



MEDICAL SIMULATION

3B Scientific | iSimulate | Cardionics | Operative Experience

Find all products online at 3bscientific.com



3B Scientific

DEAR VALUED CUSTOMER,

Our mission at 3B Scientific is to “Advance Medical Education”. To reach this goal for our customers, innovation is at the core of everything we do in product development across the entire 3B Scientific group of companies. In the last couple of years, we have created and added many new simulation products and upgraded our anatomy line with the free software 3B SMART ANATOMY in order to provide you with new choices in this rapidly evolving marketplace.

In 2019, Cardionics – the leaders in auscultation – joined the 3B Scientific group, followed by iSimulate in 2020. Together with them and our partner Operative Experience, we are in a unique position to offer our customers an extensive range of high quality medical education tools for any kind of specialty – around the globe.

Closely related to our own product innovation, we work very diligently to understand the trends in the market in order to identify partner’s products to include in our catalog. Our role has always been to be your “one stop shop” for medical education products and innovation. Providing a complete solution that includes both our own products as well as our partnering manufacturers, we will continue to be at the heart of what we deliver to you each year.

Have a look at the selection of products in this brochure and remember to visit us online for our entire range of medical simulators, task trainers and models.

We are here to help, please contact us for any questions and inquiries you may have.

Your 3B Scientific Team



Enter promotion code **FREESHIP2022** during checkout for **Free Shipping** on orders over \$200.*

Ordering Information

Toll Free Phone: 1.866.448.5846
Toll Free Fax: 1.866.992.1514
E-mail: sales@3bs.com
Order online at 3bscientific.com

The online **Quick Order** is fast and easy! Simply enter the product number and quantity online from the print catalog and go directly to the check-out.



Payment Methods

We accept Visa, MasterCard, Discover, American Express, personal checks, or money orders. Your card will only be charged when order is shipped.

Policies and Guarantees

Prices are subject to change. Our full ordering policies and manufacturer’s warranty can be found online at 3bscientific.com.

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About 3B Scientific

3B Scientific was founded in 1948 in Hamburg, Germany and has grown to be one of the world's leading manufacturers of Medical and Science Education solutions. The product portfolio covers a complete and comprehensive range of equipment for simulation and skill training, anatomy, healthcare and patient education. The brand name 3B Scientific® stands for best quality, best value, and best service.

About iSimulate

iSimulate was founded by Peter Mckie and Anthony Lewis in 2011 with the mission of providing effective, reliable and realistic simulation tools. The solutions they developed together have revolutionized healthcare simulation training worldwide by offering smart and cost effective solutions for medical emergency simulation.

iSimulate is part of the 3B Scientific Group since 2020.



About Cardionics

Cardionics was founded in 1969 with the purpose to improve medical education in auscultation and the advancement of cardiac and pulmonary education. Since its founding, Cardionics has been an innovator in auscultation simulators and was the first to develop a heart sound simulator to assist students in learning to identify and differentiate normal and abnormal cardiac and pulmonary sounds.

Cardionics is part of the 3B Scientific Group since 2019.

About Operative Experience

The mission of Operative Experience is to revolutionize surgical and medical team training. Using medical simulators with unprecedented anatomical and surgical fidelity within a rigorous experiential instructional paradigm, Operative Experience will reduce training costs while increasing training effectiveness and retention.

Operative Experience is a strategic partner of the 3B Scientific Group since 2016.



THE INTERNATIONAL 3B SCIENTIFIC GROUP KEEPS ON GROWING!

Apart from developing new and innovative products to cater to medical educators, the 3B Scientific Group has built strategic partnerships to expand the product lines for high-fidelity simulators. Being on a mission to globally advance the delivery of medical and healthcare education, we promise to meet the increasing demand for more realistic and durable medical simulators and skill trainers.

NIKKI THE NURSING MANIKIN WITH AUSCULTATION

Nikki the Nursing Manikin with Auscultation offers 11 anterior and 4 posterior auscultation sites with 42 high quality sounds powered by Cardionics – the Leader in Auscultation Simulation. The manikin was developed specifically for scenario-based simulation to improve competency in patient care and advanced nursing skills.

Nikki the Nursing Manikin simulates an adult, life-size patient and comes with the training NursingScope powered by Cardionics. NursingScope is an electronic simulation-training stethoscope created for auscultation training purposes or objective structured clinical examinations (OSCE). Meets the OBRA requirements of Nurse Aide Training and Competency Evaluation Programs (NATCEP).

1022952



- Ideal to train the full suite of patient care and medical care skills
- NEW with auscultation:
 - 21 heart sounds, including Aortic Stenosis, Patent Ductus Arteriosus (PDA) and Mitral Valve Prolapse
 - 16 lungs sounds, including Stridor, Pectoriloquy and Pulmonary Edema
 - 6 bowel sounds, including Borborygmus, Hypnoactive Bowel and Normal Bowel Sounds



BOWEL CARE & ENEMA TRAINER P16

High quality, life-size bowel care trainer by 3B Scientific for realistic enema and bowel care management and interventions training. Improve patient care training in order to reduce the risk of complications associated with management of lower bowel dysfunction and ensure patient safety.

Procedures and features:

- Enema administration: cleansing, oil-retention, return-flow, medicated enemas
- Suppositories and medication administration
- Digital rectal examination (DRE), stimulation (DRS), and removal of faeces (DRF)
- Supports the insertion of CH16 to CH40 catheters and balloon rectal tubes
- Latex-free, the different Digital Rectal Inserts are made of SKINlike™ sturdy silicone to simulate human skin and tissue haptic during DRE and DRS
- Contains two 3D (three dimensional) anatomical didactic models of hemorrhoids to facilitate the explanation of complication or contraindication
- Simulates the buttock of a patient with femoral stumps, anus and bowel in pre-positioned left lateral recumbent position

1022519



See page 32 and the new features of CATHETERIZATION SIMULATOR P93 Pro

► TRAINER FOR HEMORRHAGE CONTROL ON UPPER EXTREMITY WITH REALISTIC WOUND AND BLEEDING SIMULATION.

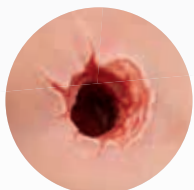


HEMORRHAGE CONTROL ARM TRAINER P102

Improve pre-hospital patient care training with this affordable Hemorrhage Control Arm Trainer P102 by 3B Scientific. It is the perfect solution for realistic training of bleeding control and management of traumatic injuries on the arm. Trainees will gain confidence in managing difficult bleeding using tourniquets and wound packing.

The arm is equipped with three different wounds that bleed independently:

- Deep laceration or stab wound (5 cm)
- Large caliber gunshot wound through and through (GSW)
- Junctional wound in the shoulder area
- Instructor controlled bleeding: the bleeding of each wound is controlled with a manual blood pump system simulating venous or arterial pulsatile blood hemorrhage
- Direct feedback: the bleeding will stop (mechanical occlusion of blood vessels) when tourniquet has been correctly applied (placement and closing)
- Latex-free skin made of high quality SKINlike™ sturdy silicone to simulate human skin and tissue haptics and features bony landmarks and palpable vessel damaged in the GSW
- Designed for field use: sturdy construction requires no batteries or external power and can be worn by a Standardized Patient or manikin



1022652

HEMORRHAGE CONTROL LEG TRAINER P103

Hemorrhage Control Training at its best with this Hemorrhage Control Leg Trainer P103, your affordable and easy solution for realistic training of bleeding control and management of traumatic injuries on the thigh. Train how to manage difficult bleedings using tourniquets and wound packing. Additionally, this simulator trains students on amputation management skills. This leg trainer P103 is equipped with three different wound patterns and is available in light and dark skin tone.



► REALISTIC TRAINING OF BLEEDING CONTROL AND MANAGEMENT OF TRAUMATIC INJURIES!

Features and hemorrhage control procedures:

- Wound patterns: deep laceration (around 4 cm deep), gunshot wound through and through (GSW) and amputation in knee region
- Limb tourniquet application with direct feedback: Tourniquets can be placed “high and tight” at the proximal end of the thigh as well as 5-8 cm above the wounds. If the tourniquet is applied correctly, the bleeding stops automatically by mechanical occlusion of the blood vessels
- Wound packing: A deep lying lacerated tube can be palpated manually as the injured blood vessel. The junctional and the gunshot wound can be packed with gauze
- Hemostatic device application: The gunshot wounds are compatible for an application of the XSTAT® hemostatic device
- Stump and large area wound dressing

Dark Skin 1023314
Light Skin 1023106



iSIMULATE – THE LEADER IN CLINICAL EDUCATION TECHNOLOGY OFFERING SMART AND COST EFFECTIVE MEDICAL SIMULATION SOLUTIONS

iSimulate was founded by Peter Mckie and Anthony Lewis in 2011 with the mission of providing effective, reliable and realistic simulation tools. The solution they developed together has revolutionized healthcare simulation training worldwide. In January 2020, iSimulate joined forces with the 3B Scientific Group. Today, a significant emphasis for strong growth and the development of the product pipeline lies in the active collaboration from and partnership with the experts from 3B Scientific and Cardionics.



REALITi 360 ECOSYSTEM

SIMULATIONS COME TO LIFE WITH THE REALITi 360

ECOSYSTEM:

- Mimics real defibrillators, monitors and ventilators
- Fosters engaging assessment for students and distance based learning
- Includes a built in Training Management System to access all your simulation data
- Has a built in radiology and 12 lead ECG library
- Turns any training into a high quality scenario simulation
- Create Scenarios in minutes



THE REALITi 360 ECOSYSTEM – SELECT YOURS TODAY – NO HIDDEN FEES

REALITi 360 simulates a wide variety of premium branded patient monitor, defibrillator and ventilator screens, providing added realism to your in-situ training.

Simulated screens work with the REALITi 360 vital sign monitor and defibrillator software. They are designed to be used with the patient monitor simulation systems of REALITi Plus and REALITi Pro. Instructors can easily add training scenarios or downloaded new scenarios from the REALITi 360 Community platform.

A few examples of the simulated premium screens from leading manufacturers include:

Zoll® Propaq® MD

8000978



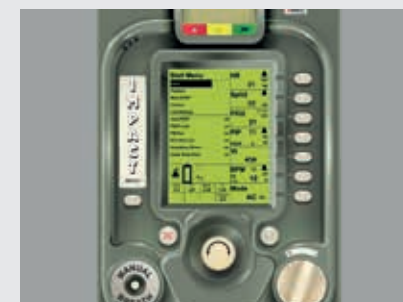
Philips Tempus ALS

8001118



ZOLL EMV+®

8001016



DEFIGARD Touch 7

8001000



Medtronic Capnostream™ 35

8000973



GE CARESCAPE™ B40

8000969



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➤ FIND THE REALITi 360 KIT TO SUPPORT YOUR SPECIFIC TRAINING REQUIREMENTS:

	REALITi Go	REALITi Plus	REALITi Pro
Item Number	1022862	1022815	1022816
iOS Version	11 or greater	11 or greater	11 or greater
Universal (Generic) Screens – Monitors, Defibrillator, AED, Ventilator	6	6	6
Premium Simulated Screens included (Zoll, Philips, Schiller, etc.)	–	1	5
Optional Premium Screens to choose from	17+	17+	17+
Patient Monitor Tablet (included)	12.9”	12.9”	12.9”
Controller Tablet (included)	9.7” or 10.2”	9.7” or 10.2”	9.7” or 10.2”
1 WiFi Router	✓	✓	✓
1 USB Powerbank	✓	✓	✓
1 Simulation bag and Accessory set*	✓	✓	✓
ECG Waveforms – Rate Controllable	70+	70+	70+
ECG – Advanced Functions	–	✓	✓
Static ECG – 12 Lead	✓	✓	✓
Live/Dynamic ECG – 12 Lead	–	✓	✓
SpO ₂ Waveforms	✓	✓	✓
CO ₂ Waveforms	✓	✓	✓
Invasive Blood Pressure Waveforms	✓	✓	✓
Critical Care Waveforms	–	ICP, CVP, PAP**	ICP, CVP, PAP**
Preserve CO ₂ (CPR)	✓	✓	✓
Scenario Creation	✓	✓	✓
Radiology and Patient Images	✓	✓	✓
Patient Images	✓	✓	✓
Laboratory Reports	✓	✓	✓
Training Management System	✓	✓	✓
CPR Feedback Module	Optional	Optional	✓
Video Debriefing Module	Optional	Optional	✓
Patient Chart Tablet	Optional	Optional	Optional
Remote Control Module	Optional	Optional	Optional

* Accessory set: 3 leadwires ECG cable snap, 7 leadwires ECG cable snap, 10 leads ECG trunk cable, SpO₂ sensor, Adult NIBP cuff, Defibrillator/ AED connector, Disposable adult ECG electrodes, EtCO₂ sensor gas drier tube

** Available on GE Carescape, Philips MX800, Corpuls 3 and 3T. Coming soon to Zoll X and Propaq MD.



REALITi GO

REALITi Go – Start your simulation training with the basics

Complete with 6 universal screens, instructors have a set-up to prepare course participants effectively and realistically for their assignments in the preclinical and clinical area.

1022862

REALITi PLUS

REALITi Plus – Improve your simulation activities

Ready to introduce one simulated premium screen to your training? REALITi Plus is the perfect choice for introducing medical students and EMT's to the operation and functionality of a monitor or defibrillator in the field.

1022815



REALITi PRO

REALITi Pro – Enhance your simulation experience

With 5 premium screens, REALITi Pro offers a highly advanced and portable solution for medical instructors. Fully equipped hardware and software kit for facilitating detailed debriefings, video streaming and evaluations of training courses. Included is the CPR module providing real-time feedback on rate, depth and recoil.

1022816

IMPROVING PATIENT CARE UNDER FIRE

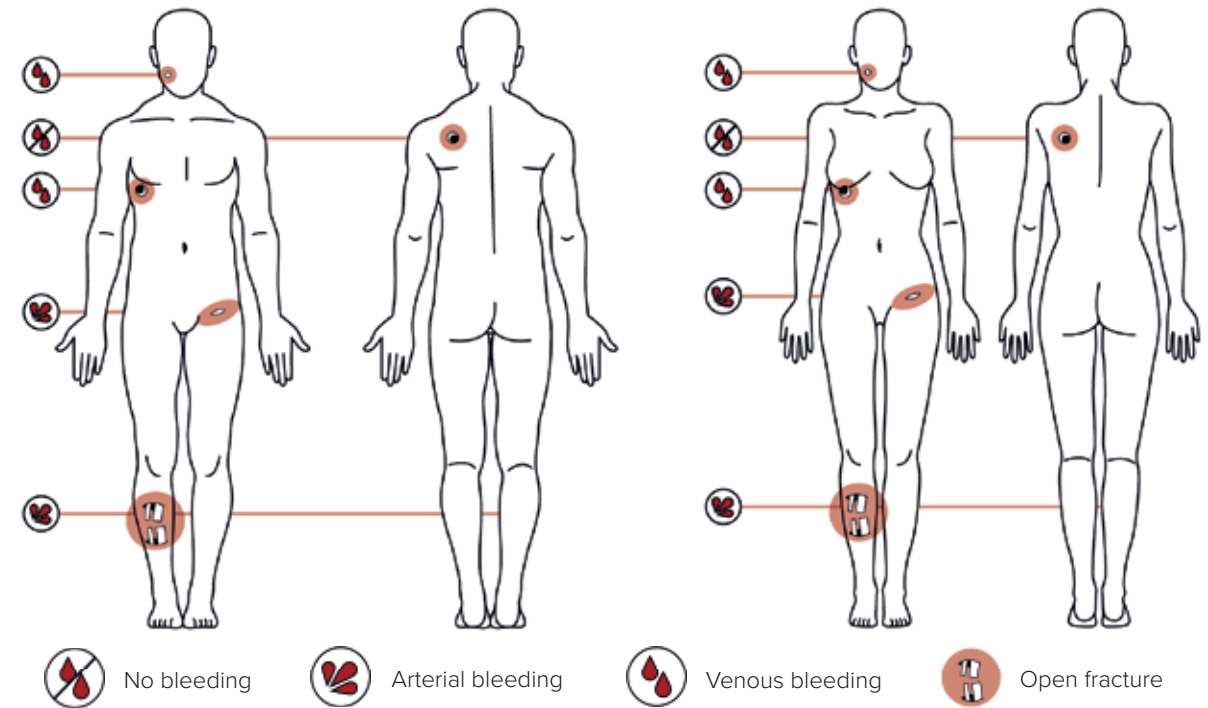


The Tactical Casualty Care Simulation Suite is a suite of life-like and anatomically accurate, high-fidelity, male and female simulators for comprehensive TCCC (Tactical Combat Casualty Care) and medical provider level care training. Featuring life-like tissue and high anatomic fidelity, the TCCS (Tactical Casualty Care Simulators) and TCCS Plus lines of simulators are highly ruggedized, water-resistant and fully mobile. With over 10+ hours of battery life they are ideally suited for challenging, real-world, indoor and outdoor environments.

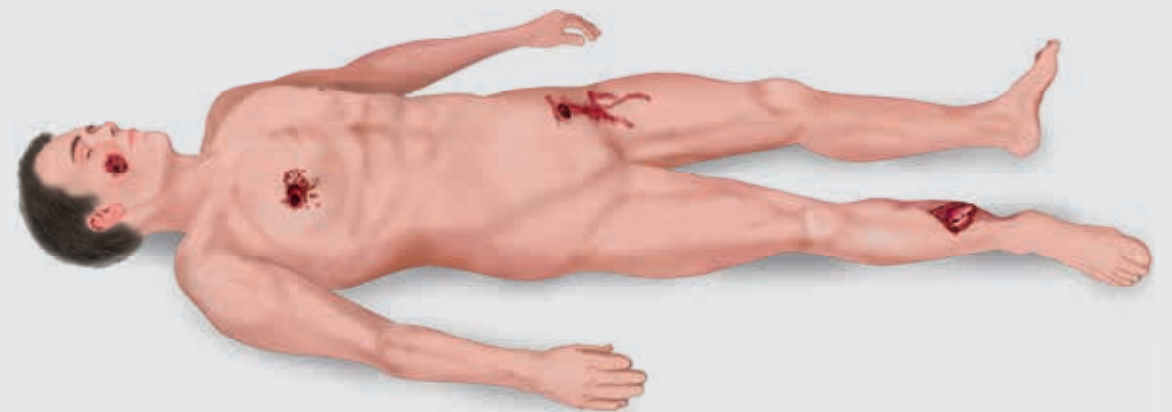
Technical Specifications:

- Full-body wireless manikin
- Water resistant
- Male: 192 × 70 × 30 cm, 84 kg
- Female: 165 × 60 × 28 cm, 59 kg (Simulator weight can vary +/- 5%)
- Fully-articulated limbs
- Internal batteries – dual pack
- Li-Ion 18.5V, 6400 mAh
- 6A rate with built in thermal protection
- UN38.3 certified
- Run time: 10+ hours
- Electrical Input: 110 - 240v
- Two-way communication system
- Line of sight two-way communications headset
- Range up to 91 m
- Instructor Control Interface tablet
- Patient Monitor tablet (Plus models only)
- Instructor Control Interface software and license (iOS, Android, Windows 10, Mac OS 10.12 or greater)
- Rugged carry case
- 3.7 liters concentrated antimicrobial, antifungal, antifreeze simulated blood

Example of a wound configuration, many more options at 3bscientific.com



Wound Description	Bleeding	Type
Right side of the face Gun Shot Wound (GSW)	Yes	Venous
Left back side GSW exit wound	No	–
Right side of the chest GSW	Yes	Venous
Left inguinal wound	Yes	Arterial
Right tibial / fibula open fracture	Yes	Arterial



➤ VISIT [3BSIDENTIFIC.COM](http://3bscientific.com) FOR THE COMPLETE RANGE OF TCCC TRAINING MANIKINS

TACTICAL CASUALTY CARE SIMULATOR (TCCS)

Comprehensive Tactical Combat Casualty Care Preparedness



TACTICAL CASUALTY CARE SIMULATOR FEMALE (TCCSF)

The World's First Life-Identical Female Tactical Simulator for TCCC Training



- Ruggedized, soldier-form simulators for comprehensive TCCC preparation, available in different standard wound pattern configurations that simulate IED, gunshot and blunt trauma injuries
- Simple to operate, fully-mobile and remotely operable, the TCCS provide the ability to create realistic and challenging training scenarios in any simulated battlefield or active shooter environment
- Available as male and female soldier simulators

TACTICAL CASUALTY CARE SIMULATOR PLUS (TCCS PLUS)

A High-Fidelity, Clinically-Responsive Tactical Trauma Simulator for Prolonged Field Care Training



TACTICAL CASUALTY CARE SIMULATOR FEMALE PLUS (TCCSF PLUS)

High-Fidelity Medical Provider Level Prolonged Field Care for the Female Combatant



About the TCCS Plus

TCCS Plus is a military grade, high-fidelity tactical trauma simulator for both medical provider level prolonged field care training and comprehensive all-combatant TCCC training, conforming to the Joint Trauma System (JTS), Center of Excellence and Deployment Medicine training standards.

Medical Providers

At the Medical Provider level, the TCCS Plus is a clinically responsive simulator designed to support physiologically-based prolonged field care training, including hemorrhage control, advanced airway management, closed head trauma identification, cardiac compromise, advanced respiratory disorders, multiple IV sites and advanced monitoring.

TCCC Training

TCCS Plus also provides comprehensive TCCC training capability, including remote-activated breathing and pulsating bleeding; emergency airway; humeral and sternal intraosseous; oropharyngeal and nasopharyngeal airway; wound packing; open fracture; midclavicular and anterior axillary needle thoracostomy; tourniquet application and two-way communications.

[CONTACT US TO SCHEDULE A DEMO](#)



Now smarter with CPR Feedback app



THE ECONOMICAL AND RELIABLE CPR TRAINING MANIKIN NOW COMES WITH DIRECT FEEDBACK

BASICBILLY+ BASIC LIFE SUPPORT SIMULATOR

The BASICBilly+ Basic Life Support (BLS) and CPR manikin now comes with a direct CPR feedback Upgrade Kit which enables students and instructors to effectively train CPR with the free, accurate and user friendly mobile apps powered by heartisense®.

The CPR apps provide feedback for:

- Compression (depth, recoil, and rate)
- Breath (volume)
- Hands-off time in real-time
- Feedback and evaluation meet the standard of the latest guidelines of the American Heart Association (AHA) and the European Resuscitation Council (ERC).



BASICBilly+ Upgrade Kit
Equip your older versions of the BASICBilly manikin with sensors for CPR Training with Direct Feedback

Light Skin 8000951
Dark Skin 8000953

1022626



3B SCIENTIFIC® QUALITY CPR TRAINING MANIKIN CPRLILLY PRO+ MONITORS UP TO 10 TRAINEES AT A TIME AND COMPLIES WITH AHA'S REQUIREMENTS FOR DIRECT FEEDBACK

CPRLILLY PRO+

Measure, monitor and analyze the CPR performance of up to 10 trainees at the same time. CPRLilly PRO+ helps instructors increase effectiveness and efficiency in their CPR courses. Simply connect the manikins with the CPRLilly App on a tablet to follow each trainee's individual CPR performance and deliver objective feedback. The student view of the App enables trainees to see and monitor their own performance in real-time.

LED lights located directly on manikin's neck provide direct CPR feedback and indicate correct compression parameters (depth, release and rate).

Quality CPR Feedback:

- Compression depth, rate, and fraction
- Chest release
- Jaw thrust and head tilt control
- Correct hand placement
- Appropriate ventilation volume

CPR Training Manikin Features:

- Made in Germany of extremely durable, latex-free material
- Face masks and lungs bags can be changed without tools
- Easy to clean with hygienic airway system
- Runs quietly and with efficient power usage

Light Skin 1022071
Dark Skin 1017775

20



Head tilt and jaw thrust indicator



Palpable carotid pulse



Lights indicate correct CPR performance



GET READY BEFORE YOUR PATIENTS ARRIVE

Train patient care skills on realistic simulators to get your team ready. Use simulation-based scenarios and enable your trainees to gain experience and confidence in basic to advanced skills they will need to master every day in their professional life.

3B Scientific, iSimulate and Cardionics offer a complete suite of simulators and task trainers that will help you elevate your training to the next level of realism.

► BUILD AND EVALUATE ADVANCED PATIENT CARE AND NURSE AID COMPETENCIES WITH SCENARIO-BASED SIMULATION TRAINING!



PATIENT CARE MANIKIN PRO P10/1

This Patient Care Training Manikin is a must have in the training lab. Simulating an adult, life-size patient with interchangeable genitals, it can be positioned like a real patient with natural movement of the extremities. Latex-free, made of durable, unbreakable, and water-resistant plastics for longevity in the everyday training use. Meets the OBRA requirements of Nurse Aide Training and Competency Evaluation Programs (NATCEP).

Train and evaluate clinical nursing and patient care skills with this dependable manikin:

- Patient and personal care like bedside care, hygiene, bandaging, wound care, transfer skills and many more
- Medical care like prevention of bedsores, ventilation, tracheostomy care, injections and many more
- Clinical skills like catheterization, enema administration, gastric lavage or irrigation of bladder

1018816

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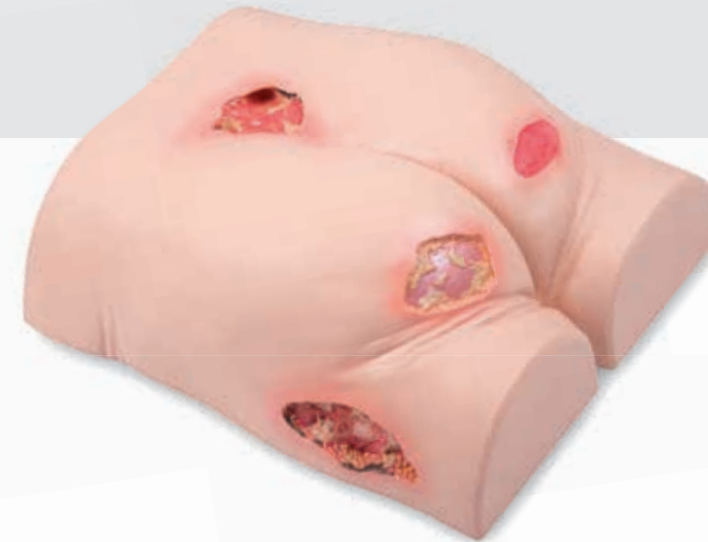
DIABETIC FOOT TREATMENT TRAINER P14

The after-effects of diabetes mellitus can result in defects and pressure points in the foot area. In this skill trainer, a gangrenous alteration on the big toe of the right foot has already spread from the back of the foot to the metatarsal.

- A mal perforans (trophic ulcer) is visible on the sole of the foot (plantar)
- A stage III pressure ulcer is depicted in the heel area
- A complete skin layer is lost and the subcutaneous tissue is damaged up to necrosis

1018815

► LATEX-FREE AND EXTREMELY REALISTIC DECUBITUS SIMULATOR



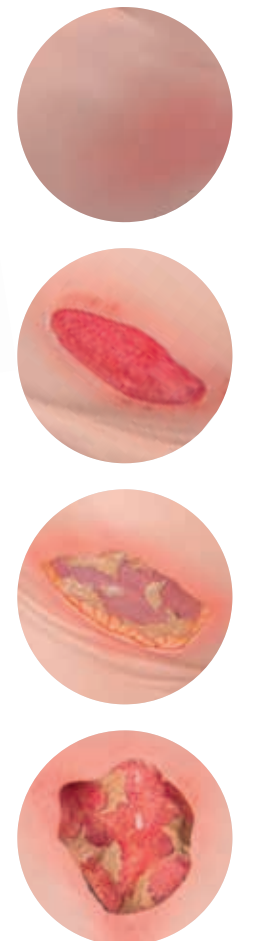
DECUBITUS TRAINER P15

Realistic and latex-free simulator to train wound care, classification, staging and assessment skills of pressure ulcers.

Includes the following, realistically simulated stages of Decubitus:

- Decubitus Stage I (greater trochanter): 6 x 3 cm
- Decubitus Stage II (buttocks): 7 x 6 cm
- Decubitus Stage III (buttocks): 6.5 x 7.5 cm
- Decubitus Stage IV (greater trochanter): 10 x 4.5 cm

1019698





➤ NOW AVAILABLE WITH ADDITIONAL AUSCULTATION SOUNDS, ECG WAVEFORMS AND REDESIGNED GARMENT!

BIONIC HYBRID AUSCULTATION SIMULATOR™ (BHS)

All-in-one solution for standardized patient scenarios as well as manikin-based practice now upgraded with additional sounds, ECG waveforms and redesigned functional Shirt. The Bionic Hybrid Simulator™ and SimBP™ Simulator for Blood Pressure can be worn to simulate physiological conditions to test diagnostic and procedural skills. They are controlled wirelessly with easy-to-use software and offer the instructor access to the large sound library by Cardionics. Pre-recorded ques are remotely activated from the SimScope™ software and played into the ear buds worn by a Standardized Patient.

Additional Features:

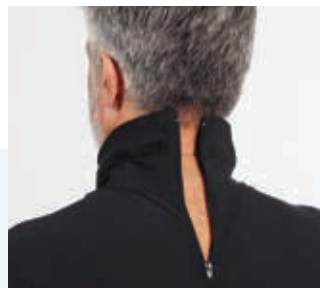
- Includes SimBP™, 5-wire EKG connections, carotid and radial pulses as well as auscultation via the SimScope™ stethoscope
- Instructors can adjust the scenarios to fit many conditions
- Capable of recreating many simulated medical situations to supplement almost any curriculum
- Enhances the exam performance by responding in real time to diagnosis and treatment
- Reusable and washable (30°C), available in different sizes
- Delivered with easy to transport hard carrying case

Size XL 1022275
Size XXL 1022278

Take a sneak peek into some of the BHS refinements!



Vibration-based carotid and radial pulse fixed to the shirt



Zipper along the back to increase neck hole size



Adjustable straps on the sides for an improved fit

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WEARABLE SIMULATORS TAKE STANDARDIZED PATIENT TRAINING TO THE NEXT LEVEL.

➤ NOW INCLUDES AN EXPANDED AUSCULTATION LIBRARY!



SIMSHIRT® SYSTEM

SimShirt® is a wearable simulator and works together with the SimScope® training stethoscope. With RFID sensor tags woven precisely into the fabric of the SimShirt®, students will auscultate at anatomically-correct locations every time, anteriorly and posteriorly. A pre-selected sound will play as soon as the SimScope® stethoscope's chest piece is navigated onto one of anatomically correct locations on the garment. Includes a tablet with pre-installed software. Reusable, washable (30°C) and available in different sizes.

Size XL 1022828
Size XXL 1022829



➤ SIMULATION STETHOSCOPE WITH ADVANCED SENSOR TECHNOLOGY

AURiS SIMULATION STETHOSCOPE FOR AUSCULTATION TRAINING BY iSIMULATE

This simulation stethoscope is connected wirelessly with a mobile device and controlled via the AURiS app. The main menu allows you to create, change and save scenarios, as well as to manage the stethoscope. The AURiS app is available in your App store for iPhone®, iPad®, and iPod® touch.

- Realistic stethoscope and real sounds Heart, lung, bowel and bruit sounds all included
- The student only hears sounds when the stethoscope is placed on a body
- Realistic look and sound
- 22 heart and 13 lung sounds
- Bruit and bowel sounds
- Custom scenarios can easily be added



1022744



➤ ALL CARDIONICS AUSCULTATION SOLUTIONS NOW INCLUDE A COVID-19 SOUND!

SAM 3G®

Student Auscultation Manikin with Real Sounds, Case Videos and Echocardiograms used with any Clinical Stethoscope

With the training manikin SAM 3G®, Cardionics has taken student engagement in auscultation education to the next level. The popular SAM 3G® has palpable pulse and comes with 24 case videos, 12 echocardiogram videos and EKG waveforms of every heart sound. Additionally it is available in 7 languages: English, French, German, Polish, Portuguese, Russian and Spanish. Combined with the included Lesson Guide and phonocardiograms for each sound or condition, students will have access to everything they need to master their auscultation skills.

- Comprehensive auscultation library consisting of 34 heart sounds, 11 heart-lung combinations, 45 lung sounds, 11 bowel sounds and 4 bruit sounds
- 24 real sounds, 24 case videos and 12 echocardiogram Videos incorporated into the software
- ECG waveforms for all heart sounds
- Palpable carotid pulse
- Delivered with a laptop with pre-installed software and lesson guides for each condition
- Software available in 7 languages: English, French, German, Polish, Portuguese, Russian and Spanish

Light Skin 1021554
Dark Skin 1022396

SAM II®

Student Auscultation Manikin used with any Clinical Stethoscope

This Student Auscultation Manikin is an innovation in teaching and learning heart, lung & bowel sounds. While SAM II® is used in many simulation centers, it is also easily moved into a classroom or auditorium for group instruction. The computer software interface is easily projected into any smart classroom. The software includes phonocardiograms, correct anatomical locations, and written lessons for each sound. Users can setup password protected lectures for student assessment.

- ECG waveforms for all heart sounds
- Palpable carotid pulse
- Delivered with a laptop with pre-installed software and lesson guides for each condition
- Software available in languages: English, French, German, Polish, Portuguese, Russian and Spanish

Light Skin 1020095
Dark Skin 1022476

PAT®

Pediatric Auscultation Trainer used with any Clinical Stethoscope

The manikin simulates the anatomy of a child with correct pediatric auscultation sites and has been developed to be easy to operate. Out of the box, PAT® can be connected and set to teach the desired cardiac, lung or bowel sounds. The software includes phonocardiograms and written lessons for each sound. Users can setup password protected lectures for student assessment.

Light Skin 1020096
Dark Skin 1022473

PAT BASIC®

Pediatric Auscultation Trainer with SimScope® Training Stethoscope

Using PAT Basic® in combination with the SimScope® stethoscope (included) allows to auscultate the PAT® torso and practice diagnosing pediatric heart, lung and bowel disorders. SimScope® stethoscope enables wireless communication with the controller tablet, allowing instructors to change sounds on the fly.

Light Skin, with laptop 1023423 Light Skin, without laptop 1020098
Dark Skin, with laptop 1023424 Dark Skin, without laptop 1022471

SAM BASIC®

Adult Auscultation Trainer with SimScope® Training Stethoscope

This lightweight auscultation torso allows students to train the recognition of auscultation sounds associated with various disorders using SimScope®, an electronic simulation-training stethoscope. With one of the largest auscultation sound libraries available and easy-to-use software, SAM Basic® gives students and educators everything they need to actively engage in auscultation education and hands-on training.

Light Skin, with laptop 1023421 Light Skin, without laptop 1020097
Dark Skin, with laptop 1023422 Dark Skin, without laptop 1022474



➤ NOW INCLUDES AN EXPANDED LIBRARY AND LOWERED PRICE!

SIMSCOPE® STETHOSCOPE

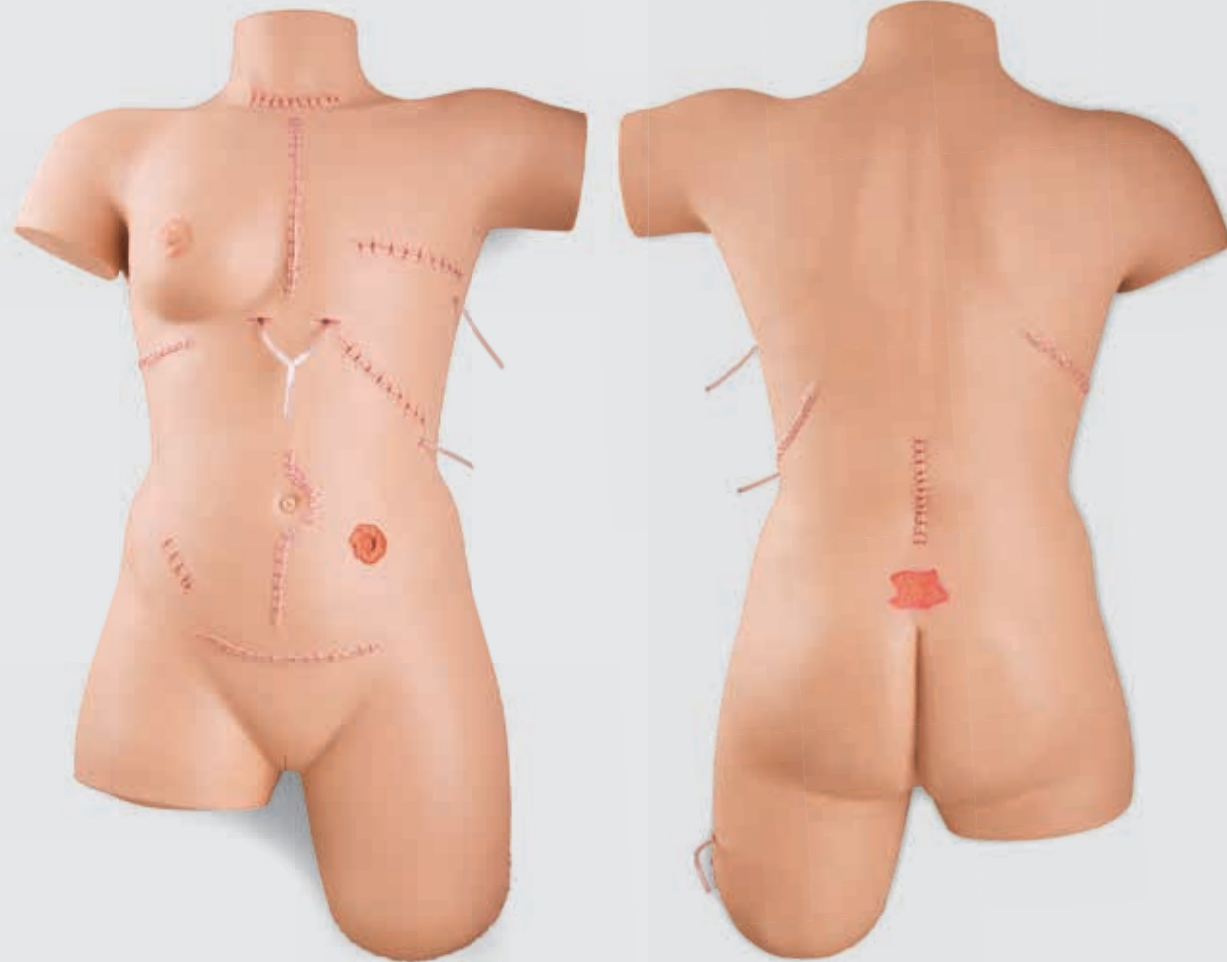
SimScope® stethoscope allows to auscultate Standardized Patients as well as manikins by placing RFID tag sensors on corresponding anatomical locations. By accessing the software, educators can pick any sound from the large Cardionics auscultation sound library, enabling their students to actively engage in auscultation practice and hands-on training. A pre-selected sound will play as soon as the trainee places the stethoscope's chest piece on one of the RFID tag locations.

Without laptop 1020104
With laptop 1023447



28

FREE ACCESS TO SAM ONLINE® FOR ONE YEAR WITH EVERY SAM 3G® AND SAM II® PURCHASE!



▶ TRAIN WOUND CARE ON A REALISTIC MANIKIN

3B SCIENTIFIC® TRAINER FOR WOUND CARE AND BANDAGING TECHNIQUES P100

Using this high quality simulator, students learn how to care correctly for their patients' wounds and can practice a wide range of dressing and bandaging techniques. The life-like skin reacts realistically to adhesives and bandages, so students can practice in conditions as close to reality as possible. Given the flexible structure of the material, students can practice putting on and changing bandages and dressings in realistic conditions.

13 wounds and drain systems resulting from surgical procedures and injuries are represented realistically on the torso with already applied wound closures (staples and sutures).

1020592

▶ APPLY THE WOUND ANYWHERE ON THIS ARM AND PRACTICE SUTURING HUNDREDS OF TIMES!

3B SCIENTIFIC® SUTURE TRAINING ARM P101

The 3B Scientific® Suture Training Arm offers the possibility for suture training that is more complex than with regular suture pads. Additionally, each wound can be sutured several times, making this trainer very economic.

- Movable fingers for suture training of challenging wounds between fingers
- Skin and subcutaneous tissue differentiated for realistic suture experience
- Wounds can be created by the instructor anywhere on the training arm
- Equipped for surgical staples procedure

1020904



30



THE PRO VERSION CAN BE USED TO PRACTICE SUPRAPUBIC CATHETER EXCHANGE AND CARE.

CATHETERIZATION SIMULATOR P93 PRO, NOW WITH SPC

Direct Learning:

- The transparent bladder makes it possible to check whether the catheter has been correctly positioned
- If catheterization has been carried out correctly, fluid will flow accordingly
- The PRO version is supplied with an anatomically realistic lower body incl. removable abdominal wall and (already punctured) puncture site

Features:

- Pliable foreskin and labia
- Complete disassembly in seconds for perfect cleaning
- Male version: 3 urethra narrowings positions

Female 1023008
 Male 1023009
 Set Male and Female 1023010



➤ AFFORDABLE SKILL TRAINER FOR REALISTIC MALE AND FEMALE URINARY CATHETERIZATION!

CATHETERIZATION SIMULATOR SET BASIC

With the basic catheterization trainer, both male and female catheterization can be demonstrated, practiced and assessed. The interchangeable genitalia are anatomically correct and made from realistic material. The foreskin and labia are soft and pliable, so that all necessary steps (like disinfecting the area) can be practiced.

- Magnetic easy-to-change genital inserts
- Easy to clean and maintain
- Transparent bladder so you can observe the success of the procedure
- Level of difficulty adjustable

Set Male and Female 1020842



Catheterization Simulator BASIC, female

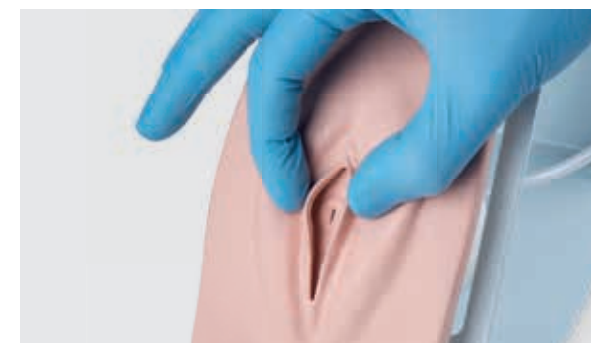
- Female catheterization with realistic resistance
- Soft and movable labia
- Liquid outflow if catheterization is successfully carried out

Female 1020231

Catheterization Simulator BASIC, male

- Male catheterization with realistic resistance
- 3 levels of adjustable narrowing of urethra
- Soft and movable foreskin
- Liquid outflow if catheterization is successfully carried out

Male 1020232



➤ I.M. INJECTION SIMULATORS WITH DIRECT FEEDBACK

INTRAMUSCULAR (I.M.) INJECTION SIMULATOR

These high-quality I.M. simulators are the ideal way to teach, learn and improve proper I.M. injection techniques. Strap it onto the upper arm, the buttocks or the upper leg to locate all necessary intramuscular injection sites or simply place them on a desk. Operates on AA batteries.

- With audio-visual feedback (correct/incorrect injection, bone contact, wrong location)
- Includes all important anatomical palpable landmarks
- Life-like silicone skin is extremely durable and can quickly be exchanged
- Use for training and performance evaluation
- Robust and easy to clean



INTRAMUSCULAR INJECTION SIMULATOR – UPPER ARM P55/1

Represents a right upper arm with all important anatomical palpable landmarks such as acromion and humerus.

1009840



INTRAMUSCULAR INJECTION SIMULATOR – UPPER LEG P56

This reproduction of a right upper leg realistically displays all of the important anatomical, palpable landmarks such as patella and greater trochanter.

1000511



INTRAMUSCULAR INJECTION SIMULATOR – BUTTOCK P57

Model of a right buttock with all important anatomical landmarks for intramuscular injections like iliac crest, anterior superior iliac spine and greater trochanter.

1000514

➤ THE AFFORDABLE TASK TRAINER FOR I.M. INJECTION TRAINING



3B SCIENTIFIC® I.M. INJECTION SIMULATOR, BASIC P54

The basic version for practicing intramuscular injections with fluid up to a depth of 50 mm right from the beginning. Enables students to practice carrying out intramuscular injections cost-effectively and to repeat the procedure again and again.

- Practice intramuscular injection repeatedly
- Quick-change skin pads that can be pierced multiple times
- Easy to clean and dry

1010008

➤ PERFECT VOLUNTEER TO PRACTICE I.V. INJECTION



I.V. INJECTION ARM P50/1

This injection arm made of 3B Scientific® SKINlike™ silicone allows realistic, hands-on training to develop competence in medical staff. This material is of highest quality, stain resistant and easy-to-clean.

- Ideal for practicing Intravenous injections on the arm
- Correct puncture of peripheral veins for blood sampling (basilic vein, cephalic vein, median cubital vein, dorsal venous rete of hand)
- Positioning of a butterfly catheter
- Includes a stand, 250 ml artificial blood concentrate, 2 replacement tubing systems, infusion bottle, syringe and deluxe storage

Light Skin 1021418
Dark Skin 1023311

➤ ADD BLOOD PRESSURE TO YOUR IV TRAINING!



IV INJECTION ARM AND SIMBP™ SIMULATION KIT

The SimBP™ Simulator for Blood Pressure is a reliable instrument for measuring blood pressure. It provides accurate systole and diastole readings and works with the SimScope® stethoscope (included).

3016565

3B SCIENTIFIC® SONOtrain™ ULTRASOUND TRAINER

The material of the SONOtrain™ trainer simulates the feel of real soft tissue for carrying out palpations and injections and shows realistic texture and echogenicity on ultrasound images. The SONOtrain™ trainer is an excellent teaching tool for basic training and for improving dexterity and hand-eye coordination skills.

- Each individual unit is completely self-contained and can be used out of the box
- Units are stackable to save space
- Self-sealing for repeated use and therefore cost effective
- Replacement blocks and all accessories are available separately
- The 3B Scientific® SONOtrain™ series has been designed and developed in Germany

▶ ECONOMIC ULTRASOUND TRAINING SET FOR MEDICAL SKILLS LABS

SONOtrain™ VEIN MODEL

Ultrasound block with three blood vessels with diameters of 4, 8 and 15 mm with adjustable fluid flow. Punctures and injections possible, and self-sealing injection channels.

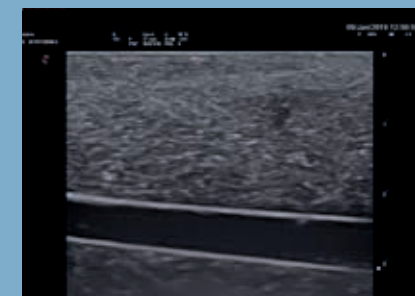
1019637



SONOtrain™ BREAST MODEL WITH TUMORS

Realistic reproduction of a breast made from ultrasound material with three tumours for realistic punctures and biopsies.

1019635



Copyright Dr. Mario Sica

More SONOtrain™ models include:

- | | |
|------------------------------------|---------|
| SONOtrain™ Vein Model | 1019637 |
| SONOtrain™ Foreign Body Model | 1019636 |
| SONOtrain™ Gallbladder Model | 1019638 |
| SONOtrain™ Breast Model with Cysts | 1019634 |

➤ IMPROVE OUTCOMES OF SPINAL INTERVENTIONS WITH STANDARDIZED IMAGE GUIDED INJECTION TRAINING!

IMAGE GUIDED INJECTION TRAINERS

The 3B Scientific® Image Guided Spinal Injection Trainers enable trainees and course participants to develop a three-dimensional understanding of the procedures for successful spine interventions. They will learn to correlate imaging with the spinal anatomy relevant to interventional pain procedures, identify the target tissue and vulnerable structures using imaging and anatomic inspection, and to apply best practices to ensure patient safety during the interventional spine procedures.

Developed in cooperation with Dr. Markus Schneider, Bamberg

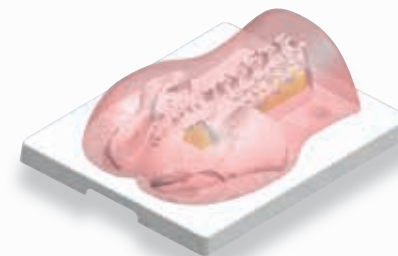
- Life-like radiopacity for realistic X-ray images
- Realistic injection haptics with self-sealing material
- Anatomically accurate bone structure
- Visually identifiable landmarks
- Completely portable with a secure transport box



38

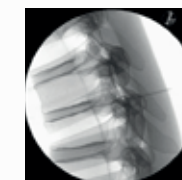
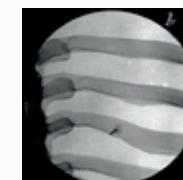
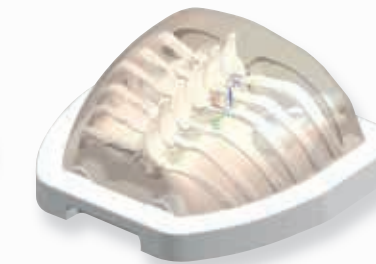
LUMBAR SPINE P65

1021898



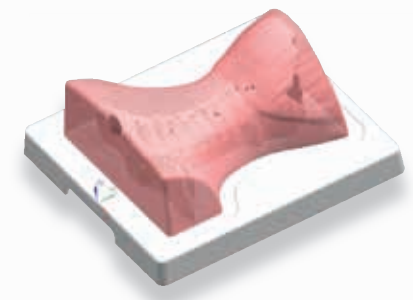
THORACIC SPINE P66

1021899



CERVICAL SPINE P67

1021900



References: Instrumentarium Imaging ZIEHM VISTA • Max KVP: 110KV, Total filtration 4.0 mm AL • Focal spot: 0.5/1.5

➤ A LEAP FORWARD IN ANESTHESIA TRAINING!

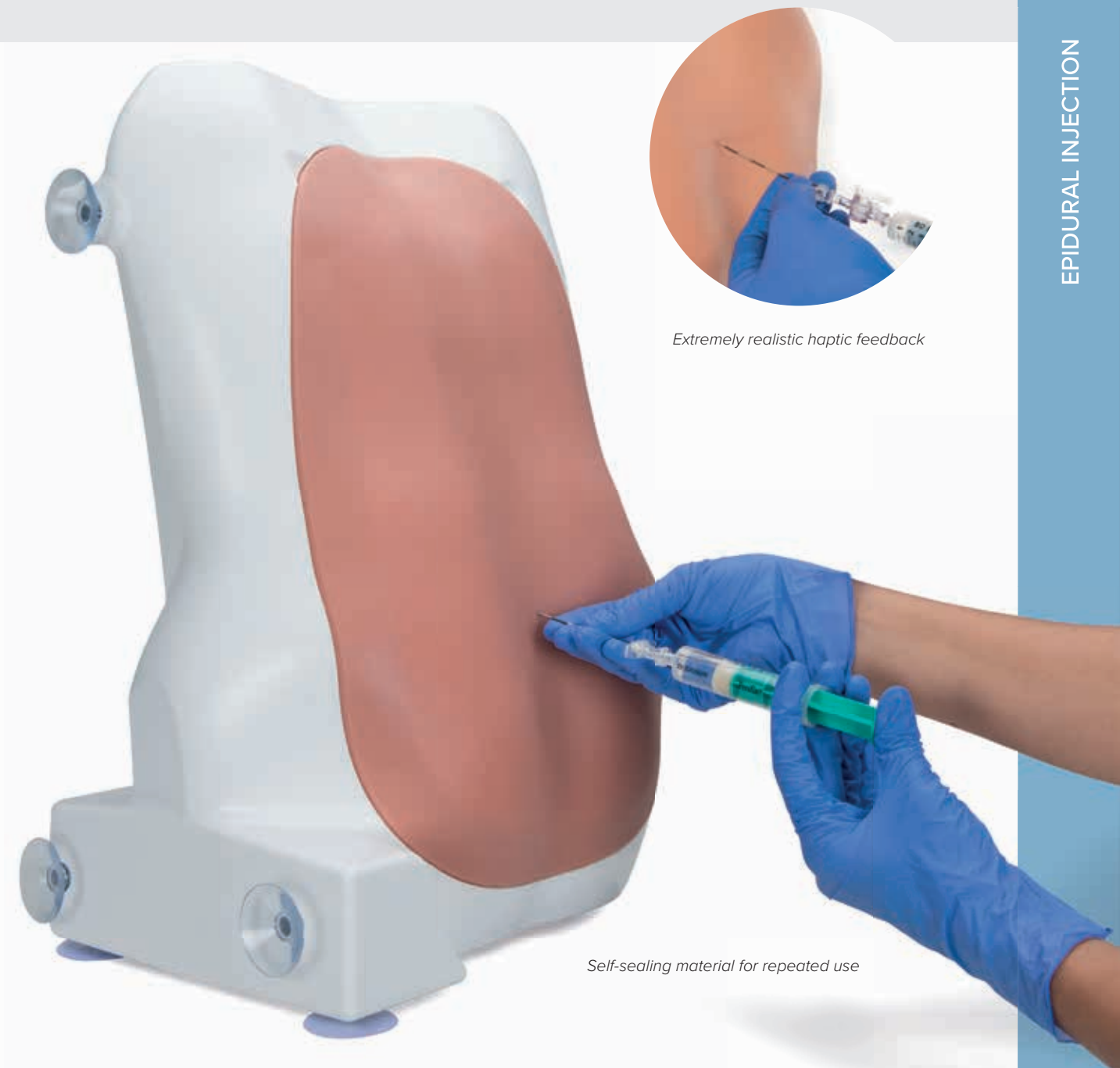
EPIDURAL AND SPINAL INJECTION TRAINER P61

Train the localization of the epidural space without ultrasound to administer epidural and spinal injections. You can easily adjust the trainer to simulate different pathologies. Training with realistic haptic feedback and correct anatomical landmarks is the basis for a successful preparation for real-life cases.

Training features:

- Realistic anatomical landmarks for assessing the correct insertion point
- Loss of resistance (LOR) syringe technique through realistic haptic feedback
- Hanging drop method: the negative pressure in the fluid filled spinal canal can easily be adjusted
- An epidural catheter can be inserted into the epidural space
- Spinal anesthesia training with realistic resistance of the dura and arachnoid mater with or without a cannula

1017891



➤ ADD THIS NEW GERIATRIC LOR INSERT FOR ADDITIONAL TRAINING POSSIBILITIES:

Simulates the typical spine deformation of an elderly patient:
Optional Geriatric insert to complete your epidural and spinal skill training

1020800



OBSTETRICS

Medical Simulation in the training of obstetric emergencies is an effective tool to improve knowledge, technical skills, teamwork and structured communication and is used in obstetric emergency skill training programs. Obstetric simulation is used to practice delivery skills and emergency interventions with the goal to lower the mortality rate during birth. The scenario based obstetric training includes normal deliveries, common complications during delivery, as well as obstetric emergencies:

- Evaluation of the Baby's position and presentation
- Diagnosis of complications
- Interventions for shoulder dystocia and breech deliveries
- Manual maneuvers like Ritgen or Leopold
- Cesarean sections
- Complete and incomplete placenta birth
- Medical interventions before, during, and after the delivery
- Pre- and post-natal care

3B Scientific, iSimulate and Operative Experience offer many different obstetric simulators and birthing phantoms as well as newborn manikins to practice neonatal resuscitation. All medical staff that is involved in obstetrics – doctors, nurses, and midwives – benefit from obstetric simulation as such, but also from training together as a team.



▶ THE WORLD'S MOST NATURAL AND REALISTIC VAGINAL BIRTHING SIMULATOR

REALMOM™ 2.0 BIRTHING SIMULATOR

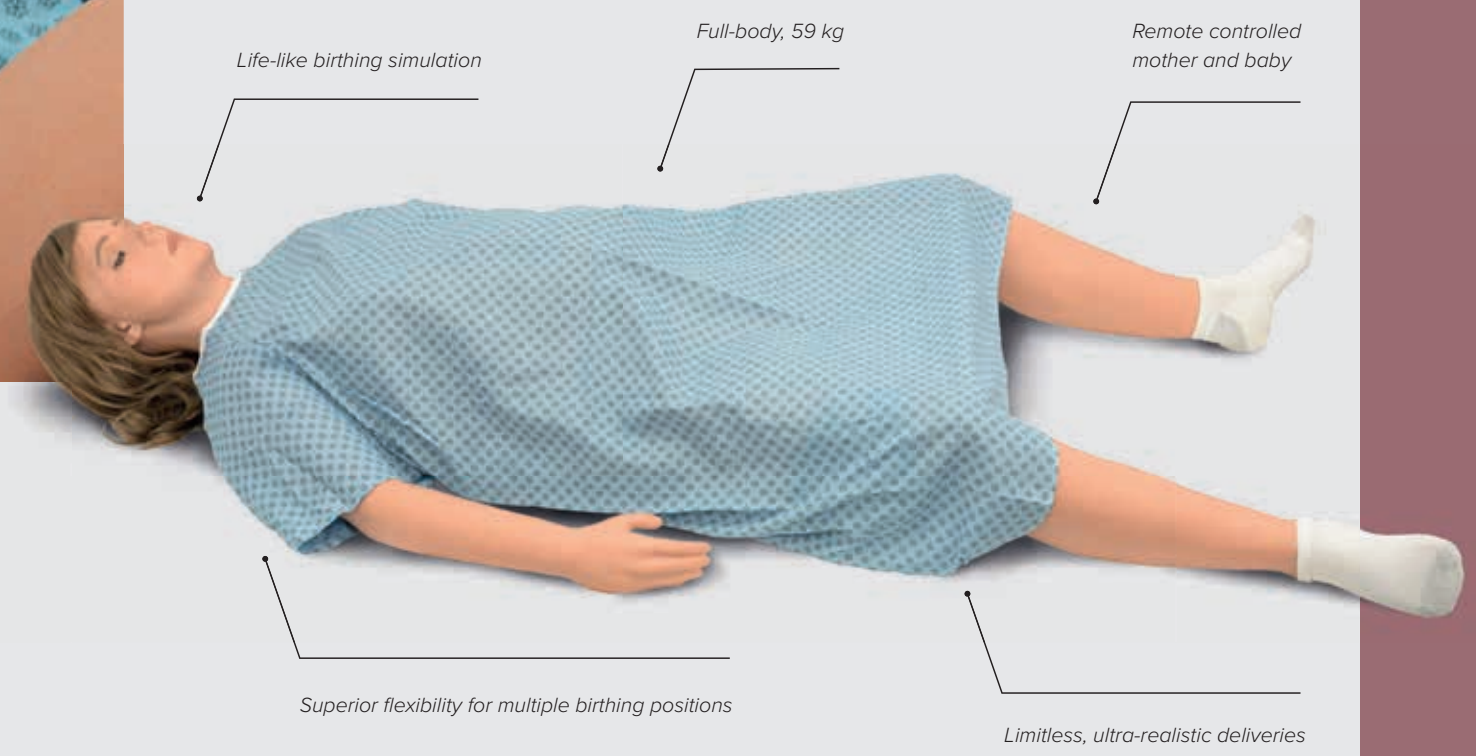
For Realistic Obstetrics Training

New and improved with full range of deliveries including breech, shoulder dystocia, cord prolapse, forceps and vacuum assist and the possibility to practice multiple birthing positions. Tablet and software included.

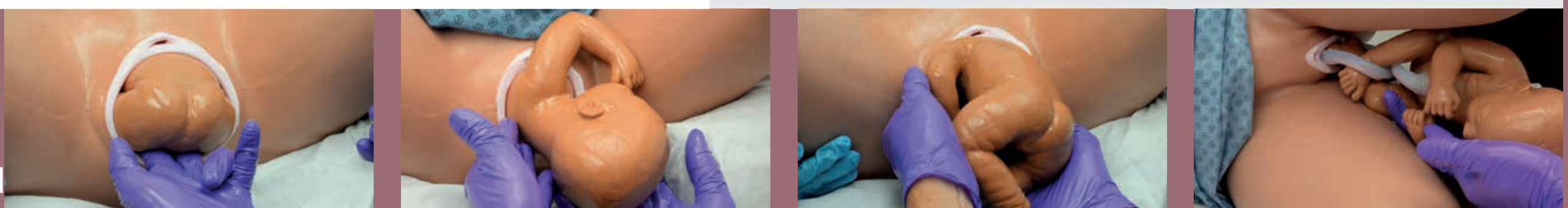
The benefits of using RealMom 2.0 Birthing Manikin:

- Vaginal delivery training
- Remote controlled birthing scenarios
- Postpartum Hemorrhage Control
- A birthing manikin for realistic vaginal delivery training
- Easy to set up – ready to use

1022179



AVAILABLE IN DIFFERENT SKIN TONES.



C-CELIA™ EMERGENCY OBSTETRICS SUITE

Obstetric surgery skills and procedural training can be true-to-life with the C-Celia suite of five birthing simulators. The materials used in the simulator feel life-like (no hard plastics), are very durable and easy to clean.

The unprecedented anatomical and surgical fidelity of the soft tissue used will provide the most comprehensive training experience for mastering:

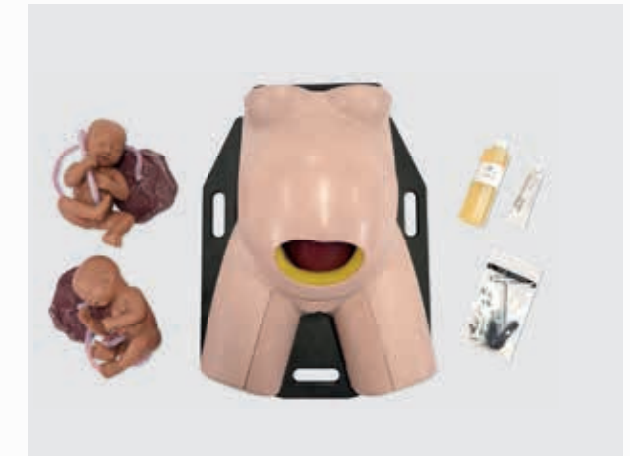
- Cesarean Deliveries
- Difficult Fetal Extraction
- Postpartum Hemorrhage Control
- Emergency Hysterectomy

➤ BE READY TO DISCOVER THE WORLD'S ONLY
BIOFIDELIC TECHNOLOGY THAT DELIVERS A TRUE
HANDS-IN-THE-BODY SURGICAL EXPERIENCE



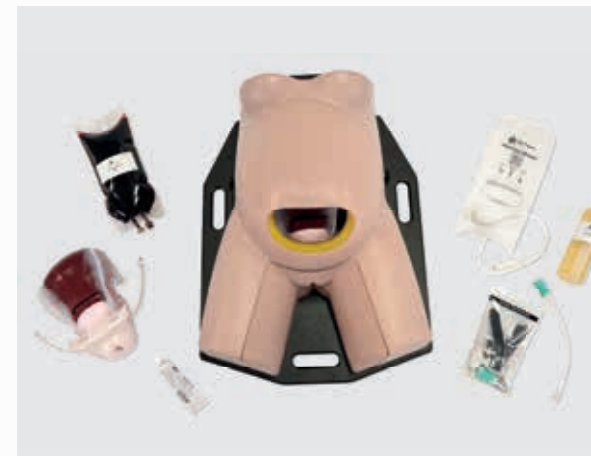
Emergency C-Section & Delivery Trainer

1022567



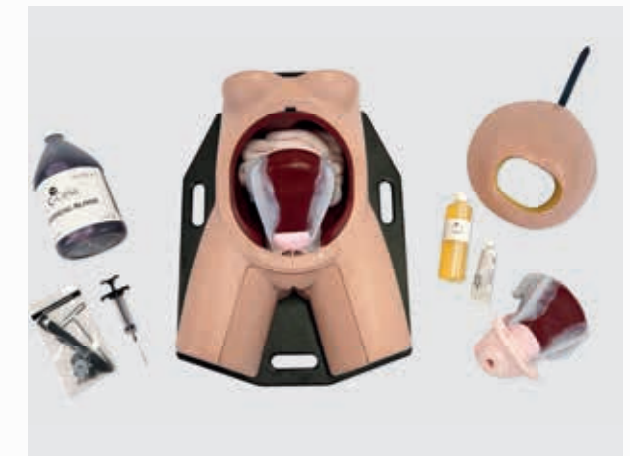
C-Section Fetal Extraction Trainer

1022559



Postpartum Hemorrhage (PPH) Control Trainer

1022561



Cesarean Emergency Hysterectomy Trainer

1022564



SIMone™ BIRTHING SIMULATOR FOR ADVANCED TRAINING

The simulator presents the haptics required in order to perform the instrument-assisted delivery in the correct manner: presentation data, placement of the forceps and extraction, taking care of the head of the infant and the maternal soft tissue. The monitoring software provides information in response to the manipulation of the fetal head in the context of force-feedback. Realistic speed and resistance are simulated during delivery.

- 14 interactive birthing scenarios
- Adjustable all-in-one touchscreen PC
- Easy to move
- Highly flexible and robust vulva insert
- Electrical height adjustment
- Practical storage unit

1019599

Train realistic and interactive high-stress scenarios for vacuum and forceps delivery:



Easy to clean genital insert








Forceps delivery



Vacuum-assisted delivery

SIMULATE HIGH-STRESS BIRTHING SCENARIOS WITH THE AWARD-WINNING SIMone™

Examples of interventions and findings:

								
Body Temperature	Blood Pressure	Laboratory Values	Amniotic Fluid Quantity	Urine Screening Test	Fetometry	Placenta Examination	Ask the Patient Questions	Send Patient Home

Medicinal options:

								
Misoprostol	Prostaglandin	General Anesthetic	Paracetamol	Methyldopa	Ceftriaxone	Ringer Solution	Ringer Solution	NaCl



➤ A HIGHLY ADVANCED AND REALISTIC FETAL HEART RATE MONITOR SIMULATOR



FETAL HEART RATE MONITOR SIMULATOR CTGi

The ease of use and intuitiveness of CTGi helps facilitate in-situ training requiring cardiocotograms (CTG's). Aiding midwives and obstetricians for training in the assessment of fetal wellbeing and the detection of hypoxia. By mimicking fetal heart rate patterns, health professionals are able to gain vital experience in the interpretation of traces and practise life-saving interventions.

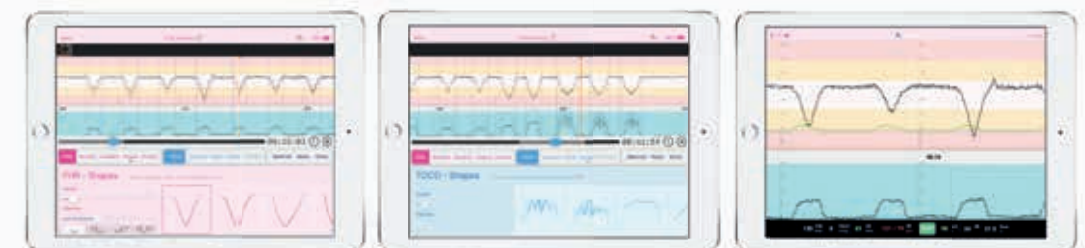
Train realistic and interactive high-stress scenarios for vacuum and forceps delivery:

- Haptic response technology
- Visual and audio interface
- Full debrief for optimal learning effect
- Multi-dimensional learning techniques are combined to assure a maximum effect!

CTGi creating realistic traces with exceptional detail:

- Add decelerations, accelerations and contractions within minutes
- Complements birthing simulators to create high fidelity simulation
- Pause, rewind and fast forward with a swipe
- Manage maternal vitals
- Portable CTG training system

1022818



Fetal Heart Rate

Tocograph

Monitor

50

OBSTETRIC SIMULATION TO ENHANCE TRAINING EFFECTS

BIRTHING SIMULATOR P90 PRO

The birthing simulator offers extremely realistic training features. It was developed specifically for the skill training of normal and complicated deliveries as well as for obstetric emergency training.

Assessment and manipulation of fetal positions:

Using the simulator, trainees will learn how to detect abnormal positions and presentations, and how to use manual techniques to assist the birthing process. Training of manual birthing maneuvers (like Leopold or Pinard's) can be trained so that correct measures will be applied during complicated deliveries. Furthermore, the trainee will learn when to apply obstetric emergency interventions (like a cesarean section).

1022879



BIRTHING SIMULATOR P90 BASIC

The 3B Scientific® Birthing Simulator P90 BASIC has been developed for the skill training of normal deliveries, complicated deliveries and in obstetric emergencies. Obstetric simulation has proven successful to enhance the training of delivery skills, following of protocols and reaction in emergency situations. The BASIC version of the Birthing Simulator offers all features of the PRO version but comes with a pre-cut cesarean insert and a BASIC birth canal. It does not include an amniotomy insert nor an inflatable uterus for Leopold.

1022878

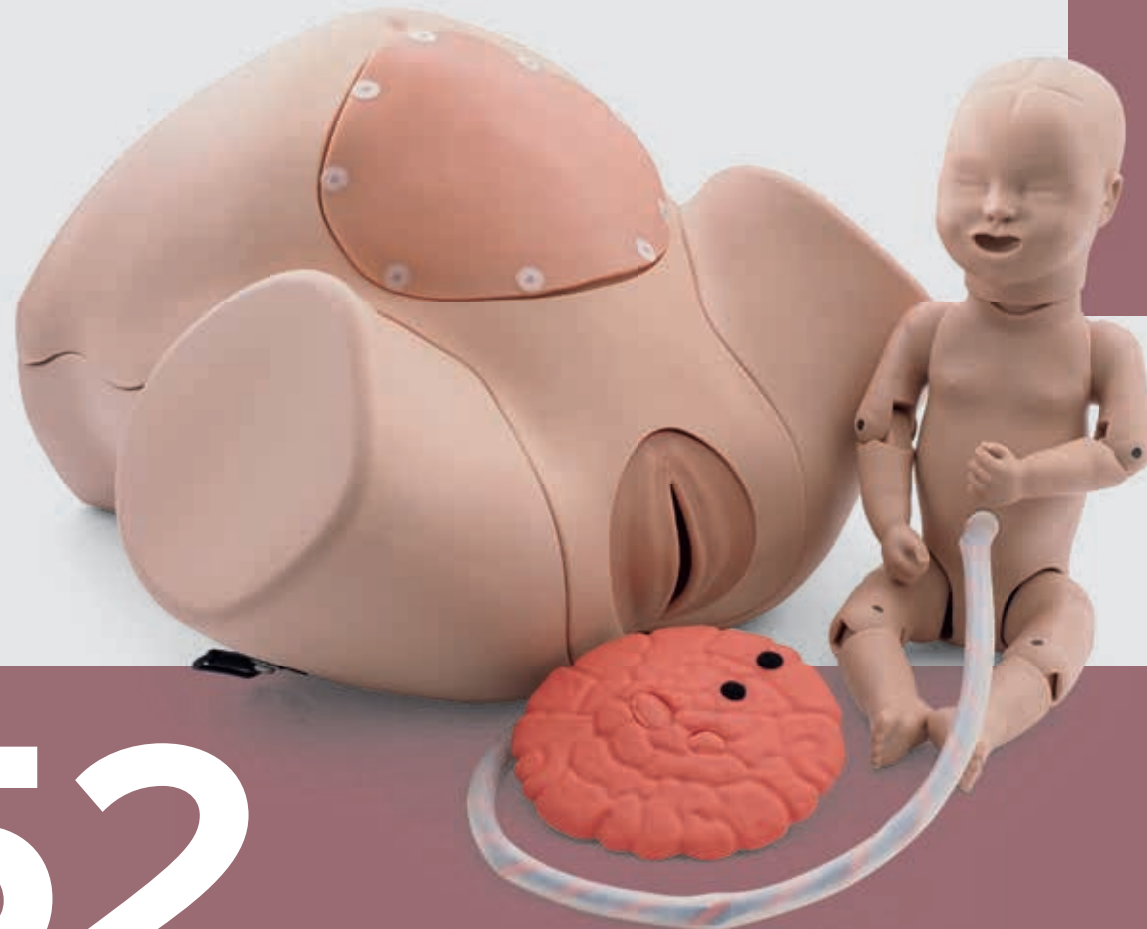


The 3B Scientific® Birthing Simulator P90 BASIC can be upgraded to the PRO version with the Upgrade Kit.

UPGRADE KIT FOR 3B BIRTHING SIMULATOR BASIC

You can extend your birth simulator, P90 Basic, with this upgrade kit, to offer all the training features of the Pro version. The following birth scenarios can be demonstrated and practiced too: C-section birth, including cutting and tearing a C-section, vertical amniotic sacs including release of the amniotic fluid, manual-diagnosed fetal positions of the baby through the abdominal wall (e.g. Leopold method).

1020337





Bimanual Compression realistic simulation of an atonic uterus

Realistic post-delivery cervices

Blood loss identification

PPH TRAINER P97

The PPH trainer from 3B Scientific® is designed to be an affordable, versatile and realistic training tool, which will enhance the competence and the confidence of the healthcare professional providing postpartum care and managing postpartum bleeding.

Multi-dimensional learning techniques are combined to assure a maximum effect. The PPH Trainer P97 will be useful for training the following procedures:

- Delivery of placenta, also incomplete
- Identification of the blood loss nature: uterus, cervix, vagina
- Visual estimation of the blood loss volume
- Atonic uterus management
- Practice the fundal massage
- Perform bimanual compression
- Practice catheterization

Features:

- Adult size lower torso with accurate anatomy, including ischial spines, pubic bones and sacrum for a realistic examination
- Adjust easily uterine tone with the pump attachment

1021568



EPISIOTOMY AND SUTURING SIMULATOR P95

Life-like texture and separate skin and muscle layers for very realistic training of suturing techniques for episiotomies as well as vaginal and labial tears. The trainee will gain experience in instrument handling as well as suture techniques and tying knots.

With this trainer, taking care of the following birth injuries can be practiced and demonstrated:

- Median episiotomy
- Mediolateral episiotomy
- Lateral episiotomy
- Vaginal tears
- Labial tears

1019639



BIRTHING STAGES TRAINER P94

Determine the labor progress using 6 pelvic inserts with various levels of cervical dilation and effacement. The inserts can be used both as stand-alone trainers and as an extension module for the Birthing Simulator P90 (see page 52).

The benefits of using Birthing Stages Trainer P94:

- The trainer consists of a set of 6 different pelvic inserts with realistic anatomical details.
- The inserts look the same from the outside and the birthing stations can only be identified by examination or by reading the number written on the back of the trainers.

1020628



Cervix closed (0.5 cm), level -2



Cervix open 3 cm, half effaced, level -2



Cervix open 10 cm, effaced, level 0





➤ PERFECT HANDS-ON ADDITION TO ANY GYNECOLOGICAL SKILLS CURRICULAM

GYNECOLOGIC SKILLS TRAINER P91

The Gynecologic Skills Trainer P91 is a full-sized, adult lower torso made of 3B Scientific® SKINlike™ high-quality silicone for a realistic look, feel and texture in addition to a life-like softness offered during palpation. It is a new versatile training tool designed to add hands-on experience for learners practicing gynecologic skills.

- Soft abdominal cover allows bimanual palpation of normal and abnormal uterus
- Offers realistic flexibility of the vaginal wall
- Seamless, flexible skin for practice of speculum placement
- Urethra built for catheterization simulation with CH 14 catheter
- Use easy interchangeable cervixes for visualization with speculum
- Normal Fallopian tubes are removable and replaceable by abnormal fallopian tubes with an ectopic pregnancy

1021592



Practice didactic catheterization



Tenaculum Practice

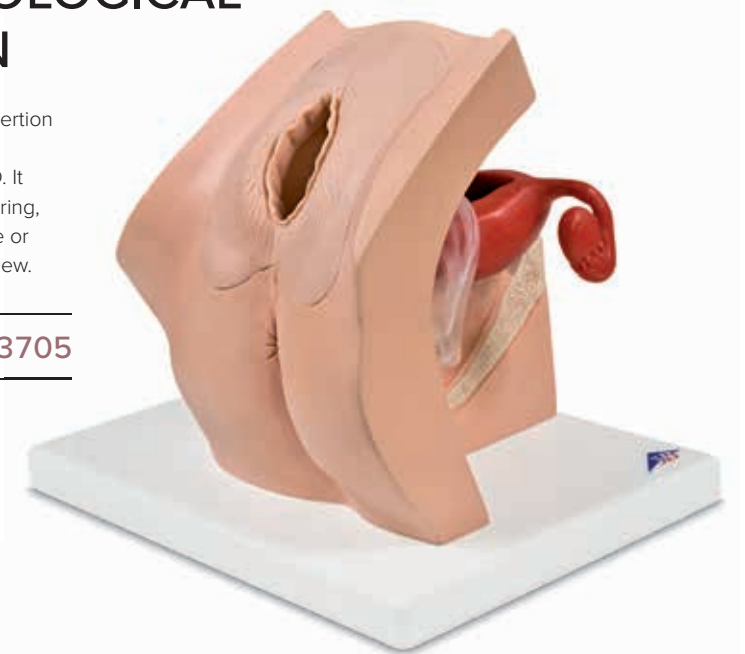


Use of real gynecologic tools

MODEL FOR GYNECOLOGICAL PATIENT EDUCATION

Ideal for demonstration purposes and for practicing insertion of female barrier contraceptive devices, including the femidom, cervical cap, vaginal ring, diaphragm and IUD. It is possible to insert various types of pessaries such as ring, bowl or cube which are used in the event of a prolapse or incontinence. Transparent part allows for clear inside view.

1013705



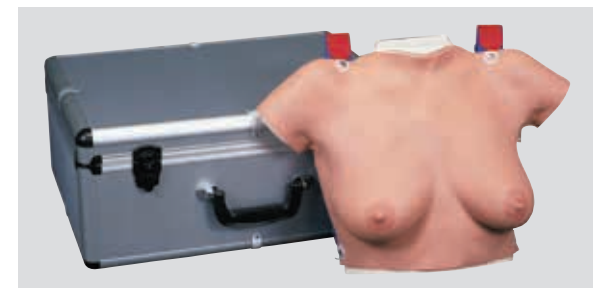
WEARABLE BREAST SELF EXAMINATION MODEL

Demonstrate realistic self-examination with this natural casting of a female upper body with C-cup breasts. It can easily be worn, in order to better train and practice breast self-examination.

- Made of Scientific® SKINlike™ high-quality silicone for a realistic feel
- Breast examination is possible in both upright and lying positions
- Benign and malignant tumors in different stages of development create an understanding of what to feel for

without Aluminium Case 1000343
with Aluminium Carrying Case 1000342

AVAILABLE IN DARK SKIN TONE





CONDOM TRAINING KIT L42

Use this model to easily teach how to use a condom safely. Realistic anatomical structures and firmness. Supplied with 12 lubricated training condoms and a carrying bag.

Light Skin Tone 1000340
Dark Skin Tone 1000341



TESTICLE SELF-EXAMINATION L60

By using 3B Scientific® SKINlike™ high-quality silicone, learning and practicing self-examination of the testicles becomes even more realistic.

The scrotum contains two movable testicles, the epididymis, and the spermatic cords for palpation. Two pathological findings can be felt in the left testicle. Supplied with detailed instructions for self-examination and a carrying bag.

1000346



➤ AFFORDABLE DIGITAL RECTAL EXAM SIMULATOR FOR CLINICAL SKILL TRAINING!

PROSTATE EXAMINATION TRAINER WITH 4 STAGES P58/1

Demonstrate and practice digital rectal examinations (DRE) with this affordable skill trainer. The trainer includes 4 different prostates to train professional palpation methods (side position or bent forward) and diagnostic skills associated with rectal examinations. The shape, position and consistency of the prostate can be assessed, allowing irregularities, induration and nodes on the otherwise smooth surface of the prostate to be felt. For reference and self-control, the trainer also includes the corresponding transrectal sonographic imaging (transrectal ultrasound, TRUS) for each stage. While in use, the prostate and the sonographic images are hidden and cannot be seen by the trainee. The compact shape of the DRE Trainer makes it easy to store and the perfect skill trainer for every medical simulation lab.

Palpable Stages:

- Normal prostate
- Advanced prostate carcinoma
- Prostate carcinoma at an early stage
- Benign prostatic hyperplasia (BPH)

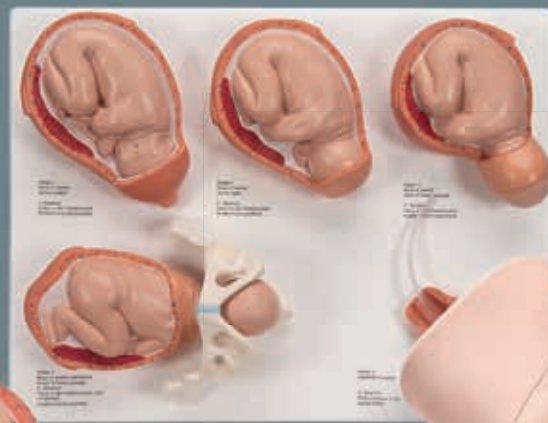
1013116



58

AVAILABLE IN DARK SKIN TONE FROM AUGUST

› SIMULATION KITS – BUY TOGETHER AND SAVE!



VG393 Labor Stages Model



P90B Basic Birthing Simulator



L11/9 Basic Pregnancy Series

OBSTETRICS LAB SET

3B Scientific now offers Simulation Kits specifically tailored by area of medical practice showing a selection on the following pages. Many more are available online. These kits combine our top-selling simulators with complementary high-quality anatomical models and charts – ideal for classrooms and patient education. These simulation kits will help teach subjects in a more comprehensive manner.

See the growth and development from an embryo to a fetus in detailed life-size models mounted together on a base. Study the stages of birth from a closed cervix all the way to the fetus navigating through the pelvis and delivery of the placenta.

- Get hands-on practice of normal and complicated deliveries with the 3B Scientific® Birthing Simulator to enhance skills training
- Great for any Obstetrics education class
- Free access to the anatomy course 3B SMART ANATOMY, hosted inside the award-winning Complete Anatomy app by 3D4Medical from Elsevier

8000877

› THE COMPLETE INTRAMUSCULAR INJECTION TRAINING KIT TO PRACTICE I.M. INJECTIONS ANYWHERE ON THE BODY!

COMPLETE INTRAMUSCULAR INJECTION TRAINING SET

Train how to locate the correct site for I.M. injections using realistic and anatomically accurate upper arm, buttock, and upper leg simulators. Feel and visualize the correct needle depth for I.M. injections to prevent bone contact in real patients.

- This kit includes the entire 3B Scientific suite of intramuscular injection simulators.
- Great for any I.M. injection training course

8000883



P56 Upper Leg I.M. Injection

P54 I.M. Injection Simulator



P57 Buttock I.M. Injection

P55/1 Upper Arm I.M. Injection

60

> GREAT FOR ANY ANESTHESIOLOGY PROGRAM!

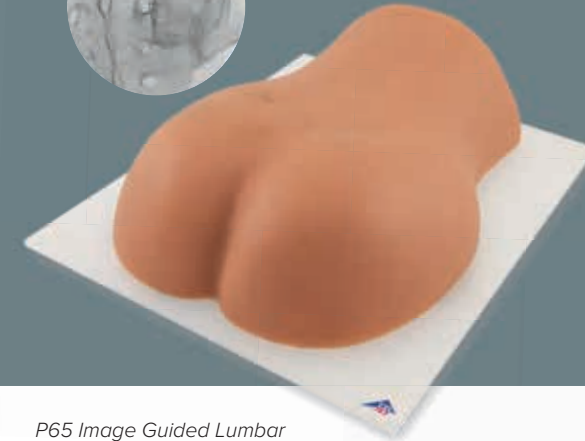
ANESTHESIOLOGY LAB SET

The anesthesiology lab kit is the ideal solution to learn and practice the correct administration of epidurals. Train identifying spinal landmarks and perform spinal injections using a simulator with the look and feel of real tissue. Review the relevant anatomy in life-size scale and accurate detail with quality anatomical models. Free access to the anatomy course 3B SMART ANATOMY, hosted inside the award-winning Complete Anatomy app by 3D4Medical from Elsevier. To unlock these benefits, simply scan the label located on your model.

8000874



A74 Lumbar Spinal Column Model



P65 Image Guided Lumbar Spinal Injection Trainer

IMAGE GUIDED SPINAL INJECTION SETS

The Image Guided Spinal Injection Trainers enable trainees and course participants to develop a three-dimensional understanding of the procedures for successful spine interventions. They will learn to correlate imaging with the spinal anatomy relevant to interventional pain procedures, to identify the target tissue and vulnerable structures using imaging and anatomic inspection, and to apply best practices to ensure patient safety during the interventional spine procedures.

Features:

- Self-Sealing material can be used repeatedly for injection training
- Life-like radiopacity for realistic X-ray images
- Completely portable with a secure transport box
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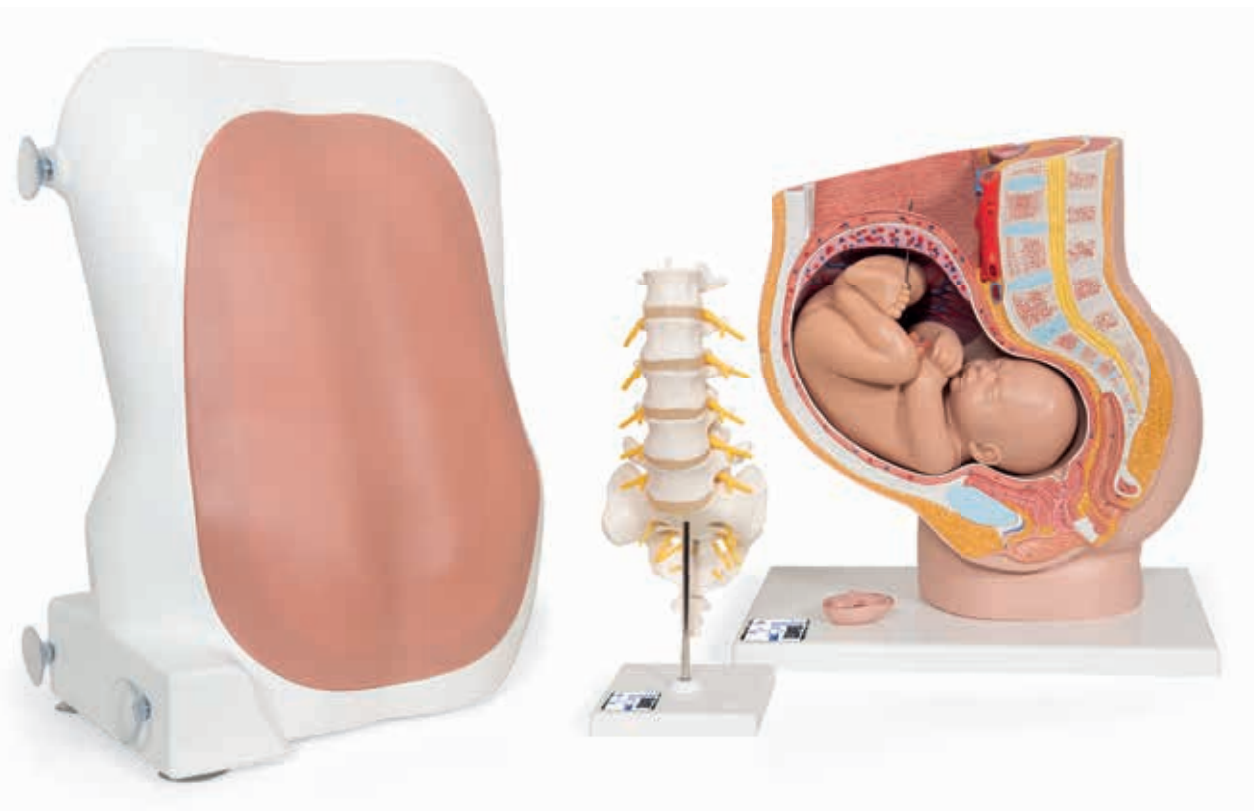
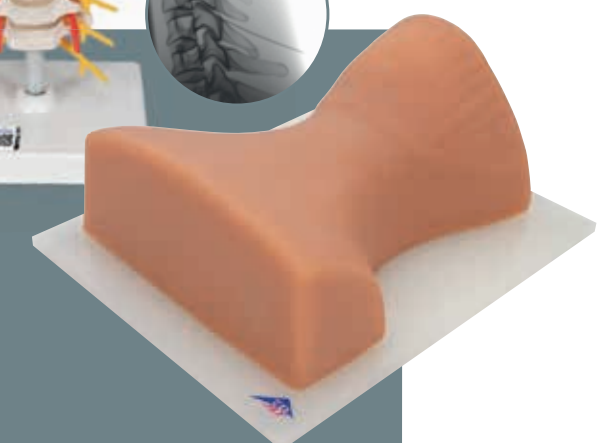
Lumbar Spine	8000890
Cervical Spine	8000891



A72 Cervical Spinal Column



P67 Image Guided Cervical Spine Injection Trainer

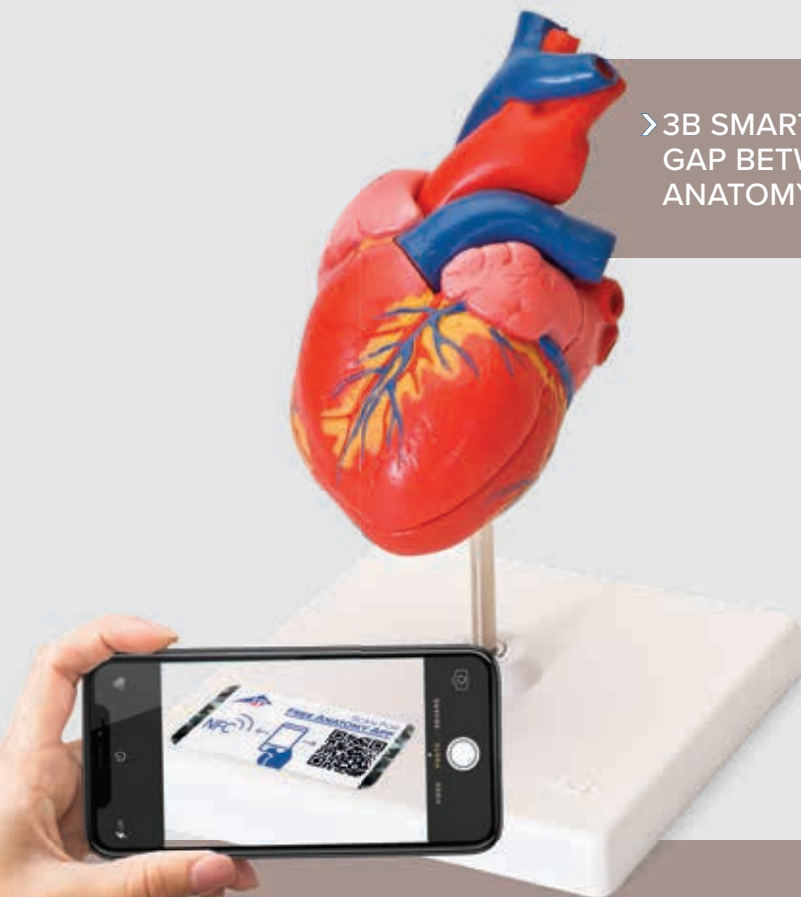


P61 Epidural & Spinal Injection Sim

A74 Lumbar Spinal Column

L20 Pregnancy Pelvis

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