaccinating. The model can be used as a vaccination trainer, but also as a normal IM injection trainer and as a subcutaneous injection trainer. The trainer can be buckled and then simulates a human upper arm. A simulated and easily palpable shoulder anatomy serves as a landmark for the puncture. The back of the trainer is puncture-proof so that there is no danger to the "patient". The injection can be done with normal needles and syringes, the injection of liquid is possible. The model can be dismantled so that the liquid can easily be removed after the exercise. Thanks to the new material, the arm feels lifelike and the puncture points are not visible, so that many hundreds of punctures are possible before the vaccination trainer has to be replaced.

### Product features:

- ✓ Intramuscular injection
- ✓ Subcutaneous injection
- ✓ Injecting liquid
- ✓ Anatomical landmarks
- ✓ High quality material

Ref.no. 7130

Details:



## Training model for intradermal, subcutaneous and intramuscular injection

Simple and easy to use training model made of soft and realistic material for life like training of intradermal, subcutaneous and intramuscular injection. The material can be punctured repeatedly without showing needle holes. The injection of fluids is not recommended.

Ref.no. R10952

Details:



## I.m. Injection Trainer upper arm, fit-on type

With this model you practice directly at the patient. It can be attached to a simulated patient or a nursing doll. With excellent haptics it is the ideal tool for teaching the i.m. injection technique at the upper arm.

The built-in sensors recognize the correct puncture site as well as the correct depth of injection. If the position is correct, a green light indicates this. In case of wrong puncture a red light will be switched on. In case of correct puncture site but wrong depth both lamps will light at the same time. Fluid can be injected into the model.

Ref.no. R16611

Details:







### Model of shoulder and arm anatomy / i.m. injection technique

This model offers two functions in one model: on the right side it shows the anatomy of the upper arm and the shoulder including the bones and the muscles and nerves which are of importance for the injection. The student can transfer the anatomy visible on the right side to the left side and can then practice the technique of intramuscular injection there. The most important anatomical landmarks can be felt on the left side. The injection can be carried out with liquid. A green lamp lights up to confirm that the injection has been placed at the correct location. If it is placed at any other location, this is indicated by a red lamp and a buzzing sound.

Ref.no. R16607  
 Details:

### Intramuscular injection model

A simple to use and economically priced model for intramuscular injection training. Made of lifelike, soft material. It can be punctured repeatedly. Fluid use is not recommended.

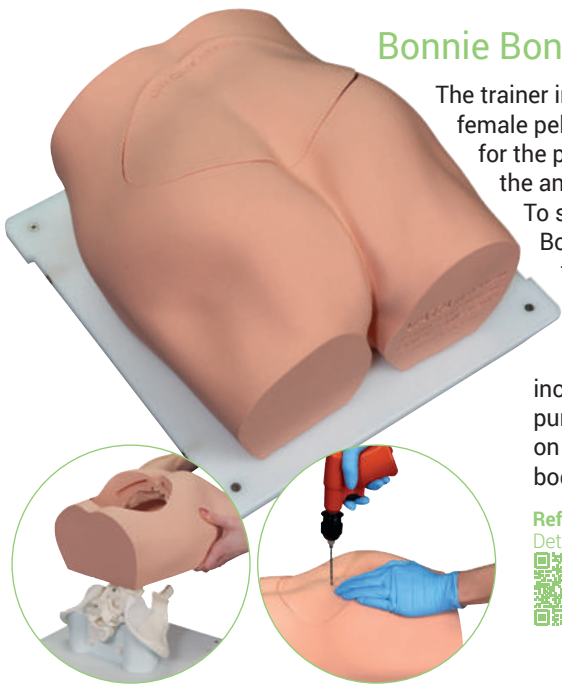
Ref.no. R10076  
 Details:



### Three Injection Depth Simulated Tissue

When training on injections, look no further than SurgiReal's Injection Pad line. This pad is built using our RealLayer Technology to simulate proper body wall feel as well as a foam core to allow for your injected fluids to easily squeeze out. The Three Injection Depth Pad is designed to take you right into the muscle to practice the Intramuscular injection.

Ref.no. SRE0711  
 Details:



## Bonnie Bone Marrow Biopsy Skills Trainer

The trainer incorporates a life-size scale and anatomy modeled from an average size female pelvis and lower spine. The outer shell provides a soft, tissue-like feel to allow for the palpation of underlying bony landmarks such as the spinous process, and the anterior and posterior iliac crests to facilitate proper biopsy needle placement. To simulate treating patients in lateral decubitus (side lying) positions the Bonnie trainer can be set-up with the included tilt stand or positioned on a table surface to accommodate the prone position. The right and left iliac crest bones are designed to be removable and replaceable and incorporate simulated bone marrow that can be extracted during simulated biopsy procedures to confirm proper technique. The innovative design also includes a replaceable puncture site skin insert to allow for multiple needle punctures to be performed. Following parts are included: pelvic bone structure on base with tilt stand, six sets of replaceable posterior Iliac crest bone inserts, body skin shell, puncture site skin insert and soft-sided product carrying case.

Ref.no. R11051

Details:



**Puncture site skin insert**

Ref.no. R11051A

**5 Sets right and left Posterior Iliac Crest Bone Inserts**

Ref.no. R11051B

## Simulator for i.m. injection and punch biopsy of the iliac crest

Training model for training of the i.m. puncture procedure as well as for the procedure of iliac crest puncture. The model includes an artificial pelvis made of material similar to human bone which can be punctured repeatedly. Fluid aspiration is not possible. Used as i.m. model, the pelvis can be palpated to identify the correct injection position. The model is designed to be an economic disposable training aid and need to be replaced after intensive use. Life size.

Ref.no. 7090

Details:



## Intramuscular Injection Simulator

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 students can identify proper injection sites. A section of the upper, outer quadrant of the left gluteal area is cut away to allow students to visualize the underlying structures. The gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown.

Ref.no. R10961

Details:



## Gluteal Intramuscular Injection Simulator

All anatomical structures are present and palpable. The injection sites are constructed in multiple layers, corresponding to the human anatomy, in order to convey a natural feeling during needle insertion. Sensors, located away from the correct injection sites, sound an acoustic alarm if needles are placed incorrectly. The injection can be administered realistically with fluid, since the model has a drainage system. The injection sites must be localized using the Hochstetter method.

Ref.no. LM57

Details:







## Arterial Puncture Arm

This easy to use training aid is ideal for practice in and demonstration of drawing arterial blood samples and for monitoring blood gases. Puncture locations can be identified through palpation of the pulse of radial and brachial artery. Realistic arterial pressure produces a lifelike backflow of blood in the syringe, confirming

proper needle location in the artery. Delivered with 3 syringes and tubules, artificial arterial blood, 2 replacement arterial sections and carrying case.

**Replacement set skin and three arteries**  
Ref.no. R10011A

**Replacement-Artery**  
Ref.no. R10011B

Ref.no. R10011

Details:



## Pressurised cannulation pad

The pressurised cannulation pad has been introduced to provide a portable intravenous trainer and act as an alternative to using the traditional arm. These trainers are realistic and achieve relatively low running costs.



Ref.no. R10096

Details:



## Arterial puncture wrist

Radial artery puncture is a common approach for blood collection and artery catheterization; however, it is a challenging skill for operators. This innovative simulator is designed to provide training in artery puncture with true-to-life feeling.

- ✓ Arterial pulsation is palpable.
- ✓ Realistic resistance of tissue and artery wall felt with the injection needle.
- ✓ Natural flashback of artificial blood into the needle can be observed.
- ✓ Puncture skin, pad and artery tube are replaceable.
- ✓ No puncture trace of the injection needle remains on the injection site.
- ✓ One-touch, leak free connections.
- ✓ Easy clean up.

Supplied with pulsatile pump and 4 arteries.

Ref.no. R16650

Details:





## Intradermal Injection Simulator

The simulator features a forearm from the wrist to just below the elbow. Vinyl skin provides realistic feel and appearance to ensure a realistic training experience. The simulator features eight sites for practicing intradermal injections. If fluid is properly injected, a characteristic skin welt will form. The welt is removed by withdrawing the fluid after practice. Each site is reusable by dozens of students. Supplied with sealant, syringe and storage box.

Ref.no. R10016

Details:



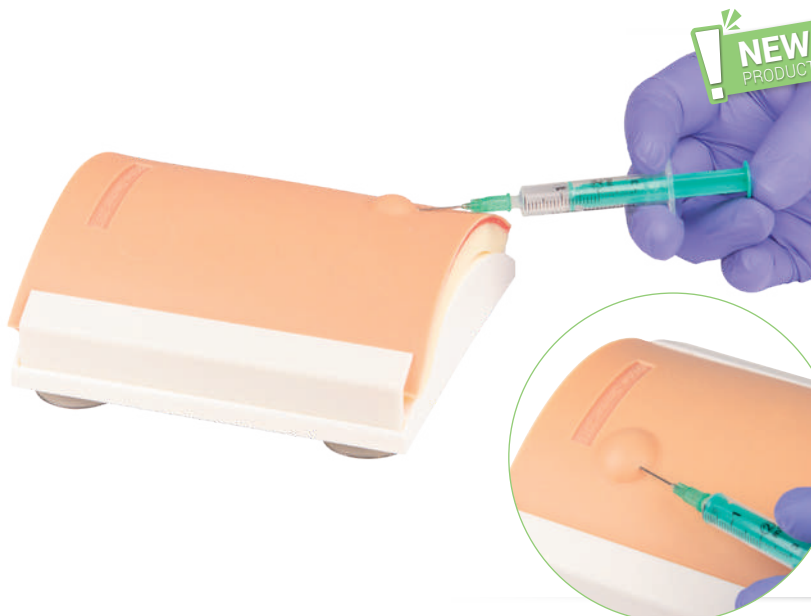
## Endermic Injection Training Simulator

This simulator provides training of intracutaneous injection to the inner forearm. A clear characteristic skin wheal is formed when proper injection procedure is followed. Life size model with life-like touch and resistance. Comes with 5 puncture pads and stand.



Ref.no. R16620

Details:



**NEW**  
PRODUCT

## Intradermal injection trainer

This simulator consists of a flexible skin on an arched base. The realistic condition and optical appearance of the skin creates natural training opportunities. The simulator has six locations for training of intradermal injections. If fluid is injected correctly, a typical skin welt is formed. This welt can be removed by simply aspirating the fluid back in the syringe. Each injection location can be used several times by the students. If the puncture sites are worn out, the skin can easily be replaced and the base can be used again.

Ref.no. 7110

Details:







## Central Venous Puncture Simulator

Enhanced training in ultrasound guided CVC. Axillary vein approach as well as internal jugular vein approach. An introductory training block to acquire basics of ultrasound guided puncture. Excellent image quality. Learning from failures; various complications can be simulated. The only simulator with anatomically correct junctions of the subclavian veins with the right internal jugular and SVC.

- ✓ This simulator includes three interchangeable pads for the puncture area, landmark puncture pad, ultrasound puncture pad and transparent cannulation block.
- ✓ Each training pad, placed at the right upper breast and right half of the neck covering the puncturing sites and catheter routes is a precise, life-size model incorporating the anatomical structure of bones, veins, arteries and upper lung.
- ✓ A transparent block for three-dimensional anatomical understanding also works as an effective training tool for developing guide wire insertion skills.
- ✓ Three CVC approaches with landmark method:
  1. subclavian vein approach, 2. supraclavicular approach, 3. internal jugular vein approach.

**Complications:** Artery puncture. Pneumothorax. Mislodging/malposition.

Ref.no. R16051  
Details:



## CVC Insertion Simulator III

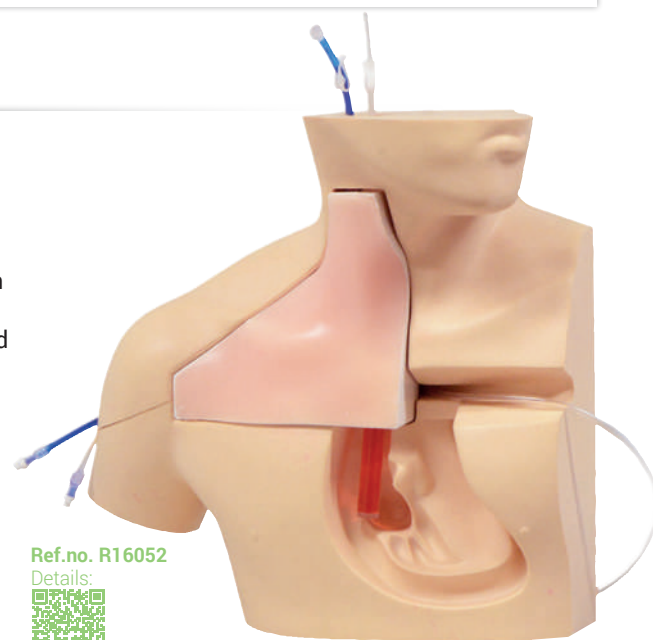
The CVC Insertion Simulator III provides training in a sequence of procedural skills from the needle insertion to catheter placement, including Seldinger technique. It provides training opportunities in an array of procedural skills from determining the insertion site to placement of the catheter without interruption. Both landmark and ultrasound-guided catheterization are possible in one pad.

- ✓ Repeated insertion
- ✓ The improved frictionless tissue of the pad allows Seldinger technique and repeated insertion and removing of the catheter with less needle marks left on the surface of the pad.
- ✓ Both landmark and ultrasound-guided CVC are possible.
- ✓ Mechanical complications, such as arterial puncture and pneumothorax can be simulated for training.
- ✓ Realistic venous collapse. The vein collapses under the pressure of the ultrasound probe.

**The pad shows the following anatomical structures:**

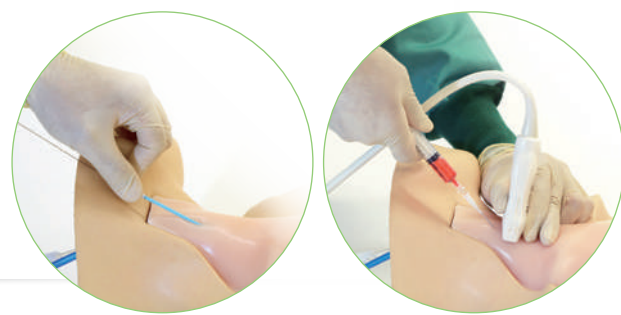
Internal jugular vein & carotid artery, Subclavian vein & artery, Superior vena cava, Ribs, Sternum, Lung.

**Training Skills:** Ultrasound-guided CVC, Landmark guided CVC, Ultrasound-guided venous access, Prevention of mechanical complications. Due to its special material, the injection pad has a limited shelf life once it is unpacked.



Ref.no. R16052

Details:

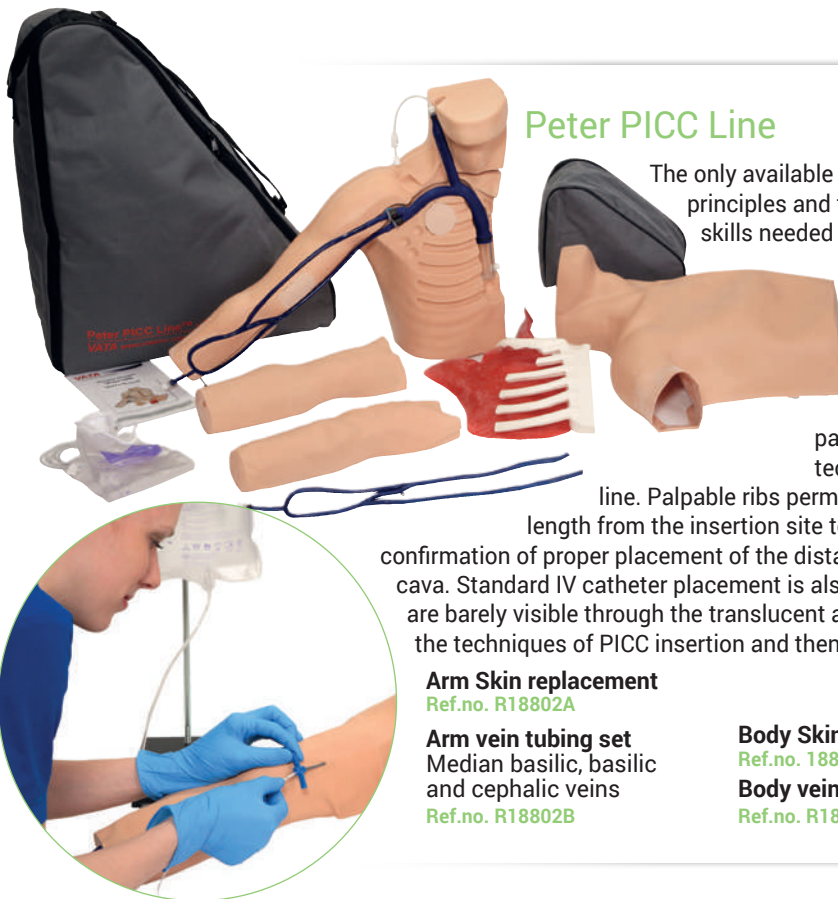
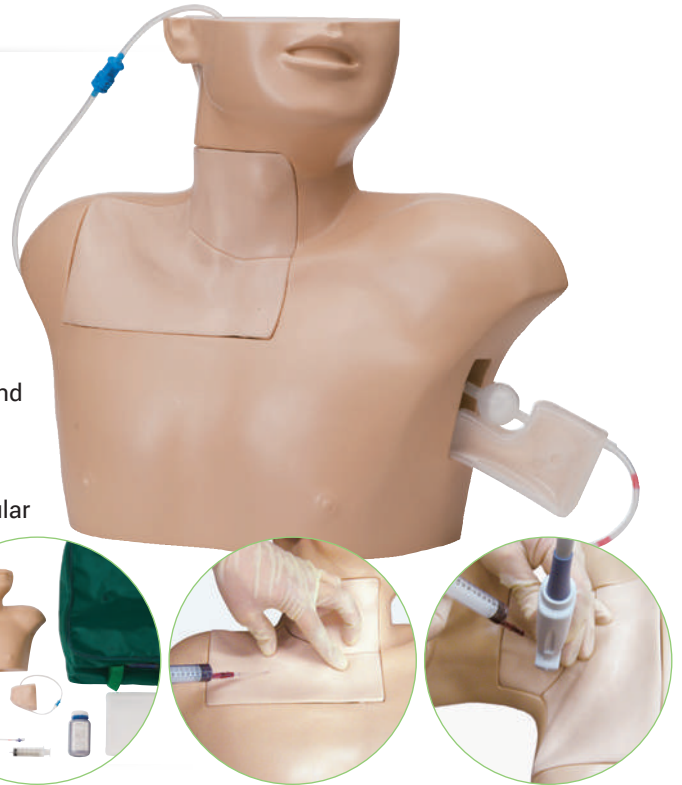


## Central Venous Puncture Trainer

Designed for practicing ultrasound guided central venous (CV) puncture as well as landmark puncture. It enables learners to identify the puncture site by recognizing the important landmarks. Simulated blood can be collected when a needle is inserted into the vein. Enables learners perform CV puncture by putting negative pressure on the syringe. Backflow air pressure indicates incorrect puncture of the lung. This trainer is designed for practicing exploratory puncture. Catheter and guide wire cannot be applied. Ultrasound guided central venous puncture utilizing an ultrasonography imaging system allows practicing the the internal jugular venous puncture, the subclavian venous puncture and the supraclavicular venous puncture. Pressure on the internal jugular vein by the ultrasound probe, causes the vein to become oval and deformed. Please note that the ultrasound imaging system works differently in the model than in the human body. Due to this the images you obtain with an ultrasound imaging system may differ from the real human body.

Ref.no. LM90

Details:



## Peter PICC Line

The only available teaching model which allows review of the principles and tools necessary to validate the knowledge and skills needed for Peripherally Inserted Central Catheter (PICC) insertion. Peter PICC is a portable, lightweight, teaching model featuring anatomically correct superior vena cava, subclavian, jugular, median basilic, basilic and cephalic veins. The moveable chin simulates the occlusion of the jugular vein which can prevent the PICC from taking this path. This model enables staff to practice sterile technique in the set-up and insertion of the PICC line. Palpable ribs permit the practice of measuring proper catheter length from the insertion site to the second or third intercostal space and the confirmation of proper placement of the distal tip of the catheter in the viewable superior vena cava. Standard IV catheter placement is also possible in the major veins, which are barely visible through the translucent arm skin. Gain condence and master the techniques of PICC insertion and then transfer these skills to patients.

### Arm Skin replacement

Ref.no. R18802A

**Arm vein tubing set**  
Median basilic, basilic  
and cephalic veins

Ref.no. R18802B

### Body Skin replacement

Ref.no. 18802C

**Body vein tubing set**

Ref.no. R18802D

### Muscle tissue

Ref.no. R18802E

**Rib replacement**

Ref.no. R18802F

Ref.no. R18802

Details:

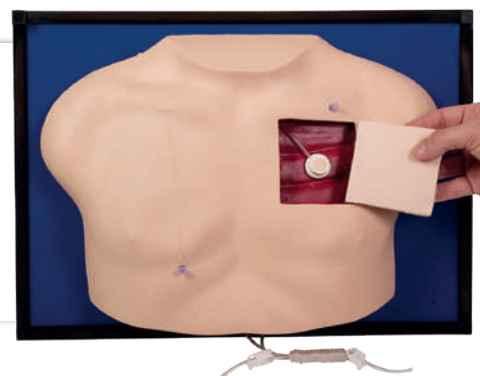


## Venous-Access Device Model

This model offers left and right subclavian catheter connections and an implanted PORT-A-CATH device. Both catheters may be flushed with water. Mounted on collapsible easel.

Ref.no. R10020

Details:







## Chester Chest

Chester Chest is a life-like model of a human torso, including a detachable right arm, that allows to learn and demonstrate competency with the most common types of long term vascular access devices (VAD's): implanted ports, central venous catheters (CVC's) and peripherally inserted central catheters (PICC's), within one simple, compact, and portable training model. All of the vascular access devices used are actual clinical devices not unrealistic imitations. This model offers a dramatically realistic tactile sensation when palpating the location of a port. This is achieved through a unique material duplicating the feel of human tissue. Additionally, inserts that come with the model permit the following difficult accessing to be practiced: deeply placed port, tilting or tipping port and wandering or shifting port. The distal ends of each device are attached to a simulated blood reservoir bag to permit fluid infusion or "blood" withdrawal. External jugular or subclavian catheters can be added through existing openings on the model. Chester Chest can be used in either an upright or supine position. Chester Chest is a complete unit consisting of a life-sized torso with neck and chin, detachable right arm, outer tissue flap, three difficult accessing inserts, an actual implanted port, CVC, PICC, openings for attachment of a subclavian or external jugular catheter, "blood" reservoir bags, tubing, talc baby powder and user's information.



### Chester Chest with advanced arm

Ref.no. R18803  
 Details:

### Chester Chest with standard arm (with space for peripheral port)

Ref.no. R18801 (not pictured)  
 Details:

## Available spare parts

### Chester Chest difficult accessing insert

An insert which is placed in the recessed area and, simulates a properly placed port on the upper portion of the insert or a tilting or tipping port when placed on the lower portion of the insert.

Ref.no. R18803A (not pictured)

### Chester Chest difficult accessing insert.

An insert which is placed in the recessed area and, when accessing the implanted port through the overlying outer tissue flap, simulates a properly placed port on the upper portion of the insert or a tilting or tipping port when placed on the lower portion of the insert.

Ref.no. R18803B (not pictured)

### Chester Chest difficult accessing insert

A tissue insert, which when used in conjunction with the recessed R18802A insert and placed over the port, simulates a deeply placed device when accessed through the overlying outer tissue.

Ref.no. R18803C (not pictured)

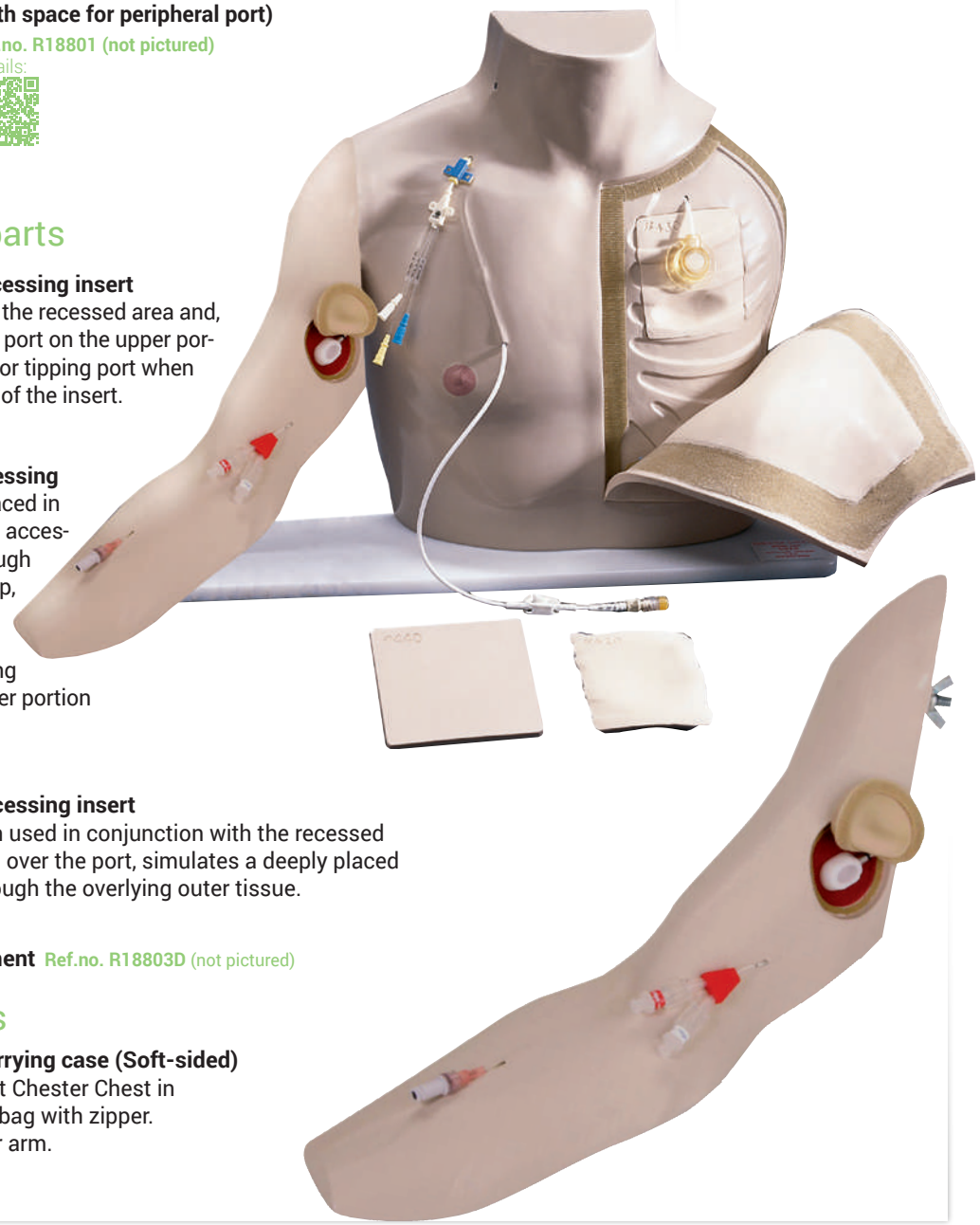
### Outer tissue flap replacement Ref.no. R18803D (not pictured)

## Available options

### Chester Chest optional carrying case (Soft-sided)

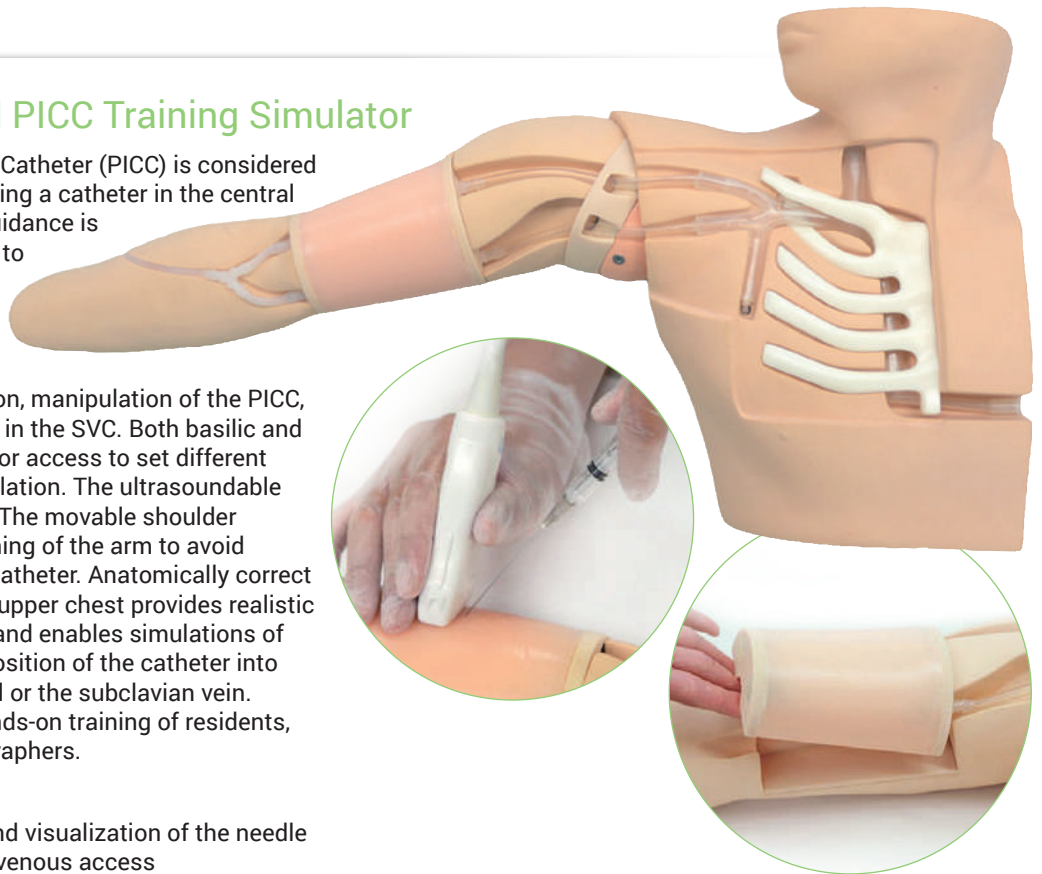
Protect, store and transport Chester Chest in this durable padded fabric bag with zipper. With a protective sleeve for arm.

Ref.no. R18803-1 (not pictured)



## Ultrasound-Guided PICC Training Simulator

Peripherally Inserted Central Catheter (PICC) is considered to be a safe approach in placing a catheter in the central line and use of ultrasound guidance is recommended to reduce risk to patients. This brand-new simulator is the one and only model which provides training in full procedural skills from the needle insertion, manipulation of the PICC, to placement of the distal tip in the SVC. Both basilic and cephalic veins are prepared for access to set different levels of challenges in cannulation. The ultrasoundable puncture site is replaceable. The movable shoulder allows for training in positioning of the arm to avoid possible malposition of the catheter. Anatomically correct bifurcation of the vein in the upper chest provides realistic resistance of its outer walls and enables simulations of complications such as malposition of the catheter into the jugular, the thoracodorsal or the subclavian vein. The simulator is ideal for hands-on training of residents, specialist nurses and radiographers.



### It has the following features:

- ✓ Excellent image quality and visualization of the needle tip for ultrasound guided venous access
- ✓ Movable shoulder
- ✓ Provides training in a variety of procedures from needle insertion to catheter tip placement
- ✓ „Flash-back“ confirmation of successful venous access
- ✓ Ribs and right clavicle are included to determine length of the catheter as well as providing anatomical understanding of a correct PICC tip location.
- ✓ Anatomically correct bifurcation of vein
- ✓ Simulation of malposition of the cannula

Ref.no. R16014

Details:



## Port – “Body in a Box”

Port – “Body in a Box” is a low cost, compact, lightweight, quick to set up and store training model for the teaching and practice of palpating and accessing IVADs (Implanted Vascular Access Devices). Supplied with a real port, it is possible to simulate accessing the following IVAD placements: normal, “tipping”, “wandering” or deeply placed. Successful access is confirmed by a “blood” return, as the model has its own 35cc simulated blood reservoir bag neatly tucked inside. Can be accessed in or out of the case. No set-up or put away steps required. Great model to develop hand-eye coordination and gain confidence that easily transfers to patient accessing!

### includes:

- ✓ Practice Port
- ✓ Skin Flap
- ✓ „Tipping“ Insert
- ✓ „Floating/Wandering“ Insert
- ✓ Simulated Blood Reservoir

Ref.no. R18804

Details:







### Breast plate for implantable port

This simulator is composed of a soft part representing the skin, under which a rigid plate is attached to protect the carrier from any possible sting resulting from an incorrect gesture. The implanted port and the blood bag are currently not supplied, but can be ordered separately if needed.

The model is held around the neck and waist of a person with adjustable straps. It allows practicing care procedures on an implanted port. The fact that it can be worn by a person increases considerably the realism of the exercise, as it adds the possibility to discuss with the "patient", and to feel his movements and breathing.

Ref.no. R66520

Details:



### Training port

This training port is designed for use in suitable puncture trainers. The port has a fluid supply that can be connected with a blood reservoir (not included). The port can be punctured with real needles. Not sterile, not for human use.

Ref.no. R11053

Details:



### Vascular Access Ultrasound Phantom

The Vascular Access Ultrasound Phantom is an excellent training phantom for the introduction and improvement of the techniques and psychomotor skills associated with successful ultrasound-guided vascular accessing. The unique material is flesh colored with the tactile feel and puncture resistance of human tissue. The very durable phantom material can be accessed 1,000s of times, is self-healing and can be refilled with the supplied stain resistant simulated blood. There is no need for special handling or refrigeration of the phantom.

Ref.no. R11052

Details:



## Hemodialysis Practice Arm

This valuable training aid is easy to set up and use to demonstrate preparing the patient's arm for hemodialysis. An established fistula is accessible and the system can be pressurized with artificial blood so that there is an actual flashback when a needle is introduced.

The artificial blood approximates the pale shades usually common in dialysis patients. Skin and vein replaceable.

Comes with transport case.

Ref.no. R10018

Details:

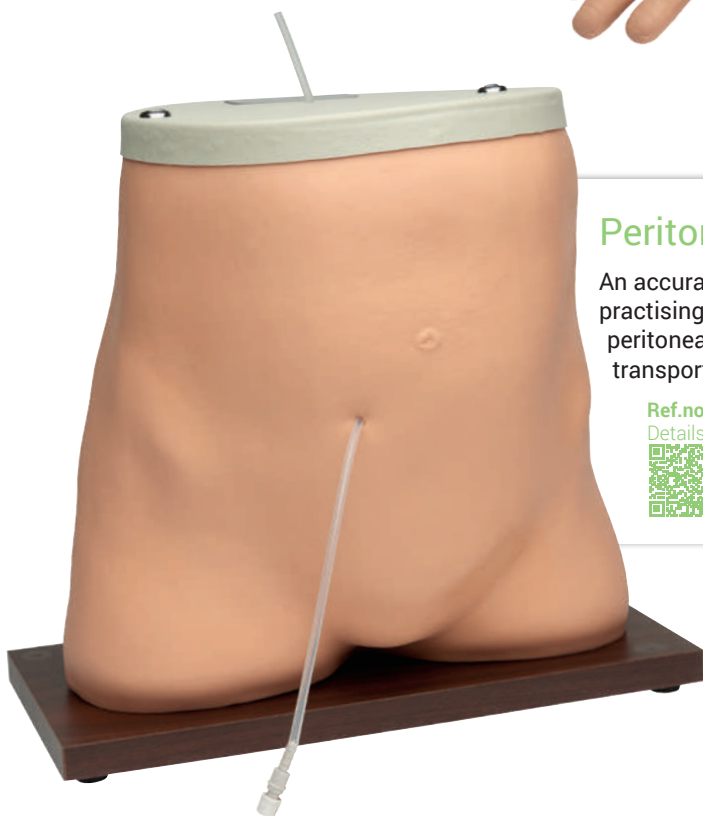


## Peritoneal Dialysis Simulator

An accurate replica of a belly/pelvis torso for learning and practising, and also for demonstrating continuous ambulant peritoneal dialysis (CAPD). With Tenckhoff catheter and transport case. Size: 46 x 31 x 46 cm, weight: 9 kg

Ref.no. R10019

Details:



## Pneumothorax Training Manikin

Recommended by EMT (Emergency Medical Training) instructors, this model permits instruction of the delicate procedure for successfully managing chest wounds in which a collapsed lung interferes with the victim's respiration and blood flow. The model accepts needle and thoracotomy in the second intercostal space, in the mid-clavicular line, the fifth intercostal space in the midaxillary line. A realistic training aid to practice proper needle insertion which enables built-up air pressure to escape the thorax. Delivered with foot pump, replacement pleural cavity and carrying bag, without procedural needle.

Ref.no. R10037

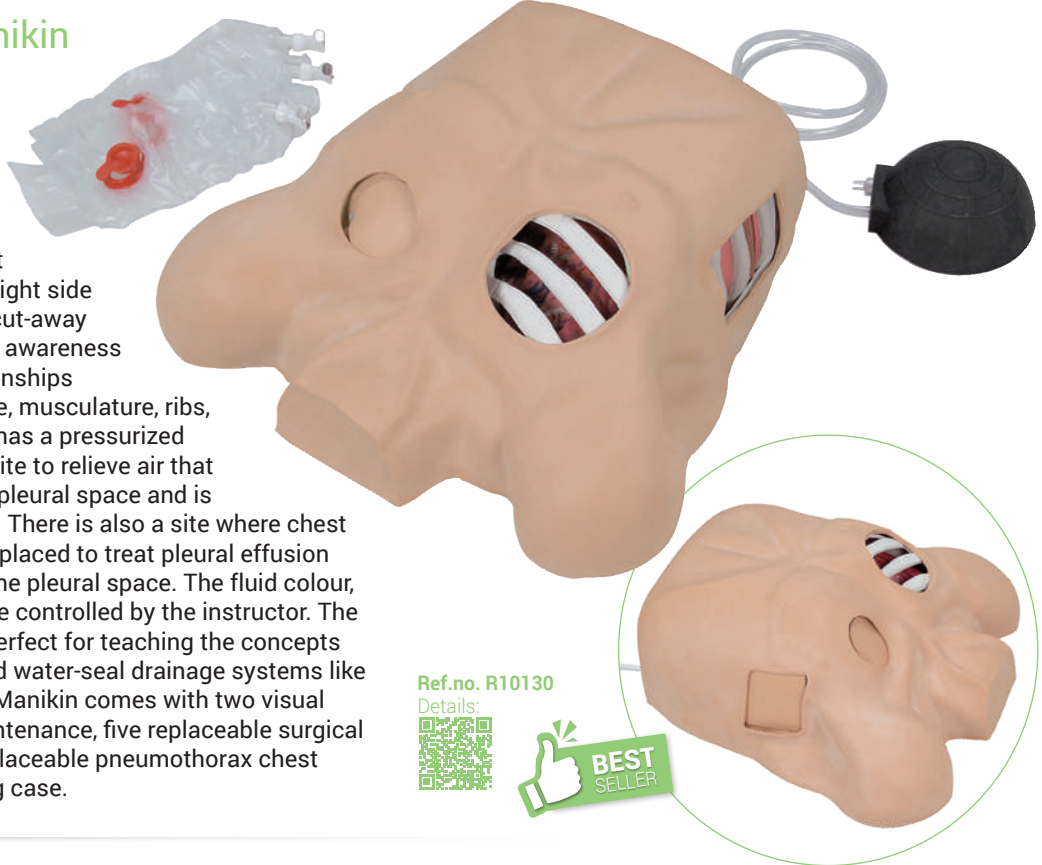
Details:





## Chest Tube Manikin

Now there is a manikin designed specifically to teach the theory, anatomy, and skills needed to manage pre-hospital chest trauma, as well as ongoing chest tube maintenance. The right side of the manikin has two cut-away viewing areas to provide awareness of the anatomical relationships between the skin surface, musculature, ribs, and lungs. The left side has a pressurized tension pneumothorax site to relieve air that accumulated within the pleural space and is restricting lung inflation. There is also a site where chest tubes may be surgically placed to treat pleural effusion by draining fluids from the pleural space. The fluid colour, volume, and viscosity are controlled by the instructor. The Chest Tube Manikin is perfect for teaching the concepts and mechanics of closed water-seal drainage systems like "Pleur-Evac" type units. Manikin comes with two visual sites for chest tube maintenance, five replaceable surgical chest tube sites, five replaceable pneumothorax chest pads and a hard carrying case.



Ref.no. R10130  
 Details:



## Chest Drain Simulator

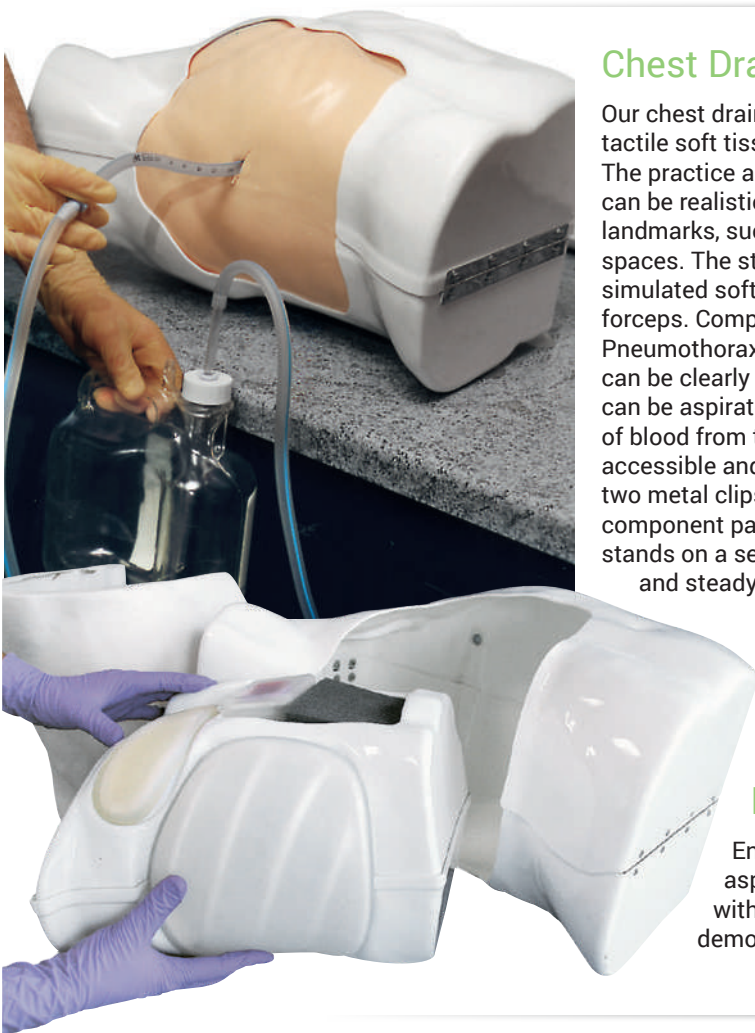
Our chest drain trainer is a unique design, combining simulated tactile soft tissue within a practical and durable plastic casing. The practice and training of clinical and surgical techniques can be realistically achieved. The identification of anatomical landmarks, such as the sternal notch and intercostal (rib) spaces. The students can make surgical incisions through the simulated soft tissue. Blunt dissection can be practiced with forceps. Complete finger rotation is possible. Practice realistic Pneumothorax between ribs 2 and 3 (where the release of air can be clearly heard and felt). Pericardiocentesis, where fluid can be aspirated into a syringe. This is to demonstrate removal of blood from the pericardium. Ease of use: The simulator is accessible and easy to handle. The outer casing opens via two metal clips making the replacement of component parts relatively easy. The casing stands on a series of sucker feet giving a firm and steady base on which to work.

Ref.no. R10078  
 Details:

### Option: Pleura Aspiration Effusion Kit

Enables practice of pleural aspiration/tap. Can be filled with different coloured fluids to demonstrate variable conditions.

Ref.no. R10078-1  
 Details:



## Ultrasound-Guided Thoracentesis Simulator

The Ultrasound-Guided Thoracentesis Simulator features two types of puncture units: mid-scapular line access and mid- axillary line access.

### It can be used for training of

- ✓ Patient positioning
- ✓ Recognition of anatomical landmarks by ultrasound
- ✓ Assessment of level and volume of pleural effusion
- ✓ Determination of insertion site
- ✓ Needle insertion and collection of the fluid

### Features:

- ✓ Excellent ultrasound image.
- ✓ Ribs that can be palpated.
- ✓ Includes Strap-on puncture units to learn patient positioning and face-to-face communication.
- ✓ Body torso for one-man training.
- ✓ Two sites for access: right mid-scapular line and left mid-axillary line.
- ✓ Volume of pleural effusion can be controlled to set different levels of challenges.
- ✓ Aspiration of fluid
- ✓ Simulation of risks of complications
- ✓ Confirmation of puncture direction.



Ref.no. R16010

Details:



## Ultrasound-guided thoracentesis simulator

**Strap-on set:** This simulator offers the same features as R16010, but is used as strap-on type only.

### It offers the following features:

- ✓ Excellent ultrasound image.
- ✓ Ribs can be palpated.

- ✓ Realistic needle-tip resistance and needle-penetrating feeling.
- ✓ Simulation of risks of complications.
- ✓ Puncture pads can be strap-on for learning patient positioning and face-to-face communication.

Ref.no. R16011

Details:



## Ultrasound-Guided Pericardiocentesis Simulator

This simulator allows trainees to insert the needle under ultrasound guidance, pierce the “pericardial sac” and aspirate pericardial fluid. It can be used for training of the following skills:

- ✓ Patient positioning
- ✓ Visualization of pericardial fluid under ultrasound scanning
- ✓ Landmark palpation
- ✓ Needle insertion to the pericardial space
- ✓ Pericardial fluid aspiration

### Features:

- ✓ Puncture pad is durable and replaceable
- ✓ Offers images for appropriate locations to practice the subxiphoid approach and the parasternal approach
- ✓ Realistic needle tip feeling when the needle pierces the “pericardial sac”.

Ref.no. R16012

Details:



## Ultrasound-Guided Thoracentesis / Pericardiocentesis Simulator

This simulator is the combination between R16010 and R16012 and offers all features you can find in these two simulators. Using only one body, this product offers both training features at a reasonable price.

Ref.no. R16013

Details:





## Thorax trauma simulator

This unique model combines the most important procedures in thorax trauma treatment. It is made of life-like silicone material and provides realistic training feeling to the student.

**The following procedures can be trained:**

- ✓ Thoracentesis (left and right)
- ✓ Thoracic drainage (left and right)
- ✓ Pericardiocentesis
- ✓ Cricothyrotomy (surgical or puncture)

Supplied with spongy support, artificial blood and soft case.

Ref.no. LM93

Details:



**Consumables:**

**Neck cover, skin without cut, 10pcs pack**

Ref.no. LM93B1

**Neck cover, skin with cut, 5pcs pack**

Ref.no. LM93B2

**Thoracentesis puncture site, right**

Ref.no. LM93CR

**Thoracentesis puncture site, left**

Ref.no. LM93CL

**Thoracentesis puncture site, pair**

Ref.no. LM93D

**Thoracic drainage site, right, with cut**

Ref.no. LM93ER

**Thoracic drainage site, left, with cut**

Ref.no. LM93EL

**Thoracic drainage site, right, no cut, 5pcs**

Ref.no. LM93FR

**Thoracic drainage site, left, no cut, 5pcs**

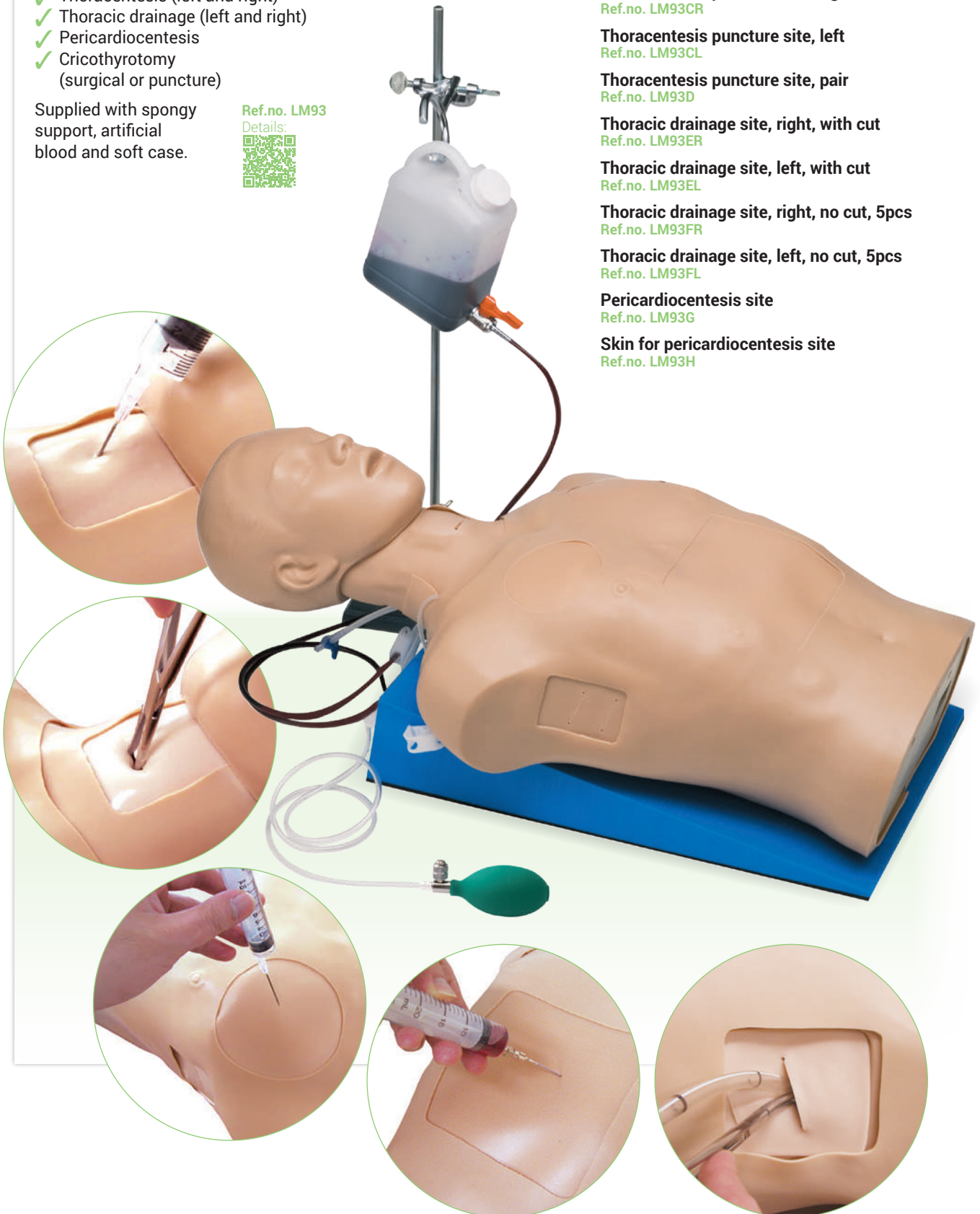
Ref.no. LM93FL

**Pericardiocentesis site**

Ref.no. LM93G

**Skin for pericardiocentesis site**

Ref.no. LM93H



# ECMO TRAINER



## ECMO Trainer Professional

Simulator for training of extracorporeal Oxygenation. This training model features an arterial and venous circulation, both operated with automated pumps which can be adjusted in flow volume and pulsating rate. A real patient can be simulated with all possible conditions that may happen during the procedure. The model is suitable for VA- and VV-ECMO. The puncture and cannulation can be practiced using real materials and instruments. The arteries do have a lumen of 8 mm, the veins of 10 mm. This allows the use of common catheter types without any problems. The puncture pads (one each at left and right femoral puncture site and one at the jugular puncture site) are made of ultrasound capable material. This allows ultrasound control of the needle until it reaches the vessel tube. The Trainer can be used with a real ECMO machine and provides realistic fluid volume for realistic operation of the machine. The trainer also has



contact points for 4-lead ECG. The contact points can be connected to a ECG simulator (not included). The veins also do have connectors for flow rate measurement.

Because of the big diameters of the common cannulas big puncture holes are left after withdrawing the cannula, so the simulator has an integrated tube management system that allows the replacement of the vessel tubes within a few seconds and avoids the loss of precious training time due to vessel replacement. The tubing reservoirs are integrated into the models base invisibly, the base also works as lower part of the transport case with trolley rollers. The water reservoir and pump system are separated and can be connected to the trainer easily by quick lock connectors.

Ref.no. TF400

Details:



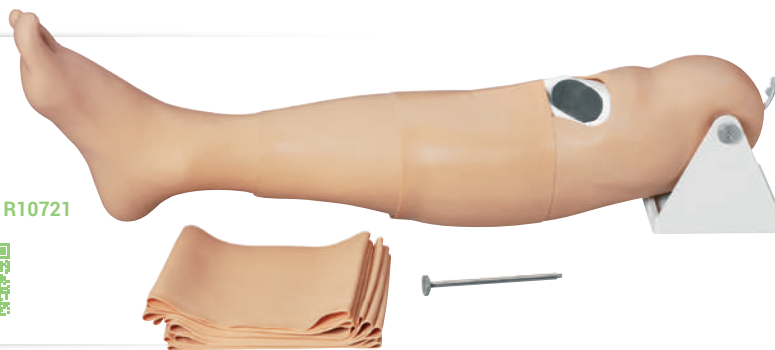


## Intraosseous training leg adult

Lower leg of an adult with the opportunity of training intraosseous access. Improve your training and explain the whole procedure of intraosseous access. Bone and skin are replaceable. Aspiration of fluid is not possible.

Ref.no. R10721

Details:



## Adult Intraosseous Infusion Simulator

Use to enhance training of intraosseous infusion procedures using B.I.G. and EZ-IO devices or almost any other intraosseous infusion devices available. The leg is fluid capable and a blood source is accessible through the injection site. Includes palpable landmarks, replaceable bones and skin, and a pressurized system to allow aspiration of fluid. Included with the simulator are 10 replaceable simulated bones, four replaceable skin pads, simulated blood, lubricating jelly, towels, I/O needle, and syringe with tubing in hard carry case.

Ref.no. R10722

Details:



## Child Intraosseous Infusion / Femoral Access Leg

The Intraosseous Infusion/Femoral Access Leg is mounted on a stand for use as an independent skills station. Features for intraosseous infusion practice include: palpable landmarks including the patella, tibia, and tibial tuberosity; replaceable bones and skin; and a pressurized system to allow aspiration of fluid. For femoral access, features include: palpable arterial pulse, realistic flashback from pressurized venous system, replaceable injection pad, and an articulated leg that allows proper positioning. 15-gauge intraosseous infusion needle included. Includes case.

Ref.no. R10143

Details:



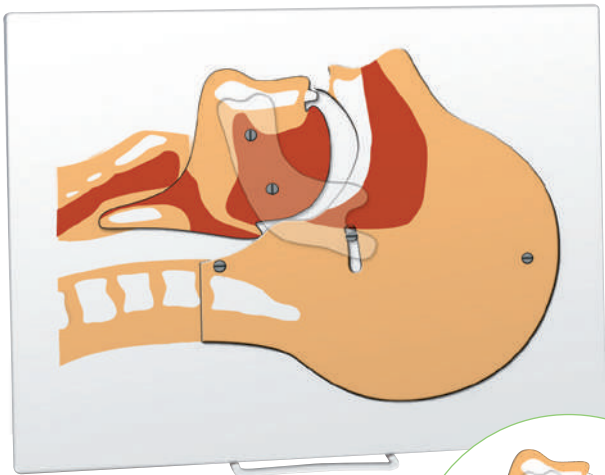
## Intraosseous Infusion trainer, Infant

This lower body of a six-month-old infant has two intraosseous injection sites. The bones are connected with a tubing system to allow aspiration of blood. Supplied with 10 replacement bones, 2 replacement skins and a transport case.

Ref.no. R10041

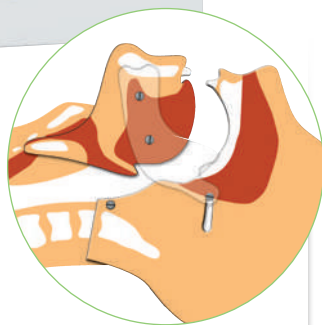
Details:





## Airway Simulation Board

The Airway Simulation Board allows instructors to effectively demonstrate a closed and open airway. Jaw and head are moveable and show accurate representation of the head tilt and airway opening or closing. Head is approximately the same size as a normal adult. Made of 5 mm Plexiglas.



Ref.no. R10142

Details:



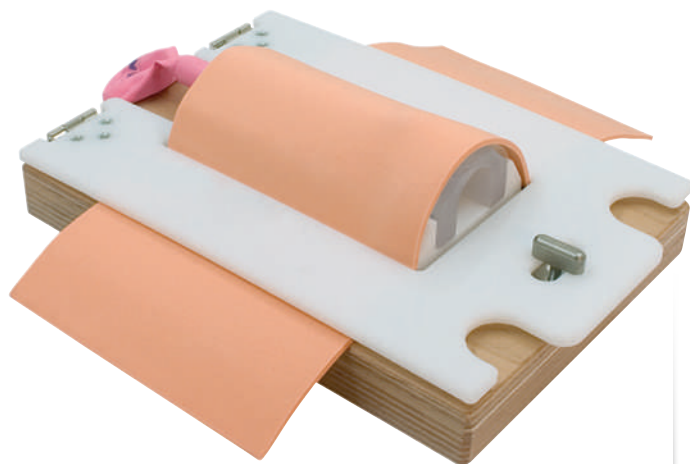
## Cricoid Stick Trainer

Needle and surgical cricothyrotomy skills can be practiced on this model with interchangeable rigid and soft tracheas.

- ✓ Anatomically accurate landmarks for site training
- ✓ Interchangeable tracheas facilitate realistic simulation of needle and surgical cricothyrotomy procedures. Rigid trachea with simulated lung
- ✓ Soft trachea with simulated lung
- ✓ Replaceable neck skin allows repeated practice
- ✓ Mounted on a base

Ref.no. R20015

Details:



## Cricothyrotomy and Tracheostomy Trainer „Frankfurt“

This universal trainer facilitates the training of Cricothyrotomy as well as Percutaneous Tracheostomy. It features a replaceable trachea and skin cover. Because of its special construction the skin cover is adjustable, allowing multiple procedures with only one skin cover. The trachea can be used for Cricothyrotomy as often as you like, it only has to be replaced after performing a Tracheostomy training. The trainer can also be used for transtracheal jet ventilation. Includes: Trainer, 10 skin covers, 10 tracheae

Ref.no. R67110

Details:



## Cricothyrotomy Trainer „Berlin“

This universal trainer facilitates the training of Cricothyrotomy. It features a replaceable skin cover and a moveable chin. Because of its special construction the skin cover is adjustable, allowing multiple procedures with only one skin cover. The skin cover consists of two separate layers to allow practicing the vertical and horizontal incision in surgical Cricothyrotomy. The trainer can also be used for transtracheal jet ventilation.



Ref.no. R67130

Details:





## Cricothyrotomy Simulator

The newly designed Cricothyrotomy Simulator has been developed for learning and practicing the techniques necessary to perform needle or surgical cricothyrotomy procedures. Paramedics, EMTs, combat medics, night nurses, anesthesiologists, and other emergency medical personnel will have the opportunity to strengthen ability and confidence to perform or assist in implementing surgical airways. Anatomically accurate landmarks aid in site training and allow for fast action. The hyperextended neck allows the user to determine the proper incision site. The trachea in the simulator is replaceable, as the airway passes completely through from top to bottom. This allows checking the stylet and obturator placement once the incision has been made. Complete with a chin and full-size neck, ties can be used to hold the obturator in a secure position. Inflation of the simulated lung verifies correct placement. Includes the simulator with base, six replaceable neck skins, six adult trachea inserts (four rigid, two soft), six child trachea inserts (four rigid, two soft), two simulated lungs, instruction manual, and hard carry case.

Ref.no. R10723

Details:



### Replacement Neck Skin (6 pcs)

Ref.no. R10723A

### Replacement Trachea Set Adult (6 pcs)

Ref.no. R10723B

### Replacement Trachea Set Child (6 pcs)

Ref.no. R10723C

## Cricothyrotomy Task Trainer

Learn, improve, and refine Cricothyrotomy skills with SurgiReal's newest trauma task trainer designed to give you the most realistic experience with the greatest value. Accurate and realistic landmarks allow for students to properly practice and perform cricothyrotomy to prepare for emergency surgical situations.

Inside your package is 1 Neck Base, 1 Simulated Skin, 1 Simulated Thyroid Cartilage

insert, 3 Simulated Thyrohyoid Membranes, as well as instructions for set-up, maintenance, and use of the model.

Ref.no. SRE0720

Details:

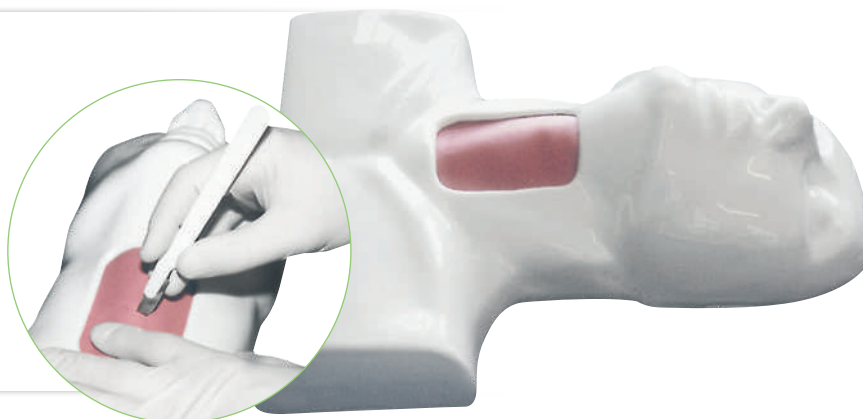


## Cricotracheotomy Trainer

An innovative non biological trainer is the Cricotracheotomy Trainer that simulates the laryngeal body tissue. Use of a simple disposable trachea transforms the trainer into a very effective low cost system.

Ref.no. R10095

Details:



## AIRWAY TRAINER



### Adult Deluxe Airway Management Trainer with Board

This adult airway maintenance head utilizes lifelike skin. The feel and an anatomy emphasizing accurate visualization features makes this trainer the choice for advanced airway management with the convenience of board mounting. Features include laryngospasm and tongue edema. Both lungs and stomach are visible for easy determination of successful intubation. All the anatomical landmarks are shown and the vocal cords are highlighted for easy viewing. The upper teeth break out if inappropriate technique is applied during intubations. The board is anchored to surfaces by suction cup feet.

The cricoid area replacement skin allows for an economical way to teach and practice surgical airway techniques. All of the standard adjuncts for airway maintenance work in this model. No carotid pulse.

#### Product features:

- ✓ The only head of its kind
- ✓ New material - new design!
- ✓ More lifelike feel than older styles
- ✓ Material stretches more than human skin
- ✓ Will not be damaged by aggressive intubation
- ✓ Very flexible tongue
- ✓ Vocal cords reside in a neutral position

Ref.no. R10118

Details:



### Economy Adult Airway Management Trainer with Board

This detailed adult intubation head comes mounted for clinical teaching and practice of advanced airway management. Intubation procedures and skills, including anatomy knowledge and recognition, endotracheal intubation, nasotracheal intubation, use of field emergency airway adjunct tubes like LMAs and Combitube, securing, suctioning, and maintenance of the installation can all be practiced with this unit. A soft carry bag, lubricant, and instructions for use are included.



Ref.no. R10752

Details:



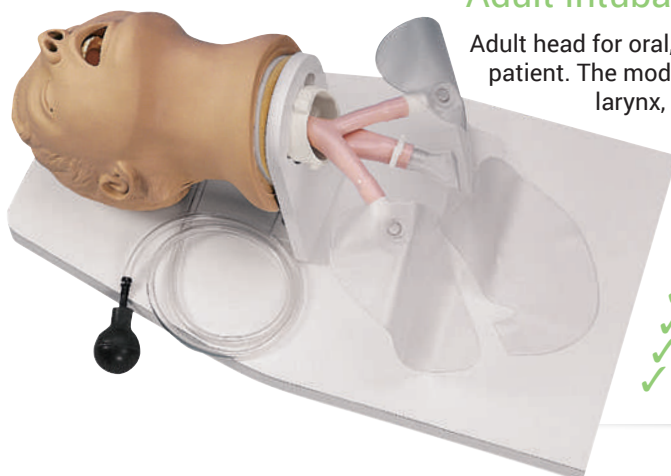
### Adult Intubation head

Adult head for oral, digital or nasal intubation training on a nonanesthetized patient. The model has anatomical structures like teeth, tongue, pharynx, larynx, epiglottis, vocal cords, trachea, lungs, oesophagus and stomach. Training opportunities:

- ✓ oral, digital and nasal intubation
- ✓ endotracheal
- ✓ oesophageal oral
- ✓ pharyngeal tracheal lumen
- ✓ combitube
- ✓ suction and ventilation techniques
- ✓ cuff inflation
- ✓ Sellick manoeuvre

Ref.no. R10014

Details:





By applying pressure on the cricoid cartilage, the position of the trachea is changed and the esophagus closes, allowing the Sellick Maneuver to be practiced realistically.



### Larry Airway adult airway management trainer torso

Ref.no. R10190

Details:



The Airway Larry Airway Management Trainer simulates a nonanesthetized patient for practicing oral and nasal intubation. Realistic anatomical landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach. CPR and airway management procedures may be performed. Manual carotid pulse. Comes with pump spray lubricant and disposable lower airway for the manikin.

**Training options:**

- ✓ oral, digital, and nasal intubation
- ✓ E.T., E.O.A. and P.T.L. tube
- ✓ L.M.A., E.G.T.A., Combitube®, and KING System
- ✓ Suction techniques and proper cuff inflation
- ✓ Sellick maneuver



### Advanced Larry airway management trainer torso

The Advanced "Airway Larry" Trainer offers tongue swelling and laryngospasm in addition to all the features on the standard Larry model. This airway management trainer simulates a nonanesthetized patient for practicing nasal and oral intubation. Realistic anatomical landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach.

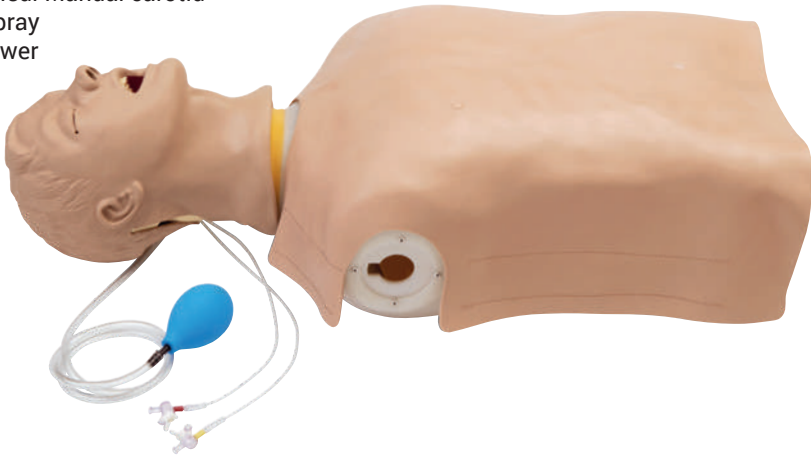
Mounted on a Basic Torso, CPR and airway management procedures may be performed. Manual carotid pulse. Comes with pump spray lubricant and disposable lower airway for the manikin.

**The trainer allows you to practice:**

- ✓ difficult airway management
- ✓ oral, digital, and nasal intubation
- ✓ E.T., E.O.A. and P.T.L. tube
- ✓ L.M.A., E.G.T.A., Combitube®, and KING System
- ✓ Suction techniques and proper cuff inflation
- ✓ Sellick maneuver

Ref.no. R10191

Details:

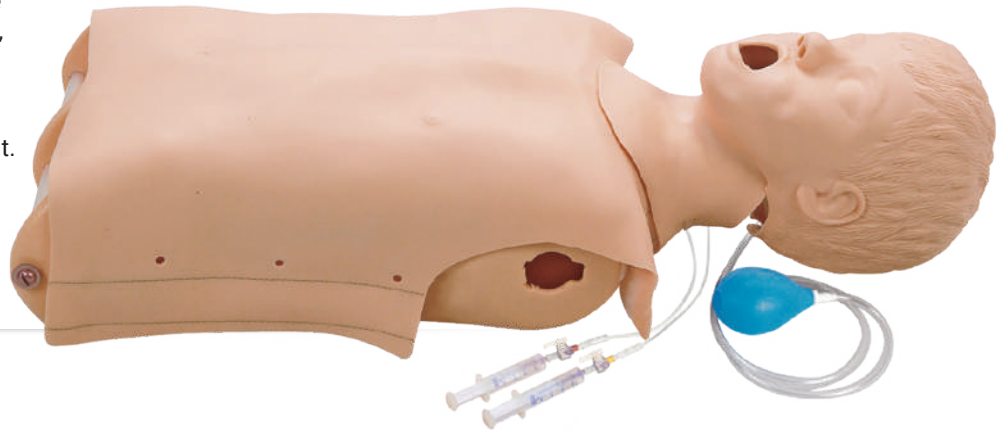


## Child CPR/Airway Management Torso

The CPR/Airway Management Torso is ideal for practicing intubation, ventilation, suctioning techniques, and CPR. This torso is designed to be the foundation of the Child CRiSis system (Ref.no. R10154/1, page 239) as arms, legs, and a defibrillation chest skin can be added later to provide IV access, intraosseous infusions, blood pressure monitoring, and ECG recognition and defibrillation training. Includes pump lubricant.

Ref.no. R10192

Details:



## Larry Erwachsenen-Airway Management Trainer Ganzkörperpuppe

The Airway Larry Airway Management Trainer simulates a nonanesthetized patient for practicing oral and nasal intubation. Realistic anatomical landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach. Mounted on a basic CPR full body manikin. CPR and airway management procedures may be performed. Manual carotid pulse. Comes with pump spray lubricant and disposable lower airway for the manikin.

**Airway Larry adult airway management trainer full body with electronics** can be used with CPR Metrix monitoring system, see page 233.

Ref.no. R10193

Details:



By applying pressure on the cricoid cartilage, the position of the trachea is changed and the esophagus closes, allowing the Sellick Maneuver to be practiced realistically.

**The trainer allows you to practice:**

- ✓ oral, digital, and nasal intubation
- ✓ E.T., E.O.A. and P.T.L. tube
- ✓ L.M.A., E.G.T.A., Combitube®, and KING System
- ✓ Suction techniques and proper cuff inflation
- ✓ Sellick maneuver

**Airway Larry adult airway management trainer full body without electronics**  
No monitoring function.

Ref.no. R10193-1

Details:





## S.A.L.A.D. Simulator

Suction Assisted Laryngoscopy and Airway Decontamination (S.A.L.A.D.) simulator uses suction to enhance first pass success-laryngoscopy (FPS-L) with a non-anesthetized patient in active emesis.

- ✓ Simulates a non-anesthetized patient for practicing intubation, ventilation, and suction.
- ✓ Practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L, L.M.A., Combitube®, and King System insertion.
- ✓ Permits suction techniques, and proper cuff inflation with active emesis.
- ✓ Anatomy and landmarks include teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, esophagus, and cricoid cartilage.
- ✓ Offers room to maneuver and a slightly anterior position, making the simulator great for introductory classes as well as advanced students.
- ✓ Apply cricoid pressure to change the position of the trachea and close the esophagus.
- ✓ Rigid suction catheter distracts lower mandible and tongue to permit laryngoscope insertion.
- ✓ Realistically practice the Sellick maneuver.
- ✓ Manual carotid pulse.
- ✓ Includes "Airway Larry" Adult Airway Management Trainer Head, suction canister with 2 right angle tubing adapters, gallon container with hand pump, two simulated latex-free lungs, thickener, rigid suction catheter, two 3-ft. (1 m) lengths of clear vinyl tubing, pump spray lubricant, 5 red caps with white fittings, tubing couplings, 5 pinch clamps, #10 spanner bit, and carrying case with handle.



Ref.no. R10013

Details:



## Difficult Airway Management Simulator

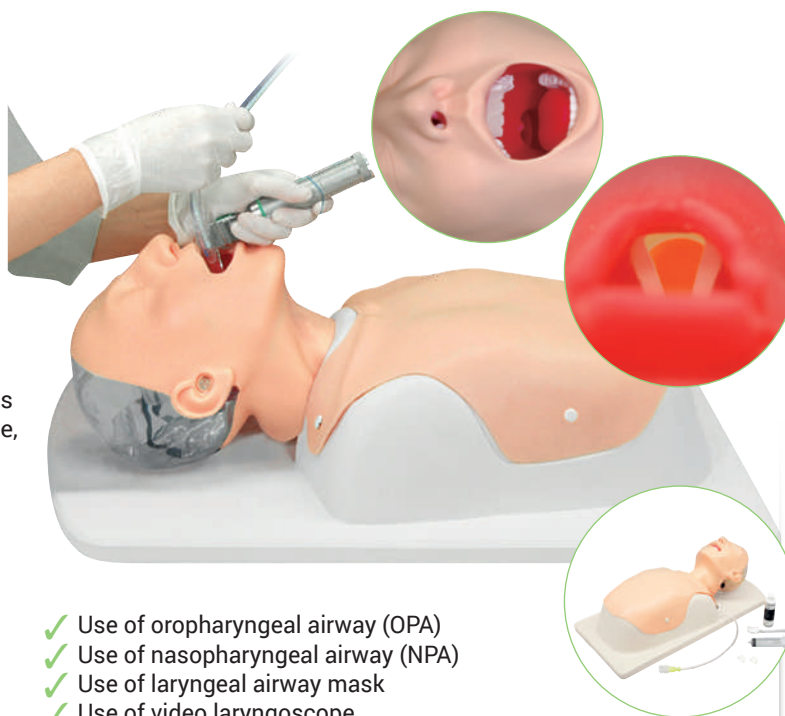
The Difficult Airway Management Simulator provides training for users of all levels of experience with availability of 24 different cases. The robust structure and stable base make the model compatible for various training scenarios such as emergency, pre-hospital or clinical settings. A variety of real clinical devices can be used for training, such as a laryngoscope, bag valve mask, or a video laryngoscope.

### Features:

- ✓ 24 variations of patient scenario (including 1 normal case)
- ✓ 3 stages of mouth opening, 2 stages of neck flexibility
- ✓ 2 tongue sizes and 2 positions of the vocal cords
- ✓ Upper incisors are designed to break off when excessive force is applied.

### Training Skills:

- ✓ Airway opening techniques (head tilt, jaw thrust)
- ✓ Bag-Valve-Mask ventilation
- ✓ Pre-intubation airway assessment
- ✓ Recreating the sniffing position
- ✓ Pressurization of external larynx to improve the laryngeal view
- ✓ Oral/Nasal Intubation



- ✓ Use of oropharyngeal airway (OPA)
- ✓ Use of nasopharyngeal airway (NPA)
- ✓ Use of laryngeal airway mask
- ✓ Use of video laryngoscope
- ✓ Confirmation of successful intubation by observation of thoracic and abdominal movement (lung expanding, stomach inflating) or auscultation of the chest
- ✓ Simulates incorrect procedures including intubation in the esophagus and unilateral intubation
- ✓ Practice securing tubes after intubation

**Optional: Bronchial tree for bronchofiberscopy**

Ref.no. R16060-1

Ref.no. R16060

Details:





## Difficult Airway Management Simulator for Bronchofiberscopy

This trainer allows for realistic training in insertion and management of a fibroscope. Anatomically correct trachea and bronchi provide realistic view through a scope, allowing recognition of bronchus and bifurcations for segmental bronchi.

### Training Skills:

- ✓ Insertion and management of a fibroscope
- ✓ Recognition of bifurcations by a fibroscope
- ✓ Airway opening techniques (head tilt, jaw thrust)
- ✓ „Sniffing position“

Ref.no. R16062

Details:



## Demonstration Model Difficult Airway Management

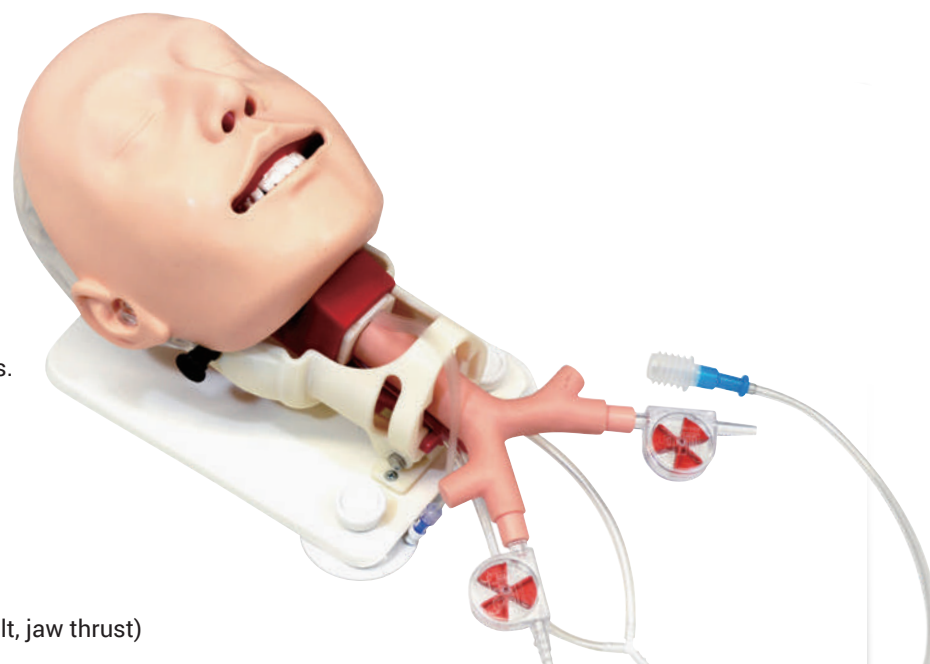
Compact table-top design, anatomical accuracy and a variety of Difficult Airway Management settings. Ideal for demonstration of skills and devices.

### Features:

- ✓ Anatomically correct airway
- ✓ The incisors break when excessive force is applied.
- ✓ Successful tube tip placement can be confirmed by indicators.

### Training Skills:

- ✓ Airway opening techniques (head tilt, jaw thrust)
- ✓ Bag-Valve-Mask ventilation
- ✓ Pre-intubation airway assessment
- ✓ „Sniffing position“
- ✓ Pressurization of external larynx to improve the laryngeal view
- ✓ Oral/Nasal Intubation
- ✓ Use of oropharyngeal airway (OPA)
- ✓ Use of nasopharyngeal airway (NPA)
- ✓ Use of laryngeal mask airway
- ✓ Use of video laryngeal scope
- ✓ Confirmation of successful ventilation by indicators
- ✓ Feedback of incorrect procedures including esophagus intubation and unilateral intubation
- ✓ Securing the tube in place with tape or Thomas™ endotracheal tube holder



Ref.no. R16061

Details:







## Airway Management Trainer

Realistic practice is the key to developing proficiency in airway management skills. The Airway Management Trainer's offers the following Training opportunities:

- ✓ Practicing of oral and nasal intubation
- ✓ Practicing use of LMA (Laryngeal Mask Airway) and Combitube®
- ✓ Demonstration of Sellick Maneuver and laryngospasm
- ✓ Bag-Valve-Mask ventilation
- ✓ Stomach inflation and vomiting can be simulated
- ✓ Provides visual inspection of lung expansion
- ✓ Provides auscultation of breath sounds

Ref.no. R20010  
Details:



## Airway Management Trainer



Ref.no. R30080  
Details:

The adult intubation trainer is ideal for Airway management training. It has realistic and lifelike anatomy, which is exposed by a lateral opening on the left half of the face. The intubation process can be observed closely and corrected if necessary. The transparent walls of pharynx and trachea additionally offer a perfect control opportunity. Easy access to the airways. The head can be lifted and tilted. The foam pillow is used as padding under the head to create an optimal starting position. The Esmarch maneuver can be carried out in an anatomically correct manner.

The trainer is suitable for nasal and oral intubation with different products such as ET tube, Laryngeal mask, Laryngeal tube and Combitube. In addition, suction techniques at pharynx and trachea can be practiced. Acoustic signals are tooth and stomach alarm.

## Airway Trainer

This handheld device offers a convenient and affordable method for basic life support instructors to show students the sizing and intubation of upper airway devices such as oropharyngeal, nasopharyngeal, and larynx mask airways.



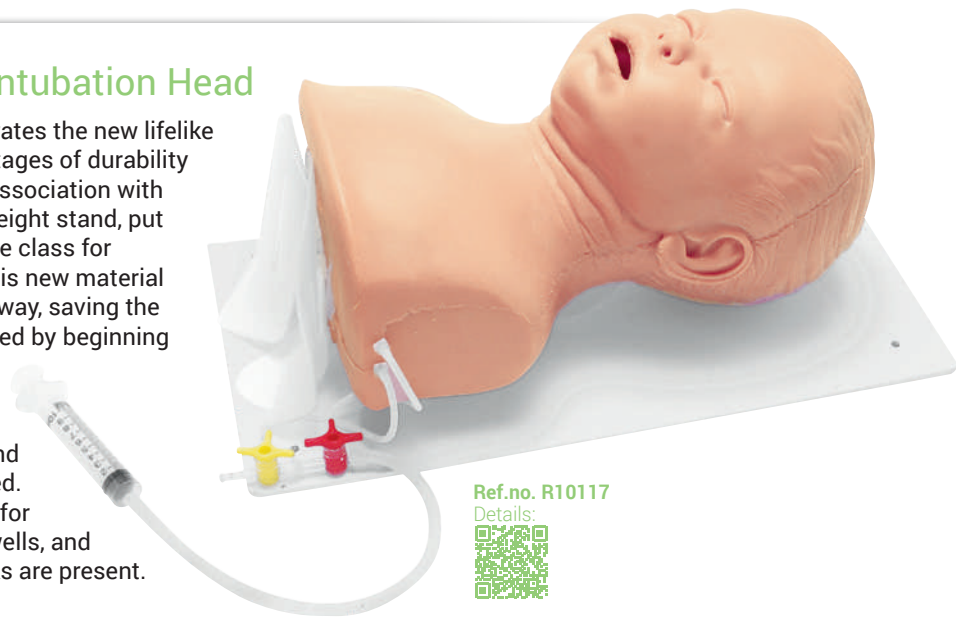
Infant  
Ref.no. R10751  
Details:



Adult  
Ref.no. R10750  
Details:

## Advanced Infant Intubation Head

This station trainer incorporates the new lifelike skin technology. The advantages of durability and lifelike appearance, in association with the convenience of a lightweight stand, put this device at the head of the class for pediatric airway training. This new material eliminates tearing of the airway, saving the need for costly repairs caused by beginning student intubation attempts. Translucent property allows for lifelike illumination of the airway and neck as the skill is attempted. Vocal cords are highlighted for easy viewing, the tongue swells, and all the anatomical landmarks are present.



Ref.no. R10117

Details:



## Neonatal Intubation Trainer

This Neonatal Intubation Trainer allows teaching of intubation skills on the newborn baby. Robust and realistic, this model allows students to undertake training that is directly transferable to the clinical setting. Realistic anatomy of a newborn baby. Intubation (oral and nasal). Bag-Valve-Mask ventilation. Correct tube placement can be checked by practical inflation test.

Ref.no. R20011

Details:



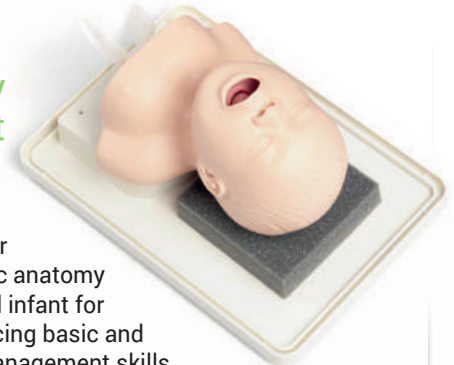
## Infant Airway Management Trainer

The Infant Airway Management Trainer provides the realistic anatomy of a three-month-old infant for teaching and practicing basic and advanced airway management skills.

Realistic representation of human anatomy, tissue, and skin material. Realistic anatomy of the tongue, oropharynx, epiglottis, larynx, vocal cords, and trachea. Bag-Valve-Mask ventilation can be practiced. Sellick Maneuver can be performed. Practicing of oral and nasal intubation. Practicing use of LMA (Laryngeal Mask Airway). Realistic tissue simulation. Correct tube placement can be checked by practical inflation test. Stomach inflation.

Ref.no. R20012

Details:



## Intubation- and Reanimation Neonate

Life size Neonate with the opportunity of intubation and bag valve mask ventilation as well as chest compression.

### Features:

- ✓ Use of intubation tube or laryngeal masks
- ✓ Recognition of one-sided lung intubation
- ✓ Bag valve mask ventilation
- ✓ Oral and nasal suction practice
- ✓ Chest compression
- ✓ Umbilical vein catheterisation
- ✓ Determination of heart rate at umbilical cord (manual)

Ref.no. LM89

Details:





This life-size torsos allow practicing abdominal/chest thrust back blow procedures (Heimlich manoeuvre) and mouth sweep for clearing a blocked airway. When correct procedures are performed, the manikin will expel the object causing an obstruction. Made of durable vinyl to create tactile realism.

**Features include:**

Anatomical landmarks such as ribcage, xiphoid process and jugular notch. Supplied with choking objects, shirt and soft carrying bag.

## Infant manikin

Ref.no. R10141



## Adult

Ref.no. R10038



## Adolescent

Ref.no. R10039



## Child

Ref.no. R10040



## Obese manikin

Ref.no. R10140



### Ambu Man School

This training manikin allows realistic and guideline compliant training of external chest compressions and the placement of AED pads in order to get used in the handling of AED's. The unique hygienic system prevents cross contamination when demonstrating and training of the principals of ventilation through mouth and nose.

10 er Set  
Ref.no. R30040



### Basic Buddy CPR Manikin

The Basic Buddy CPR Manikin is an inexpensive manikin designed for teaching the techniques of CPR. This manikin offers an affordable way to provide each student with a CPR manikin. The one-piece, disposable lung/mouth protection system makes this manikin completely sanitary - there is no risk of cross contamination and no need to sanitize the manikins after use! The airway opens using the head tilt/chin lift method, and there is a visible chest rise when ventilated. The xiphoid process provides an anatomical reference point.

Basic Buddy,  
Includes 10 airways  
Ref.no. R10090



Basic Buddy 5 pack: 5 Manikin,  
Carry bag, 50 airways  
Ref.no. R10090-1

Basic Buddy 10 pack: 10 Manikin,  
Carry bag, 100 airways  
Ref.no. R10090-2



Ref.no. R11090  
Details:



Pack of 5pcs  
Ref.no. R11090-5

### Basic Buddy Plus

Enables accurate and effective training with apps and sensor kit. Student and instructor apps provide real-time feedback and feature adult capabilities, as well as a realistic interface. Basic Buddy manikin simple to assemble and maintain. Provides an open airway using the head-tilt/chin-lift method with a visible chest rise when ventilated. Xiphoid process provides anatomical reference point for hand placement and compressions. The Training data is saved digitally on the phone or tablet.

### CPR Prompt Plus

Professional-quality, 2019 AHA Compliant manikin at a fraction of the cost. HeartSense Solutions enables accurate and effective training with apps and sensor kit. Student and instructor apps provide real-time feedback and feature adult capabilities, as well as a realistic interface. Comprehensive manikin design allows for practice of Heimlich maneuver, as well as CPR and mouth-to-mouth breathing. Realistic anatomical markings make it easy to learn correct hand placement for checking pulse and performing chest compressions. Delivers the head-tilt/chin-lift method to open the airway or simulate obstructed airway with a visible chest rise when ventilated.

Ref.no. R11092  
Details:



Prompt Plus 5pack  
Ref.no. R11092-2





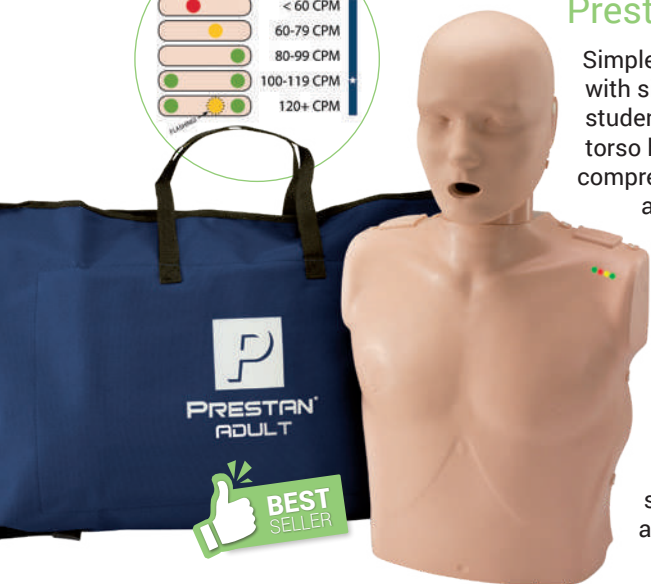
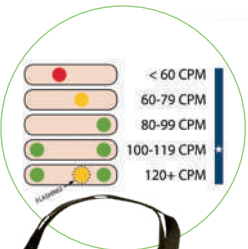


### Prestan Ultralite Manikin

Prestan is pleased to offer the newest and most portable manikin, the Ultralite Manikin. The Ultralite Manikin is amazingly easy to set up and is sold in a convenient and lightweight 4-pack for efficient training-on-the-go. This durable manikin offers an affordable tool for CPR training, with all the quality and realism you expect from Prestan. Features:

- ✓ Uniquely fast and easy set-up
- ✓ Stackable torsos and heads generate a compact package for transporting multiple units
- ✓ Clamshell opening provides easy access
- ✓ Manikin is easy to clean
- ✓ Vinyl and latex free
- ✓ Compatible with AED Trainer pads
- ✓ Anatomically correct design includes xyphoid process
- ✓ Realistic chest compressions to a 5cm depth
- ✓ Life tested to a half-million compressions
- ✓ Realistic head tilt
- ✓ Visible chest rise with lung bag use
- ✓ Unique torso design for realistic feel
- ✓ Prestan manikins comply with latest AHA, ARC and ERC guidelines.

Ref.no. R19050  
 Details:



### Prestan CPR Torso with indicating function

Simple to use CPR Manikin with sanitary airway/face shield. For use with single students using the sanitary airway/face shield or for multiple students use with optional filtered face shield to avoid infections. The torso has a built-in indication function for compression depth and compression rate. The correct compression depth is indicated by an audible „click“ sound, the compression rate by a multi-colour light display. Up to 60 compressions per minute a red light lights, above the light changes to orange. If the student reaches 80 compressions per minute this is shown by one green light. Reaching 100 compressions per minute is indicated by two green light meaning the compression rate is ok. If the student slows down the colours change backwards. If the compression depth is not enough, the lights are shut off immediately and one red light is flashing. The model is supplied with a carrying bag, is easy to clean and needs no special service. The model comes with torso, carrying bag and 10 sanitary airway/face shields.

Ref.no. R19100  
 Details:

Pack of 4pcs  
 Ref.no. R19100-1

### Prestan 2000 CPR Torso with additional App

The same high quality, realistic Professional Adult Manikin is now available with Advanced Feedback including Rate, Depth, Recoil, Ventilation and Hands-Off Time via a Bluetooth® enabled PRESTAN CPR Feedback app available on both Apple and Android devices.

Ref.no. R19700  
 Details:





Now available with built-in sensors, results can be displayed in real-time by Learner- or instructor app

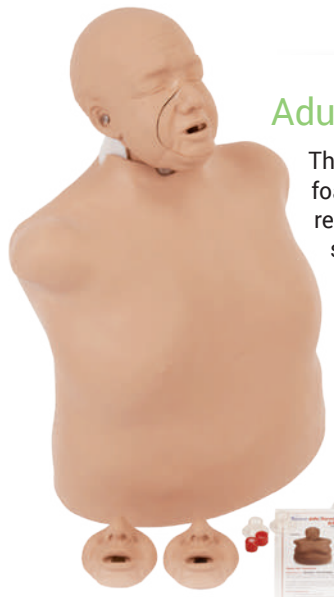
**BEST SELLER**

Ref.no. R20051  
Details:

## Little Anne Q CPR

The proven training model Little Anne is now available with real-time-feedback with free app.

- ✓ Perfect for basic CPR training with the educational goal to teach qualified CPR knowledge
- ✓ Realistic anatomical landmarks provide the essential features necessary to teach adult CPR techniques
- ✓ Oral and nasal passages allow realistic nose pinch required for mouth-to-nose ventilation
- ✓ Opening the airway by head tilt/chin lift technique
- ✓ Economical disposable airways, removable and reusable



## Adult CPR Torso, obese

This economical CPR manikin is constructed of soft, realistic vinyl plastic over polyurethane foam for a "human" feel. Features include a longer torso for realistic abdominal thrusts, realistic head tilt and chin lift for opening airway, can easily be manipulated to realistically simulate airway obstruction or choking situations, and a user-friendly lung/airway design that eliminates cleaning. Includes kneeling pads and carry bag, three mouth/nose pieces and three disposable lung/airway systems. This model has the same technical features as R10054 but has a different optical appearance. Since many of the typical victims are over weighted and older this model makes the training closer to life.

Ref.no. R10051  
Details:

**Mouth/Nose pieces, 10pcs**  
Ref.no. R10051A  
**Airway Systems, 24pcs**  
Ref.no. R10051B



## Ambu Man Compression

The manikin allows an optimal training of the external chest compression, which is in the focus of the education of modern BLS algorithms. Additionally the manikin can be used for realistic training of the placement of AED pads in order to get used in the handling of AED's. The AmbuMan Compression 5 pack is optimal for class training.

Set of 5pcs  
Ref.no. R30045  
Details:

Comes with additional head for a more lifelike appearance. 5 pack:  
Ref.no. R30045-1





## Econo VTA (Visual Training Assistant) CPR Trainer

Train your CPR skills simple and cost effective!

- ✓ Simple face shield lung system means no cleaning, disinfecting, or disassembly is required
- ✓ Features head tilt/chin lift feature for opening the airway, tough vinyl skin for extended service, and a foam-filled torso for resistance to compressions
- ✓ Palpable landmarks ensure proper hand placement
- ✓ Observable chest rise verifies ventilation
- ✓ Rate light comes on when the correct rate is achieved
- ✓ Second light comes on to show correct depth with proper release
- ✓ Both lights on indicate the delivery of quality CPR
- ✓ Includes three airways and instructions

Ref.no. R10068

Details:



## Compact CPR Training Manikin Brad

This economical CPR manikin is constructed of soft, realistic vinyl plastic over polyurethane foam for a "human" feel. Features include a longer torso for realistic abdominal thrusts, realistic head tilt and chin lift for opening airway, can easily be manipulated to realistically simulate airway obstruction or choking situations, and a user-friendly lung/airway design that eliminates cleaning. Includes kneeling pads and carry bag, three mouth/nosepieces and three disposable lung/airway systems.

Ref.no. R10054

Details:



Brad with Light Controller

Ref.no. R10059

Details:



## AmbuMan Basic

The AmbuMan Basic is a cost-efficient training device that is tailored to the needs of BLS algorithm training.

- ✓ Visualization of the correct compression depth
- ✓ Ambu hygiene system avoids cross-infection
- ✓ Realistic ventilation is only possible if head is tilted, visible lifting and lowering of the thorax
- ✓ cost efficient and reliable

Ref.no. R30050

Details:



## Prestan AED Trainer Plus

This AED trainer offers everything you expect from an AED trainer. Platform independent, rugged, economically priced, and with low consumables cost it is the perfect AED trainer for everyone doing AED training. It comes with two languages (English/German), which can be switched easily pressing a button. Pre-programmed scenarios cover the whole range of training. The teacher can pause the scenario at any time to comment the training. The scenario continues at the same position after pause function is deactivated. The model contains the current guidelines and can be updated at any time by simply changing the easy to replace module. The pads do have a sensor indicating whether they are attached or not. Exchanging the pad is easy because of a simple connecting system. Easily switch from automatic or semi-automatic mode to match the AED on site.

Ref.no. R19500

Details:



Remote control for AED trainer  
Ref.no. R19500-1

Replacement pads, 1 pair  
Ref.no. R19500A



## Prestan AED UltraTrainer

The Prestan AED UltraTrainer is the most accurate representation of how current AEDs in the marketplace perform. This compact and lightweight unit will give students a realistic training experience with training pads that sense when they are placed on a manikin. Instructors can customize their training classes with options to turn on or off the compression metronome and/or the "give breaths" voice prompt.

- ✓ Prestan is the First and Only Universal AED Trainer with adult and child mode
- ✓ Automatic or Semi-Automatic shock simulation
- ✓ Two languages (ENG/GER)

Ref.no. R19550

Details:



## Resusci Anne First Aid

The Resusci Anne for First Aid offers optimal realism in adult First Aid education. With its modular construction, students can also quickly sharpen their trauma treatment and extrication skills by adding the First Aid or Rescue limbs for a more true-to-life training exercise.

Consumables:

Replacement face skins, set of 6  
Ref.no. R20060A

Replacement airways, set of 24  
Ref.no. R20060B

Resusci Anne  
First Aid torso

Ref.no. R20060

Details:



Resusci Anne  
First Aid full body

Ref.no. R20065

Details:



Including a trolley case for transport and storage.





## Resusci Anne QCPR

Resusci Anne® QCPR® sets a new standard for high quality CPR training. The new feedback devices provide learners and instructors with clear feedback on how to improve their performance, the opportunity to improve competency through debriefing, new possibilities to coach even more effectively and to save and analyze training records.

**Available Versions:**

**Resusci Anne QCPR torso**  
With carry bag

Ref.no. R20082

Details:



**Resusci Anne QCPR torso with airway head**  
With carry bag

Ref.no. R20083

Details:



**Resusci Anne QCPR full body**  
With transport trolley

Ref.no. R20084

Details:



**Resusci Anne QCPR full body with airway head**  
With transport trolley

Ref.no. R20087

Details:



**Resusci Anne QCPR torso AED**  
Can be used with Laerdal AED trainers. With carry bag.

Ref.no. R20088

Details:



**Resusci Anne QCPR torso AED with airway head.** Can be used with Laerdal AED trainers. With carry bag.

Ref.no. R20089

Details:



**Resusci Anne QCPR full body AED**  
Can be used with Laerdal AED trainers. With transport trolley.

Ref.no. R20092

Details:



**Resusci Anne QCPR full body AED with airway head.** Can be used with Laerdal AED trainers. With transport trolley.

Ref.no. R20093

Details:



Available display units:

**Skill Guide**

Ref.no. R20180

Details:



**SimPad Plus**

**Skillreporter**

Ref.no. R20191

Details:



## ShockLink

is the simple solution for defibrillator training with every manikin. With ShockLink you have the opportunity to learn all important skills for CPR. The ShockLink cable is connected to training defibrillation pads and a defibrillator. The delivered shock is absorbed in the ShockLink cable. Because of this no other training model with contacts or load box is needed. Perfect for use with Resuscie Anne AED models. Using this model and the SimPad Plus the ECG can be controlled with the SimPad Plus directly.



Ref.no. R20160

Details:



## CPR trainer full body

This easy to transport manikin allows the practice of adult CPR techniques. Optionally child CPR can also be practiced by changing the supplied springs inside the model. Individual student face masks with a one-way non-rebreathing valve and disposable airways provide maximum protection against cross-contamination. Supplied with a washable jogging suit, child springs, 10 disposable lower airways, 10 disposable tracheal airways, five sanitary face masks and a carrying case.

### Features include:

- ✓ Palpable anatomical landmarks (xiphoid, navel, nipples and rib cage)
- ✓ Adult CPR training with optional child springs
- ✓ Fully articulated head, neck and jaw
- ✓ Palpable carotid pulse
- ✓ With electronic connections

### Available supplies:

Replacement face masks, 5 pcs, [Ref.no. R10052A](#)  
 Replacement face masks, 25 pcs, [Ref.no. R10052B](#)  
 Spare Valves for face mask, 25 pcs, [Ref.no. R10052C](#)

### Disposables:

Upper Airway, 10 pcs, [Ref.no. R10052D](#)  
 Lower Airway, 10 pcs, [Ref.no. R10052E](#)



### Full body

[Ref.no. R10052](#)

Details:



### Torso

Model like R10052, but without legs.

[Ref.no. R10052-4](#)

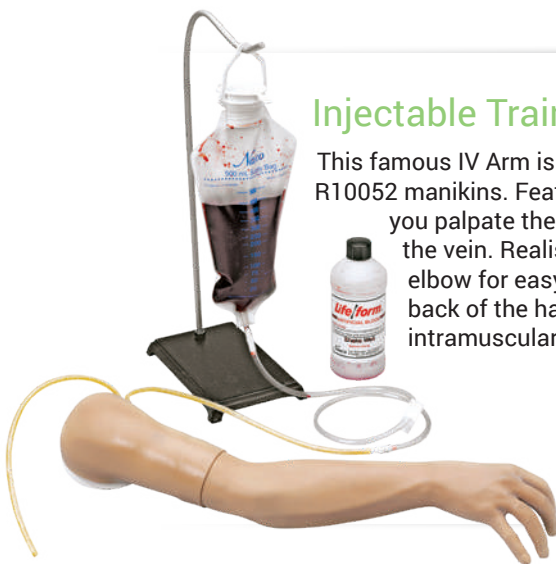
Details:



Feedback software for this manikin can be found on page 233.

## Injectable Training Arm

This famous IV Arm is available in a version that connects to the right arm socket of the R10052 manikins. Features realistic vinyl skin and latex veins so the skin actually rolls as you palpate the vein, and the characteristic "pop" can be felt as the needle penetrates the vein. Realistic flashback occurs with proper insertion. The arm pivots at the elbow for easy accessibility to antecubital fossa, along the forearm, and at the back of the hand. A bony landmark at the shoulder helps identify muscle tissue for intramuscular injections.



[Ref.no. R10052-5](#)

Details:



### Replacement skin and vein

[Ref.no. R10052-5A](#)

Details:

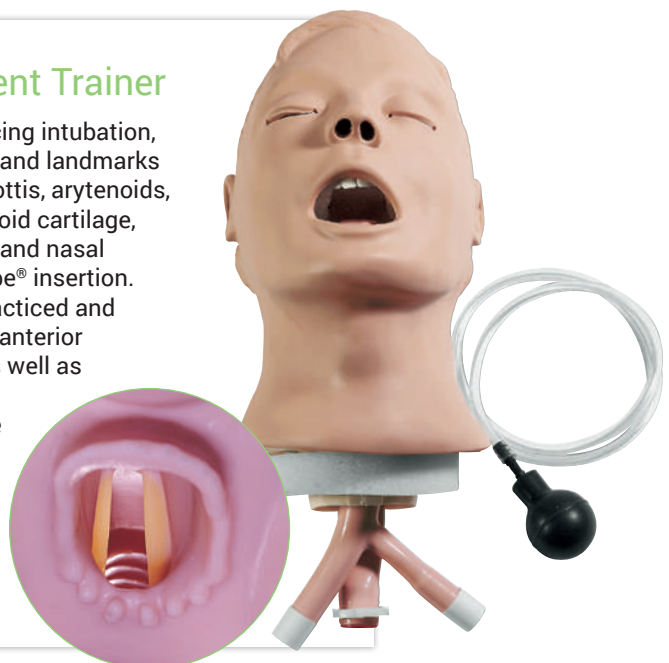


## Airway Larry Adult Airway Management Trainer

Airway Larry simulates a nonanesthetized patient for practicing intubation, ventilation, suction, and CPR techniques. Features anatomy and landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, cricoid cartilage, and stomach. The trainer allows you to practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., L.M.A., and Combitube® insertion. Suction techniques and proper cuff inflation may also be practiced and evaluated. This trainer has room to maneuver, and a slightly anterior position, making it a great trainer for introductory classes as well as advanced students. Also, applying cricoid pressure changes the position of the trachea and closes the esophagus, so the Sellick maneuver can be realistically practiced. Features durable, rugged, one-piece construction. Has ability to be attached to R10052. This feature allows you to teach intubation and basic CPR on the same manikin. Not for use without a manikin.

[Ref.no. R10052-6](#)

Details:



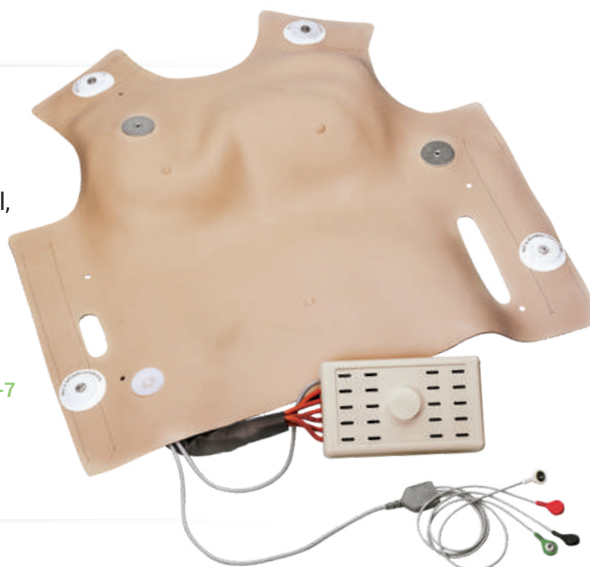


## Defibrillation Chest Skin

Perfect for practicing defibrillation on R10052 manikins. The chest skin lets you defibrillate using standard manual, automatic, or semi-automatic external monitor defibrillators by attaching directly to your manikin. An internal load box absorbs the full strength of every shock to protect students and equipment. The skin also makes it possible to monitor the manikin from 4 ECG sites, just like a real patient. Can do manual, AED, and quick look defibrillation. Skin attaches easily to R10052 and is compatible with any patient simulator.

Ref.no. R10052-7

Details:



## Interactive ECG Simulator

- ✓ Defibrillation shock can be delivered through manikin or simulator
- ✓ Practice operating your defibrillator/external pacer without a manikin. Connect defibrillator/external pacer to simulator using adapters
- ✓ Built-in circuitry allows you to defibrillate and pace directly into the simulator and observe ECG rhythms through the PADS connector

- ✓ Convert feature
- ✓ Select another rhythm to run immediately after defib discharge
- ✓ Pacing can be done on any manufacturer's defibrillator
- ✓ Battery saver feature powers-off simulator automatically when not in use

### Waveforms available for pacing include:

- ✓ Sinus Brady
- ✓ Junctional Brady
- ✓ Second degree type I A-V block
- ✓ Second degree type II A-V block
- ✓ Second degree type II A-V block with PVCs
- ✓ Third degree A-V block

### 17 Adult/Pediatric Rhythms:

- ✓ V. Fib- V. Tach (Fast)
- ✓ V. Tach (Slow)
- ✓ V. Tach (Polymorphic)
- ✓ A Fib- A Flutter

- ✓ SVT- Sinus Tach
- ✓ Sinus with PVCs
- ✓ Asystole- NSR
- ✓ Sinus Brady
- ✓ Junctional Brady
- ✓ Second degree type I A-V block
- ✓ Second degree type II A-V block
- ✓ Second degree type II A-V block with PVCs
- ✓ Third degree A-V block
- ✓ Generate realistic 3-lead or 4-lead ECG rhythms
- ✓ The RA, LA, and LL signal morphologies create accurate representations of the QRS, P, and Taxes
- ✓ Requires one 9-volt alkaline battery

Ref.no. R10052-9

Details:



## Blood Pressure Simulator

Designed to easily attach to the shoulder openings of R10052 manikins. The arm is hinged to swing away from the body for easy accessibility. The arm is programmed to demonstrate the five Korotkoff phases, and an auscultatory gap switch may be used to simulate the auscultatory gap that is sometimes present between Phase I and Phase II sounds. Separate pulse rate control varies the frequency of heart rate from approximately 50-100 beats per minute. The Blood Pressure Simulator includes a sphygmomanometer cuff and gauge assembly.

Ref.no. R10052-8

Details:



**Speaker for Blood Pressure Simulator R10052-8.** Allows to hear the sounds without using a stethoscope.

Ref.no. R10052-8A

Details:



## Ambu Man Wireless

is the ideal training manikin for the advanced BLS algorithm training. It is specially designed for basic training of medical and nursing staff and also designed for education of lay people. Comes with user friendly Ambu hygienic system that prevents cross-contamination and licence free self-training module.

- ✓ Integrated feedback display
- ✓ Browser based wireless management software
- ✓ Self-training module
- ✓ Carotid pulse
- ✓ Lifelike ventilation
- ✓ Ambu hygienic system
- ✓ Realistic body anatomy
- ✓ Modular construction for possible extensions

Ref.no. R30070

Details:



**Defibrillator**

Ref.no. R30060

Details:



**Airway**

Ref.no. R30020

Details:



### Replacements:

Arms + legs Ref.no. R30020-1

Akku Pack for AmbuMan Ref.no. R30010-1

Injection arm Ref.no. R30020-2

IO Set for Ambu Man legs Ref.no. R30020-3



## AmbuMan Advanced

is latest training manikin generation, which is made to fulfil all the needs of Advanced Life Support (ALS)-Training.

**The focus of the manikins is on the algorithm:** Airway Management, ECG simulation, defibrillation and the training of i.v. and i.o. access techniques. The core is the AmbuMan with the latest, integrated Ambu Wireless Technology. The browser-based Ambu Manikin Management Module allows the wireless control, documentation and monitoring of the trainee's performance. The Ambu Manikin Management Module is the central interface, where all data and information come together: compression depth, correct hand position, ventilation volume, stomach inflation. Using AmbuMan Advanced, you can create custom scenarios and adapt them perfectly to different course concepts. The AmbuMan Advanced is the ALS training manikin for professionals.

**Customised scenario training:** The AmbuMan Advanced offers new possibilities for

implementation of course concepts in accordance to the demand of instructors and the current ERC / AHA guidelines, especially the 2015 guidelines. Your creativity has no limits. The intuitive user interface allows a creation of custom scenarios quick and easy. These can manually be adjusted during the training, depending on the training situation. The CPR parameters and manual events are documented wirelessly and included into the evaluation and debriefing.

**New level of debriefing:** Individual trainee evaluation in group training for more efficient training. Each participant receives his personal results (up to four participants).

**Connectivity:** WLAN or LAN - Ambu Wireless Technology built on latest generation of Intel WLAN Modules.

**Ambu Manikin Management Module:** Operating system independent and browser-based control, programmable scenarios, individual documentation for up to 4 participants, parallel display and control of up to 6 manikins, parallel multiple access of various devices for visualization of the performance.

**Power supply:** AC adapter, Battery pack or PoE (optional, not included in packaging).

**Airway-Management:** Training of airway management: like laryngeal masks, laryngeal or tracheal tube. Bag-mask ventilation and use of the Guedel airway. Airways open only with correct hyperextension.

**Defibrillation:** Equipped with two electrodes (apex and sternum) that can be defibrillated with up to 360 joules. In addition to the use of manual, semi-automatic and automatic defibrillators, paddles can be used.

**Pacing:** Possibility for transcutaneous pacing.

**ECG Simulation:** Conform with the ERC 2015 Guidelines, ECG is displayed physiologically correct and detected accordingly by an external defibrillator. 12-lead ECG display, ECG can be programmed manual.

**Manual feedback display:** Extendable, Ventilation volume, compression depth, hand position, stomach inflation

**Training of injection techniques:** i.v. (Arm) + i.o. (Leg). **Weight** fullbody: 13,3kg. Weight fullbody with transport-box: 25,. Length fullbody: 165 cm.

Ref.no. R30010

Details:







## Resusci Anne Advanced Skill Trainer

Wireless training model for MegaCode training. The model is designed for team training. Additionally to the BLS features it offers all classical Megacode features like defibrillation, ECG pacing, intubation, iv access and other advanced life support actions.

### System components:

- ✓ Female full body manikin
- ✓ Airway-management head, turnable
- ✓ IV-arm
- ✓ removeable soft foam leg
- ✓ Wireless control unit, SimPad controls vital signs (included)
- ✓ Operated on batteries or 220V power converter
- ✓ USB-port
- ✓ Including Laerdal PC SkillReporting System, for CPR evaluation at the PC (compatible with Windows)

### Systemzubehör:

- ✓ USB-cable for data transfer between Megacodetrainer and PC
- ✓ adapter for hard paddles
- ✓ transport case
- ✓ artificial blood
- ✓ lubricant
- ✓ tools
- ✓ manual

### Options and functions:

- ✓ MegaCode-trainer runs on power converter or batteries, allowing full mobility in all kind of changing training environments.
- ✓ Wireless control unit SimPad with color display for control of all functions via WIFI

### Airway management:

- ✓ Airway-management-head turns and has correct anatomy for advanced airway management.
- ✓ Resuscitation with bag/mask or airway devices (endotracheal tube, LMA (Laryngeal Mask Airway), Combitube®, Güdel, Wendel etc.)
- ✓ Physiological correct carotid pulse on both sides
- ✓ Lungs sounds can be auscultated

### Heart/circulatory:

- ✓ BLS training according to 2010 guidelines with evaluation by included SkillReporting Software (compatible with Windows)
- ✓ Thorax flexibility for cardiac compression and chest thump
- ✓ Multi vein IV-arm for puncture of peripheral arm- and hand veins; skin and vein system can be used several times and can be changed.
- ✓ Data base with multiple ECG rhythms
- ✓ EKG-monitoring with 4-leads at the thorax; standard ECG monitors / defibrillators can be used
- ✓ Defibrillation is possible with manual defibrillators or AEDs; normal mono- or biphasic defibrillators can be used
- ✓ Simulation of ECG rhythms and pulse are controlled via SimPad

**NEW:** Voice sounds with optional headset: speech transmission to manikin, speech transfer to built-in head speaker.

**NEW:** Monitoring of vital signs with optional patient monitor.

### Possible extensions:

- ✓ Optional BLS-head for basic resuscitation (mouth-to-mouth, mouth-to-nose) with sanitary system available
- ✓ Optional Resusci Anne trauma-module with different injuries of arms and legs available
- ✓ Optional trauma-limbs of other models can be combined
- ✓ Optional simulated patient monitor
- ✓ Optional headset

Complete package including on-site training: Ref.no. R20222

Details:



## Adult Crisis Manikin

The Adult CRiSis Manikin is a complete resuscitation system that presents challenges you may face in real-world situations, with five major features allowing practise of several simulation scenarios.

### Features:

- ✓ Airway Management
- ✓ Blood Pressure Arm
- ✓ CPR
- ✓ Defibrillation Chest
- ✓ IV Arm

Modular components allow you to create a manikin to suit your specifications. See additional options to create your perfect manikin for your specific needs.



Ref.no. R10153

Details:



## Interactive ECG Simulator

- ✓ Defibrillation shock can be delivered through manikin or simulator
- ✓ Practice operating your defibrillator/external pacer without a manikin. Connect defibrillator/external pacer to simulator using adapters
- ✓ Built-in circuitry allows you to defibrillate and pace directly into the simulator and observe ECG rhythms through the PADS connector
- ✓ Convert feature
- ✓ Select another rhythm to run immediately after defib discharge
- ✓ Pacing can be done on any manufacturer's defibrillator
- ✓ Battery saver feature powers-off simulator automatically when not in use.

For a detailed description, see page 229.

Ref.no. R10052-9

Details:



## Remote Control for Smartscope

Ref.no. R10002A

Details:



## Smartscope

Stethoscope for Auscultation Crisis Manikin. Remote control R10002A is required.

Ref.no. R10002

Details:





## IO Legs for CRISIS and CPARLENE manikins

Designed to attach easily to any Adult CRISIS, CPARLENE, "Airway Larry," or Adult Airway Management torsos or manikins. Use to enhance training of intraosseous infusion procedures using B.I.G. and EZ-IO devices or almost any other intraosseous infusion devices available and provides realistic resistance as the needle enters the bone. The leg is fluid capable, and a blood source is accessible through the injection site. Features palpable landmarks, replaceable bones and skin, and a pressurized system to allow aspiration of fluid. Included with the articulating legs with Intraosseous Infusion are 10 replaceable simulated bones, 4 replaceable skin pads, shorts, simulated blood, lubricating jelly, towels, I/O needle, and syringe with tubing.



Ref.no. R10153-4

Details:



Replacement skins set of 4

Ref.no. R10153-4A

Details:



Replacement bone set of 10

Ref.no. R10153-4B

Details:



iPad for evaluation of CPR

## CPR Metrix control box for CRISIS and CPARLENE manikins

This new product uses the electronics of the existing CPARLENE and Adult CRISIS manikins and converts the data for use in a modern iPad app. The Easy-to-use iPad control provides a comprehensive way to complement CPR training programs wirelessly. No more light indicators and printed out paper sheets, this control box displays the qualified output of the manikins into a modern style graphical interface. **Features:**

- ✓ Graphical interfaces and audio feedback are easy for students to use and follow
- ✓ Solid documentation lets you easily track each student's performance
- ✓ Debriefing tools help with documentation and support training
- ✓ Detailed reports can be saved in PDF format
- ✓ Use with the CPARLENE and Adult CRISIS manikins with electronics

CPR Metrix control box

Ref.no. R10150

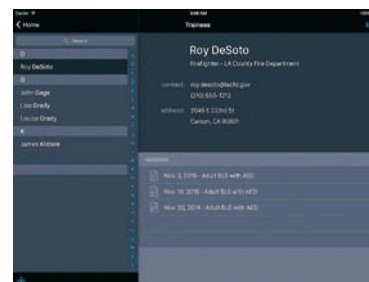
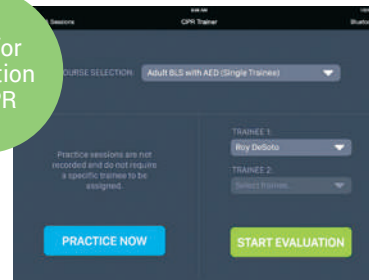
Details:



CPR Metrix control box and iPad

Ref.no. R10152

Details:





## Little Junior QCPR

The Little Junior QCPR manikin meets your need for a low-cost, lifelike child CPR trainer and is the perfect supplement to the Little Anne QCPR and Baby Anne QCPR manikin. The manikin represents a 5 year old child.

- ✓ Head tilt/chin lift and jaw thrust opens the airway
- ✓ Re-useable face skins
- ✓ Removable and reusable faces
- ✓ QCPR measurement and feedback technology, free Instructor-, Learner- and Horserace App.

### Replacement face parts, 6 pcs

Ref.no. R20280A

### Replacement airways, 25 pcs

Ref.no. R20280B

### Replacement airways, 100 pcs

Ref.no. R20280C

Ref.no. R20281

Details:



Little Junior QCPR, 4 pcs  
Ref.no. R20281-1



## Prestan CPR manikin child with monitor

As all Prestan Manikins this child manikin are equipped with a revolutionary new CPR rate monitor that allows for instant feedback to both instructor and student regarding the rate of chest compressions. The visual feedback from the CPR rate monitor gives students a real life feel of delivering 100 compressions per minute. In addition to the visual rate monitor, students will also hear a clicker sound as the chest is pushed to the appropriate depth allowing them to experience the true force needed to deliver real life chest compressions. Clamshell torso design that accommodates an easy-to-insert face shield lung bag. Comes with carry bag and 10 face shield lungs.

Consumables:

### Hygienic Airways, 50pcs

Ref.no. R19150A

### Hygienic Face shields, 50pcs

Ref.no. R19150B

Ref.no. R19150

Details:



## CPR Torso Child

This economical torso is made of soft, realistic vinyl plastic over polyurethane foam. It represents a 7 year old child. Features include.

- ✓ Realistic head tilt and chin lift for opening airway
- ✓ Anatomical landmarks such as sternum, ribcage and sub-sternal notch
- ✓ Airway can be easily manipulated to simulate airway obstruction or choking situations
- ✓ Supplied with 3 disposable lung/airway systems, 3 mouth/nose pieces and nylon carrying bag with kneeling pads

## CPR Torso Child with Light Controller

Model as R10054-1, but with light indicator. Shows correct hand position, compression depth and respiration volume with control lights.

### Replacement mouth / nose parts, 10 pcs

Ref.no. R10054-1A

### Replacement airways, 24 pcs

Ref.no. R10054-1B

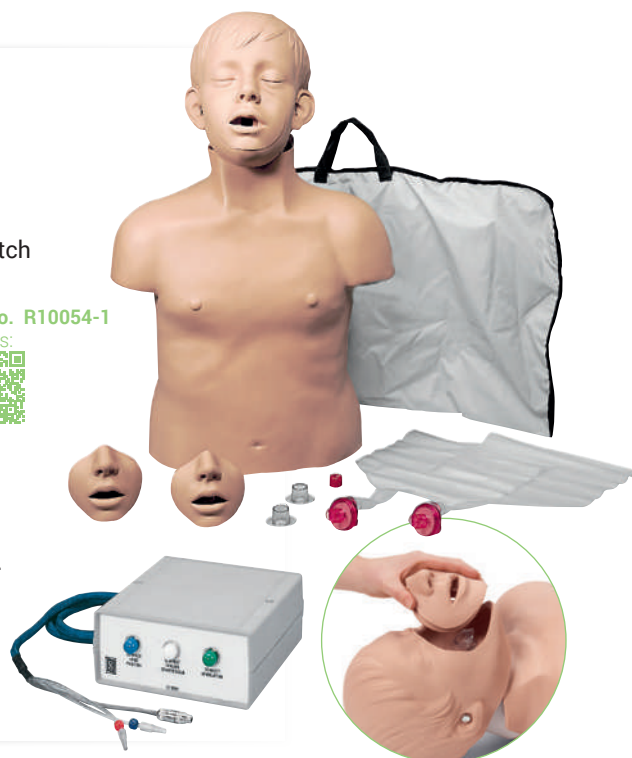
Ref.no. R10054-2

Details:



Ref.no. R10054-1

Details:





### 3-year-old CPR Manikin

Economically priced, this manikin of a three year old child has a lightweight, rugged, foam filled body with no internal parts to break. Features include:

- ✓ Lifelike anatomical landmarks such as nipples, xiphoid process and sub-sternal notch
- ✓ Easy to replace mouth/nose pieces
- ✓ Disposable airways with uni-directional valves
- ✓ Soft carrying bag

Replacement mouth / nose parts, 10 pcs  
 Ref.no. R10055A  
 Replacement airways, 24 pcs  
 Ref.no. R10055B

Ref.no. R10055  
 Details:  




### Resusci Junior Q CPR

The Resusci Junior manikin offers realistic, high-quality child CPR education.

- ✓ Realistic anatomical body and landmarks provide the essential features necessary to learn realistic child handling and quality child CPR skills
- ✓ Life-like size and weight of a 5-year-old child simulates the problems encountered in a real-life rescue
- ✓ Bilateral carotid 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
- ✓ 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
- ✓ Realistic resistance for chest compressions allows the students to experience the amount of pressure needed to perform proper chest compressions in a real-life situation
- ✓ Optional water rescue kit provides students with the chance to experience lifelike water rescue techniques required by the age group depicted by the manikin
- ✓ Including transport case, training mat. 4 face skins, 3 airways, 18 disinfection wipes and instruction manual.

The brand new version of this Child CPR model with feedback via Skillguide or free mobile App offers new and improved features:

- ✓ Improved compression mechanism - humanlike and stable
- ✓ Guidelines 2015 compliant - compression depth 50 – 60 mm
- ✓ Realistic ventilation for bag valve mask and mouth to mouth - chest rise, neck tilt and optional audible feedback
- ✓ New electronics - Bluetooth Low Energy (BTLE) and sensors
- ✓ Battery operated, can also be used with mains power
- ✓ Training mat - doubles as carrying bag

Ref.no. R20266  
 Details:  


Skillguide  
 Ref.no. R20180  
 Replacement face parts, 6 pcs  
 Ref.no. R20266A  
 Replacement airways, 12 pcs  
 Ref.no. R20266B



## CPR Infant manikin

Economically priced, this manikin of a Newborn has a lightweight, rugged, foam filled body with no internal parts to break. Features include:

- ✓ Lifelike anatomical landmarks such as nipples, xiphoid process and substernal notch
- ✓ Easy to replace mouth/nose pieces
- ✓ Soft carrying bag

Ref.no. R10057

Details:



**Replacement mouth / nose parts, 10 pcs**

Ref.no. R10057A

**Replacement airways, 24 pcs**

Ref.no. R10057B



## 6 to 9 month-old CPR Manikin

Economically priced, this manikin of a 6 to 9 month old child has a lightweight, rugged, foam filled body with no internal parts to break. Features include:

- ✓ Lifelike anatomical landmarks such as nipples, xiphoid process and substernal notch
- ✓ Easy to replace mouth/nose pieces
- ✓ Disposable airways with uni-directional valves
- ✓ Soft carrying bag

**Replacement mouth / nose parts, 10 pcs**

Ref.no. R10056A

**Replacement airways, 24 pcs**

Ref.no. R10056B

Ref.no. R10056

Details:



## Little Baby QCPR

Little Baby QCPR is a realistic and inexpensive training model for pediatrics. Through playful learning (QCPR Race mode) and objective feedback via APP, Little Baby QCPR improves the quality and efficiency of your training and the commitment of the students. Set up the training with just one click (one-click connection). The QCPR app guides you through all the necessary steps to quickly prepare your session in the training room.

Ref.no. R20305

Details:



**4 pcs**

Ref.no. R20305-1



## CPR Baby with light controller

This life size infant allows training of correct CPR techniques. Ventilation and compression can be practiced like in a real baby. If ventilation is done correctly, the chest will rise. The correct compression depth is indicated by a click sound, the correct compression rhythm is controlled by a built in light indicator. The airways are designed as disposable items, avoiding the need for disinfection. For group education an additional individual face shield with filter can be attached to protect the students from infection. The model comes with torso, carrying bag and 10 sanitary airway/face shields.

**Hygienic airways, 50 pcs**

Ref.no. R19200A

**Hygienic Face shields, 50 pcs**

Ref.no. R19200B

Ref.no. R19200

Details:







## Resusci Baby Q CPR

Resusci Baby Q CPR is an infant CPR training manikin which provides opportunity to focus on student competency. Measurement, assessment and quality feedback are key factors in developing competency. Resusci Baby Q CPR manikin provides thorough and realistic CPR training. With the use of a feedback device enhanced measurement of compressions and ventilations allows for comprehensive and accurate guidance. Detailed feedback and debriefing functionalities enable students to learn and improve CPR performance better than ever before.

### Product features:

- ✓ Realistic anatomy including head tilt, chin lift, compression depth, compression force and chest rise
- ✓ Sensor indicate correct hand placement
- ✓ Ventilation system provides realistic chest rise with BVM (Bag Valve Mask) and MTM (Mouth to Mouth) and measures volume and rate to help train correct ventilation technique.
- ✓ Enhanced measurement and feedback capabilities.
- ✓ Wired connectivity with SkillGuide or SimPad SkillReporter (not included, please order separately)
- ✓ Guidelines compliant

**Skill Guide** see page 227  
Ref.no. R20180

**SimPad Plus SkillReporter** see page 227  
Ref.no. R20191

Ref.no. R20295



## Ambu Baby

The Ambu Baby corresponds to a real baby up to one year old. During development, particular emphasis was placed on the lifelike anatomical conditions that are important for the practice of modern resuscitation techniques. Thus, for example, the lifelike anatomy enables the correct finding of the pressure point. As well the Ambu Baby convinces with palpable brachial pulse, through a natural, audible and perceptible exhalation through the mouth and nose as well as by free airways only with correct head position.



Ref.no. R30090



## Little Family Pack

Little Family Pack is a convenient package of age-specific CPR training manikins with a wheeled carry case for ease of transport and storage. Now all three manikins come with Q CPR feedback technology, to help instructors improve CPR training quality, efficiency, and learner engagement.

Ref.no. R20311



## Prestan Family Pack

This set contains a whole family of CPR dolls. Two adults (R19100), one child (R19150) and two babies (R19200) in an attractive set, all with CPR monitor. Prestan manikins comply with latest AHA, ARC and ERC guidelines.

Ref.no. R19650

Details:



## Prestan Collection

All of the wonderful Prestan CPR manikins in one attractive set. Adult, child and baby with CPR monitor. The description of the single products R19100, R19200 and R19150 can be found on pages 223, 234 and 236. Prestan manikins comply with latest AHA, ARC and ERC guidelines.

Ref.no. R19600

Details:



## Ambu BLS-Familie Wireless

The Ambu BLS-Family Wireless consists of Ambu® Man Wireless, the Ambu® Junior and the Ambu® Baby. Your complete package for BLS training requirements.

With adult torso

Ref.no. R30030

Details:



With adult full-body

Ref.no. R30035

Details:







### CRiSis-Child-Emergency manikin

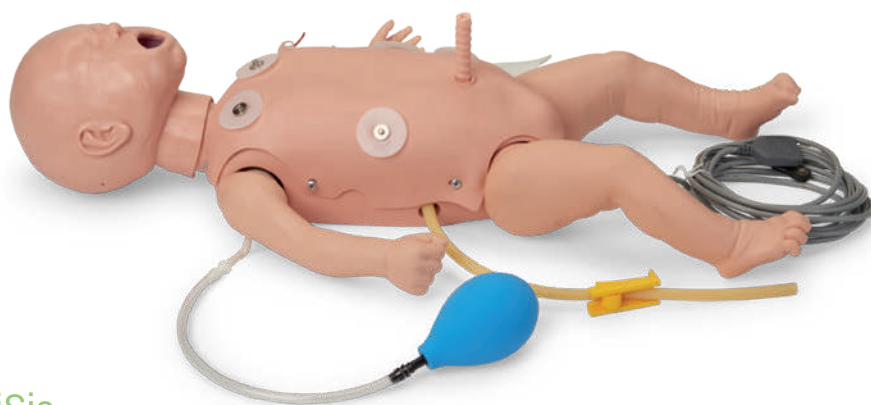
A dramatic, state-of-the-art manikin designed for teaching individuals or groups life-saving techniques for children. The Child CRiSis Manikin provides complete PALS training capabilities in one manikin. Simulating an 5-year-old child, it combines all of the skill stations on one manikin, making training more realistic and giving students an appreciation for the smaller scale of the patient. This system features the Child Airway Management Trainer, IV Arm, Blood Pressure Arm, Defibrillation Chest Skin, Intraosseous Infusion/Femoral Access Leg, as well as a completely functional CPR manikin. The Child CRiSis Manikin is ideal for ACLS, nursing, paramedic, and EMT training at every level. The Child CRiSis Manikin is 119 cm tall and weighs 9 kg. Patient arrhythmia simulator not included. A storage case for the Child CRiSis manikin is available separately.

Ref.no. R10154-1  
 Details:

### Deluxe CRiSis-Child-Emergency manikin with EKG-Simulator

The Deluxe Child CRiSis Manikin features the same quality components as the Child CRiSis™ Manikin (Ref.no. R10154-1) with the addition of a hand-held Arrhythmia Patient Simulator. The Arrhythmia/Pacing Simulator recreates 17 pediatric rhythms and 17 adult heart rhythms. With an external pacer you can simulate electronic capture. You can also simulate cardioversion with manual, semiautomatic, or automatic defibrillation.

Ref.no. R10154-2  
 Details:



### CRiSis-Infant Emergency manikin

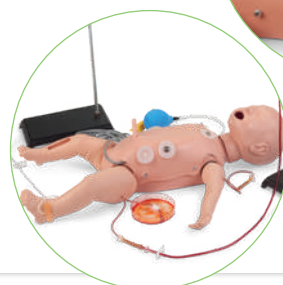
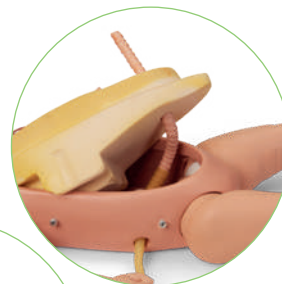
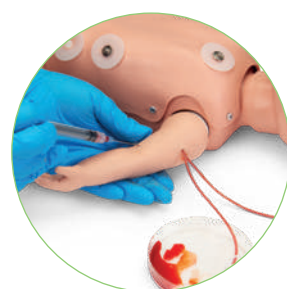
Practice: CPR. Airway management. I.v. procedures on both arm & leg. Intraosseous Infusion. Umbilical cannulation. Weight: 10 kg.

Ref.no. R10155-1  
 Details:

### Deluxe CRiSis-Infant Emergency manikin

Offers all the features of the CRiSis infant doll R10155-1, plus the portable interactive ECG simulator.

Ref.no. R10155-2  
 Details:





## Newborn Anne

The Newborn Anne is a manikin designed for skills training in neonatal resuscitation. With anatomical accuracy and a product feature set designed to focus on the critical resuscitation skills required in the first ten minutes of a newborn's life, Newborn Anne meets the key components of the NRP course curriculum.

### Product benefits:

- ✓ Educationally effective allowing specific neonatal resuscitation skills to be taught individually or in combination with other skills.
- ✓ Realistic anatomical landmarks and durable design simulate a full-term female newborn.
- ✓ Lightweight and portable design allows Newborn Anne to be highly mobile for use in multiple clinical settings.
- ✓ Newborn Anne is easy to use and was designed to be integrated into all neonatal clinical training curriculums.
- ✓ Built from the SimNewB platform developed in conjunction with the American Academy of Pediatrics (AAP), Newborn Anne was specifically designed to be clinically relevant with manikin features to meet key NRP course skills.



### Product features:

- ✓ Newborn Anne accurately represents a full term (40 week), 50th percentile newborn female, measuring 21 inches and weighing 7 lbs.
- ✓ The airway is designed to allow for training in all aspects of newborn airway management, including the use of positive pressure airway devices, and the placement of ET tubes and LMAs.
- ✓ The torso includes functionality to relieve a tension pneumothorax via needle decompression.
- ✓ The patent umbilicus has a manually generated pulse and can be assessed, cut and can be catheterized for IV access.
- ✓ Newborn Anne features IO access in both legs.

Ref.no. R20320

Details:

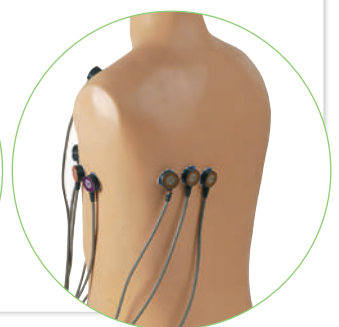


## 15-Lead ECG Placement Trainer

Teaches up to 15-lead ECG electrode placement anatomically and provides visual feedback on the accuracy of electrode placement. Students will learn the placement of the electrodes on the adult trainer using anatomical landmarks such as intercostal spaces, midclavicular line, anterior axillary line, midaxillary line, and scapula. Features connection sites for four limb leads and V1 through V9, with the ability to attach right- or left-sided electrodes. The trainer does not provide ECG output signals, but simulations of rhythms and hands-free defibrillation can be performed by adding any ECG arrhythmia simulator directly to your ECG monitor. Includes adult torso, 15-lead electronics box, power adapter, set of 13 leads, 50 electrodes, two "C" batteries, hard carry case, and instruction manual.

Ref.no. R10195

Details:





## 12-Lead Arrhythmia Simulator

Pace and defibrillate directly into this interactive 12-lead ECG simulator through your hands-free defibrillation cable.

- ✓ Connects directly to monitor; does not work with manikin
- ✓ Simulate electrical capture with your external pacer. Press simulator capture key to select one of four preset pacing capture levels: 70, 80, 90, or 100mA. When pacer current is greater than selected capture level, paced beats appear on your monitor. Waveforms for pacing include: Sinus Brady (two), 1st degree A-V block, 2nd degree type I A-V block, 2nd degree type II A-V block, 2nd degree type II A-V block with PVCs, and 3rd degree A-V block.
- ✓ Simulate cardioversion with your manual, semi-automatic, or automatic defibrillator. Activate "convert" feature to select - before defib discharge - another rhythm to run immediately after defib discharge. Waveforms for defibrillator training include: V. Fib., V. Tach (high rate), V. Tach (low rate), Torsade, A. Fib, A. Flutter, PSVT, Sinus Tach, Sinus Rhythm, Sinus Rhythm with PVCs, Asystole, and NSR.
- ✓ Generate realistic 12-lead ECG rhythms. Connect your ECG cable to simulator's 10 ECG snaps. Independent chest lead and limb lead ECG signals create realistic 12-lead ECGs for each rhythm. Generate ST segment and T wave abnormalities including: Anterior MI,



Inferior MI, Antero-Septal ST Elevation, Anterior ST Depression, Lateral ST Elevation, and Inferior ST Elevation.

- ✓ LED indicators: pacer pulse detection, defib discharge detection, and low battery.

**Physio Medtronic and Marquette Quick Combo**  
Ref.no. R13001-2

**Heart Start/Philips with late VF Waveform**  
Ref.no. R13001-3

**Philips**  
Ref.no. R13001-4

**MRL, Welch Allyn R2**  
Ref.no. R13001-5

**Zoll**  
Ref.no. R13001-1



## 12-Lead Arrhythmia Simulator with Manikin Overlay

Use on any large-sized manikin or simulator to change it into a 12-lead trainer. Pace and defibrillate directly on the overlay system connected to the interactive 12-lead ECG simulator, included with the overlay. You may purchase optional defibrillation training cables that allow you to have hand-free defibrillation simulation, with up to 360 joules, as well as electrical capture with your external pacer. The simulator capture key is used to select one of four preset pacing capture levels: 70, 80, 90 or 100mA. When the pacer current is greater than the selected capture level, paced beats will appear on your monitor. Waveforms for pacing include: Sinus Brady (two), 1st degree A-V block, 2nd degree type I A-V block, 2nd degree type II A-V block, 2nd degree type II A-V block

with PVCs, and 3rd degree A-V block. Simulate cardioversion with your manual, semiautomatic, or automatic defibrillator. Waveforms for defibrillator training include: V. Fib, V. Tach (high rate), V. Tach (low rate), Torsade, A. Fib, A. Flutter, zPSVT, Sinus Tach, Sinus rhythm, Sinus rhythm with PVCs, and Asystole. Generate ST segment and T wave of abnormalities, including: Anterior MI, Inferior MI, Antero-Septal ST elevation, Anterior ST depression, Lateral ST elevation, and Inferior ST elevation. LEDs indicate: pacer pulse detection, defib discharge detection, and low battery.

**Medium size skin, Zoll**  
Ref.no. R13002-1

**Large size skin, Zoll**  
Ref.no. R13002-2

**Medium size skin, Physio**  
Ref.no. R13002-3

**Large size skin, Physio**  
Ref.no. R13002-4

**Medium size skin, Marquette**  
Ref.no. R13002-5

**Large size skin, Marquette**  
Ref.no. R13002-6

**Medium size skin, Heartstream**  
Ref.no. R13002-7

**Large size skin, Heartstream**  
Ref.no. R13002-8

**Medium size skin, Heartstart**  
Ref.no. R13002-9

**Large size skin, Heartstart**  
Ref.no. R13002-10

**Medium size skin, R2**  
Ref.no. R13002-11

**Large size skin, R2**  
Ref.no. R13002-12

## Professional Video Debriefing System

Full control with the AVpro debriefing system.

### Audio-video system:

Assess the situation, give precise instructions, communicate correctly with one another: team communication and medical processes need to be learned. You have to be trained to make the right decisions in real life.

### Efficient support

In order to be able to efficiently support teams in real-looking simulations and skill training, we offer the AVpro, a complete debriefing audio-video system (AVS).

With this debriefing system it is possible to analyze the training scenario from all angles with up to three cameras. The patient monitor simulator (please inquire about compatible products) can also be integrated into the audio-video system.

The trainer can incorporate instructions or comments into the scenario at any time via the stationary microphone (Voice-of-God). The included marker keyboard makes handling easier for the trainer during the scenario by intuitively identifying special situations.

The high-quality AV software makes it possible to switch back and forth between the cameras and to record all camera signals as well as sound for later debriefing.

Ref.no. AVPRO

Details:



### Cameras plus patient monitor:

The special recording software enables three cameras plus a patient monitor to be recorded. This makes it possible to easily integrate the patient monitor (please inquire about compatible products) into the AVS in a simulation scenario.

Colored markers enable the instructor to mark important situations in the simulation at any time, in order to be able to access the crucial analyzes even faster in the debriefing.

In order to make the subsequent debriefing even more attractive for the trainer, the video recording can be controlled easily using an iPad. The instructor can access all three camera settings via a projector and make the debriefing an interactive experience.

Includes Setup, Online User Training and 3 years service and support.

Includes Setup, Online User Training and 3 years service and support.







## Mobile Video Debriefing System

The Mobile Video Debriefing System allows the instructor to support the trainees efficiently during the simulation and to analyse the scenario after the training. The system allows simple recording of the scenario; with the moveable camera you keep everything under control! Take notes with your supplied Apple pencil directly onto the iPad and use them for the debriefing afterwards. The Debriefing System is a pioneer in mobility and flexibility. Use the Debriefing System in your classroom, in the hospital or outside. Using the Students View you can playback your recordings and address to your notes to improve the learning results of the attendees.

Ref.no. AVGO  
Details:



### The set includes the following components:

- ✓ Debriefing Software
- ✓ Apple iPad 12,9"
- ✓ W-Lan Router
- ✓ Camera (360°)
- ✓ Lan Cable (5 meters)
- ✓ Boundary microphone incl. cable
- ✓ Bag for all components
- ✓ Apple Pencil



## Rescue manikin – Adults

This manikin allows training of the extrication of a person from a pole top situation, confined spaces, collapsed buildings, smoky rooms and also ladder carry-down protocols. A perfect aid in situations too hazardous or uncomfortable for human volunteers and especially suitable for military, fire departments, police departments, safety teams and emergency personnel. The manikin features articulated joints and realistic weight distribution. It is made of durable plastic with strong plastic-coated cables. This manikin is not fire resistant and is not for water rescue.



### Different versions:

Size: 183 cm  
Weight: 113 kg  
Ref.no. R10158



Size: 183 cm  
Weight: 107 kg  
Ref.no. R10159



Size: 183 cm  
Weight: 91 kg  
Ref.no. R10160



Size: 183 cm  
Weight: 79 kg  
Ref.no. R10161



Size: 183 cm  
Weight: 75 kg  
Ref.no. R10050



Size: 183 cm  
Weight: 66 kg  
Ref.no. R10049



Size: 183 cm  
Weight: 57 kg  
Ref.no. R10162



Size: 183 cm  
Weight: 48 kg  
Ref.no. R10163



Size: 183 cm  
Weight: 25 kg  
Ref.no. R10164



Size: 165 cm  
Weight: 75 kg  
Ref.no. R10165



Size: 165 cm  
Weight: 66 kg  
Ref.no. R10166



Size: 165 cm  
Weight: 48 kg  
Ref.no. R10048



Size: 165 cm  
Weight: 25 kg  
Ref.no. R10047



**OUR TIP.**  
Carry Bag for full body rescue manikins  
Ref.no. P99

## Rescue child manikin *Jennifer*

This manikin is the size of a 7 to 12-year old adolescent. Jennifer is articulated at all major joints with rugged construction engineered for years of durability and usefulness. Especially helpful for preparing personnel for child rescue where highly charged emotional factors come into play. Sweatpants and T-shirt included.



Size: 122 cm  
Weight: 7,3 kg  
Ref.no. R10335



Size: 122 cm  
Weight: 17,2 kg  
Ref.no. R10340





## Randy 9000

This manikin is designed to be customized by the user for optimal training use. The manikin is made from rugged polyethylene parts (the same material out of which backboards are molded) that allow for the addition of varying amounts of weight to each of the pieces. You may add water, sand, or any other substance as long as you can empty the substance out of the parts. The empty manikin is easily moved and stored when training is completed. This custom-molded construction ensures constant size from one manikin to the next and allows the utilization of Randy 9000 in every environment imaginable. Each sealed piece is assembled with stainless steel hardware. The range of motion of the joints, including bending at the waist, mimics real life. Randy 9000 is perfect for RIT or Combat Challenge as well as ship-board, heavyweight, horizontal rescues or lightweight packaging exercises like spinal immobilization. Randy 9000 may be used in all weather conditions and the joint design protects rescuers' fingers. Each manikin component is easy to replace.

Weight: 17 kg  
 Ref.no. R10168  
 Details:  




## Handcuffing Police Training Manikin

Created for use in a challenge for police officers, this manikin utilizes the large body style and softer arm parts so that handcuffing behind the back is possible. Patterned after the large body manikin, this unit also weights 75 kg. Sweat pants are included.

Ref.no. R12106  
 Details:  




## Flexible Rescue Randy

This regular-sized Rescue Randy unit has been developed especially for the aerospace industry and wing tank fuel cell rescue training, but it can be utilized in any conned space rescue. It exceeds the exibility of the Regular Rescue Randy products because the waist flexes and the head twists to allow positioning of the manikin under dashboards, in tight spots, and under things where the regular Randy will not go. Size: 165 cm, Weight: 25 kg.

Ref.no. R12105  
 Details:  


# WATER RESCUE MANIKINS

These adult and adolescent models are made of durable vinyl plastic with rust-resistant stainless steel skeletons, articulated joints, and optional CPR capabilities. When filled with water, manikin will submerge to the neck. Add additional 3 to 5 kg of weight to sink (weights not supplied, use diving weights or bricks).



**Adult water rescue manikin.**  
 Size: 165 x 56 x 23 cm  
 Weight: 20 kg

Ref.no. R10092

Details:



**Adult CPR water rescue manikin.** Includes 5 mouth-nosepieces, 5 airway systems, and shorts. Size: 165 x 56 x 23 cm. Weight: 21 kg

Ref.no. R10092-1

Details:



**Adolescent Water Rescue Manikin.**  
 Size: 125 x 41 x 23 cm. Weight: 9 kg

Ref.no. R12107

Details:



**Adolescent CPR water rescue manikin.** Includes 5 mouth-nosepieces, 5 airway systems, and shorts. Size: 125 x 41 x 23 cm. Weight: 10 kg

Ref.no. R12107-1

Details:



Used by Red Cross, coast guard, police department, lifeguard trainers, and emergency personnel. These manikins are excellent top and bottom water rescue devices, for adding the shock of realism to an otherwise ordinary practice procedure. When the manikins are filled with water, they will sink to the bottom. These manikins are not offered with CPR options.



**Newborn.**  
 Size: 66 x 20 x 20 cm, water filled weight 3 kg

Ref.no. R10320

Details:



**6 to 9-month-Old.**  
 Size: 66 x 20 x 20 cm, water filled weight 5,5 kg

Ref.no. R10325

Details:



**3-year-old child.**  
 Size: 86 x 28 x 18 cm, water filled weight 9 kg

Ref.no. R10330

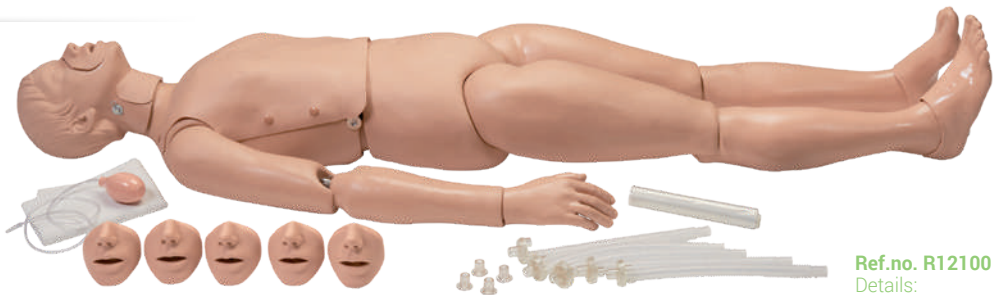
Details:





## Full-Body CPR/ Trauma Manikin

This 165 cm tall, full body and foam-filled lightweight manikin has joint mobility for easy positioning in all types of environments. Its standard features include a carotid pulse driven with a squeeze bulb, our patented ball valve airway system, removable face pieces for ease in controlling crosscontamination, and anatomical landmarks for determining proper hand position for



Ref.no. R12100



compressions. Five lung systems and five face pieces are included. The options available include moulage kits, a transport rescue head (to preserve the CPR head during rugged rescue training) and an optional lower IV arm. Size: 165 cm, Weight: 23 kg.

## Full body CPR rescue doll with light indicator

Model as R12100, but with light indicator showing adequate hand position, ventilation volume and compression depth. Size: 165 cm, Weight: 23 kg.



Ref.no. R12101



### Replacement face pieces.

Set of 10 pcs  
Ref.no. R12100A

### Replacement airways and lungs.

Set of 10 pcs  
Ref.no. R12100B

### Replacement lungs only.

Set of 20 pcs  
Ref.no. R12100C

### Replacement lower arm

or i.v. training  
Ref.no. R12103

### Replacement rescue head.

Head to replace CPR head during rescue training.  
Ref.no. R12102



## Manikin Casualty Simulation Kit

Can be used with any rescue manikin, rescue CPR manikin or nursing doll. Application of these realistic bleeding moulages to a full-body manikin facilitates quick identification, diagnosis, and dressing of wounds by trainees. Kit includes compound fractures, contusions, lacerations, evisceration, sucking chest wound, impalement, crushed foot, jaw wound, and projectile entry and exit of arm. These bleeding wounds strap on and are complete with pump assembly. Simulated blood is included. Non-bleeding strap-on wounds include 2nd and 3rd degree burns of the chest, back, forearm, and face. Manikins sold separately.

Ref.no. R10046





**BEST SELLER**

## Casualty simulation-basic

The most economical way to get started in simulated injuries. Re-useable wounds and refillable accessories let you practice bandaging and splinting techniques repeatedly. The kit is supplied in a storage case and includes: **Bleeding wound:** (complete with reservoir bags with pump assembly): 1 compound fracture tibia. **Non-bleeding wounds:** 12 assorted stick-on lacerations and open fracture wounds. **Make-up accessories:** simulated blood, Simulation wax, glass simulation and much more.

Ref.no. R10042  
Details:



## Casualty simulation-multi

This kit gives you more complex wounds for testing higher levels of skill in bandaging and patient care while keeping initial expenditures low. The kit is supplied in a storage case and includes bleeding wounds: (complete with reservoir bags with pump assembly): 1 open amputation, 1 compound fracture of humerus, 1 compound fracture of tibia, 1 sucking wound of chest, 1 gunshot wound of palm. **Non-bleeding wounds:** 24 assorted stick-on lacerations and open fracture wounds. **Make-up accessories:** 3x blood simulation, 4 grease paints, glass simulation and much more.

Ref.no. R10043  
Details:



## Casualty simulation-military

This kit is especially suitable for use in the creation a disaster scenario where application of makeup on multiple casualties creates the widest range of wounds. This kit contains specialty wounds associated with gunshots, like perforations, major avulsions and complex jaw wounds and also a large supply of makeup components.

The kit is supplied in a storage case and includes: **Bleeding wounds** (complete with reservoir bags with pump assembly): 2 compound fractures of humerus, 2 compound fractures of tibia. **Non-bleeding wounds:** 60 assorted stick-on lacerations and open fracture wounds. **Make-up accessories:** 3x blood simulation, 2x coagulant blood, glass simulation, latex for scar simulation, modelling past, make up lines, grease paint and much more.

Ref.no. R10045  
Details:



## Deluxe casualty simulation set

This Set contains a wide range of wounds, including 7 bleeding strap-on wounds and 15 types of moulage stick-on wounds. The full line of accessories allows you to create 70 individual wounds, plus use your expertise to create realism in your evolutions. Many wounds included, e.g. eyeball, foreign body protrusion, eviscerated intestines, lacerations, fractures, sepsis wounds, crushed foot, burns, jaw wound, projectile entry. **Make-up accessories** like simulation wax, colours, spatulas, skin adhesive, artificial blood and much more included. Comes with carry case and instructions for use (English).

Ref.no. R10315  
Details:







### EMT casualty simulation kit

This complex EMT (Emergency Medical Training) kit uses components applied to human and manikin patients to get the widest variety of training situations possible. Wounds strapped on, stuck on, created from wax and made to bleed challenge both the volunteer and the professional in areas of burns, lacerations, fractures of arms and legs and amputations; a good kit to simulate community disasters like bus accidents, or building explosions. The kit is supplied in a storage case and includes: **Bleeding wounds** (complete with reservoir bags with pump assembly): 1 jaw wound, 1 abdominal wound with protruding intestines, 1 sucking wound of chest, 2 compound fractures of humerus, 2 compound fractures of femur, 2 compound fractures of tibia, 1 laceration of the forehead, 1 open amputation, 2 gunshot wound of palm. **Non-bleeding wounds:** 36 assorted stick-on lacerations and open fracture wounds, 1 phosphorous burn of the hand, 1 face in shock, 2nd, & 3rd degree burn of the face, 2nd, & 3rd degree burn of the chest, 2nd, & 3rd degree burn of the back, 2nd, & 3rd degree burn of the hand, 2nd, & 3rd degree burn of the forearm. **Make-up accessories:** 5x blood simulation, 3x coagulant blood, glass simulation, grease paints, modelling past, simulation wax and much more.

Ref.no. R10044  
 Details:

### Xtreme trauma moulage kit

Represents wounds that result from explosions and chemical disasters. These simulated trauma wounds will assist in training exercises for military and government responders and anyone providing treatment to victims injured in disasters and war. Comes in case. **1 moulage each:**

- ✓ Bleeding exposed denture avulsion
- ✓ Bleeding major muscle laceration
- ✓ Bleeding open ankle dislocation
- ✓ Bleeding open humerus fracture
- ✓ Bleeding open rib fracture
- ✓ Bleeding open skull fracture
- ✓ Bleeding open wrist fracture
- ✓ Bleeding skin laceration
- ✓ Burned face
- ✓ Dorsal hand 4th degree chemical burn
- ✓ Half-face chemical burn
- ✓ Right hand 4th degree chemical burn



**Makeup Accessories:** Broken glass. Casualty simulation wax. Coagulant blood. Grease paint colors: white, blue, brown, and red (1 ea.). Methyl cellulose for blood thickening. Simulated blood powder (3). Spirit gum, 1 oz. with brush (3). Tongue depressor/spatula combo

Ref.no. R11016  
 Details:

### Xtreme 2 trauma moulage kit

Created at the request of instructors, this kit is the perfect complement to the Xtreme Trauma Moulage Kit R11016. Comes in case. **1 moulage each:**

- ✓ Bleeding exit gunshot palm
- ✓ Burned face, 3rd degree
- ✓ Bleeding eviscerated intestine
- ✓ Bleeding forearm avulsion
- ✓ Bleeding impaled stick
- ✓ Bleeding exit wound
- ✓ Bleeding laceration, 12 cm
- ✓ Electrical burn palm
- ✓ Intermediate shotgun entry
- ✓ 45-caliber close entry
- ✓ Bleeding open fracture, tibia
- ✓ Bleeding open fracture, femur
- ✓ Bleeding open fracture, clavicle



**Make up accessories:** Skin Tite adhesive. Red grease paint, 2 oz. White grease paint, 2 oz. Brown grease paint, 2 oz. Blue grease paint, 2 oz. Simulation wax, 8 oz. Simulated blood powder. Coagulant blood, 4 oz. Blood thickener, methyl. cellulose. Broken glass. Spirit gum, 1 oz. with brush. Tape remover pads (12). Tongue depressors (3). Spatulas (3). Carry case

Ref.no. R11017  
 Details:



## Xtreme trauma deluxe moulage kit

The Deluxe Xtreme Trauma Moulage Kit includes all of the wounds from the Xtreme Trauma Moulage Kit and Xtreme Trauma Moulage Kit 2, and has sufficient makeup and accessories to create even more realism.

Ref.no. R11018

Details:



## Simulated burns

These four simulated stages of burns are developed to assist with simulating burn injury types, patient assessment and care. Use assessment findings to identify the burn severity and type to prepare a treatment plan and to measure performance of burn management. The burns are pliable and can easily be cut into any shape to fit any area on a human patient or patient simulator/trainer. Pieces are reusable and come ready to wear. Theatrical makeup and simulated blood may be applied to add color for realism. Includes four rolls: 1st degree, 2nd degree (superficial), 2nd degree (deep), and 3rd degree.

Ref.no. R11015

Details:



## Wound Packing Trainer

This affordable and realistic Wound Packing Simulator is ideal for emergency training and the simulation patient program. Shown is a realistic bullet wound with bleeding function caused by a large gun caliber, ideal for training the Wound Packing procedure. The Simulator is made of a high quality and very durable silicone that simulates human skin and tissue. Common hemostatic wound pads can be used. We recommend to use our washable, non-staining artificial blood (Ref.no. 7024) with the simulator. The trainer is fast and easy to clean after use. The package contains: Wound Packing Simulator (Ref.no.

7770), 250 ml artificial blood (Ref.no. 7024), Bottle

for fake blood (Ref.no. 7770-1),

Tube 80 cm (Ref.no. 7770-2),

Plastic tray (Ref.no. 7770-3).

Ref.no. 7770

Details:

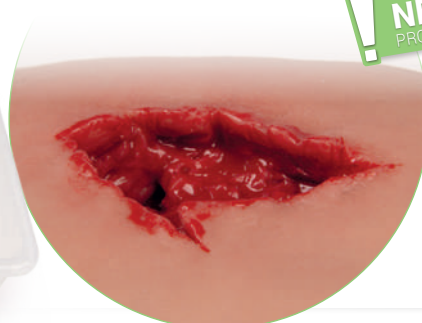
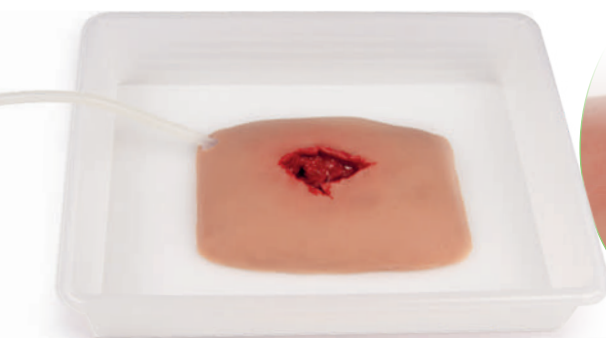


## Woundmoulage Wound Packing

This moulage shows a large wound with severe bleeding for training of wound packing. With line for bleeding function. The moulage adheres to skin or a manikin. For longer training or improved adherence an optional glue is available. Supplied with storage box.

Ref.no. NW110

Details:







## Casualty Care Rescue *Randy*

The Casualty Care Rescue Randy was designed using „Strategic Operations Hyper-Realistic® technology“ and is perfect for service members to be trained in TCCC (Tactical Combat Casualty Care) and TECC (Tactical Emergency Casualty Care).

**Its training opportunities include the treatment of the 3 most preventable causes of death:**

- ✓ Massive Bleeding (Femoral and Brachial extremity wounds, Inguinal and Carotid junctional wounds - Treatment interventions Extremity and junctional tourniquets, wound packing and pressure bandage)
- ✓ Tension Pneumothorax (Needle decompression 4th/5th ICS axillary and 2nd/3rd ICS mid-clavicular) as well as penetrating chest wound (Chest Seal)
- ✓ Airway obstruction (Nasopharyngeal, Oropharyngeal, Cricothyrotomy)

**It offers the following features:**

- ✓ Rugged full body manikin with articulated joints
- ✓ Weight-distributed to mimic the human anatomy
- ✓ Holds 3-4 liters of blood
- ✓ Pumping system with regulator simulating human blood flow pressure (2-3) psi
- ✓ Manual foot operated blood pumping system allows 3 wounds to bleed simultaneously
- ✓ Optional electric deluxe pumping system allowing 4 wounds to bleed simultaneously

**Package Contents:** blood powder (makes 5 gallons) 3 repairable neck skins. 10 repairable tracheas. 1 repair set. Male manikin. Size: 165 x 63,5 x 30,5 cm, weight: appr. 55 kg.

Ref.no. R12200



# WOUND MOULAGE



This new series of extremely realistic moulages show typical injuries. The injuries are already painted. For an even more realistic look artificial blood can be added. Instead of time consuming Make-up the moulages will be immediately ready for use. Use your valuable time for training, not for Make-Up.

All wounds are delivered in transport boxes. Manufactured in Germany.



The wounds adhere independently ✓ on skin ✓ on dolls, but can be used for improved liability (e.g. in scenarios with a lot of movement) with skin-glue.

**Wound moulage bullet wound arm, big**  
 with bleeding function

Ref.no. NW104  
 Details:

**Wound moulage bullet entrance hole**

Ref.no. NW101A  
 Details:

**Wound moulage bullet hole leg, big**  
 with bleeding function

Ref.no. NW105  
 Details:

**Wound moulage bullet exit hole**

Ref.no. NW101B  
 Details:

**Wound moulage scalding**

Ref.no. NW011  
 Details:

**Wound moulage scalding, big**

Ref.no. NW108  
 Details:





Ref.no. NW007



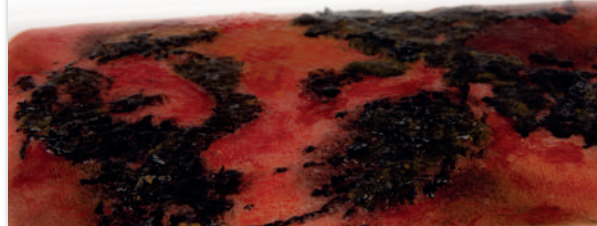
Wound moulage 2nd degree burn



Ref.no. NW008



Wound moulage 3rd degree burn



Ref.no. NW106



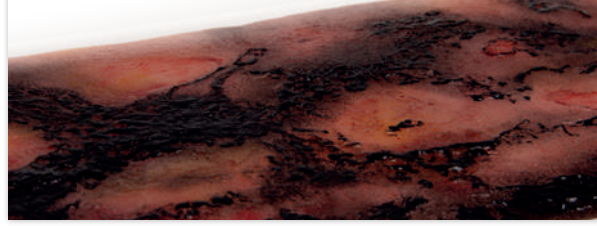
Wound moulage 2nd degree burn, big



Ref.no. NW107



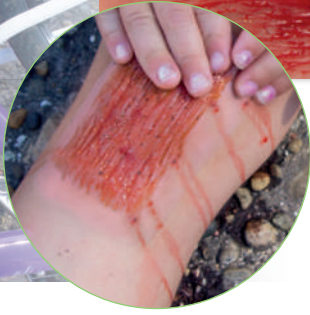
Wound moulage 3rd degree burn, big



Ref.no. NW006



Wound moulage „abrasion“



Ref.no. NW001



Wound moulage „cut with glass fragment“







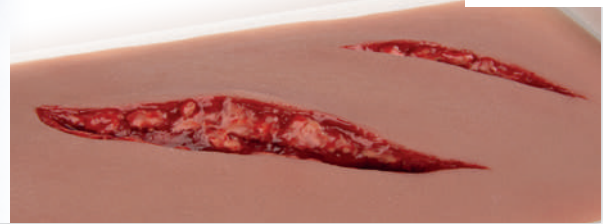
Ref.no. NW100

Details:



### Wound moulage cut, big

with bleeding function



## Bleeding Function

The large wounds have a bleeding function. An incorporated, invisible tube allows the wound to bleed realistically. The tube is connected to an infusion bag which could be filled with artificial blood. Thus the mime himself, or a third person bleed the wound.

Ref.no. NW103

Details:



### Wound moulage open fracture leg, big

with bleeding function



### Wound moulage open fracture arm, big

with bleeding function



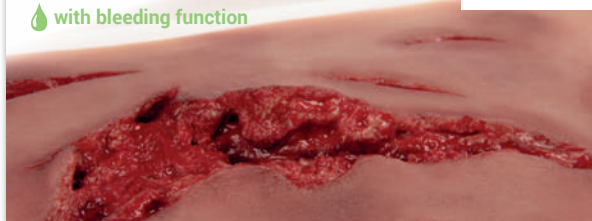
Ref.no. NW102

Details:



### Wound moulage laceration, big

with bleeding function



Ref.no. NW101

Details:





Wound moulage „human bite“

Ref.no. NW005  
Details:

Wound moulage „open fracture“

Ref.no. NW004  
Details:

Wound moulage „cut“

Ref.no. NW002  
Details:

Wound moulage cut broken bottle

Ref.no. NW009  
Details:

Wound moulage „laceration“

Ref.no. NW003  
Details:



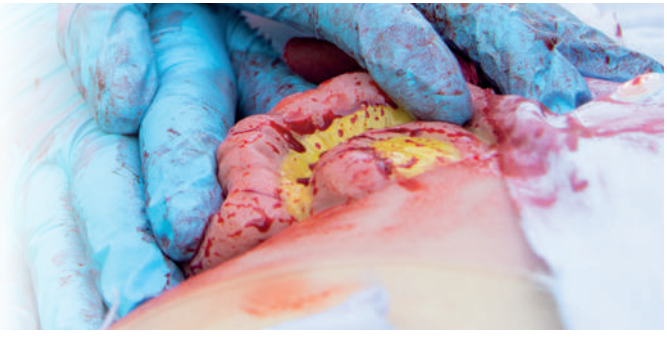
Wound moulage protruding of large intestines

Ref.no. NW109  
Details:



Wound moulage protruding small intestines

Ref.no. NW111  
Details:





## Emergency lower leg

Lifelike Model of a human leg with deep tissue injury, caused by an explosive (blind grenade). The vessel system can be connected with a Luer-lock connector. The whole model is made of strong silicone material and can be used for tamponade treatment of the wounds.

Ref.no. R50010

Details:



## Emergency leg

Complete, life size leg from hip to toe, with explosion injury (blend grenade) on the lower leg and a shot right through the upper leg. Both wounds do have a pumping mechanism and can be used for tamponade treatment. On the upper leg additionally training of tourniquet use is possible. Both wounds can bleed independently so the situation can be adjusted to your training needs.

Ref.no. R50020

Details:



## Bloody M.A.R.C Blood pumping system with Reservoir - Backpack

The Bloody Mobile Automated Remotely Circuit blood supply module fits perfectly to our wound moulages with bleeding function. The reservoir backpack holds up to 3 liters of artificial blood which can be pumped into up to 4 wounds simultaneously. Because of the backpack design the blood supply is not obvious to see and integrates perfectly into your training scenario. The reservoir bag has an extra big opening to allow easy emptying and cleaning.

**Manual Version**

Ref.no. NW900

Details:



**With electronic pump and remote control**

Ref.no. NW950

Details:



## Skin Glue

225g Bottles.

Ref.no. 7700

Details:



## Artificial blood

250 ml bottle.

Ref.no. 7024

Details:



## Artificial Glass

for splinter simulation.

Ref.no. NW200

Details:





## EZ wounds – professional wound simulation set

With this casualty simulation set you create extremely realistic wounds for medical training in a few minutes without having any make-up skills. The molds included in this set can be filled with wound simulation compound many times. The filled molds are pressed onto the required wound position after the compound has dried, the wound adheres to the skin or the manikin without the need of glue. Add some of the supplied artificial blood and the wound is ready for use. For those who require extreme realism a flesh compound can be added into the wound to make it even more realistic. Wounds can be dressed several times, remove the dressing from the wound, wash away the blood and re-apply new blood. Ready for another turn. After finishing the training, the wounds can be easily removed and disposed. No need for cleaning and maintenance. Consumables like wound compound, flesh compound, fixation powder and artificial blood are available separately. The set includes 3 cuts, 7 different lacerations, a hard-contact shot wound, a distant shot wound and a bullet exit wound. The set includes also wound compound, flesh compound, fixation powder, isopropanol, artificial blood, a spatula for applying the compounds and some cotton swabs for applying the blood. The perfect set for professional training of paramedics, firefighters and doctors.



Ref.no. WS02

Details:



## EZ wounds – Casualty simulation set basic

The set includes a cut, a superficial and a deeper laceration, and an abrasion. The set includes also wound compound, flesh compound, fixation powder, isopropanol, artificial blood, a spatula for applying the compounds and some cotton swabs for applying the blood. The perfect set for training of first aiders and basic training of youth firefighters or youth Red Cross.

Ref.no. WS01

Details:



## EZ wounds – Casualty simulation set for standardized patients

The set includes a cut, a superficial and a deeper laceration, and an abrasion as well as a textile impression as for example a safety belt in a car would cause. For simulation of hematomas the set includes four skin colors. The set includes also wound compound, flesh compound, fixation powder, isopropanol, artificial blood, a spatula for applying the compounds and some cotton swabs for applying the blood. The perfect set for professional training in skills labs.

Ref.no. WS03

Details:





## First aid arm

Train students in the proper techniques used to control severe bleeding. Direct Pressure. Pressure Points. Tourniquet

The First Aid arm provides extremely realistic appearance and function to make your training exercise true-to-life. Looks and feels like a real arm. Synthetic blood can be made to flow from either the cut on the forearm or from the severed thumb, or from both at the same time. The severed thumb allows training in proper care and handling of separated body members. You

can regulate rate of bleeding and create venous or arterial flow. Blood returns to collection tray for reuse. Pressure points function realistically at wrist and upper arm. Students will need to react just as in an actual emergency and select the appropriate method to control bleeding and treat the wound. Includes vinyl arm with wound, severed thumb, collection tray, arterial pulse bulb, venous supply bag, one quart blood, teaching guide, and hard carrying case.

Ref.no. R10319



## Facial suturing module set

Now that your students have mastered basic suturing skills on a flat pad, offer them more challenging real-life scenarios with the Facial Suturing Module Set. Use these handy portable trainers to help build confidence and technique in the repair of complex lacerations to the mouth, nose, ear and eye. The soft, lifelike skin can be cut and stitched many times, then easily replaced over the permanent core and base. Completely washable and nontoxic. Set includes scalpel, forceps, needle holder and scissors in a soft case, baby powder, and one nylon suture.



Ref.no. R11001



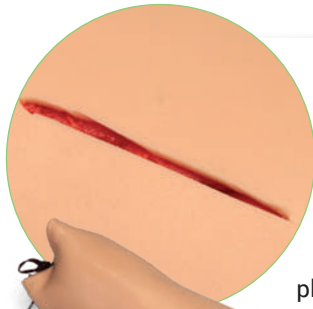
## Pediatric suture head kit

We are pleased to offer the ultimate in suture practice! This appealing trainer will build essential techniques in the repair of almost any laceration to the face and scalp. Great for practice in draping and bedside skills as well. The soft, lifelike skin can be cut and sutured hundreds of times, then simply replaced over the permanent core and base. Completely washable and nontoxic. The trainer comes with scalpel, forceps, needle holder and scissors in a soft case, one nylon suture, simulated blood, and baby powder.

Ref.no. R11103





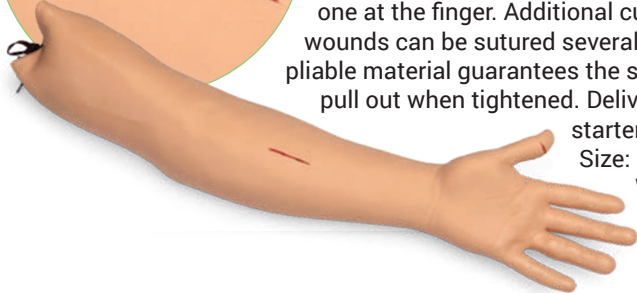


### Suture practice arm

This arm is made of a soft vinyl skin over a foam allowing hundreds of suture practice sessions. The arm comes with 3 cut wounds, two at the arm and one at the finger. Additional cuts can be placed. All wounds can be sutured several times. The soft and pliable material guarantees the sutures will not pull out when tightened. Delivered with a

starter suturing kit.  
Size: 62 x 18 x 13 cm,  
Weight: 1 kg.

Ref.no. R10025



### Suture practice leg

This leg is made of a soft vinyl skin over a foam allowing hundreds of suture practice sessions. The leg comes with 3 cut wounds. Additional cuts can be placed. All wounds can be sutured several times. The soft and pliable material guarantees the sutures will not pull out when tightened. Delivered with a starter suturing kit. Weight: 1,2 kg.

Ref.no. R10024



### Suture kit

An inexpensive kit that offers practicing sutures at all levels. Suitable for students who need to learn or health care professionals who want to perfect the different types and techniques of sutures and other skills needed for wound closure. The instructor or student will have the ability to make incisions and determine the depth of suturing and the technique to be used. Practice and demonstrate tying knots, stapling and placement of staples, use of surgical glue, suturing deep tissue (placement and closure), and suturing subcutaneous tissue (placement and closure). Features epidermis, dermis, fascia, fat, and muscle layers. The skin will allow placement and closure of superficial sutures. Includes suture pad, tray to hold pad, durable carry case, needle holder, suture scissors, tissue forceps, scalpel, nylon suture, and small case to hold the instruments. Pad Size: 15 x 10 x 4 cm, Weight: 1.25 kg.

Ref.no. R10030



### Advanced suture kit

Take your suture skills practice to a new level! The soft, flexible three-layer skin opens realistically when incised, yet is highly resistant to tearing – sutures won't cut through even when pulled tight. Skin pad can be sutured hundreds of times. Includes easy-to-change specialty inserts for deep dermal suturing, tendon repair, and purse-string suture – challenging procedures that require a high degree of precision. Compact, portable and completely washable. Includes base, one skin pad, four non-latex bands, one muscle block, one deep dermal insert, one tendon block, one tendon, one purse-string insert, suture kit, and carry bag. Weight: 1.5 kg.

Ref.no. R11212





### Skin suture trainer

This suture trainer allows practicing surgical sutures again and again. The suturing resistance of the artificial skin is almost like the real skin. Different skin suture techniques can be practiced (single interrupted suture, vertical mattress suture and intracutaneous suture). The material is very robust and guarantees a long term use. Due to this the costs per student are very low at highest possible training quality. Including jig with suction cups. This trainer was developed in co-operation with Prof. Dr. Sarah Koenig, associate professor, surgical skills lab, dept. for general and visceral surgery, University Medicine Goettingen.

Ref.no. 7060

Details:



Replacement skin pad  
Ref.no. 7060A

Replacement pad holder  
Ref.no. 7060B

### Replacement Skin Pad, transparent

The thread is visible through the superficial skin layer and allows to see the position of the whole suture for education purposes.

Ref.no. 7060T

Details:



### Suture pad holder for simulated patients

The holder for our proven suture pad makes it possible to attach the pad with the help of flexible straps to the arm or leg of a simulation patient for a more realistic training situation. The holder is flexible and puncture-resistant, avoiding all risk for the simulation patient, and is also suitable for use with training dummies. A suture pad is not included with this item; please see Ref.no. 7060A.

Ref.no. 7060C

Details:





## Dermal Lesion Simulated Tissue

The Dermal Lesion Pad is a great companion to any dermatological training program. The simulated moles and skin tags sit atop the Epidermis which layers upon the Subcutaneous fatty layer and the Fascia layer below that. Consisting of our 3-Layer Technology, this pad also boasts the opportunity to practice various biopsy methods including: Punch, Shave, Excisional, and Snip Biopsy as well as Mole Removal and Skin Reconstruction.



**Light Skin**  
**Ref.no. SRE0150D**  
 Details:

**Dark Skin**  
**Ref.no. SRE0151D**  
 Details:



## Dermal Biopsy kit with Dermal Lesion Sim Tissue

The Suture Training Kit combines the Dermal Lesion Suture Pad with a set of suturing instruments and three packages of non-sterile 3-0 practice suture. Instruments included in the kit:, 1 Disposable No. 10 Scalpel, 1 Adson Tissue Forceps (1 x 2), 1 Stich Scissor, 1 Mayo Hegar Needle Holder 6".



**Light Skin**  
**Ref.no. SRE0150DK**  
 Details:

**Dark Skin**  
**Ref.no. SRE0151DK**  
 Details:

## I&D Simulated Cyst /Abscess Tissue

The realism SurgiReal commits itself to does not disappoint in the I&D Simulated Cyst/Abscess Pad. Embedded within our 5-Layer Technology sits a simulated cyst next to a simulated abscess to give students the ability to practice abscess drainage/closure, cyst removal/closure, and suturing.



**Light Skin**  
**Ref.no. SRE0220L**  
 Details:

**Dark Skin**  
**Ref.no. SRE0220**  
 Details:



## I&D Simulated Cyst/Abscess Pad Suture Training Kit

SurgiReal's I&D Simulated Cyst/Abscess Suture Training Kit combines the I&D Simulated Cyst/Abscess Suture Pad with a set of suturing and six packages of non-sterile practice suture. Instruments included in the kits: 1 Disposable No. 10 Scalpel, 1 Adson Tissue Forceps (1x2), 1 Stich Scissor, 1 Mayo Hegar Needle Holder 6, 3 Nylon Suture Packages 3-0, 3 Nylon Suture Packages 4-0.



**Light Skin**  
**Ref.no. SRE0220LK**  
 Details:

**Dark Skin**  
**Ref.no. SRE0220K**  
 Details:

# SURGI REAL SUTURE PADS

Designed to be the most realistic and affordable suture training products available, SurgiReal's line of suture pads give every student the ability to gain life-like experience before their first live patient.

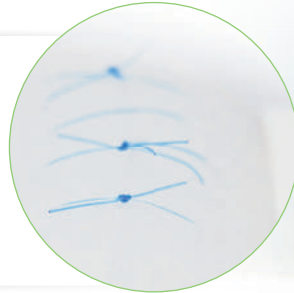


## Suture pad 1-Layer transparent

**small**  
Ref.no. SRE0100



**large**  
Ref.no. SRE0100C



## Suture pad 3-Layer

**small Light Skin**  
Ref.no. SRE0150L



**medium Light Skin**  
Ref.no. SRE0250L



**large light Skin**  
Ref.no. SRE0350L



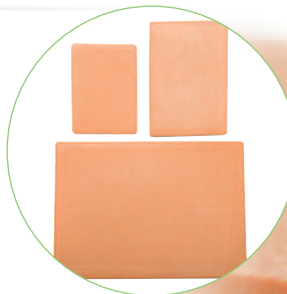
**small Dark Skin**  
Ref.no. SRE0150



**medium Dark Skin**  
Ref.no. SRE0250



**large Dark Skin**  
Ref.no. SRE0350



## Suture pad 6-Layer

**small Light Skin**  
Ref.no. SRE0230L



**medium Light Skin**  
Ref.no. SRE0330L



**large light Skin**  
Ref.no. SRE0430L



**small Dark Skin**  
Ref.no. SRE0230



**medium Dark Skin**  
Ref.no. SRE0330



**large Dark Skin**  
Ref.no. SRE0430



## Tensioning Base for Skin pad

**small**  
Ref.no. SRE0210



**medium**  
Ref.no. SRE0310



## Real Flow bleeding Skin pad

**medium Light Skin**  
Ref.no. SRE0331L



**large light Skin**  
Ref.no. SRE0431L



**medium Dark Skin**  
Ref.no. SRE0331



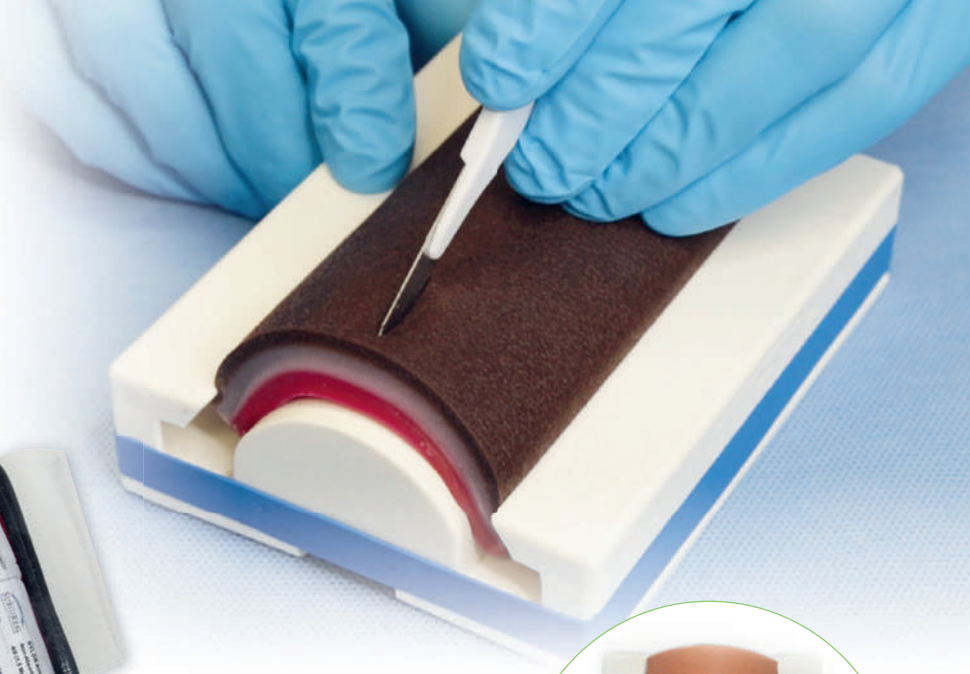
**large Dark Skin**  
Ref.no. SRE0431





**Instruments included in this kit:**

- 1 Disposable No. 10 Scalpel,
- 1 Adson Tissue Forceps (1 x 2),
- 1 Stich Scissor, 1 Mayo Hegar Needle Holder 6".



**Suture Training Kit with 1-Layer Pad**

**transparent**  
Ref.no. SRE0100K



**Suture Training Kit 3-Layer Pad**

**small Light Skin**  
Ref.no. SRE0150LK



**medium Light Skin**  
Ref.no. SRE0250LK



**small Dark Skin**  
Ref.no. SRE0150K



**medium Dark Skin**  
Ref.no. SRE0250K



**Suture Training Kit 6-Layer Pad**

**small Light Skin**  
Ref.no. SRE0230LK



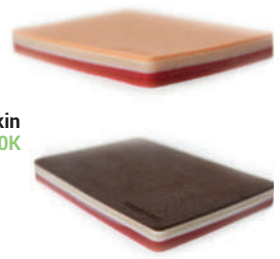
**medium Light Skin**  
Ref.no. SRE0330LK



**small Dark Skin**  
Ref.no. SRE0230K



**medium Dark Skin**  
Ref.no. SRE0330K





Ref.no. R10093

Details:



## Abdominal open and closure trainer

The Advance Abdominal Open and Closure Skin Pad has been developed to simulate real skin tissue and for ease of use by course organisers on low budgets doing basic surgical courses. It is supplied with a pink skin surface with sub-dermis for intradermal suturing. A white linear alba makes up a further layer.

- ✓ Easy maintenance, requiring only a set of balloons and set of skins
- ✓ Up to 4 good incisions can be made from each set of skins
- ✓ Skins cut and suture well
- ✓ Included with the kit are four balloons and a set of skins (1 red, 1 white)
- ✓ Internal planes within the unit prevent the balloon from moving around
- ✓ Rubber suction feet secure the base providing easy working conditions

## Trochar-trainer

- ✓ This simple new concept provides a useful means to demonstrate a trochar being inserted through the abdominal wall
- ✓ The skin pad will accept most trochars from a Verres type needle to a 12 mm trochar.
- ✓ The skin tissue has considerable elasticity and has been designed to simulate the resistance experienced on body entry.
- ✓ The transparent box allows for full visual access. Without trochar.

Ref.no. R10094

Details:



## Laparoscopic trainer

The portable laparoscopic trainer is designed to provide low cost assistance in laparoscopic training.

- ✓ Supplied with 4 mm black neoprene skin
- ✓ Simple to assemble and ready for use in seconds
- ✓ Works with wet tissue (eg. Pig liver) or dry (eg. foam)
- ✓ Size: 39 x 39 x 22 cm

Ref.no. R10086

Details:



Accessories:

**Neoprene skin (2 pcs)**

Ref.no. R10086-1

Details:



**Transparent skin for daylight use**

Ref.no. R10086-2

Details:







## Surgery and laparoscopy Torso

This trainer is aimed at all levels of surgeons in training whose surgical skills necessitate extra practise. Once set up, the torso can self-educate using his/her preferred surgical laparoscopic instrumentation for a variety of techniques. The Torso has the following features:

- ✓ Can insufflate and maintain airtight pressure
- ✓ Supports usage of wet tissue or prepared artificial materials
- ✓ Can be used for surgical diathermy. There is a fixed metal plate in the base of the unit with a connection on the outside to enable earthing (only version with diathermy).
- ✓ Can be easily cleaned by flushing out through a large airtight drain plug
- ✓ It is light weight and has a carrying handle

### Accessories:

#### Organ board for laparoscopy Torso

The Organ Board for R10083 allows trainers to prepare specimens in advance for use in the Surgery and Laparoscopy Torso. The board has a simple interchangeable push-peg and hoop-tie system for securing specimens. A diathermy plate is mounted on the board. Furthermore, suction feet provide a firm placing for the board within the Torso.



**with Diathermy**  
**Ref.no. R10083**  
 Details:

**without Diathermy**  
**Ref.no. R10084**  
 Details:

**Ref.no. R10083-1**  
 Details:

#### Abdominal skin with fatty tissue

A smooth soft-tissue multi-functional Skin Pad with a pink surface and a yellow fatty tissue layer, 12 mm thick. Ideal to take trocar incisions or larger incisions and can be sutured. Realistic tactile feeling when surgical zips or gloves are used.



**Ref.no. R10083-2**  
 Details:



**Ref.no. R10083-3**  
 Details:

#### Neoprene skin

2 replacement skins for Laparoscopy Trainer R10083.



## Surgical skills trainer

This suturing trainer is perfect for training of basic operation skills. A suturing skin pad as well as an anastomosis bowel can be replaced. The perfect aid for the laparoscopic trainer R10083 or R10086. Size: 25 x 23 x 9 cm.

**Ref.no. R10083-4**  
 Details:

## Small Intestine Simulator Two 40 cm segments

Specially designed to replicate a segment of intestine, this model is a great option for students hoping to practice end-to-end, side-to-side, end-to-side, and functional end-to-end anastomotic techniques. Both stapling and suturing techniques are supported by this simulator and the security of your closure can be tested by filling the intestine with water to spot leakage.

Ref.no. SRE0500

Details:



## Hollow Organ/Stomach Model

SurgiReal's Hollow Organ-Stomach model provides a unique experience in suturing hollow organs. Because hollow organs require a different suturing technique than skin closures do, this model offers an opportunity to experience a variety of suturing situations. Though simulated to look like a stomach, this model is meant to train general hollow organ suturing.

Ref.no. SRE0510

Details:



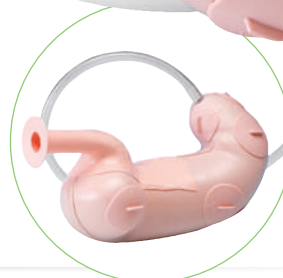
## Endoscopic submucosal dissection training model

This resinoid model represents almost similar figure of human stomach, and can be used for the training of ESD. Considering the operability of endoscope, the transition part, from esophagus to stomach is made of soft resin. By setting a real dissected stomach of porcine at the area where ESD is supposed to be executed, very similar feeling of human stomach wall can be recognized using endoscope. The following locations can be used to place tissue:

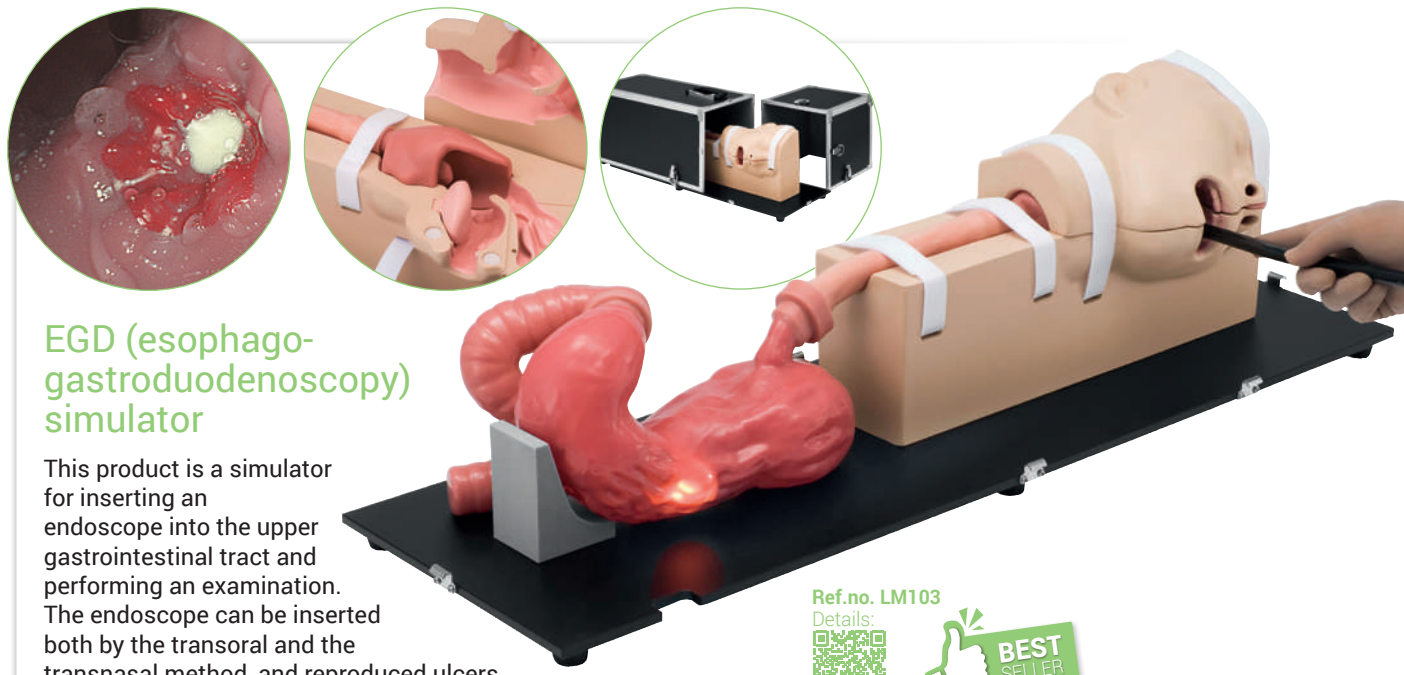
- ✓ Vestibular anterior wall
- ✓ Vestibular posterior wall
- ✓ Greater curvature at gastric angle
- ✓ Lesser curvature
- ✓ Greater curvature in the gastric body.
- ✓ Comes with transport case.

Ref.no. LM83

Details:







## EGD (esophago-gastroduodenoscopy) simulator

This product is a simulator for inserting an endoscope into the upper gastrointestinal tract and performing an examination. The endoscope can be inserted both by the transoral and the transnasal method, and reproduced ulcers and polyps for observation are provided.

Ref.no. LM103

Details:



### Features:

- ✓ The simulator is made of silicone rubber, and it feels like a human body when inserting an endoscope. The color is also close to that of the human body.
- ✓ Both transoral and transnasal insertion can be performed.
- ✓ With transnasal insertion, there is a setting for cases that are difficult to insert. The insertion technique or appearance can be changed (nasal septum deviation to the right or the left).
- ✓ Training in endoscopic examination of the esophagus, stomach, and duodenum is possible.
- ✓ In endoscopic retrograde cholangiopancreatography (ERCP), training in the cannulation method of the papilla is also possible.
- ✓ A gastric ulcer and early gastric cancer can be observed in the stomach. Four types of polyps of Yamada classification types I to IV can also be attached for observation.
- ✓ An ulcer is reproduced in the duodenum.
- ✓ The face portion can be opened at the midline to understand the anatomical structure of the nasal and oral cavities and the larynx.



## Gastroscopy-Simulator Gastro (EGD)

A large number of different inserts allows polyp treatments like injection, lifting, cutting and removal, simulation bleeding stop, stenting and others

### Features:

- ✓ Training model for interventional gastroscopy
- ✓ Realistic anatomical structures
- ✓ Removal of tissue with cold snare, e.g. polypectomy
- ✓ Taking tissue biopsy with forceps
- ✓ Placement of stents in the esophagus, stomach and duodenum
- ✓ Treatment of bleeding / stopping bleeding with injection, clips and band ligation
- ✓ Practice with existing endoscopes and original accessories
- ✓ Practice of tissue injections
- ✓ Varicose ligation

### Optional extension:

- ✓ Module EUS - Training of endoscopic ultrasound (EUS) with puncture possibility (FNA)
- ✓ Module PEG - Application
- ✓ Module pancreas and bile duct

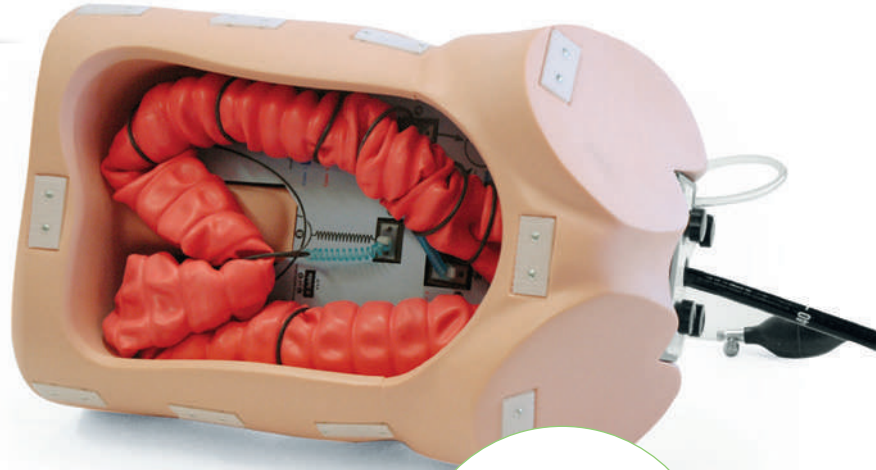
Ref.no. R21100

Details:



## Colonoscope training model

Soft and flabby colon with airtight structure allows realistic colonoscopy insertion and withdrawal training with air insufflation/suction functions and maneuver techniques which reduce patients' pain and discomfort in the examination procedures. Human colons are organs which move in our abdomen and change their shapes to accommodate contents. The training model facilitates learning how to obtain the best view while handling the organ by the colonoscopy. In addition to such changing state of each colon, there are significant varieties in each individual's colon, some are shorter and simpler and others are redundant and more complicated. This innovative training model is designed to allow various colons' placement, facilitating trainees to acquire the skills step by step to achieve higher competence.



Ref.no. R16690

Details:



## Colonoscopy Simulator

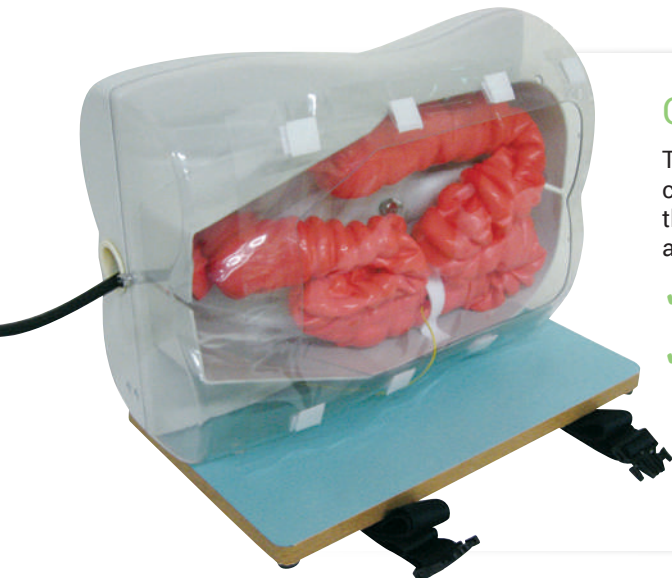
The Colonoscopy Simulator is a training model for practicing colonoscopy insertion. The simulator is made of special silicone rubber that feels like a living body in the observation field. The internal color also closely resembles that of the living body. **Features:**

- ✓ Observation can be performed by attaching a simulated polyp (for observation) in the ascending and descending colons.
- ✓ LST (laterally spreading tumor) is reproduced in the ascending colon.

By attaching various optional parts, it allows training in endoscopic interventions, such as resecting a polyp and stopping bleeding, and insertion into the small intestine using a balloon enteroscope.

Ref.no. LM107

Details:



## Optional small intestine extension

### Features:

- ✓ Practical training for the double balloon method can be performed
- ✓ Practical training for the single balloon method can be performed
- ✓ Using each type of balloon enteroscopy, insertion into the large and small intestine and shortening technique can be performed
- ✓ The small intestine has a total length of 120 cm and contains an internal scale with intervals of 30 cm to enable the user to confirm the length of insertion
- ✓ The level of difficulty of inserting the enteroscope into the small intestine can be changed (Two types)

### Semi-difficult version

Ref.no. LM107A

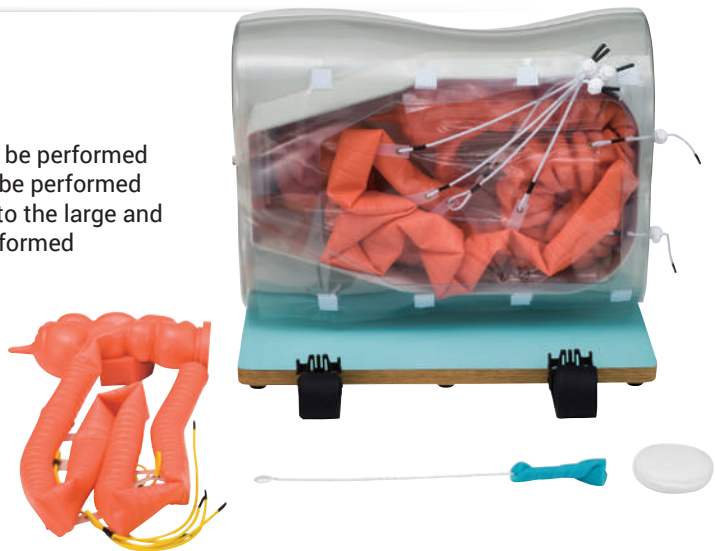
Details:



### Easy version

Ref.no. LM107B

Details:







## Bronchoscopy trainer

This product can be used for insert training of ultrafine bronchoscopy as well as existing bronchoscopy. Special fabrication methods allow recreation of ultrafine bronchoscopy that could not be done before. Most methods duplicate distal bronchus. Ultrafine bronchoscopy enables insertion all the way through the distal bronchus. The material is specialized silicone rubber. The sense of bronchoscopy insertion allows a feeling like human-like texture due to elasticity. In addition, the internal bronchial tube is a humanlike color. The bronchial tube and the stand are easily removable from the outer case. Bronchus is detachable and washable after insert training.

Ref.no. LM92

Details:



## Ultrasonic bronchoscopy simulator

This model can be used not only for ultrathin bronchoscope insertion training, but also for endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) training. **Features:**

- ✓ Visualizing ultrasonic bronchoscopy images of lymph nodes embedded in the puncture site enables highly realistic definitive diagnosis of cancer metastases to the hilar and mediastinal lymph nodes, as well as practical training for puncturing the target lymph node.
- ✓ The ultra-thin structures of the bronchi in the bronchi main body were reproduced using a special manufacturing method, including the 5th order bronchi. Ultra-thin bronchoscopes can be inserted up to the 5th order bronchi.
- ✓ A head model is attached, enabling insertion of the ultrasonic bronchoscope from the oral cavity and confirmation of the bifurcation of the bronchi and esophagus.
- ✓ The bronchi main body and the bronchi-support stand can be easily removed from the black case.
- ✓ The peripheral parts of the three-dimensional bronchi can be fully opened, enabling washing with water following endoscope insertion training.
- ✓ The material used is a special silicone rubber. Its elasticity confers a human body-like texture when inserting the bronchoscope. The inside of the bronchi is also similar in color to the human body.



Ref.no. LM99

Details:





## Dental manikin

A simple and economical chair manikin for auxiliary training of assistants and hygienists in the dental office. Unit includes DENTOFORM® model for technique training, Aluminal skull, and soft outer Plassein head. Universal ball-joint allows for rotation of head into a variety of positions. Includes chair mount. Weight: 2.8 kg.

Ref.no. R17000

Details:

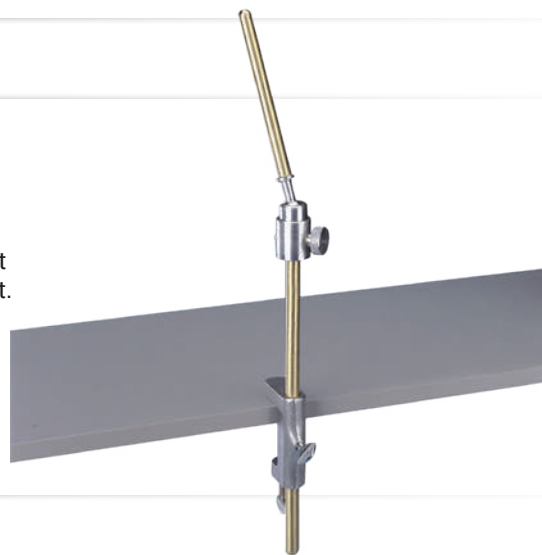


## Dental manikin bench mount

This small portable bench-clamp is popular with dental assistant and dental hygiene classes, as well as for dentistry students. It has a lightweight universal ball-joint for simulating neck movement. Use with Dental Manikin R17000. Weight: 1 kg.

Ref.no. R17000A

Details:



Dental models can be found on pages 67 and 68





# GM MEDICAL

MEDICAL DEVICES AND KNOWLEDGE



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