



MEDICAL SIMULATION

3B Scientific Group of Companies

Find all products online at 3bscientific.com



About 3B Scientific

The 3B Scientific Group of Companies is a global leader in the manufacturing and distribution of medical simulators and educational training solutions. Based in Hamburg, Germany, with offices worldwide, we are dedicated to providing innovative training solutions that enhance customer experiences and set new standards for medical education globally.

Driven by a mission to elevate medical and healthcare education worldwide, 3B Scientific is committed to excellence. As Todd A. Murray, CEO of 3B Scientific, emphasizes: "Innovation lies at the core of our actions to continuously expand the possibilities of medical simulation, enrich educational experiences at institutions worldwide, and provide unwavering support to educators. Our commitment extends to delivering exceptional customer service and dedicated care, all while offering high-quality products at fair and accessible prices."

The 3B Scientific Group is continually growing and expanding, with a primary focus on medical simulation. We regularly introduce innovative products, offer merchandise products, and welcome new brands into our family of companies. To learn more about our group, please visit our website at 3bscientific.com.

In this catalog, you'll find a carefully selected overview of our offerings in medical simulation. You can always explore our full product range online at 3bscientific.com.

Please contact us with any questions or inquiries you may have. We are here to support you!

Your 3B Scientific Team



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3B Scientific Group: A Leading Innovator in Medical and Science Education Solutions

Founded in 1948 in Hamburg, Germany, 3B Scientific has evolved into a global leader in manufacturing and delivering medical and science education solutions. Our extensive product portfolio includes advanced equipment for simulation and skill training, anatomy, healthcare, and patient education, and is continuously updated with state-of-the-art innovations. Our **mission** is to advance medical and healthcare delivery through the quality, breadth and global reach of relevant educational and simulation products.

3B Scientific Values

- Accountability:** We personally answer to our customers in 13 different languages and follow ethical, responsible and sustainable practices around the globe.
- Boldness:** We react flexibly to our customers' requirements and so influence the landscape of the education industry.
- Collaboration:** We work with a wider network of partners and key opinion leaders to help meet our customers' goals, benefiting from our cultural diversity and our global footprint.

Strategic Acquisitions

In 2019, 3B Scientific expanded by acquiring Cardionics, a leader in auscultation simulation products, and iSimulate, known as an innovator for patient monitoring and defibrillation simulation solutions.

In 2023, the group rapidly grew with 4 acquisitions. iNNOGING introduced a new online learning platform for ultrasound training. Lifecast Body Simulation brought hyper-realistic and culturally diverse manikins for learning technical and non-technical skills. Wallcur provided a critically important solution for simulated medicines teaching safety in preparation and delivery. IngMar Medical joined the 3B group as a world leader in respiratory and ventilation training.

In 2024, Echo Healthcare with Immersive Interactive and VSI (Veterinary Simulator Industry) became part of the group bringing further culturally diverse manikins and masks and immersive training environments. Veterinary Simulator Industries develops high-fidelity animal simulators that enable veterinary students to master diagnostic and practical skills without harming live animals.

► THE 3B SCIENTIFIC GROUP OF COMPANIES IS REPRESENTED ALL OVER THE WORLD.



► ALL THESE COMPANIES WERE EARLY MOVERS AND LEADERS IN THEIR SEGMENTS. STAY TUNED FOR MORE EXCITING DEVELOPMENTS!



Advanced Life Support Training Optimized with the Atlas Family

From adult to pediatric ALS training, the Atlas family featuring Atlas, Atlas Junior, and the newest addition, Atlas Baby offers a comprehensive solution for mastering advanced life support skills. The family is wireless integrated with REALITi 360. The combination offers a complete solution for AHA/ERC compliant ALS training. Designed for realistic airway management, CPR, defibrillation, medication administration, and more, these simulators enable healthcare professionals to build confidence and expertise. This chapter celebrates the evolution of the family, showcasing its growth from adult-focused training to pediatrics training, with each addition enhancing quality and realism to meet key standards in ALS education. Truly invaluable!



NEW

Atlas Baby, The Pediatric ALS Simulator P77

Atlas Baby, the newest addition to the 3B Atlas family, sets a new standard in pediatric advanced life support (PALS) education. Designed with precision and innovation, Atlas Baby ensures a realistic, hands-on experience for healthcare professionals.

Key Features:

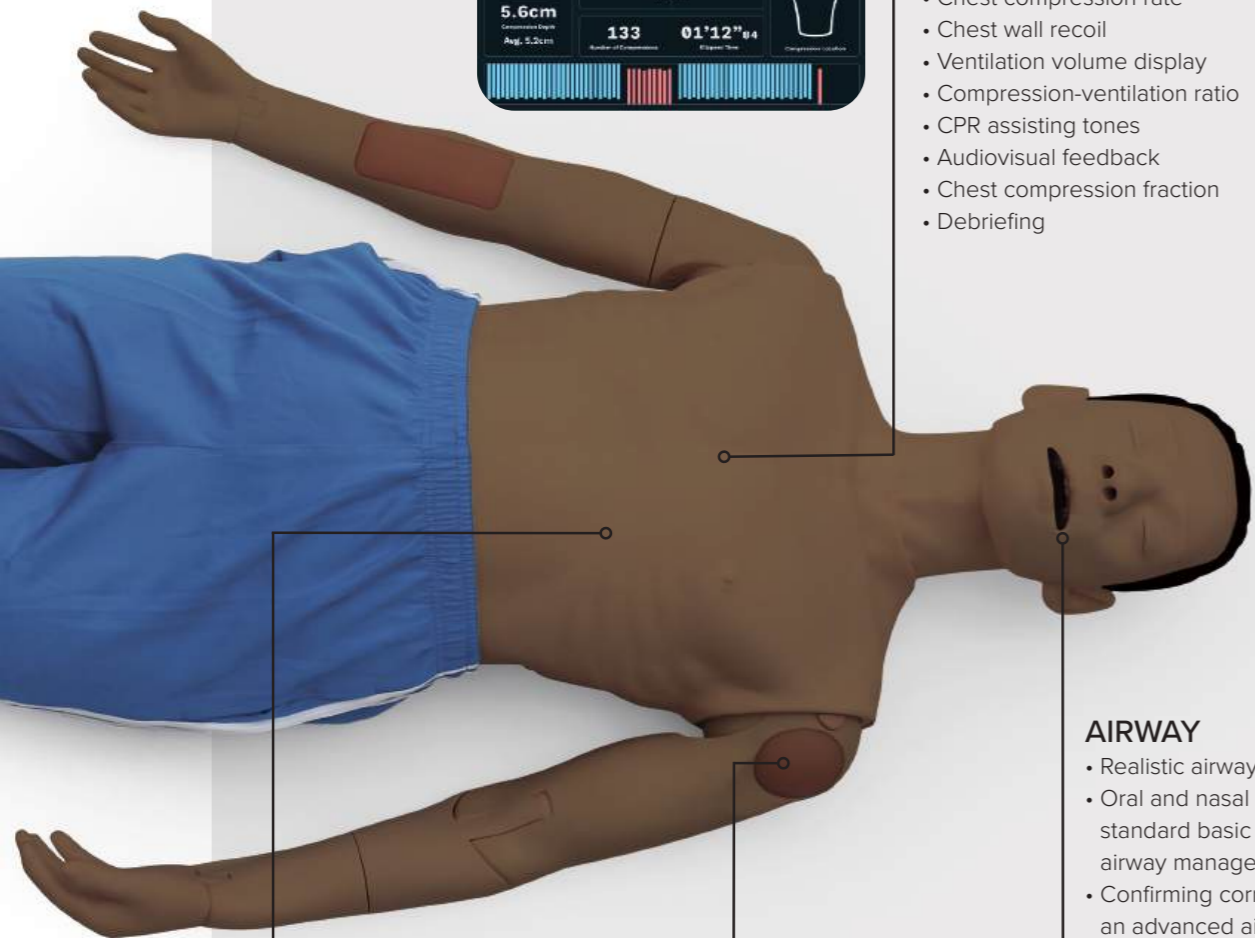
- Comprehensive Design: Intubatable head, CPR-capable chest, IV arms, IO/IM legs, and an extra umbilicus for newborn catheter insertion
- Realistic Ribcage: Unique structure allows lifelike compressions during CPR
- Anatomically Accurate Airways: Perfect for airway management training

- Wireless Integration: Fully compatible with REALITi 360, offering seamless, out-of-the-box operation
- Atlas Baby and REALITi 360 together facilitates AHA/ERC-compliant PALS training. In addition to Atlas Baby, REALITi 360 simulates real-world patient monitors, defibrillators, and ventilators. This powerful combination offers realistic training conditions to master essential life-saving skills

Unleash the power of innovation with the newest addition to the 3B Scientific Atlas family. Atlas Baby sets a new standard in pediatric advanced life support (PALS) education.

- Light Skin Tone 1025291
- Dark Skin Tone 1025292





CPR

- AHA/ERC compliant
- Real-time CPR feedback
- Hand position detection
- Chest compression depth
- Chest compression rate
- Chest wall recoil
- Ventilation volume display
- Compression-ventilation ratio
- CPR assisting tones
- Audiovisual feedback
- Chest compression fraction
- Debriefing

AIRWAY

- Realistic airway
- Oral and nasal intubation using standard basic and advanced airway management devices
- Confirming correct placement of an advanced airway (endotracheal tube) using waveform capnography
- Right stem intubation
- Esophageal intubation
- Gastric insufflation

CARDIAC

- Use with a simulated defibrillator
- Defibrillator pads placement
- 12 lead ECG print out
- 10 electrodes of ECG placement
- Assessment and treatment of more than 70 arrhythmias
- Cardioversion
- Pacing

CIRCULATORY

- IV site
- IO site
- Drug administration
- Fluid resuscitation
- Temperature management
- Adjustable BP levels (systolic/diastolic)
- Automatic carotid pulse (synchronized with ECG)
- Variable pulse rates

Atlas, The ALS Simulator P75

Atlas Adult which is the first of the family is a fully mobile, life-sized ALS manikin and designed to deliver seamless in-situ training. Combining innovative features with advanced technology. Atlas provides a comprehensive solution for mastering Advanced Life Support (ALS) skills.

Light Skin Tone 1023796 | Dark Skin Tone 1024113

Atlas Female Chest Add-On

The Atlas Female Chest Add-On allows seamless switching to a female chest skin, enabling realistic CPR training on females. It highlights the importance of training on women to ensure equal and effective lifesaving measures. This add-on is an invaluable tool for building confidence and skills in delivering CPR to female patients.

Light Skin Tone 1024557
Dark Skin Tone 1024558



NEW

Airway Management Trainer P73

The Airway Management Trainer P73 offers a realistic and durable solution for mastering a comprehensive range of airway management procedures. Designed with anatomically accurate features, it enables endotracheal intubation, the application of second airway devices and indicates potential tooth damage during laryngoscopy. It is an ideal skill trainer for performing hands-on training in airway procedures.

1026007





Atlas Junior, The Pediatric ALS Simulator P76

Though built on the same innovative design as Atlas Adult, Atlas Junior introduces specialized features for pediatric care. Modeled after a 5-year-old child and weighing just 7 kg, this life-sized manikin offers a complete solution for mastering advanced life support (ALS) skills in children. Its lightweight design ensures effortless in-situ training with precision and realism.

Additional Features Include:

- Tristate Pupillary Assessment: Normal, constricted, and dilated settings for realistic neurological evaluations
- Built-In Bluetooth Speakers: Enhance training with integrated audio capabilities
- And More: Designed to meet the unique challenges of pediatric ALS education

Atlas Junior combines innovation, practicality, and realism, making it an essential tool for pediatric healthcare training. Atlas Junior combines innovation, practicality, and realism, Setting the standard for pediatric ALS training.

Built for confidence, trusted for results!

Light Skin Tone 1024552 | Dark Skin Tone 1025235



Three options are available for combining REALITi 360 with Atlas, Atlas Junior or Atlas Baby

► YOU ONLY NEED ONE REALITi SYSTEM FOR YOUR ENTIRE ATLAS FAMILY. PICK YOUR REALITi SYSTEM, FOR MORE DETAILS SEE PAGE 16.



REALITi Go

REALITi Go – Start your simulation training with the basics

1022862

REALITi Plus

REALITi Plus – Improve your simulation activities

1022815



REALITi Pro

REALITi Pro – Enhance your simulation experience

1022816





Patient Monitoring

In January 2020, iSimulate became an integral part of the 3B Scientific Group. Today, our primary focus centers on the continuous enhancement of our feature set and the integration of a wide range of interfaces from various devices commonly used in the medical field.

iSimulate, established in 2011, was founded with a mission to deliver efficient, dependable, and lifelike simulation tools. The innovative solution they developed has transformed healthcare simulation training on a global scale.



REALiTi 360 Ecosystem

SIMULATIONS COME TO LIFE WITH THE REALiTi 360 ECOSYSTEM:

- Mimics real defibrillators, monitors and ventilators
- 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
- Enables creation of own scenarios within 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 closely mimic real user interfaces and are an essential component of the REALiTi Software from the REALiTi 360 Community platform. REALiTi 360 may be used “on the fly” or by using pre-programmed scenarios. Instructors can easily add and create their own scenarios or download free scenarios from the REALiTi 360 Community platform.

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

Hamilton T1 Ventilator
8001137



DEFIGARD Touch 7 Defibrillator
8001000



ZOLL X Advanced Defibrillator
8001205



Corpuls 3T Defibrillator
8001071



Philips Intellivue MX800 Patient Monitor
8000974



Lifepak 15 Defibrillator
8000971



► FIND THE REALi 360 KIT TO SUPPORT YOUR SPECIFIC TRAINING REQUIREMENTS:

| | REALi Go | REALi Plus | REALi Pro |
|--|--------------|-----------------|-----------------|
| Item Number | 1022862 | 1022815 | 1022816 |
| Universal (Generic) Screens – Patient Monitors, Defibrillators, AEDs and Ventilators | 6 | 6 | 6 |
| Number of Premium screens included (Zoll, Philips, Schiller, etc.) | – | 1 | 5 |
| Optional Premium Screens to choose from | 25+ | 25+ | 25+ |
| Patient Monitor Tablet (included) | iPad Air 13" | iPad Air 13" | iPad Air 13" |
| Controller Tablet (included) | iPad 10.9" | iPad 10.9" | iPad 10.9" |
| 1 WiFi Router | ✓ | ✓ | ✓ |
| 1 USB Powerbank | ✓ | ✓ | ✓ |
| 1 Simulation bag and Accessory set* | ✓ | ✓ | ✓ |
| ECG Waveforms – Rate Controllable | 80+ | 80+ | 80+ |
| 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 during CPR | ✓ | ✓ | ✓ |
| Scenario Creation | ✓ | ✓ | ✓ |
| Radiology and Patient Images | ✓ | ✓ | ✓ |
| Laboratory Reports | ✓ | ✓ | ✓ |
| Training Management System | ✓ | ✓ | ✓ |
| CPR Feedback Module | Optional | Optional | ✓ |
| Video Debriefing Module | Optional | Optional | ✓ |
| Patient Chart | 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, Ped, Neo), NIBP cuff (Adult, Ped, Neo), Defibrillator / AED pads connector and Defibrillator Pads (Adult and Ped), Disposable adult and Pediatric ECG electrodes, EtCO₂ sensor and temperature probe.

** Available on selected patient monitors and defibrillators.

SimConnect

Diversified Applications & Enhanced Realism

SimConnect enhances training with accessories for all age groups, offering real-time BVM ventilation feedback, precise respiratory rate monitoring, and CO₂ trace visualization. Pair it with the CPR Module for a complete training solution. Seamless connectivity integrates with the REALi 360 system for an immersive experience. Works with any manikin.

1024636



NOTE: SimConnect requires a REALi 360 System (1022862, 1022815, 1022816) to operate



REALi SimScope Auscultation Training Stethoscope

REALi SimScope is an electronic training stethoscope module for the REALi 360 patient monitor simulators, created to practice auscultation with standardized patients and manikins. Add the REALi SimScope to any of your REALi systems.

1022954



REALi 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 pre-hospital and hospital area.

1022862



REALi Plus

Improve your simulation activities Introduce one simulated premium screen to your training. REALi Plus is the perfect choice for introducing medical personnel to the operation and functionality of a patient monitor, defibrillator or ventilator.

1022815



REALi Pro

Enhance your simulation experience REALi Pro features 5 premium screens, offering a portable, advanced solution for medical training. It includes a comprehensive hardware and software kit for debriefing, video streaming, and training evaluation, along with a CPR module for real-time feedback on rate, depth, and recoil.

1022816



Prepared to Save Lives: Trauma and Surgery Training

In the critical moments when precision and preparedness make the difference between life and loss, mastery of trauma and surgical interventions is paramount. This chapter delves into state-of-the-art training solutions designed to elevate skills and instill confidence in high-pressure scenarios. From hemorrhage control to advanced surgical techniques, our products equip learners to confront the realities of trauma care head-on. Train for tactical combat casualty care with the innovative TCCC Cut Suit, refine suturing techniques on lifelike skin pads, and perfect laparoscopic procedures with cutting-edge simulators. Realistic moulage kits and wound care trainers further immerse users in the complexities of injury management, ensuring comprehensive readiness for the challenges ahead. Whether preparing for field emergencies or honing surgical expertise in controlled environments, this collection empowers medical professionals to act decisively, save lives, and lead in the face of adversity.



Packing of Multi-Junctional Bleed Trainer (MJBT) that is included in the TAMK

TCCC Advanced Moulage Kit (TAMK)

The TAMK elevates medical training by providing a comprehensive collection of wearable wounds that deliver hyper-realistic tactile and visual feedback. Designed for use in a variety of training environments, this versatile kit allows trainees to practice real-world medical interventions on anatomically accurate simulators or live actors.

Key Features:

- **Realistic Injury Simulation:**
Includes a wide array of wound patterns such as lacerations, burns, fractures, and amputations, offering trainees exposure to diverse trauma scenarios.
- **Wearable and Adaptable:**
Durable, form-fitted wounds are quick to apply and can be used on live actors or manikins for versatile training setups.
- **BPS Compatibility:**
Seamlessly integrates with our Blood Pumping Systems (BPS)* to simulate active bleeding, enabling realistic practice of hemorrhage control techniques.

Light Skin Tone 1025986 | Dark Skin Tone 1025977

*BPS Basic (1025873/1025869) and BPS Deluxe (1025883/1025878) are both compatible with the TCCC

► **HYPER-REALISTIC® TRAINING TOOLS
DESIGNED TO EQUIP PROFESSIONALS
WITH LIFE-SAVING SKILLS FOR
HIGH-STRESS SCENARIOS.**



Tactical Combat Casualty Care (TCCC) Cut Suit

The TCCC Cut Suit is designed to elevate the realism and effectiveness of combat medical training. The human-worn simulator replicates critical, life-threatening injuries, enabling trainees to practice treating the primary causes of battlefield mortality: hemorrhage, airway obstruction, and tension pneumothorax.

Key Features:

- **Essential Hands-On Procedures:**
Enables practice of vital procedures like tourniquet application, surgical cricothyroidotomy, chest needle decompression, and more.
- **User Customizable:**
Adjustable and repairable skin and wounds allows for varied and repeated training scenarios.
- **Realistic Functionality:**
Designed to be used with uniforms and gear, providing an authentic experience for Point-of-Injury (POI) treatment.

Light Skin Tone 1026000 | Dark Skin Tone 1025995

► THE TCCC CUT SUIT CAN BE USED TO SET UP MANY DIFFERENT HIGHLY REALISTIC TRAINING SCENARIOS.



The 6N1 Trainer has user-repairable body skin, neck skins, tracheas as well as user-replaceable IO training pucks

6-in-1 TCCC Trainer (6N1)

The 6N1 Trainer is a Hyper-Realistic®, anatomically accurate simulation tool designed to provide hands-on training in essential lifesaving procedures. Designed for realistic and practical use, it equips medical personnel to perform critical interventions confidently in high-pressure situations.

The six lifesaving procedures include:

- **Nasopharyngeal Airway (NPA) Adjunct Insertion:**
Practice proper measurement and placement with oropharyngeal visual confirmation.
- **Clearing Upper Airway Obstructions:**
Simulate the removal of obstructions using techniques such as a finger sweep.
- **Surgical Airway Management:**
Includes cricothyroidotomy and cricothyroidcentesis for advanced airway procedures.
- **Chest Needle Decompression:**
Train on four sites, including mid-clavicular line (MCL) and anterior axillary line (AAL).
- **Sternal Intraosseous Catheter Insertion:**
Practice intraosseous access in the sternum for medication or fluid administration.
- **Proximal Humerus Intraosseous Catheter Insertion:**
Train for effective intraosseous access in the upper arm.

1025848



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

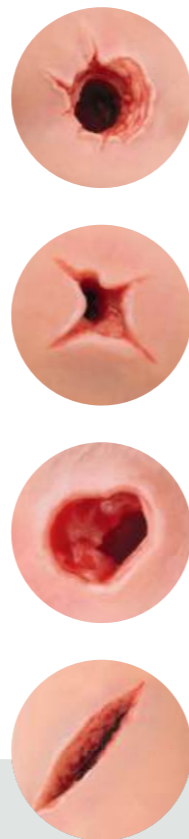
Hemorrhage Control Arm Trainer P102

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.



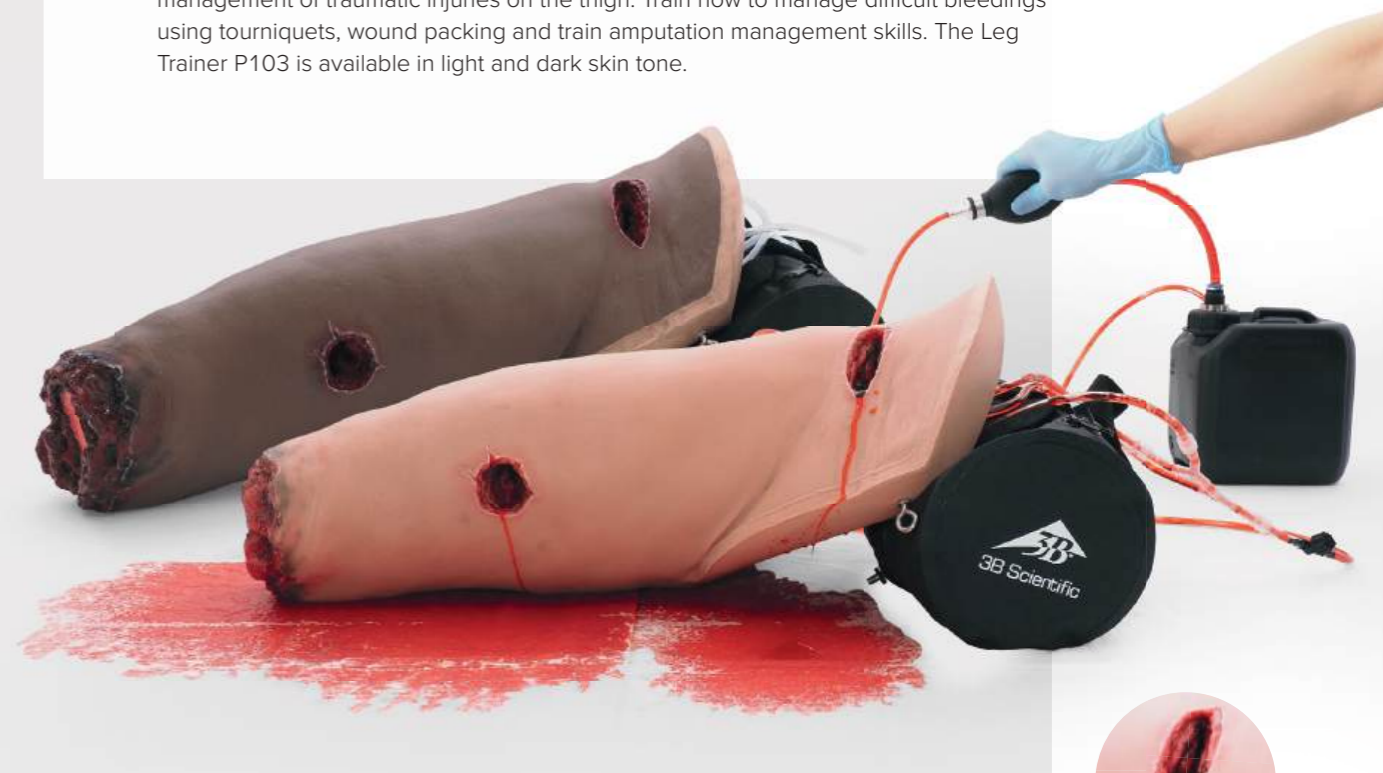
- The arm is equipped with three different wounds that bleed independently
- Instructor controlled bleeding with a manual blood pump system, simulating venous or arterial pulsatile blood hemorrhage
- Direct feedback: the bleeding will stop (mechanical occlusion of blood vessels) when tourniquet has been correctly applied (placement and closing)
- Designed for field use: sturdy construction requires no batteries or external power and can be worn by a Standardized Patient or manikin

Light Skin Tone 1022652
 Dark Skin Tone 1023313



Hemorrhage Control Leg Trainer P103

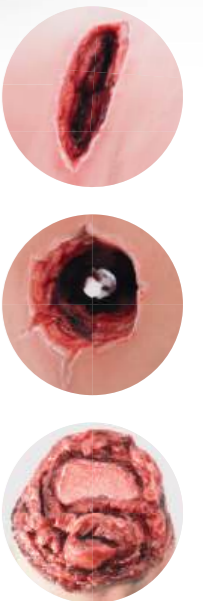
Hemorrhage Control Training at its best with this Hemorrhage Control Leg Trainer P103, your affordable and easy solution for realistic training of bleeding control and management of traumatic injuries on the thigh. Train how to manage difficult bleedings using tourniquets, wound packing and train amputation management skills. The Leg Trainer P103 is available in light and dark skin tone.



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

Light Skin Tone 1023106 | Dark Skin Tone 1023314



► ENHANCE LAPAROSCOPIC SKILLS WITH CUTTING-EDGE MIXED-REALITY SIMULATION FOR IMMERSIVE, HANDS-ON TRAINING.

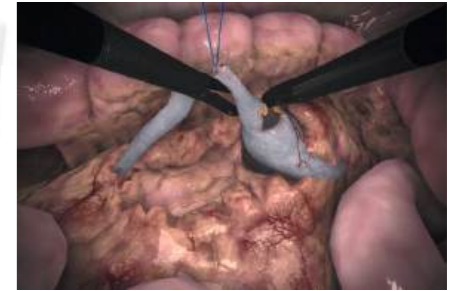


LAPARO Apex

The Laparo Apex VR delivers an innovative training solution, combining advanced mixed reality technology with realistic haptic feedback. This simulator offers immersive VR environments, detailed performance tracking, and a range of modules to refine laparoscopic skills. Perfect for medical education and professional development, it ensures precision and confidence in surgical training.

- Combines physical module-based exercises with virtual reality scenarios for comprehensive laparoscopic training.
- Offers diverse training modules, including basic skills and advanced procedures like cholecystectomy and appendectomy.
- Utilizes clinical-grade instruments like dissectors, graspers, scissors, and needle holders for realistic practice.
- Features a Full HD camera with adjustable angles (0°, 30°, 45°) and a focus ring for precise visualization.
- Equipped with specialized sensors, it measures key parameters to accurately track training effectiveness and progress.
- Includes a 27-inch touchscreen monitor with an intuitive interface for easy navigation and feedback review.
- Supports networking for group training by Mental Desktop Server, enabling collaborative learning and mentor-student interaction.
- Designed for comfort and mobility with an adjustable monitor arm and lockable wheels.

1023756



LAPARO Apex Pro

Laparo Apex Pro is uniquely designed for pediatric laparoscopic training, featuring dedicated ports, instruments, and a 5 mm pediatric laparoscope to replicate real-life procedures. Its hybrid design combines virtual reality with physical modules, offering a comprehensive platform to master pediatric-specific techniques.

- Pediatric training program (Virtual + Real)
- 3 pediatric ports with reduced distance of 4.5 cm
- Trocars adapted to work also with 3 mm instruments
- Set of pediatric instruments
- 5 mm diameter real pediatric laparoscope

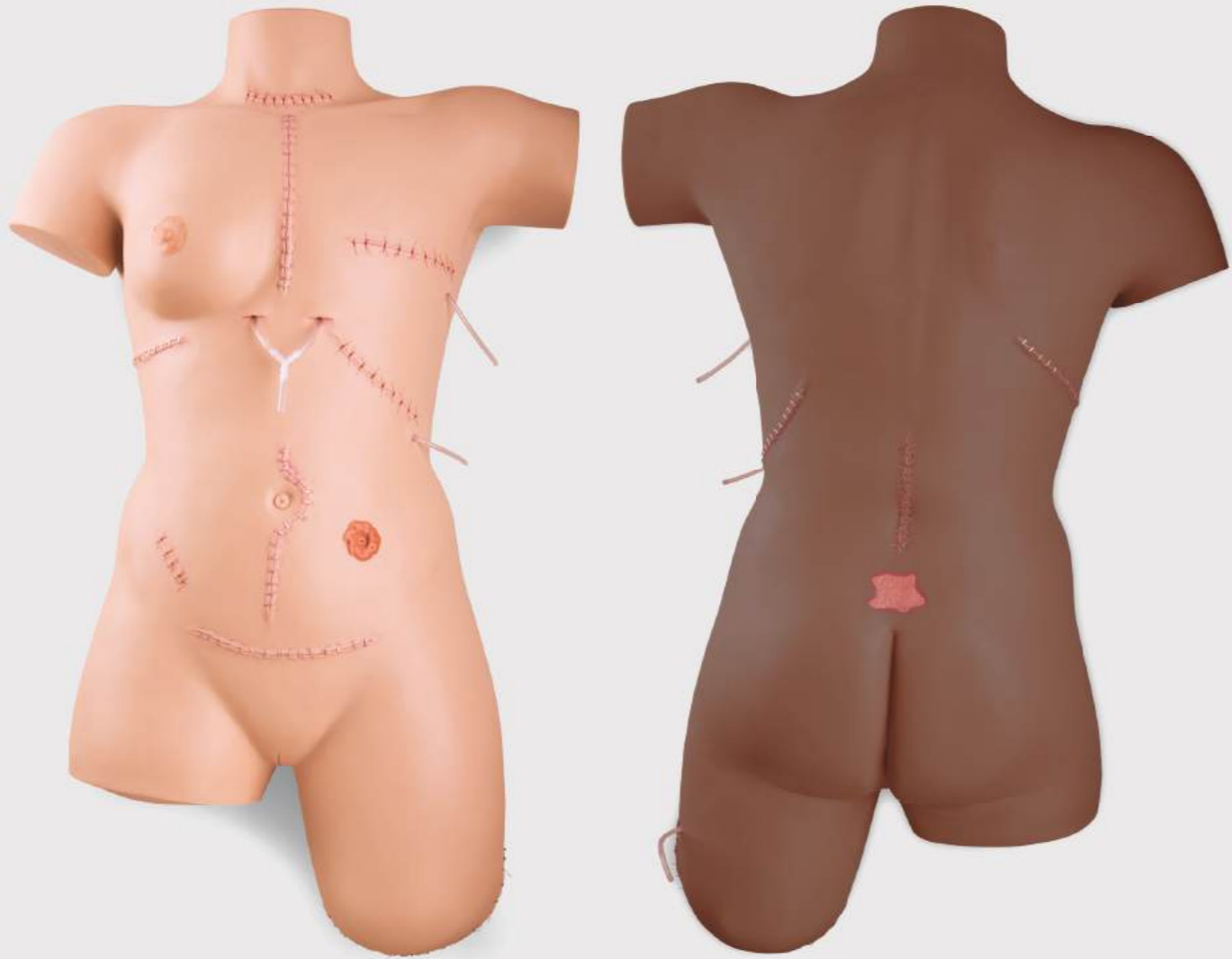
1025090

► EASY AND QUICK INSTALLATION!

Laparo Advance

| | |
|--------------------------|---------|
| Advance Training Station | 1021835 |
| Expert-Set | 1024108 |
| Portable | 1023658 |





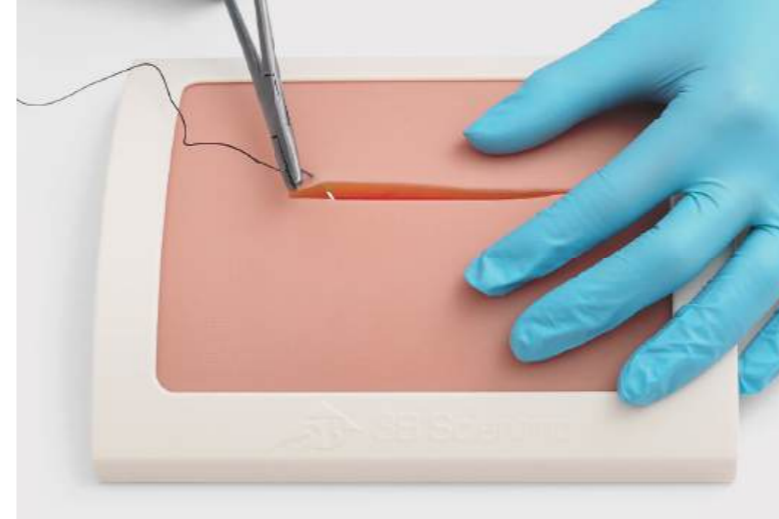
► TRAIN WOUND CARE ON A REALISTIC MANIKIN

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).

Light Skin Tone 1020592 | Dark Skin Tone 1024569



► IDEAL FOR STUDENTS

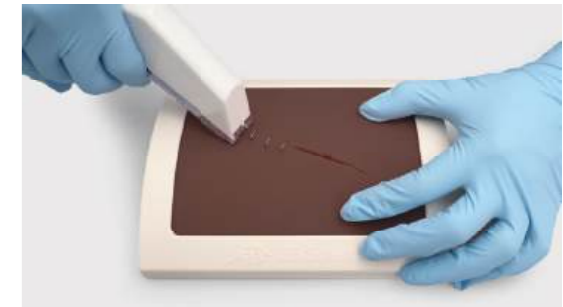
3B Scientific® Skin Suture Trainer P22

The suture pad is made with layers of silicone skin that creates a sensible experience of touch for the user. By using the included proprietary base, users can provide skin tension to the suture pad for a more realistic suture experience. With a sharp scalpel, wounds can be cut at any desired depth or location on the pad. Each cut can be repeatedly sutured until skin at any one site becomes so heavily perforated that it will no longer support more suturing

Skin Suture Trainer will be useful for training the following procedures:

- Purse-string sutures
- Continuous suturing
- Interrupted suturing
- Stapler suturing
- Z-Plasty suturing

Light Skin Tone 1024494 | Dark Skin Tone 1024495



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

Suture Training Arm P101

The 3B Scientific® Suture Training Arm offers the possibility for suture training that is a lot 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 inflicted by instructor anywhere on the training arm
- For surgical staples procedure

Light Skin Tone 1020904 | Dark Skin Tone 1023312





Respiratory Management

Effective respiratory management is essential in both emergency and intensive care settings. IngMar Medical, a 3B Scientific company, offers a comprehensive selection of simulators and simulation scenarios designed to enhance clinical skills in assessing and managing respiratory conditions. Covering fundamental techniques such as airway assessment and oxygen delivery, as well as advanced interventions like mechanical ventilation, these simulators aim to equip healthcare professionals with the expertise needed for timely and precise respiratory support. Each simulator is crafted to foster critical decision-making, hands-on proficiency, and adaptability across a range of respiratory emergencies. IngMar Medical's simulators are highly versatile and compatible with nearly any ventilator model and mode of ventilation.



Aurora the Ventilation Training Simulator

Aurora features an Internal Simulated Lung (ISL) built on the acclaimed ASL 5000® Breathing Simulator, delivering a realistic, hands-on training experience. This manikin enables comprehensive patient assessment and diverse clinical skills practice, making it ideal for Respiratory Therapy, Nursing, EMS, and Physicians. Practice with BVM, CPAP/BiPAP, and ICU ventilators, mastering techniques from lung-protective ventilation to optimal PEEP determination. Utilize lifelike airways for intubation practice and explore various ventilation modes to refine your clinical skills.

Key features and benefits:

- Advanced internal simulated lung (ISL)
- Real-Time feedback for BVM ventilation training
- Mastering non-invasive ventilation techniques
- Realistic critical care ventilation simulation training

Light Skin 1025194 | Dark Skin 1025195



► HIGHLY REALISTIC VENTILATION TRAINING AT AN AFFORDABLE PRICE

QuickLung Breather System

QuickLung Breather is an innovative and essential tool for healthcare professionals, designed to simulate realistic respiratory mechanics. The device simulates spontaneous breathing, allowing the medical professional, respiratory educators, pulmonary or critical care physicians to improve skills with advanced ventilator modes ensuring high standard of care and safety in respiratory management. QuickLung Breather offers unparalleled realism with adjustable resistance and compliance settings, mimicking various lung conditions and breathing patterns for comprehensive training.

QuickLung Breather offers:

- Simulation and training capabilities
- User interactions and feedback in realtime
- Durability and cost efficiency

Adult 1025192 | Pediatric 1025193



► SIMULATE – TRAIN – EXCEL - ENSURING EXCELLENCE IN RESPIRATORY CARE

Switch between 3 resistance settings.

Easy set-up- simply connect your ventilator and select settings.

Simulate pediatric through adult loads with variable compliance settings.

Tidal volumes from small pediatric to adult.

Quickly create patient scenarios by selecting from five breathing patterns - Eupnea, Cheyne-Stokes, Biot's, Kussmaul and Apneusis.

Liftarm opens QuickLung bellows to simulate spontaneous breaths.

Select parameters (Breath rate, volume, I:E ratio) to customize patient scenario.

RespiSim® Essential

The RespiSim® Essential utilizes the renowned ASL 5000® Breathing Simulator to offer an advanced ventilation simulation training solution for both educators and researchers alike. The ASL 5000® is the only lung simulator that allows for simulation of a full range of patients: neonatal through adult and can be used to train on non-invasive and invasive ventilation techniques. This system can be utilized to conduct clinical research as well, making it an ideal tool for specialists in respiratory care.

Key features and benefits:

- ASL 5000® Breathing Simulator
- Simulate a full range of patients: neonatal - adult
- Design educational scenarios and conduct clinical research
- User friendly and intuitive RespiSim Software platform designed by educators for educators

1025223



► COMPREHENSIVE VENTILATION SIMULATOR FOR EDUCATORS AND RESEARCHERS



Ultrasound

Ultrasound is a vital, non-invasive imaging technique used across various medical fields for diagnostic purposes. It's essential not only for radiologists but also for many other healthcare professionals. Ultrasound simulation plays a crucial role in medical training, allowing students and technicians to apply their anatomical knowledge through realistic practice. With ultrasound trainers, learners can gain experience in performing common diagnostic procedures, recognizing normal anatomy versus pathologies, and practicing non-complex, ultrasound-guided procedures.



e Sono for Institutions

This Ultrasound Simulation Software bridges the gap between theoretical knowledge and practical expertise for students in nursing, medicine, physiotherapy, and paramedical fields.

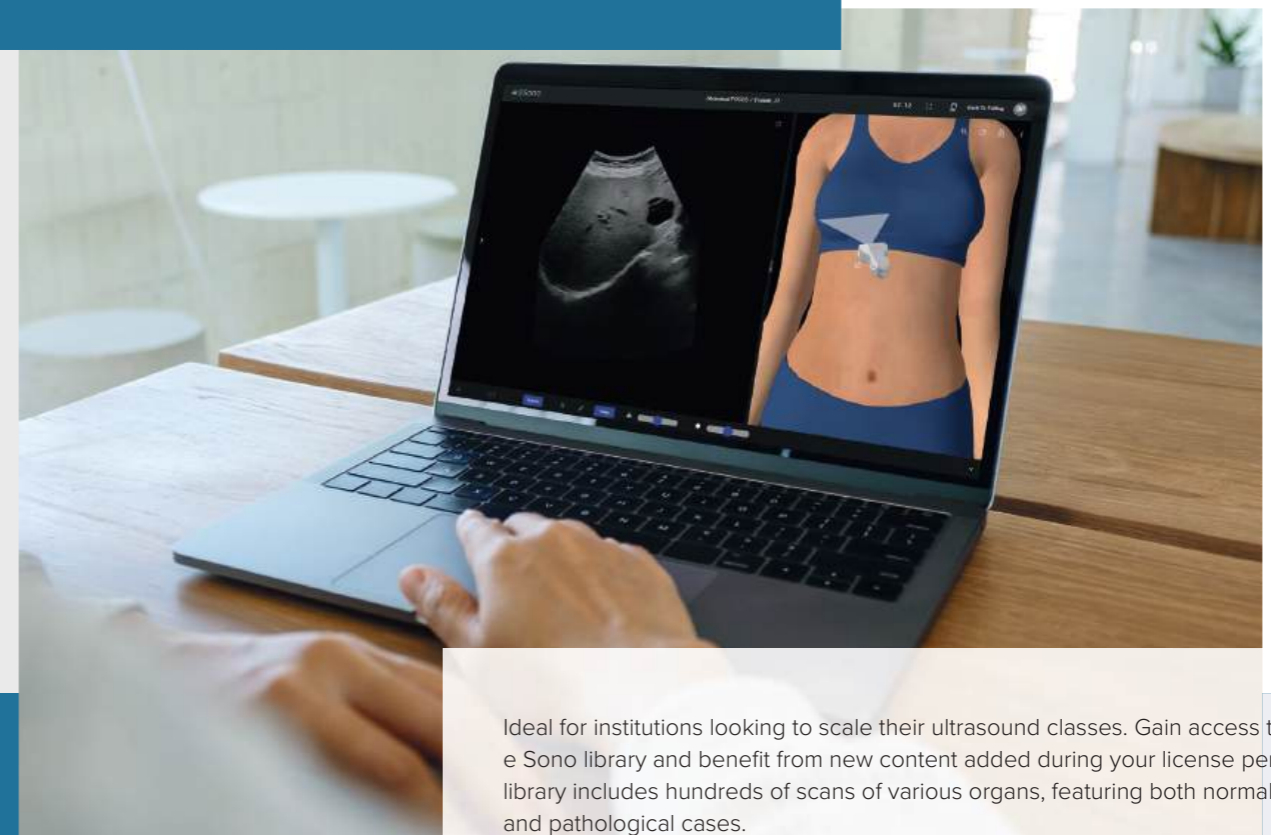
e Sono offers a realistic, immersive learning environment, allowing for risk-free practice on virtual patients. It ensures students can refine their ultrasound diagnostic skills with confidence. Ideal for educational institutions aiming to enhance their medical programs, e Sono prepares future healthcare professionals for clinical excellence.

By providing hands-on experience with complex anatomical details and real-life scenarios, e Sono sets a new standard in medical education, preparing students for the challenges of the healthcare environment.

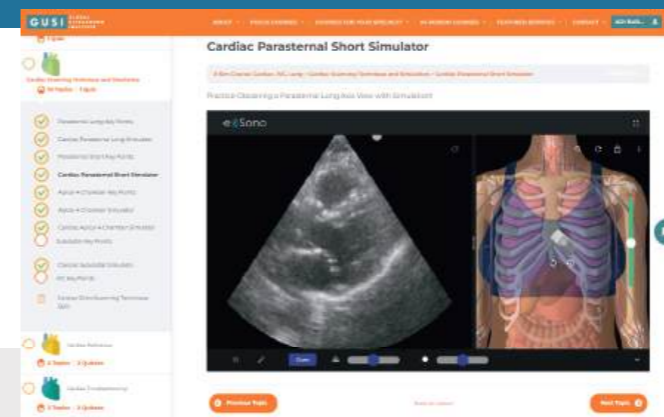
- Access a library with hundreds of scans, featuring both anatomical and pathological cases
- Hardware-free: All you need is an internet connection to access the platform via a browser
- Learn using scans acquired from real patients
- Scale your ultrasound classes from small groups to hundreds of students
- Provide students with unlimited extra hours of practice, anytime and anywhere

8001206

► e Sono PLATFORM FOR INSTITUTIONS



Ideal for institutions looking to scale their ultrasound classes. Gain access to the full e Sono library and benefit from new content added during your license period. The library includes hundreds of scans of various organs, featuring both normal anatomy and pathological cases.



GUSI POCUS Course Powered by e Sono Simulator Software

Abdominal POCUS course by e Sono

Learn POCUS protocol through real clinical cases from 48 patients and 260 real scans.

Content include conditions in AAA (Abdominal Aortic Aneurysm), Acute Cholecystitis, Cirrhosis, Distended, Urinary Bladder, Fatty Liver, GB Stone (Gallbladder Stones), Large Prostate, Mild Hydronephrosis, Prostate Cyst, Renal Stone.

Available for institutions and end users

8001268

POCUS E-Sim Complete by e Sono and GUSI

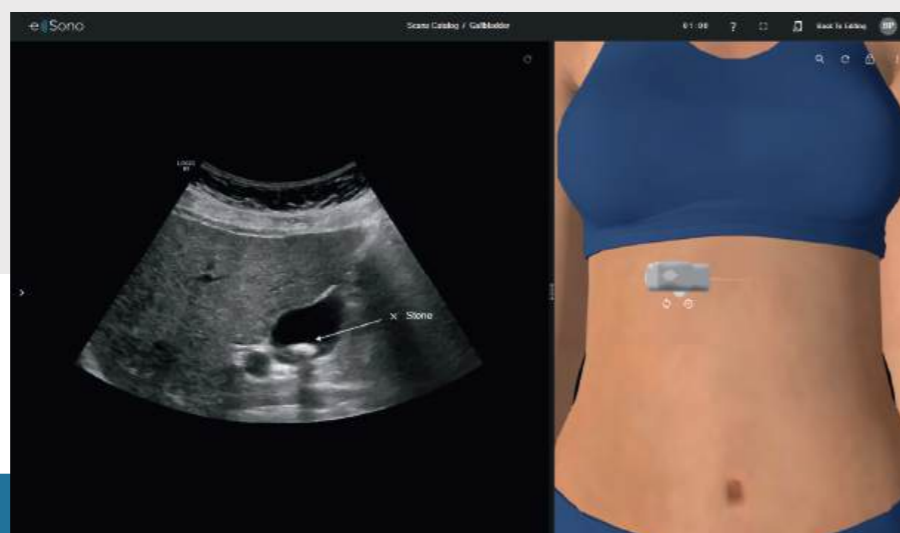
In partnership with GUSI (Global Ultrasound Institute), this course offers students the opportunity to learn the basics of ultrasound and patient conditions, all powered by the e Sono simulator.

Learn ultrasound using established POCUS protocols and consolidate your knowledge by practicing with e Sono.

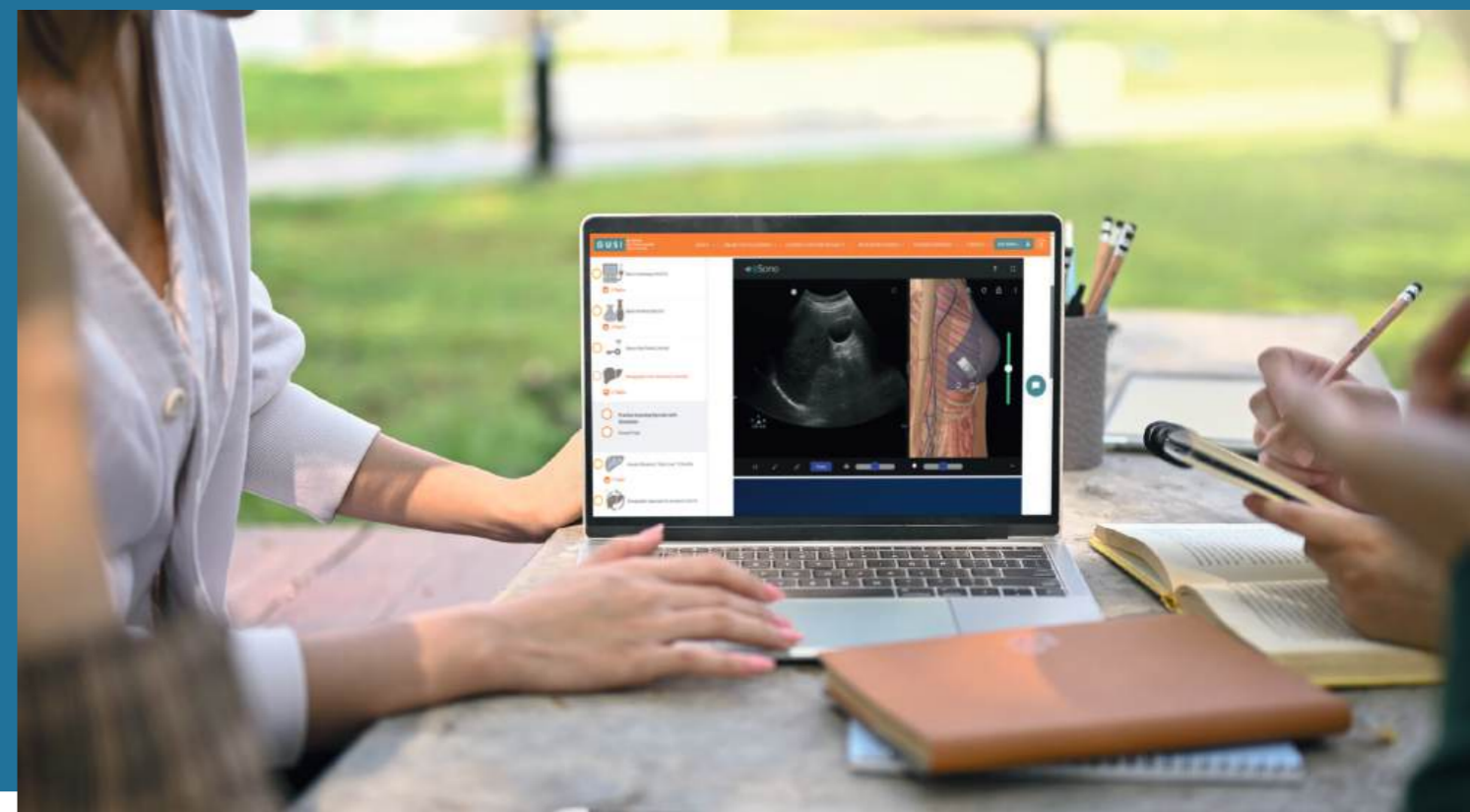
Get access to more than 100 modules and over 1000 e Sono integrated simulations. Content includes FAST/E-FAST, Cardiac Echo, Musculoskeletal, Obstetrics (1st, 2nd, and 3rd trimester), Pediatrics, Pulmonology, Gallbladder, and many more.

Available for institutions and end users

8001277



Patient condition highlighted using e Sono annotation tools



► REALISM YOU CAN TRUST: ULTRASOUND TRAINING SET FOR MEDICAL EXCELLENCE



SONOtrain Ultrasound Vein Model P120

Improve your ultrasound skills with the 3B Scientific® SONOtrain Ultrasound Block – a versatile and highly realistic trainer for medical education and skill-building. The trainer features three blood vessels with diameters of 4, 8, and 15 mm, along with adjustable fluid flow, providing unmatched realism for punctures and injections.

- Realistic echogenicity and texture for enhanced ultrasound imaging.
- Easy to use
- Quality training at a budget-friendly price

Light Skin Tone 1019637 | Dark Skin Tone 1024719



Copyright Dr. Mario Sica



SONOtrain Breast Model with Tumors P125

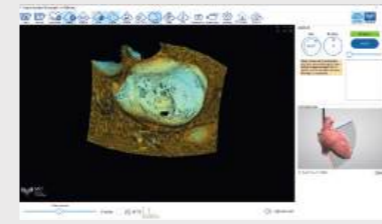
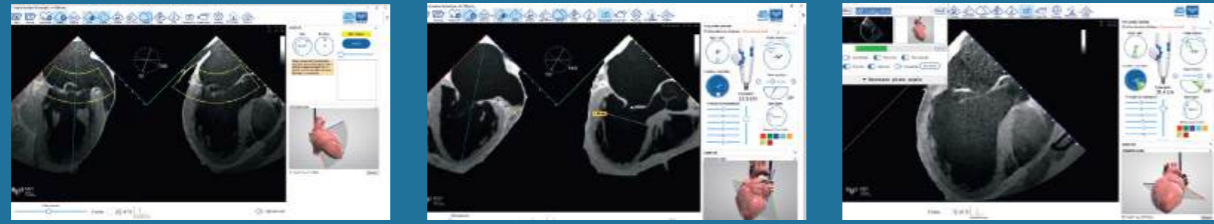
Enhance your ultrasound training with the SONOtrain Breast Trainer, designed to mimic the look and feel of real soft tissue. Featuring three tumors of varying sizes, this model allows for realistic palpation, punctures, and biopsies.

Light Skin Tone 1019635 | Dark Skin Tone 1024722

Explore the other products in the SONOtrain range:

- | | |
|--|---------|
| SONOtrain Foreign Body Model Light Skin Tone | 1019636 |
| SONOtrain Foreign Body Model Dark Skin Tone | 1024720 |
| SONOtrain Gallbladder Model | 1019638 |
| SONOtrain Breast Model with Cysts | 1019634 |





► REALISTIC TRAINING OF INDIVIDUAL CASES TO

MrTEEmothy® Transesophageal Echocardiography Simulator
 Transesophageal echocardiography (TEE) is a difficult, semi-invasive examination which requires experience in probe manipulation. MrTEEmothy® is an effective solution for training students, residents, cardiologists, anesthetists, and intensive care specialists who want to obtain and perfect TEE skills without causing unnecessary harm to patients. MrTEEmothy® advantages and innovation were confirmed by a European patent (EP2538398).

MrTEEmothy® Standard

Transesophageal Echocardiography Simulator
 The simulator MrTEEmothy® Standard is composed of a phantom and a TEE probe, connected to a dedicated laptop (included) by a USB cable.

1022128

HANDLE ANATOMICAL DIFFERENCES FROM PATIENT TO PATIENT!

MrTEEmothy® Expert

Transesophageal Echocardiography Simulator
 The transesophageal echocardiography (TEE) simulator MrTEEmothy® Expert is composed of a phantom and a TEE probe, connected to a dedicated laptop (included) by a USB cable. Advanced software and 3D visualization were specifically developed for the CT scan dataset. The screen interface shows the components of the probe motion such as probe depth, bends, rotation or the angle of the imaging plane.

Training Benefits:

- Operating trackball, buttons and knobs of the USB ECHO Panel
- Learning the TEE normal and pathological anatomy
- Pointing anatomical details with color markers positioned in three-dimensional space
- Practicing optimal acquisition and recording of standard TEE views
- Performing measurements and interpretation of individual pathology

1022130



NEW

Expert Transthoracic Echocardiography Simulator
 Understand anatomy basics and integrate your imaging skills, regardless of modality

1025407

Synergy
 Expert Transesophageal Echocardiography and Transthoracic Echocardiography Simulator

1025408

Synergy+
 Synergy + Fluoroscopy
 Fusion imaging: Fluoro and TEE explained together

1025409

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, 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. Developed in cooperation with Dr. Markus Schneider, Bamberg

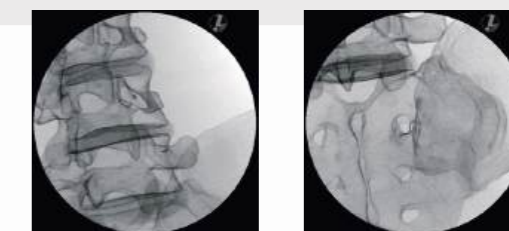
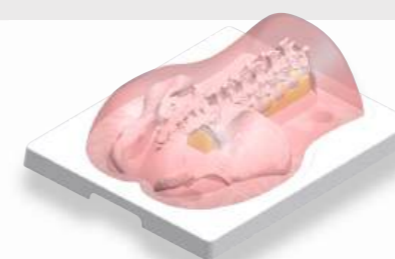
Key Specifications:

- 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

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

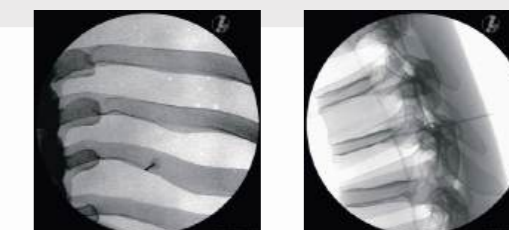
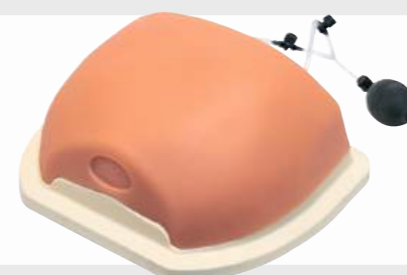
Lumbar Spine P65

1021898



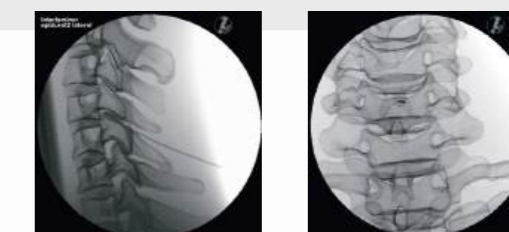
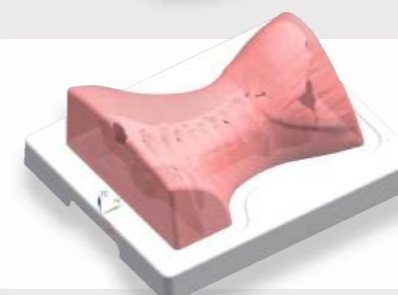
Thoracic Spine P66

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

► EXCELLENT HAPTIC EXPERIENCE

Epidural and Spinal Injection Trainer P61

Experience realism in epidural and spinal injection training! With lifelike haptic and acoustic feedback, this high-quality, durable trainer is designed for versatile, hands-on practice. Its compact, cost-effective design and intuitive functionality make it an ideal choice for realistic training. Train the localization of the epidural space without ultrasound to administer epidural and spinal injections.

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

Light Skin Tone 1017891
 Dark Skin Tone 1023765



Extremely realistic haptic feedback

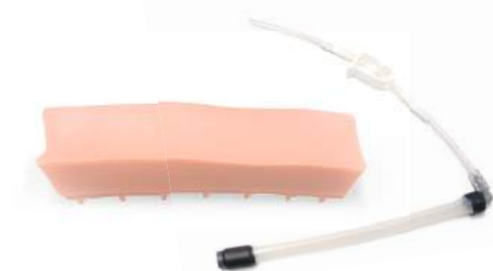
Self-sealing material for repeated use



► ADD THE GERIATRIC LOSS OF RESISTANCE 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





Lifecast Body Simulation

Lifecast Body Simulation creates highly realistic medical manikins that not only elevate medical training but also spark meaningful conversations about patient care. Many of the manikins are cast directly from real humans, offering unmatched accuracy in skin texture and anatomical features. Handmade by skilled artists at Elstree Film Studios in London or Sarasota, Florida, each manikin is unique, featuring details like veins and beauty spots to make every model one of a kind.

All manikins include:

- Detailed and realistic outer body based on human anatomy
- CPR-capable chest for high-quality training
- Anatomically correct airway for intubation practice and airway management
- Intraosseous insertion sites available for most models (except in premature models)
- Simulated breathing with chest movement during ventilation
- Skin turgor for IV training and realistic resistance



Vivien & Cecile Senior Female Manikins

Vivien and Cecile bring the lifelike look and feel of senior women and are designed to evoke natural responses during training. This allows healthcare providers to engage in empathetic and skillful handling of elderly female patients across various scenarios. Both Vivien and Cecile have detailed features like age spots, natural skin textures, and facial expressions that encourage realistic patient care practices.

Vivien 1025081
Cecile 1025082



Pete & James Senior Male Manikins

Pete and James represent elderly men with realistic anatomical proportions, designed for hands-on training in elder care. Their lifelike skin textures, subtle age-related features, and responsive design make them ideal for various scenarios, from advanced life support to daily nursing care. These manikins allow practitioners to simulate real-life interactions with elderly male patients, helping them build confidence and refine their skills in managing elder patient care.

Pete 1025393
James 1025108





Alice & Chantel, Carl & Marcus Adult Manikins

The Adult Manikins are designed to provide a highly realistic training experience for healthcare professionals, replicating the look, feel, and functionality of adult patients. Each manikin is crafted with lifelike skin texture, weight, and anatomical accuracy, making them ideal for a wide range of medical and emergency care scenarios.

Alice 1025079 | Chantel 1025166
Carl 1025080 | Marcus 1025162



Kelsey the Teenager

Kelsey is specially designed to address the unique needs of adolescent healthcare training. Built with a lifelike appearance and authentic anatomical features, this manikin enables healthcare professionals to practice procedures and develop skills tailored to teenage patients.

Why a Teenage Manikin Matters:

- Adolescent Anatomy: Proportions and features true to a teenager, for realistic age-specific handling and assessments
- Airway and CPR Training: Supports intubation, airway management, and CPR, tailored to adolescent physiology
- Behavioral Health Scenarios: Enables practice in communication and intervention techniques specific to teenage patients
- Trauma and Emergency Response: Prepares providers for adolescent injuries and trauma care with realistic practice

1024738





Gwen

Gwen is a groundbreaking addition to the our collection, specifically designed to support inclusive medical training for children with Down syndrome. Created in collaboration with healthcare professionals and advocacy groups, Gwen's design accurately reflects the physical characteristics common in children with Down syndrome, making her an essential tool for specialty and inclusive training.

Why Gwen is Important for Medical Training:

- **Authentic Physical Characteristics:** Gwen features details such as almond-shaped eyes, low muscle tone, and a smaller stature, providing healthcare providers with a realistic model for practicing child-specific care
- **Challenging Airway Management:** Gwen's anatomy allows for training in difficult intubation, helping practitioners develop skill and confidence in airway management for children with unique physical traits
- **Intraosseous (IO) Access and Other Pediatric Procedures:** With features such as IO access and realistic skin textures, Gwen supports training in pediatric procedures tailored to children with Down syndrome

1024735

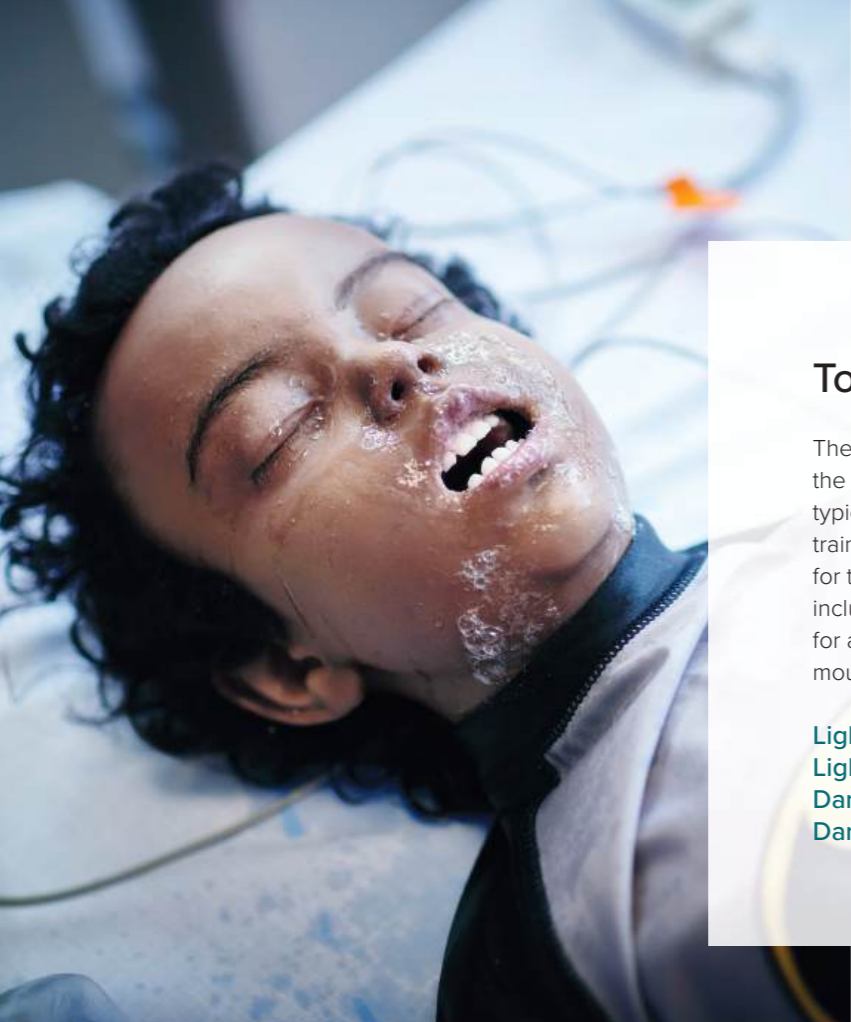


Child

The Child Manikins empower healthcare providers to approach pediatric care with confidence and competence. Whether for advanced airway management, emotional care training, or trauma scenarios, these manikins deliver realism and versatility to elevate pediatric healthcare education. Built with realistic proportions and lifelike anatomical details of an 8-year old, these manikins provide an unparalleled platform for practicing essential skills in child care, from everyday procedures to emergency interventions.

Male 1024733
Female 1024734





Toddler

The Toddler Manikins are meticulously designed to replicate the proportions, weight, and handling characteristics of a typical 3-year-old child. These manikins serve as an invaluable training tool for healthcare professionals, helping them prepare for the unique challenges of early childhood care. The range includes a specialized model featuring chest trauma, allowing for advanced training scenarios where fluid or foam may exit the mouth during ventilation, simulating real-life complications.

- Light Skin Tone Male (Chest trauma) 1024730
- Light Skin Tone Male 1024728
- Dark Skin Tone Male (Chest trauma) 1024731
- Dark Skin Tone Male 1024729



Term Baby

The Term Baby Manikins are designed to replicate the appearance and characteristics of full-term newborns, making them an essential tool for neonatal care training. These manikins feature anatomically accurate details, including realistic skin texture, proportions, and weight, to provide a lifelike platform for practicing essential newborn procedures. From resuscitation and airway management to handling and routine assessments, the term baby manikins support healthcare professionals in developing the skills and confidence needed to deliver high-quality care for healthy newborns and those requiring immediate medical attention. Their versatility ensures effective training for a wide range of neonatal scenarios in clinical and emergency settings.

- Light Skin Tone Male 1024673
- Light Skin Tone Female 1024675
- Dark Skin Tone Male 1024674
- Dark Skin Tone Female 1024676



Infant

The Infant Manikins are crafted to represent the distinct needs of infants beyond the neonatal stage. With realistic proportions, weight, and detailed anatomy, these manikins offer healthcare professionals a vital tool for mastering infant-specific care. They are ideal for advanced training in airway management, including intubation and ventilation, as well as resuscitation scenarios using CPR-capable chests that respond authentically to interventions. Designed to support both routine procedures and critical emergencies, the infant manikins enable practitioners to practice skills such as intraosseous insertion and intravenous therapy, ensuring they are prepared to provide effective and compassionate care for their youngest patients.

- Male 1024726 | Female 1024727

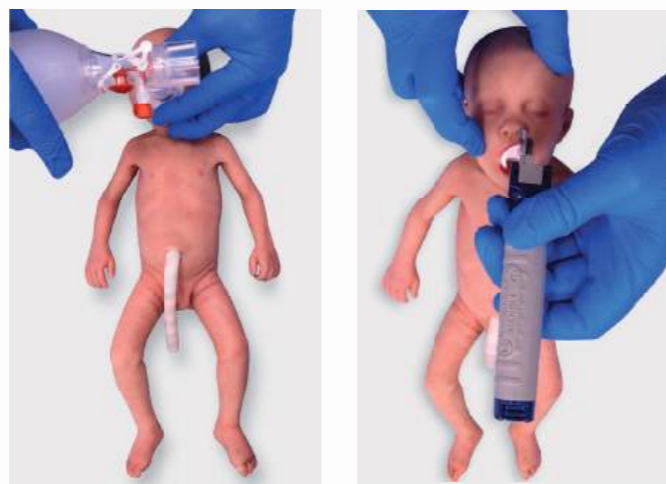




Pre-Term Baby

Pre-Term Baby Manikins offer a vital training tool for managing the care of premature infants. Designed with realistic anatomy and proportions, these manikins replicate the delicate characteristics of babies born before full term. They allow healthcare professionals to practice critical neonatal procedures such as airway management, resuscitation, and handling techniques. By providing a lifelike platform for training, pre-term baby manikins help practitioners develop the precision and confidence required to care for these vulnerable patients.

- Light Skin Tone Male 1024669
- Light Skin Tone Female 1024671
- Dark Skin Tone Male 1024670
- Dark Skin Tone Female 1024672



Micro-Preemie Baby

The Micro-Preterm Baby Manikin represents the smallest and most fragile neonates, simulating the challenges of caring for infants born at the edge of viability. With intricate anatomical details and extremely delicate features, this manikin supports advanced neonatal training scenarios, including intubation, ventilation, and umbilical catheterization. The design emphasizes the sensitivity and precision needed in critical neonatal care, ensuring practitioners are prepared for high-risk and high-stakes situations in the NICU.

1024668



Miscarriage Manikin

The Miscarriage Manikin is designed to train healthcare professionals in both the clinical and emotional aspects of pregnancy loss. Realistic in detail, the manikin allow practitioners to practice essential procedures such as delivery management and post-loss handling while also focusing on providing compassionate care. By incorporating the miscarriage manikin into training, healthcare providers can ensure they are equipped to offer empathetic, high-quality support to families during these profoundly difficult moments.

1024667



AUSCULTATION

3B Scientific® offers a large range of pediatric and adult auscultation trainers and simulators for clinical skill training in medical education. They provide skill training for localizing correct auscultation sites and for the diagnoses of heart sounds, murmurs, lung and breath sounds, and bowel sounds with many different common and rare pathologies.



NEW

PAT4 – PEDIATRIC AUSCULTATION TRAINER

Experience the future of interactive auscultation training with the new PAT4 Pediatric Auscultation Trainer. Compatible with both Android and iOS smartphones, PAT4 transforms your auscultation classes into an interactive way of learning. Use your own smartphone to easily connect to the manikin via Bluetooth and gain access to an extensive library of sounds. If you are a student or an educator, PAT4 provides all the tools you need for engaging auscultation education and hands-on training.

Main Features of PAT4 Manikin:

- Includes the extensive Cardionics proprietary library of heart, lung and bowel sounds
- Use any clinical stethoscope to listen at anatomically correct auscultation sites
- Portable and light weight
- Ready to use out of the box with no complicated assembly needed

Light Skin Tone 1025486 | Dark Skin Tone 1025487

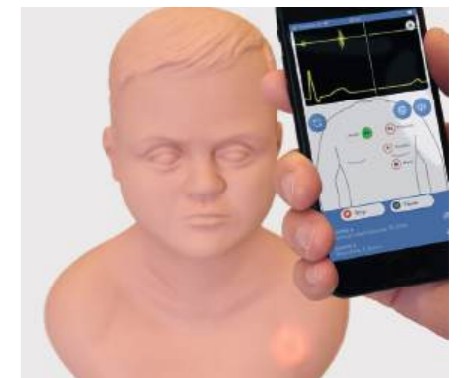
*Smartphone or tablet not included



LED lights
Optional in all auscultation points to help students



360° rotating base
Facilitates demonstration and examination for multiple users



Bluetooth control
Use your smartphone or tablet to control the manikin

NEW

SAM4 Auscultation Training Manikin

Experience the future of interactive auscultation training with the new SAM4 Adult Auscultation Trainer. Compatible with both Android and iOS smartphones*, this innovative device takes your training sessions to the next level.

- Any stethoscope can be used to listen and identify sounds located in any of the 15 locations from anterior and posterior auscultation sites
- SAM4 starts with a Library of 75 sounds in the basic version, and additional contents available on SAM4 Plus version includes Real Sounds, Dynamic Sounds and Echocardiogram videos
- Indicative lights on the auscultation points, rotational base and the possibility to connect a Bluetooth sound device are built in features of any SAM4.

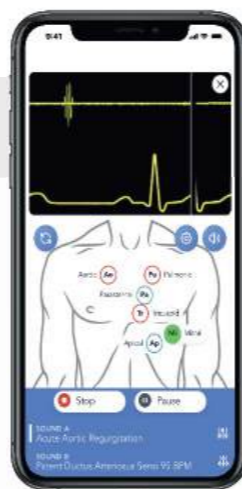
Main Features of SAM4 Manikin:

- Includes the extensive Cardionics proprietary library of heart, lung, bowel, and bruit sounds
- Customizable to fit specific scenarios and programs
- Portable and light weight
- Ready to use out of the box with no assembly needed

| | |
|---------------------------|---------|
| SAM4 Light Skin Tone | 1024553 |
| SAM4 Dark Skin Tone | 1025087 |
| SAM4 Plus Light Skin Tone | 1025098 |
| SAM4 Plus Dark Skin Tone | 1025099 |

Download the SAM4 Online app on Google Play Store or App Store

*Smartphone or tablet not included



SAM Basic®

Adult Auscultation Trainer with SimScope® Training Stethoscope

The SAM Basic® trainer engages the technology of the SimScope® stethoscope to simulate adult heart, lung, and bowel sounds utilising a large sounds library. Using the provided SimScope™ stethoscope, users are able to access a large variety of pathological conditions in order to customize scenarios.

- It is lightweight & portable
- It utilizes the extensive Cardionics proprietary heart, lung, bowel and bruit sounds library
- Students can listen at anatomically correct auscultation sites
- A customized library is available to fit specific scenarios and programs
- The SimScope® Wi-Fi allows for remote selection of sound scenarios

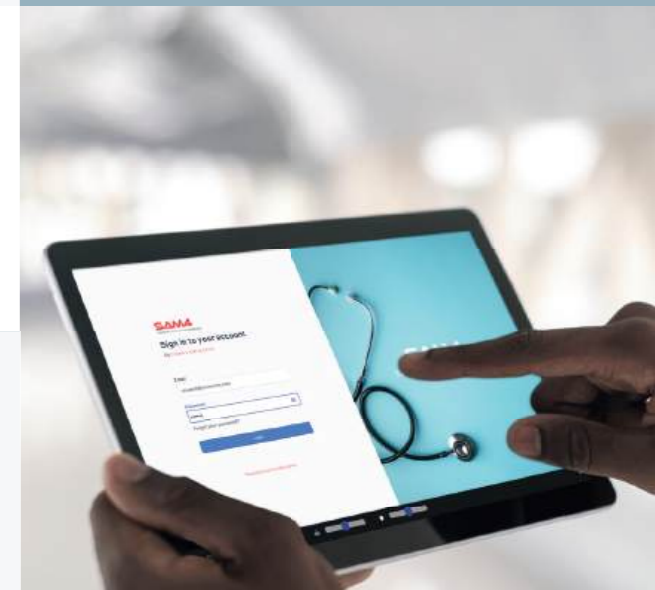
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| Light Skin Tone | 1020097 |
| Dark Skin Tone | 1022474 |

▶ TAKE YOUR AUSCULTATION CLASSES TO THE NEXT LEVEL!

SAM4 Online Auscultation Software

SAM4 Online is an app- and webbased e-learning software that efficiently enables you to take your auscultation classes to a next level. By incorporating SAM4 Online in your physical or digital classroom, you can engage with immersive auscultation training anywhere, anytime. SAM4 Online auscultation e-learning software and app allows educators to incorporate prepared lesson content into lectures as well as use own materials.

| | |
|---------------------|---------|
| Licence for 1 year | 8001149 |
| Licence for 3 years | 8001151 |
| Licence for 5 years | 8001154 |



LED lights
Optional in all auscultation points to help students



360° rotating base
Facilitates demonstration and examination for multiple users



Bluetooth control
Use your smartphone or tablet* to control the manikin

► WEARABLE SIMULATORS TAKE STANDARDIZED PATIENT TRAINING TO THE NEXT LEVEL.



Bionic Hybrid Auscultation Simulator™ (BHS)

All-in-one solution for standardized patient scenarios as well as manikin-based practice. Bionic Hybrid Simulator™ and SimBP™ Simulator for Blood Pressure by Cardionics 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.

Additional Features:

- Includes SimBP™, 5-wire EKG connections, carotid and radial pulses as well as auscultation via the SimScope™ stethoscope
- 59 auscultation sounds available in the SimScope™ library: 24 heart, 23 lung, 8 bowel and 4 bruit sounds
- 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 M-L 1024480 | Size XL-XXL 1024482



SimShirt® System Auscultation Simulator

The Cardionics SimShirt® offers a basic version with all features of the BHS, except ECG, carotid pulse and the possibility to use with a blood pressure cuff. Includes SimScope™ Wi-Fi and a laptop-tablet. Reusable, washable (30°C) and available in different sizes.

Size M 1021552 | Size L 1022827 | Size XL 1022828 | Size XXL 1022829





Mastering Patient Care Skills Through Realistic Simulation

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 and its brands, offer a complete suite of simulators and task trainers that will help you elevate your training to the next level of realism.



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 stethoscope

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).

- 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 Sound

Light Skin Tone 1022952 | Dark Skin Tone 1023318



Patient Care Manikin PRO P10N

This Patient Care Training Manikin is a must have and simulates an adult, life-size patient with interchangeable genitals. It can be positioned like a real patient with natural movement of the arms, legs, and joints. 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

Light Skin Tone 1025295 | Dark Skin Tone 1023316



► NURSINGSOPE WI-FI TECHNOLOGY ALLOWS THE TRAINER TO REMOTELY SELECT SOUND SCENARIOS FOR AUSCULTATION TRAINING AND CHANGE THEM DURING A SCENARIO.

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

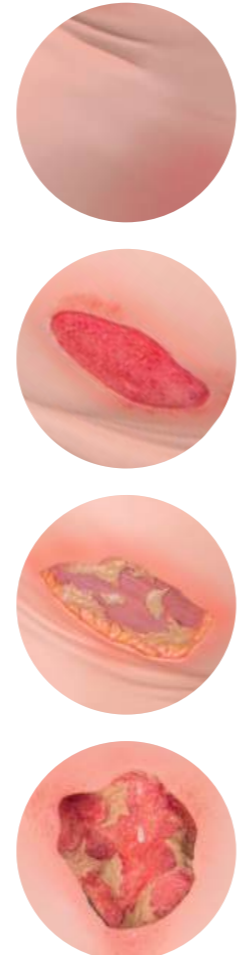


Diabetic Foot Treatment Trainer P14

The after-effects of a 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 REALISTIC DECUBITUS SIMULATOR

Decubitus Trainer P15

Realistic and latex-free simulator for training in wound care, classification, staging, and assessment 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

Light Skin Tone 1019698 | Dark Skin Tone 1023319



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.

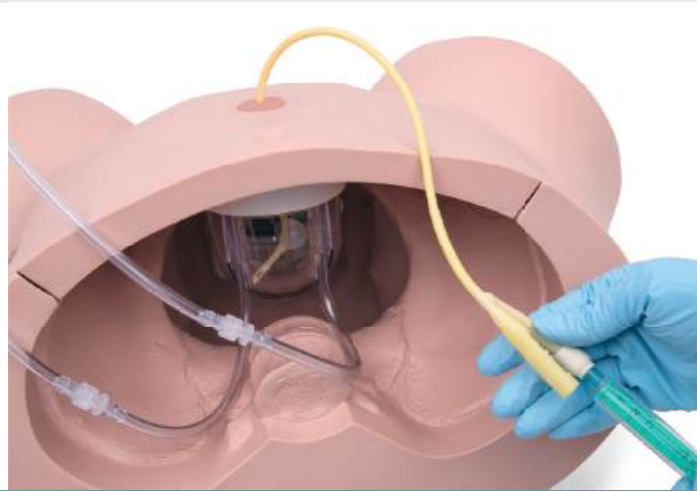
Procedures and features:

- Enema administration: cleansing, oil-retention, return flow, medicated enemas
- Suppositories and medication administration
- Digital rectal examination (DRE), stimulation (DRS)
- Digital removal of faeces
- Supports the insertion of CH16 to CH40 catheters and balloon rectal tubes

- The different Digital Rectal Inserts are crafted from sturdy, latex-free SKINlike™ silicone, mimicking the natural feel of human skin and tissue for DRE and DRS practice
- 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

Light Skin Tone 1022519
Dark Skin Tone 1023320





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

Catheterization Simulator P93 PRO, NOW WITH SPC

Experience realistic, hands-on training with the The 3B Scientific® P93 PRO Male and Female Catheterization Trainer – designed to demonstrate, practice, and evaluate female bladder catheterization through both urethral and suprapubic techniques.

Direct Learning:

- This version is supplied with an anatomically realistic lower body with a removable abdominal wall and pre-punctured site
- The transparent bladder allows simple verification of catheter placement and
- The abdominal wall can be removed for better visualization of the procedure during urethral catheterization.

Features:

- Anatomically realistic pelvic structure
- Male and Female catheterization with realistic resistance
- 3 levels of adjustable narrowing of urethra in Male version
- Magnetic connectors for quick set-up and dismantling

Light Skin Tone ♀ 1023008
 Dark Skin Tone ♀ 1023324

Light Skin Tone ♂ 1023009
 Dark Skin Tone ♂ 1023325

Light Skin Tone Set ♀♂ 1023010
 Dark Skin Tone Set ♀♂ 1023326



▶ 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
- 3 levels of adjustable narrowing of urethra is possible with Male unit

Light Skin Tone Set 1020842
 Dark Skin Tone Set 1023323



Catheterization Simulator BASIC, female

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

Light Skin Tone 1020231
 Dark Skin Tone 1023321

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

Light Skin Tone 1020232
 Dark Skin Tone 1023322



► I.M. INJECTION SIMULATORS WITH DIRECT FEEDBACK

Intramuscular (I.M.) Injection Simulator

These high-quality I.M. simulators are perfect for mastering proper injection techniques. Strap it onto the upper arm, the buttocks, upper leg or place it on a desk to locate all necessary intramuscular injection sites.

- 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.

Light Skin Tone 1000511
Dark Skin Tone 1023766



Intermuscular 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.

Light Skin Tone 1000514
Dark Skin Tone 1023767

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 repeatedly practice intramuscular injections, offering a cost-effective training solution.

- Practice intramuscular injection with fluid up to a depth of 50 mm
- Quick-change skin pads that can be pierced multiple times
- Easy to clean and dry

Light Skin Tone 1010008
Dark Skin Tone 1023300



► 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 bleeding 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 Tone 1021418
Dark Skin Tone 1023311





Smarter with CPR Feedback App



► THE ECONOMICAL AND RELIABLE CPR TRAINING MANIKIN WITH DIRECT FEEDBACK

BASICBilly+ Basic Life Support Simulator P72+

The new BASICBilly+ Basic Life Support (BLS) and CPR manikin now includes a direct CPR Feedback Upgrade Kit, allowing students and instructors to effectively train in CPR using 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 that is compliant with the latest guidelines of the American Heart Association (AHA) and the European Resuscitation Council (ERC).

Light Skin Tone 1024546
 Dark Skin Tone 1024547

Upgrade Kit BASICBilly+ for CPR Training with Direct Feedback

Equip your previous versions of the BASICBilly manikin with sensors for CPR training with the Direct Feedback Upgrade Kit. Simply attach the sensor kit to your manikin, download the free mobile apps in your app store and receive detailed CPR feedback in real-time using the app on your mobile device.

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).

CPR Training Manikin Features:

- Quality CPR feedback with debriefing history
- Ventilation with face shield, pocket mask and BVM
- Chest rise with proper ventilation
- Control of proper airway desobstruction
- Free App available on google play and iOS

Quality CPR Feedback:

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

Light Skin Tone 1022071



Head tilt and jaw thrust indicator



Palpable carotid pulse



Lights indicate correct CPR performance

Wallcur Simulated Meds for Safe Realistic Training

Wallcur's extensive range of simulated medications transforms medication management training by bringing unparalleled realism to the learning process. Designed to replicate the look, feel, and functionality of real medicines and supplies, these training tools bridge the gap between theory and practice. Each replica is crafted with precision to ensure that learners gain hands-on experience in a safe, controlled environment, building familiarity with essential procedures. By providing an authentic and immersive learning experience, Wallcur helps trainees develop the practical skills and confidence needed to excel in real-world clinical settings.



Practi-Ampules for Training

The Practi-Ampule range offers both drug-specific and customizable designs, giving users the flexibility to create tailored labels for specific training scenarios. Available in clear and amber-tinted glass, the latter accurately simulates light-sensitive medications, ensuring a realistic and professional training experience.

Training Benefits for Users Include:

- Fluid displacement from top to bottom
- Sterile technique during aspiration
- Ampule opening/breaking

Practi-Adrenaline 1:1,000 1mg/1mL Ampule
1025469

Practi-Ampule 1mL Tint
1024815



Innovative Tools for Safe and Effective Medication Training:

- Realistic Design: Mimics real medications in look and feel
- Safe for Training: Compared to real or expired medication with active ingredient
- Hands-On Practice: Enables handling, preparation, and administration skills
- Error Prevention: Builds critical thinking to avoid medication errors
- Versatile Use: Supports various medical training scenarios
- Cost-Effective: Reduces reliance on real medications



NOT FOR HUMAN OR ANIMAL USE. FOR TRAINING PURPOSES ONLY.

Practi-Vials for Training

The Wallcur Practi-Vials provide versatile solutions for vial-related training. Offered in both drug-specific and customizable designs to suit diverse educational needs. Available in liquid and powder forms, clear and tinted glasses supporting a wide variety of scenarios.

Training Benefits for Users Include:

- Aseptic precautions specific to small and large sized vials
- Vial opening and handling dexterity techniques
- Vial reconstitution techniques

Practi-Vancomycin 500mg/10mL Powder Vial
1024923

Practi-Furosemide 100mg/10mL Tint Vial
1024899



Practi-IV and Blood Therapy Products for Training

Wallcur infusion bags are expertly crafted to replicate real infusion bags with remarkable accuracy. Designed in the same style as the most commonly used IV bag they provide an authentic look and feel, complete with realistic labeling that mirrors the design of real IV bags. The bags are durable and leak-proof, ensuring reliable use during training. Similarly, the Blood Therapy bags are market leaders in realism, featuring high-quality materials, detailed labeling, accompanied with 8 unique blood type stickers for an enhanced training experience.

Training Benefits for Users Include:

- Safe handling and setting up of IV bags
- Learning the correct procedures for hanging, priming, and adjusting the flow rate of IV bags
- Mastering the skills needed to set up, inspect, and manage blood transfusions

Practi-0.9% Sodium Chloride 250mL I.V. Solution Bag
1024778

Practi-Blood Bag
1024786



NOT FOR HUMAN OR ANIMAL USE. FOR TRAINING PURPOSES ONLY.

▶ SAFER TRAINING AND BETTER RESULTS WITH WALLCUR PRACTI-ORAL MEDICATIONS

Practi-Oral Medications for Training

The oral medication range is designed to simulate a variety of oral medication forms, including tablets, scored tablets, sublingual tablets, capsules, caplets, liquid solutions, suspensions, and powders. These realistic training aids are ideal for practicing the preparation, handling, and administration of oral medications. Perfect for healthcare training, they help ensure learners develop a strong, practical understanding of oral medications and how to manage them.

Training Benefits for Users Include:

- Tablet splitting for scored tablets
- Dosage calculation in general
- Reconstitution of suspension medicines
- Proper sterile handling of unit-dose medications

Practi-Alprazolam 0.5mg Oral-Unit Dose
1024981

Practi-Acetaminophen 240mg Oral-Bulk
1024994

Practi-Amoxicillin Suspension 125mg/5mL Oral-Unit Dose
1024984



NOT FOR HUMAN OR ANIMAL USE.
FOR TRAINING PURPOSES ONLY.



▶ TRAIN SMARTER WITH PRACTI-DROPPERS, INHALERS AND SPRAYS

Practi-Droppers, Inhalers and Sprays for Training

This range replicates real respiratory medications with exceptional accuracy, enabling learners to practice proper handling and dosing techniques in a safe, simulated environment. The inhalers and sprays are CFC-free and feature a non-medication aerosol propellant, delivering a realistic experience with the sensation of gas release during use.

Training Benefits for Users Include:

- The proper positioning of droppers, sprays and inhalers for installation
- Preparation of the correct dosage for use
- Practicing verbal instruction and demonstrating hand/breath coordination

Practi-Inhaler
1025007

Practi-Ear Dropper
1025014





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. Scenario based obstetric training includes normal deliveries, common complications during delivery, as well as obstetric emergencies.



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.

Features of the CTGi Fetal Heart Rate Simulator by iSimulate:

- Realistic function & detail: CTGi allows you to create realistic traces with exceptional detail. Manage maternal vitals, easily add decelerations, accelerations as well as contractions. Pause, rewind and fast forward with a swipe
- Versatile: CTGi can be used in many different teaching modalities, its interface is incredibly realistic with an interactive control iPad® to create traces easily
- Advance your training: Turn a low fidelity situation into high fidelity simulation. Name, save and replay scenarios and traces for teaching!

1022818



Fetal Heart Rate

Tocograph

Monitor



▶ A HIGHLY ADVANCED AND REALISTIC FETAL HEART RATE MONITOR SIMULATOR



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

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

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



Easy to clean genital insert



Forceps delivery



Vacuum-assisted delivery

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

Examples of Medicinal options:



Misoprostol



Prostaglandin



General Anesthetic



Paracetamol



Methyldopa



Ceftriaxone



Ringer Solution



NaCl



► THE 3B SCIENTIFIC® BIRTHING SIMULATOR P90 BASIC CAN BE UPGRADED TO THE PRO VERSION WITH THE UPGRADE KIT.

Birthing Simulator P90 PRO

The birthing simulator offers extremely realistic training features. It was developed specifically for the skill training in 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. 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).

Light Skin Tone 1022879 | Dark Skin Tone 1023328



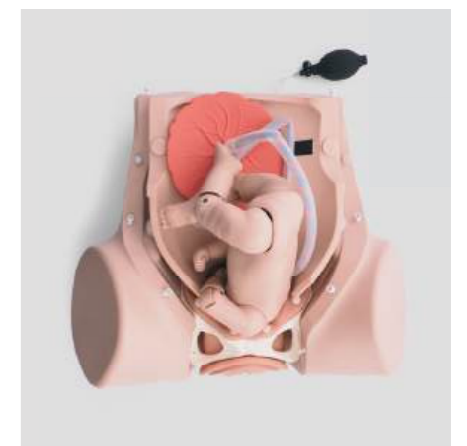
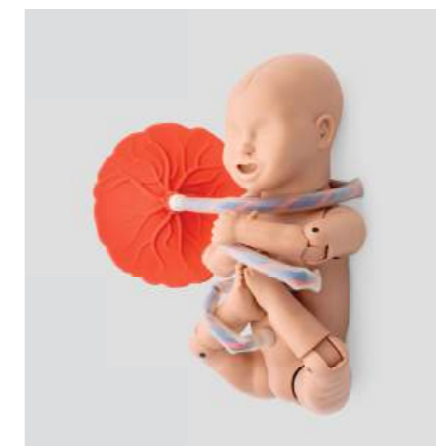
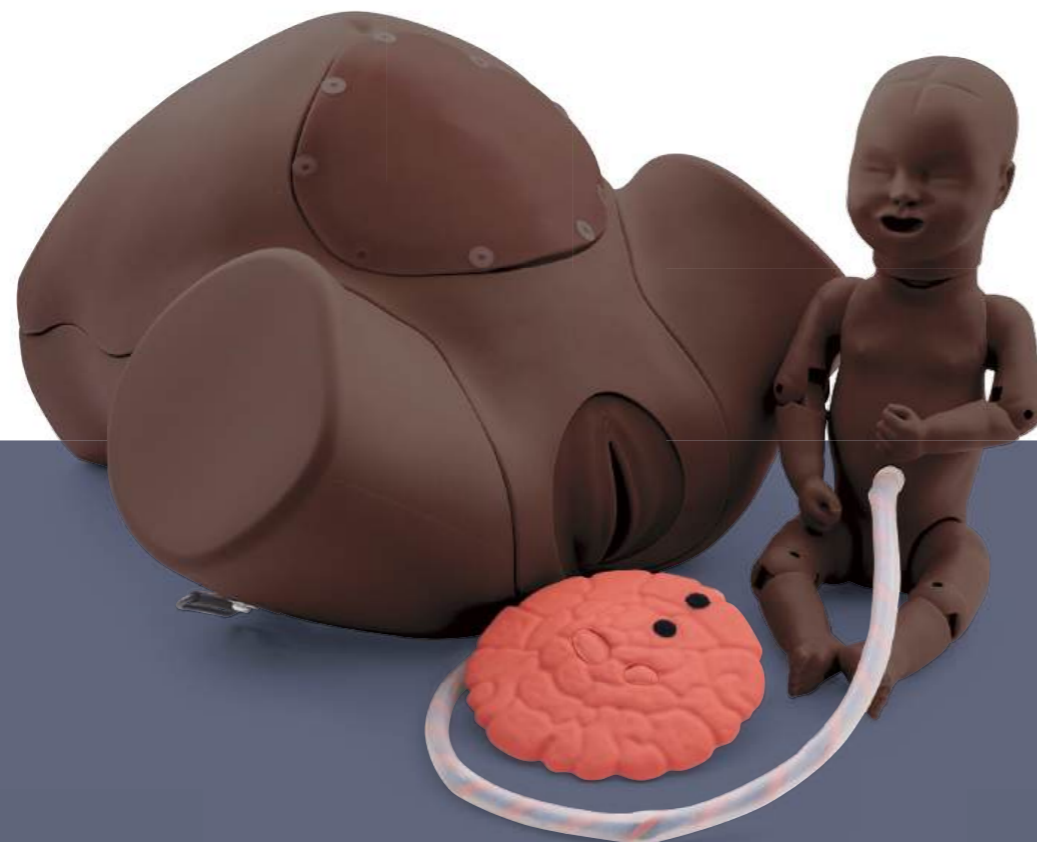
P90 PRO

P90 BASIC

Birthing Simulator P90 BASIC

The 3B Scientific® Birthing Simulator P90 BASIC has been developed for the skill training in normal deliveries, complicated deliveries and 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.

Light Skin Tone 1022878 | Dark Skin Tone 1023327

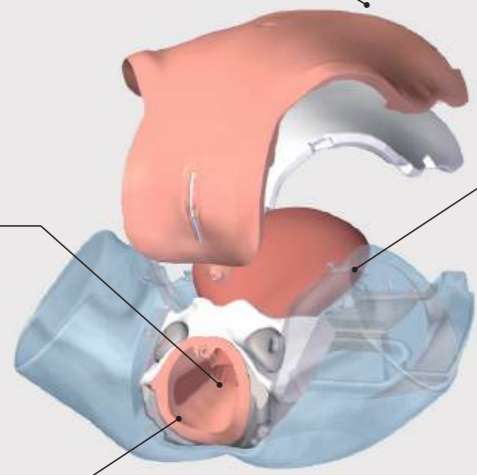


SKINlike™ high-quality silicone

Cervix bleeding
Realistic postpartum cervix



Vaginal bleeding
Suturable vaginal tears



Uterus bleeding
Adjustable uterine tone



Delivery of a retained placenta



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

Light Skin Tone 1019639 | Dark Skin Tone 1023329



Postpartum Hemorrhage Simulator P97 PRO

If you are looking for a PPH trainer that is compact, easy-to-use and durable, the PPH simulator P97 PRO from 3B Scientific is the ideal solution to provide hands-on and realistic training sessions for early recognition, systematic evaluation and treatment of postpartum hemorrhage.

The PPH simulator focuses on the following three postpartum bleeding causes:

- Uterine atony (Tonus)
- Laceration and rupture (Trauma)
- Retained tissue from the placenta (Tissue)

Light Skin Tone 1023727 | Dark Skin Tone 1023975



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 82).

The benefits of using Birthing Stages Trainer P94:

- The trainer consists of a set of 6 different pelvic inserts with very 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.

Light Skin Tone 1020628 | Dark Skin Tone 1023330



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 GYNECOLOGY SKILLS CURRICULA

Gynecological Skills Trainer P91

The Gynecological 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

Light Skin Tone 1021592 | Dark Skin Tone 1023305



Practice didactic catheterization



Tenaculum Practice

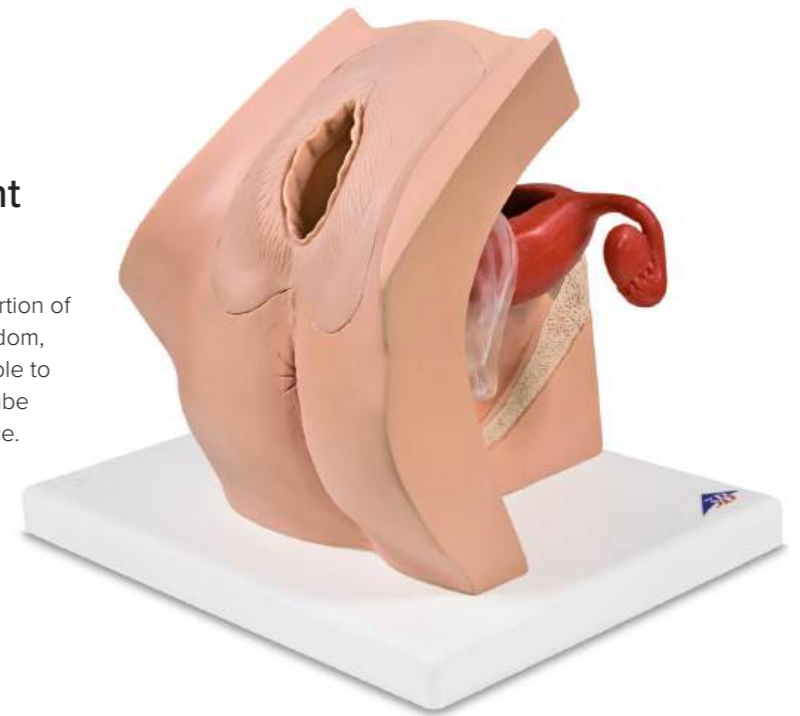


Use of real gynecologic tools

Model for Gynecological Patient Education P53

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

Light Skin Tone with Aluminium Carrying Case 1000342
 Light Skin Tone without Aluminium Carrying Case 1000343
 Dark Skin Tone with Aluminium Carrying Case 1023307
 Dark Skin Tone without Aluminium Carrying Case 1023308





Condom Training Kit L42/L43

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.

Light Skin Tone 1000346
 Dark Skin Tone 1023302



► 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-examination, the trainer also includes the corresponding transrectal sonographic imaging (transrectal ultrasound, TRUS) for each stage. The compact shape of the DRE Trainer makes it easy to store and the perfect skill trainer for every medical simulation lab.

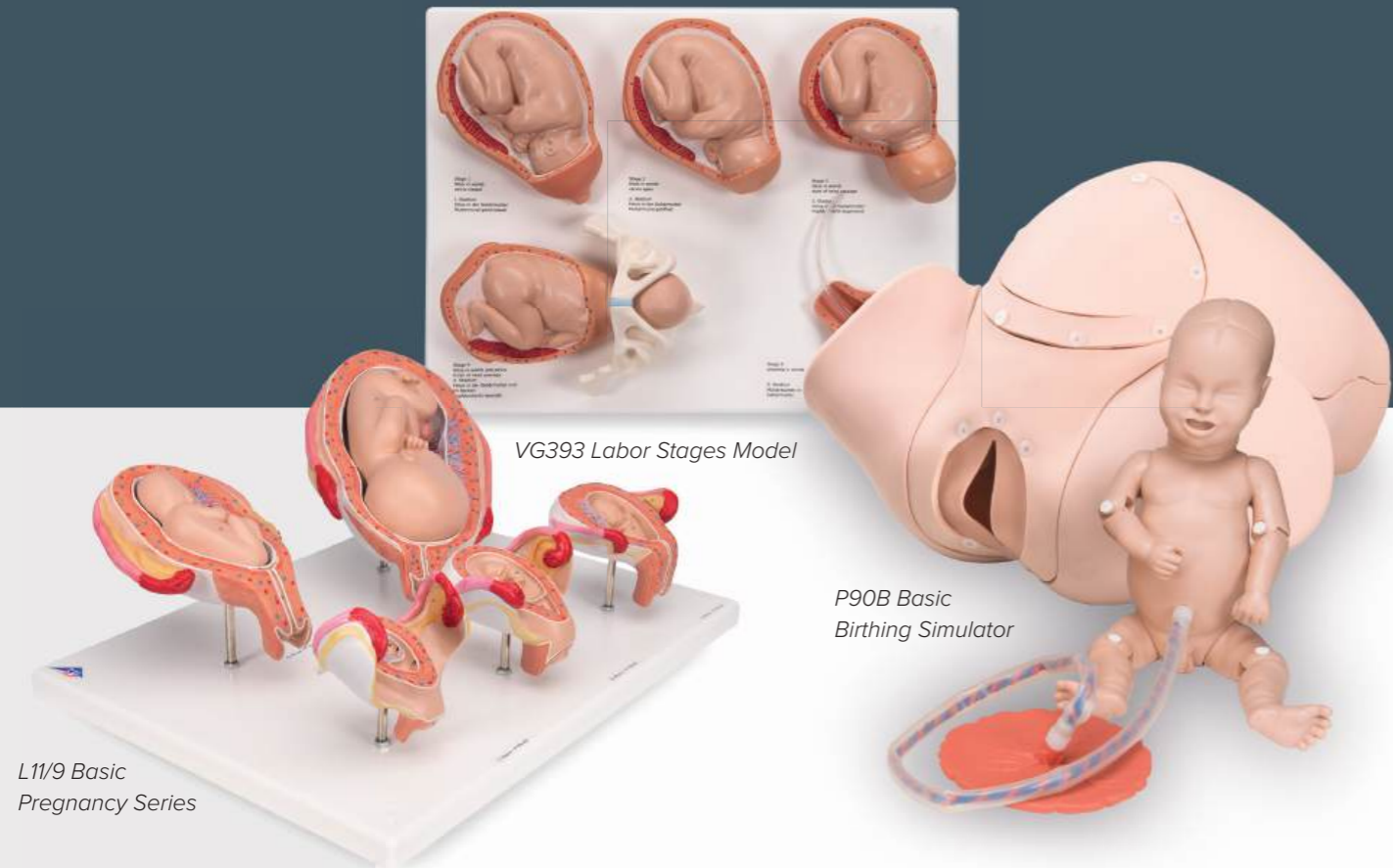
Palpable Stages:

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

1013116



► SIMULATION KITS – BUY TOGETHER AND SAVE!



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. Every original 3B Scientific® Anatomy Model gives you direct access to its digital twin on your smartphone, tablet or desktop device. Download the **3B Smart Anatomy app** and step into the virtual world of Human Anatomy.

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



► GREAT FOR ANY ANESTHESIOLOGY PROGRAM!

Anesthesiology Lab Set

The Anesthesiology Lab Set 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 3B Smart Anatomy. To unlock the 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
- Durable construction, easy to clean
- Free access to 3B Smart Anatomy

Lumbar Spine 8000890
Cervical Spine 8000891



P61 Epidural & Spinal Injection Sim

A74 Lumbar Spinal Column

L20 Pregnancy Pelvis



A72 Cervical Spinal Column

P67 Image Guided Cervical Spine Injection Trainer



Transforming Medical Training with Interactive Learning Environments

Step into the future of medical education with the power of immersive technology. Transforming the way we learn and practice, immersive solutions in the medical simulation sector blend advanced technology with groundbreaking innovations to create engaging and effective training experiences. By simulating real-world scenarios in customizable, fully interactive spaces, these environments redefine how learners interact with their surroundings. These advancements provide a safe, repeatable, and highly effective training platform, bridging the gap between theory and practice.

This chapter delves into how immersive simulation is revolutionizing healthcare education, enabling learners to immerse themselves in a world of limitless possibilities.



Recreate any environment and bring learning to life with dynamic, interactive scenarios

Our simulation rooms provide a safe environment with which to deliver the complex hazards of the workplace into a safe environment. Recreating the highly stressful and often chaotic environments of a busy A&E department, resuscitation bay or operating theatre with realistic sights, sounds and smells is all part of preparing your teams to deliver the best focused care they can.



Train as a team
Create challenging scenarios and simulations which encourage teamwork and communication.



Experiential learning
Prepare your team with for real-world situations with realistic sights, sounds and smells.



Edit with Ease
Our fully integrated system allows you to discover, create and edit content easily, resulting in a completely tailored experience for your students.



Fully Interactive
An interactive, immersive world that students can engage with through touch, sight, smell and sound.



Limitless medical content
Utilise content from the huge in-built library, use third party resources or create your own scenarios and upload your own images, video or other media.



Training and Support
Our team will provide in-depth training and continuous support every step of the way.

► TEACH, LEARN AND COLLABORATE USING IMMERSIVE TECHNOLOGY

In Hospital Simulation

Deliver advanced learning through our fully immersive medical training rooms. Recreate the experience of working in a busy A&E department, resuscitation bay or operating theatre with realistic sights, sounds and smells.

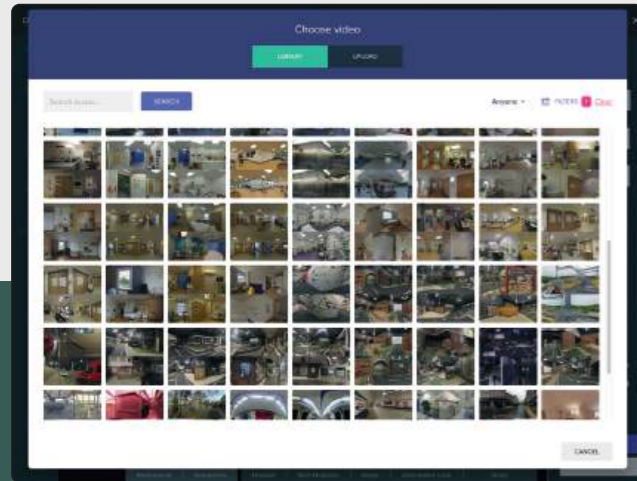
In Pre Hospital Simulation

Empower your people with our transformative medical training interactive simulation rooms. Train in real environments captured in the highest fidelity; roadsides, ambulances, public spaces, workplaces, domestics.

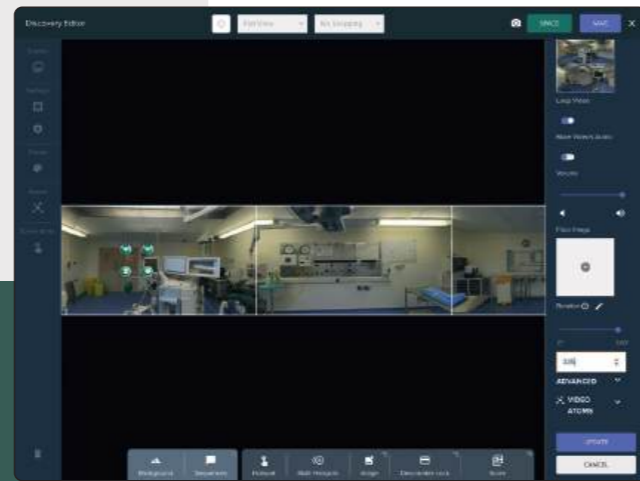


Immersive Studio Editing Suite

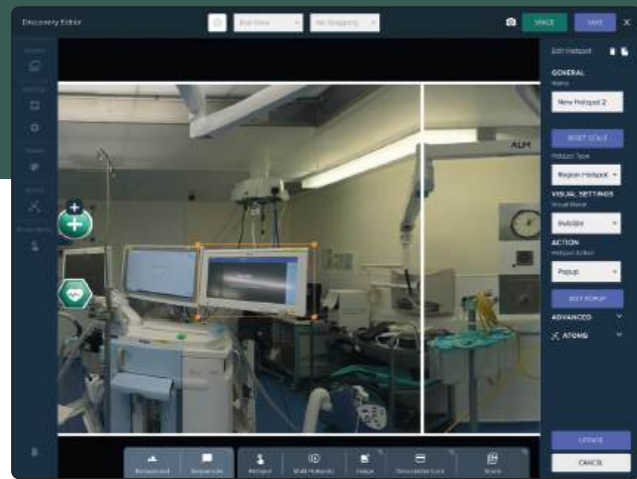
Making your own interactive cases, simulations or scenarios is easy with our dedicated cloud-based editor. In just 4 steps you can create impactful, professional immersive experiences customised to the needs of your students.



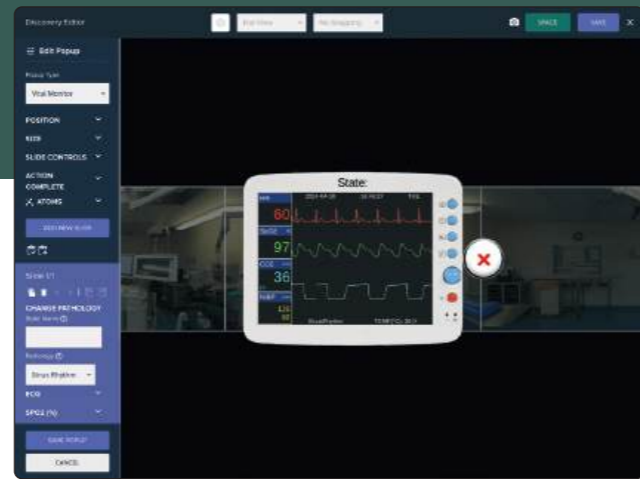
Use an existing environment or create your own
You can film your own 360° video or choose from thousands in our cloud based library.



Create your scenario
You can add text, videos, check-lists, web overlays, quizzes and other pop ups or link scenes together for branching scenarios.



Make it interactive
Add visible, or invisible and multi-hotspots, escape room locks or tablet controls.



Customise
Our flexible software allows you to apply themes or customise every aspect of the style while previewing in the virtual room. When you are ready to publish your experience will synchronise to your immersive room.



Ready to go content

We have a range of ready to go pre-hospital and in-hospital content that you can utilise and edit to fulfil your training objectives.



Escape Rooms – foster teamwork, observation and problem solving.



Identify the hazards / orientation within spaces.



RTC - Recreate hazardous Environments in a safe and controlled manner.



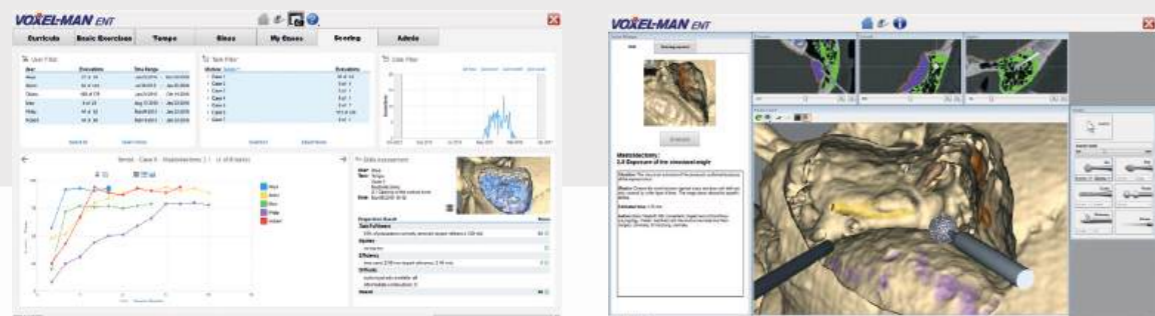
Patient Handover – simulate high pressure situations.



Domestic - Paediatric and adult scenarios in challenging locations.



Simulation - make information, vitals and scans available for students in realistic settings.



Voxel-Man ENT Virtual Reality Simulator

Voxel-Man ENT is a complete Virtual Reality (VR) Surgical Simulation System designed for temporal bone dissection. Optional features include simulations for endoscopic sinus surgery, the ability to create custom training cases, and tools for generating digital models for 3D printing.

Advantages of the Voxel-Man VR Training Systems:

- Safe training environment with objective skills assessment
- Predefined training cases and natural variabilities and pathologies
- Training of surgical approaches and manual dexterity
- Authorization of training cases and tasks
- Independent validation studies
- Reduced costs for surgical training lab

Hardware Modules

Pick one out of five options

| | |
|---|---------|
| Workstation Simulator | 1025179 |
| Workstation Simulator with Housing | 1025180 |
| Workstation Simulator with Autostereoscopic Display | 1025181 |
| Workstation Simulator with Autostereoscopic Display and Housing | 1025182 |
| Lite Simulator | 1025183 |

Software Modules

| | |
|--------------------------|--------------------|
| Tempo Software Module | 8001065 |
| My Cases Software Module | 8001066 (Optional) |
| Sinus Software Module | 8001068 (Optional) |
| 3D-Druck Software Module | 8001079 (Optional) |



▶ MONITOR AND COMPARE YOUR PROGRESS OVER TIME!

Voxel-Man Dental Simulator

Virtual reality training in dentistry. The dental VR simulation features teeth and instruments visualized on a 3D screen, both one and two-handed operation of instruments, a database of different pathologies, automatic skills assessment and monitoring of progress.

Hardware Modules

Pick one out of five options

| | |
|---|---------|
| Workstation Simulator | 1025179 |
| Workstation Simulator with Housing | 1025180 |
| Workstation Simulator with Autostereoscopic Display | 1025181 |
| Workstation Simulator with Autostereoscopic Display and Housing | 1025182 |
| Lite Simulator | 1025183 |

Software Modules

| | |
|--------------------------|--------------------|
| Dental Software Module | 8001246 |
| My Cases Software Module | 8001066 (Optional) |
| 3D-Druck Software Module | 8001079 (Optional) |

1025180



Asclepius TBK Virtual Dissection Table

The Asclepius TBK series offers versatile virtual dissection tables with options in size and resolution, including detailed 4K imaging. Designed for medical education and research, they feature advanced tools for precise, interactive anatomy exploration.

- Fully annotated human and animal anatomy with detailed labeling, multiple planes of view (coronal, sagittal, transverse), and in-depth visualization of all body systems.
- Regional anatomy divided into 11 sections (e.g., reproductive and respiratory systems) with pictorial presentations to enhance learning and retention.
- Multiple size options available: 43", 65", 84", and 99" models to fit various needs.
- Touchscreen technology allows precise interaction with virtual anatomical models.
- Enables integration of external data, including CT and MRI scans.
- Customizable view modes allow isolation and highlighting of specific structures.
- Over 12,000 preloaded quizzes aligned with the medical curriculum, plus a cloud-based system for professors to create and customize assessments.

► VISUALIZE DETAILED HUMAN AND ANIMAL ANATOMY WITH DYNAMIC INTERACTION

TBK 43 LT Virtual Dissection Table

Portable and classroom-friendly, perfect for hands-on student learning.

Software include: Anatomy, Radiology

1023468



TBK 65 4K Virtual Dissection Table

Tilts to wallboard mode with 4K resolution for effective large-class anatomy demos.

Software include: Anatomy, Radiology, Histopathology Atlas, CTRender, Embryology, Animal Anatomy

1023470

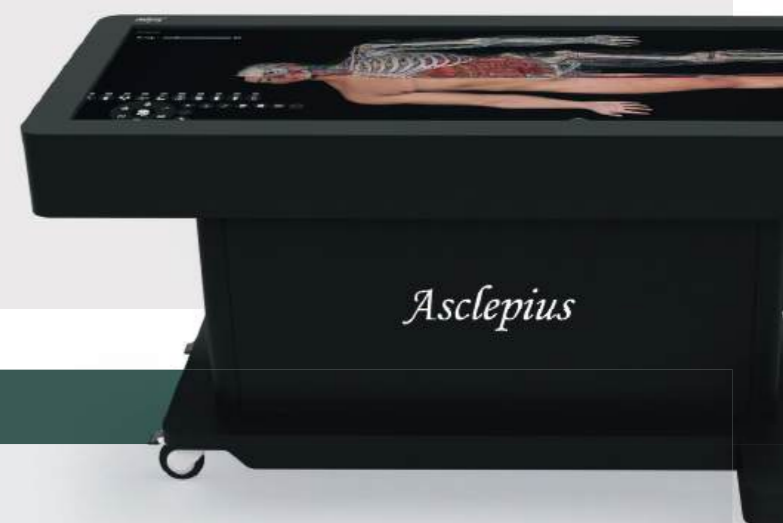


TBK 99 EA Virtual Dissection Table

The world's largest 99-inch touch anatomy table, offers life-sized visuals for realistic learning and large-scale teaching.

Software include: Anatomy, Radiology, Histopathology Atlas, CTRender, Embryology, Animal Anatomy

1023474



TBK 84 EA Virtual Dissection Table

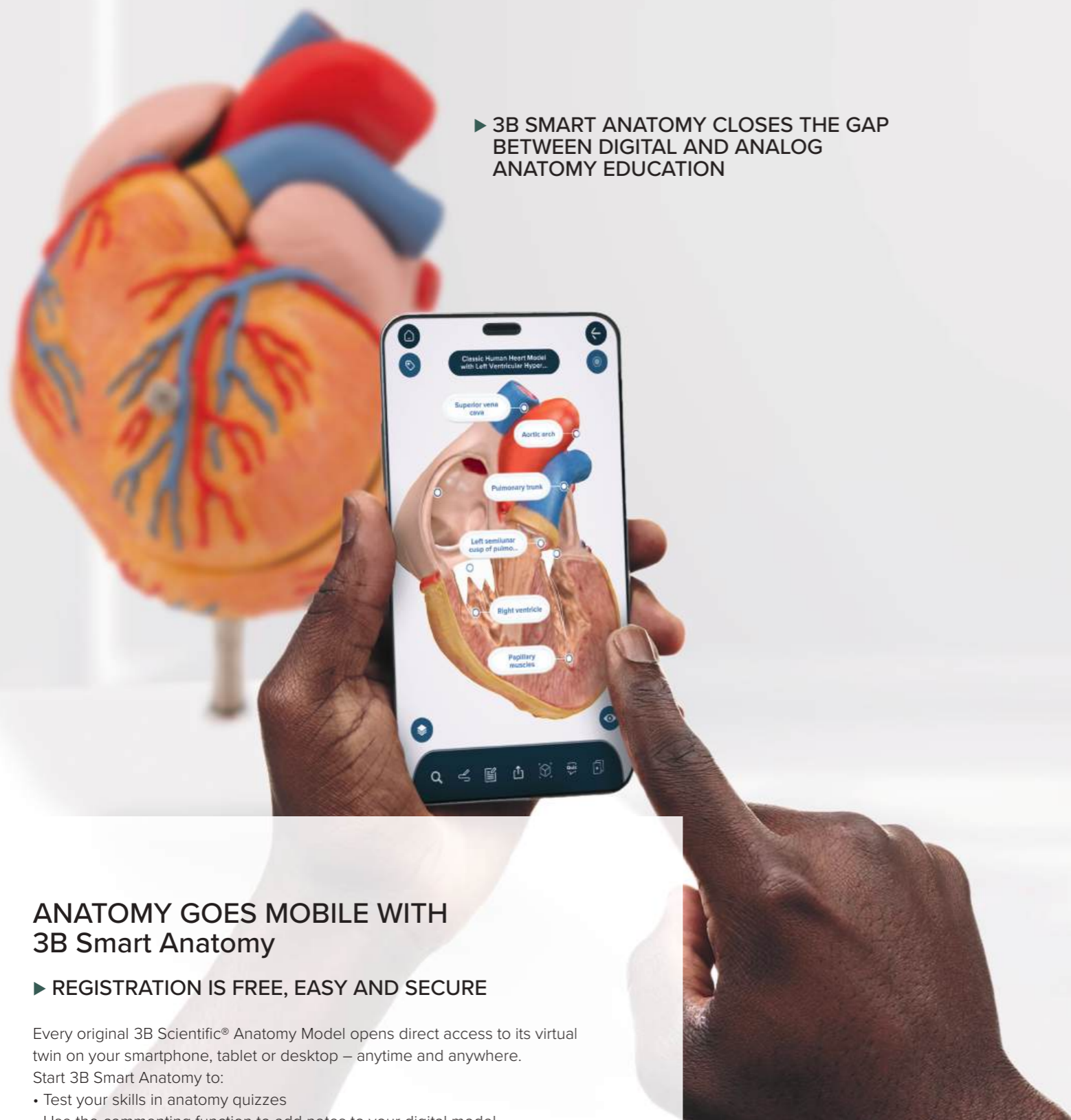
Larger display enhances realism and image quality.

Software include: Anatomy, Radiology, Histopathology Atlas, CTRender, Embryology, Animal Anatomy

1023472



► 3B SMART ANATOMY CLOSSES THE GAP BETWEEN DIGITAL AND ANALOG ANATOMY EDUCATION



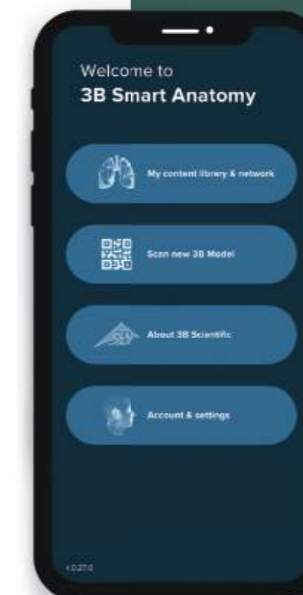
ANATOMY GOES MOBILE WITH 3B Smart Anatomy

► REGISTRATION IS FREE, EASY AND SECURE

Every original 3B Scientific® Anatomy Model opens direct access to its virtual twin on your smartphone, tablet or desktop – anytime and anywhere.

Start 3B Smart Anatomy to:

- Test your skills in anatomy quizzes
- Use the commenting function to add notes to your digital model
- Access your files both online and offline



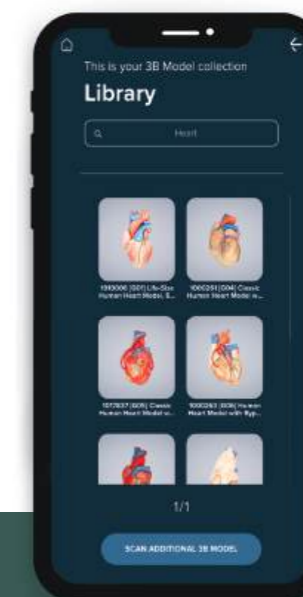
Simple main menu allows easy navigation:

- Access to your personal image library and network
- Scan function which allows you to scan your 3B Scientific® Model and unlock its virtual content
- About your Account and personal settings



Once you have opened the 3D virtual content, you have access to a variety of useful tools:

- Image rotation / zoom in / zoom out
- Call up of anatomical structures (in multiple languages)
- Drawing and Note function allows you to customize your personal view with additional useful information
- Augmented Reality function
- Quiz function to test and improve your anatomical knowledge



You can view and manage your 3B Scientific® Models and their virtual content at any time in your personal library.



Test your personal anatomical knowledge with the Quiz function:

- Receive instant results
- Final score evaluation

► SCAN TO LEARN MORE ABOUT 3B SMART ANATOMY AND OUR MODELS



NOW INTRODUCING VETERINARY SIMULATION



WANT TO KNOW MORE ABOUT VSI? SCAN HERE!

Veterinary Simulators international is now part of the 3B Scientific group: We manufacture best in class simulators that allow veterinary students to become proficient in their diagnostic and practical skills without the need to endanger or cause unnecessary discomfort to live animals. Our simulators intersect with curriculum requirements to provide maximum benefits to students and educators.