

CLINICAL SKILLS LAB (NMC Guideline)



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SEM - Scientific Educative Methods in Science, Engineering & Medicine

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Science, Engineering & Medicine

Think Tank and Consultants
in Medical Clinical Skills Laboratories



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Partial List of Skills Lab Set Up All India

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SEM Understands

- The challenges involved in saving life in hospitals or disaster sites.
- Saving life begins with the right knowledge and appropriate training methods. Saving life begins with appropriate learning and training equipment's.
- The supreme importance of quality and excellence
- The prime importance of affordability to all.
- Combined excellence in quality, appropriate training equipment's & right affordability
- The best and most comprehensive range of appropriate training equipment's.
- Highest world class quality ISO-DIN 9001 Quality Certification Standard Worlddidac Quality Charter
- Lowest Costs - Factory to your door - delivery anywhere in India
- Highest medical safety, portability, durability, medical fidelity
- Certified by world renowned agencies to be “within limits for toxic and carcinogenic contaminations and emissions.”

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NMC Skills Lab Guidelines



भारत का राजपत्र

The Gazette of India

असाधारण
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भाग II — खण्ड 1
PART II — Section 1
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PUBLISHED BY AUTHORITY

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No. 49] NEW DELHI, THURSDAY, AUGUST 8, 2019/SHRAVANA 17, 1941 (SAKA)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

MINISTRY OF LAW AND JUSTICE
(Legislative Department)
New Delhi, the 8th August, 2019/Shravana 17, 1941 (Saka)

The following Act of Parliament received the assent of the President on the 8th August, 2019, and is hereby published for general information:—

THE NATIONAL MEDICAL COMMISSION ACT, 2019
No. 30 OF 2019
[8th August, 2019.]

An Act to provide for a medical education system that improves access to

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9. SKILLS LABS

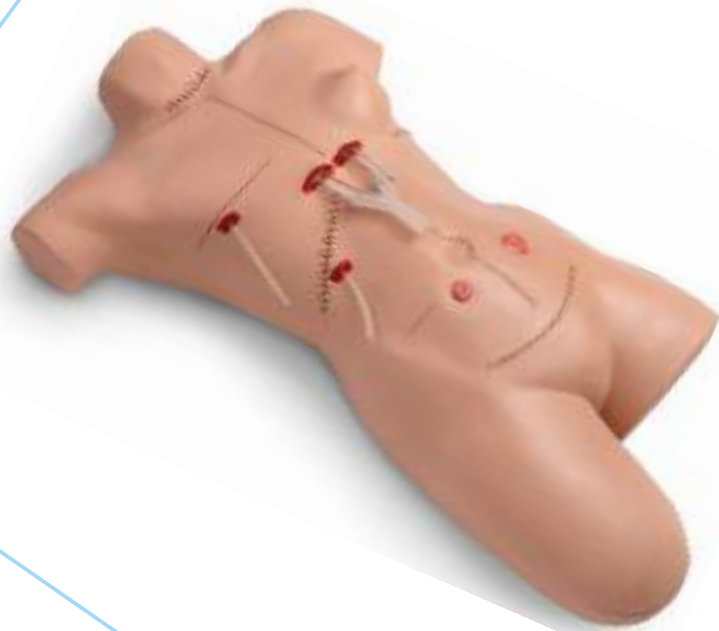
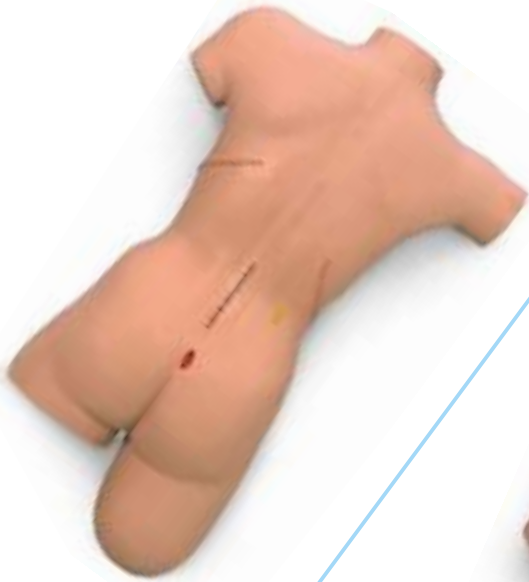
(i) Trainer simulators / models / mannequins for:

- First aid, Bandaging, splinting
- Basic Life Support (BLS), CPR (Cardio Pulmonary Resuscitation) mannequin
- Various types of injections- Subcutaneous, Intra-muscular, Intra-venous
- Urine Catheter insertion
- Skin & Fascia suturing
- Breast examination model /mannequin
- Gynecological examination model/mannequin including IUCD (Intra Uterine Contraceptive Device) Training model
- Obstetric mannequins including Obstetric examination, conduct and management of vaginal delivery.
- Neonatal & Pediatric resuscitation mannequins
- Whole body mannequins
- Trauma mannequin

(ii) Each model (Low or High Fidelity) should have a module for training including objectives, methods and assessment. Modules can also have hybrid models where real patients or standardized/simulated patients/ computer simulations can be used.

(iii) There shall also be space for CAL lab with adequate computers.

First aid, Bandaging, Splinting

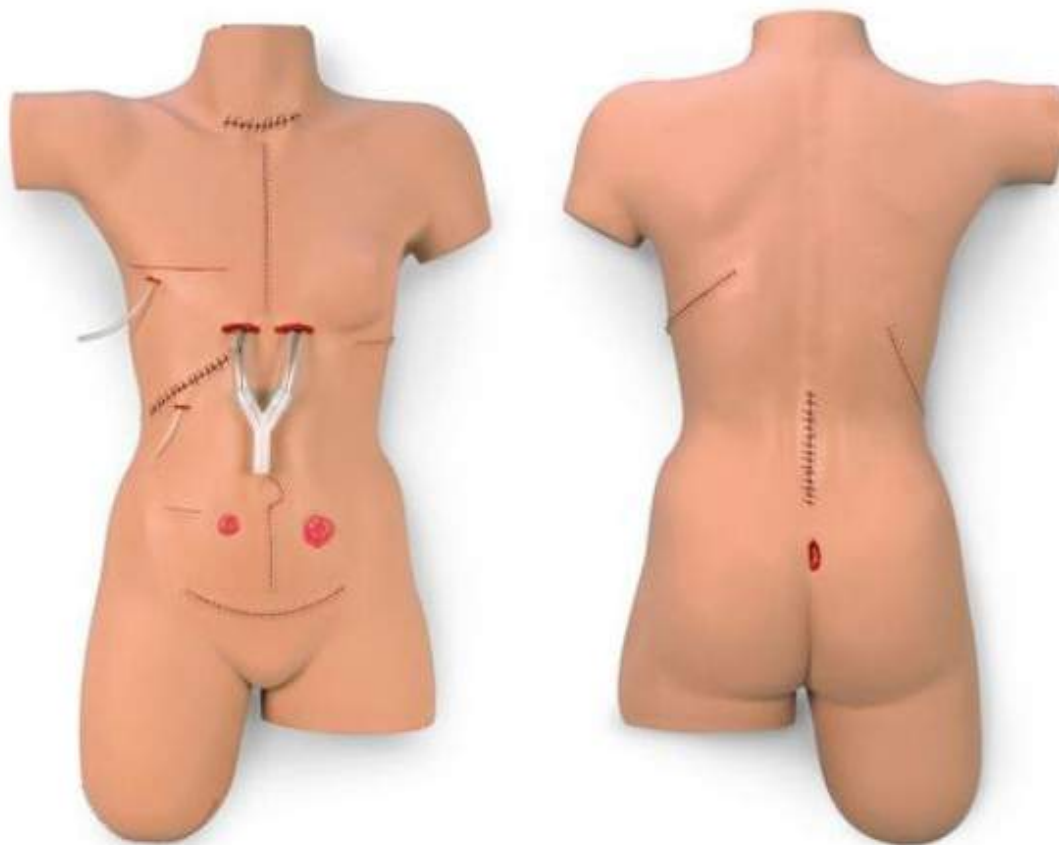




“Surgical Sally” Bandaging Simulator

Model No. LF00929 Sh. wt. 26 lbs.

Make: Nasco Healthcare, USA



- Female “patient” with 14 surgical wounds including an abdominal hysterectomy, appendectomy, cholecystectomy with simulated T-tube, colostomy, ileostomy, laminectomy, laparotomy, leg amputation stump, mastectomy with simulated drain, mid-sternal split with simulated drains, nephrectomy, thoracotomy, thyroidectomy, and sacral decubitus ulcer — stage 2
- Conveniently practice wound management skills, dressing changes, and bandaging techniques
- Flexible, flesh-colored skin realistically responds to adhesives and all types of bandaging procedures
- Skin with realistic look and feel has been reformulated so it is drier, allowing the bandages to adhere better
- 29 in. L x 17 in. W x 8 in. D
- Includes hard carry case
- Staples and sutures cannot be removed
- 5-year warranty



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First Aid Arm

Model No. LF01005 Sh. wt. 21 lbs.

Make : Nasco Healthcare, USA



- Make synthetic blood flow from the cut on the forearm, the severed thumb, or from both at the same time
- Regulate rate of bleeding and create venous or arterial flow
- Blood returns to collection tray for reuse
- Pressure points function realistically at wrist and upper arm
- Includes arm with wound, severed thumb, collection tray, arterial pulse bulb, venous supply bag, 1 quart Life/form® blood, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty

Consumables & replacement parts	Model No.
Venous Blood Quart. Sh. wt. 0.38 lbs. Gallon. Sh. wt. 0.88 lbs.	LF00845U LF00846U
Fluid Supply Stand 5 in. x 8 in. base, 5/16 in. steel hooked rod Sh. wt. 4 lbs.	LF01022U
Fluid Supply Bag 500 ml Sh. wt. 0.38 lbs.	LF01017U



2

Basic Life Support (BLS) Cardio Pulmonary Resuscitation (CPR) Mannequin



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Prestan Adult CPR Training Manikin

Model No. : PP-AM-100M-MS (Make: Prestan, USA)



Professional-quality manikin at a fraction of the cost! Comprehensive design allows for practice of Heimlich maneuver and abdominal thrusts, as well as CPR and mouth-to-mouth breathing. Realistic anatomical markings (Adam's apple, carotid arteries, navel, rib cage, chest notch) make it easy to learn correct hand placement for checking pulse, performing chest compressions, and more.

Prestan Professional CPR-AED Manikins are now approved for use by American Heart Association for the American Red Cross layperson and professional rescuer training courses.

Realistic to the eye and the touch, the Prestan Adult Professional Manikin is unlike any other on the market. Prestan manikins are uniquely designed as a clamshell and accommodates an easy-to-insert face shield/lung bag.

The Prestan manikins are equipped to be used with ANY AED trainer on the market today. The manikins come in three skin tones: Light, medium, and dark, and come with or without the CPR Monitor. They come individually, in a convenient four pack, or in a "Family Pack," consisting of an adult manikin, a child manikin, and an infant manikin.

Compression Clicker sound to give feedback and Compression Depth

2019 AHA Compliant with CPR Rate Monitor: Prestan's revolutionary new CPR Rate Monitor allows for instant feedback to both instructor and student regarding the rate of chest compression. This allows each student to gauge their rate of compressions on their own as well as allowing the instructor to monitor several students quickly and easily.

Product Dimensions and Weight:

- Weight: 7 lbs.
- Dimensions: 7" x 14" x 23"

Contents:

- Prestan Adult Manikin
- (OPTIONAL CPR Monitor)
- 10 Lung Bags
- Instruction Sheet
- 1 Nylon Carrying Case



- Red light: 1 to 59 compressions per minute
- Yellow light: 60 to fewer than 79 compressions per minute
- One green light: 80 to 99 compressions per minute
- Two green lights: 100 compressions per minute





PRESTAN PROFESSIONAL ADULT SERIES 2000 MANIKIN

Model No. : PP-AM-2000-MS (Make: Prestan, USA)



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

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

Fully compliant with current industry guidelines, including the Heart and Stroke Foundation of Canada's February 2021 *Use of Feedback Devices in Resuscitation Training Courses Policy* and the most recent AHA Integrated Feedback Directive. Available in medium or dark skin tones, with CPR Feedback only and in Single or 4- Pack configurations.

The Prestan Professional Training Manikin series is unlike any other on the market. Uniquely designed for realistic experiences, they are available individually or in sets of four for group training. The manikins are designed to match the real-life CPR experience. In CPR training, a precise feedback indicator is vital. The Prestan's revolutionary CPR Rate Monitor provides instant feedback to both instructor and student on the correct compression depth. It enables each student to individually gauge their compression rate as well as allowing the instructor to monitor several students simultaneously. It is equipped with a unique Clicker Mechanism that gives an alert sound when the correct compression depth is reached. This helps ensure the students are using the correct force when administering CPR compression.

ADDITIONAL DETAILS:

The PRESTAN CPR Feedback App

Providing high-quality, real-time, advanced CPR feedback via a Bluetooth® connection with the PRESTAN Professional Adult Series 2000 Manikin. Advanced CPR feedback (includes rate, depth, recoil, ventilation, and hands-off time) is monitored, easily displayed, and available for reporting allowing students to self-monitor performance and gain confidence during CPR training.

The app allows instructors to provide comprehensive CPR training while monitoring CPR performance for up to six (6) students at a time. This app is also equipped with a reporting feature that allows for CPR training results to be downloaded directly from the app.



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Prestan Professional AED Trainer PLUS with English/French Module

Model No. : PP-AEDT2-102

Make: Prestan, USA



The PRESTAN Professional AED Trainer PLUS is a leading-edge AED Trainer that most closely resembles brand AED Trainers in size and weight for a realistic training experience. This AED trainer features customizable options to match various training environments, including a child button. For use with patented PRESTAN Pad Sensing System

Clear, confident voice prompts with optional CPR prompts to help the student keep pace with chest compressions.

Easy to replace module containing current CPR guidelines and two languages. Comes standard with English/French language option.

A remote is optional and available for instructors who prefer this feature. A single remote will control several AED Trainers within its range

Prestan Professional AED Trainer PLUS (4 C batteries not included)

Includes:

English/French Module

One set of Adult/Child Training Pads with Pad Sensing System

Pads Storage Case

Carry Bag and Instructions

PRESTAN offers a THREE YEAR LIMITED WARRANTY against any defects in workmanship or materials under normal use with respect to its PRESTAN AED TRAINERS.



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NG Tube & Trach Skills Simulator

Model No. : LF01174U Sh. wt. 24 lbs.

Make : Nasco Healthcare, USA.

- Realistic landmarks, trachea, esophagus, lungs, and stomach
- Thickener can be mixed with water to simulate mucous-like fluids of a real patient
- Fluid can be added for realistic tracheostomy care and suctioning
- Allows for the practice of dressing changes and cuff inflation
- Realistic procedures include NG tube care, including insertion, irrigation, and removal; gastric lavage and gavage; feeding tube insertion and removal with the ability to practice feeding; nasoenteric and esophageal tube care; oropharyngeal and nasopharyngeal care; and tracheostomy tube care
- Intubation using a laryngoscope blade and size 6.0 ET tube may also be practiced
- Designed to use size 6 tracheostomy tube, a size 6.0 mm ET tube, and a size 6 NG tube
- Includes spray-pump lubricant, a packet of thickener, instruction manual, and hard carry case
- Simulator does NOT include tracheostomy, ET, or NG tubes
- 5-year warranty



Consumables & replacement parts	Model No.
Replacement Lungs Sh. wt. 3 lbs.	LF01174(A)U
Replacement Stomach Sh. wt. 0.19 lbs.	LF01174(B)U





Airway Larry- Adult Airway Management Trainer with Stand

Model No. : LF03699U Sh. wt. 30 lbs.

Make : Nasco Healthcare, USA

A professionally made platform that simulates a non-anesthetized patient with realistic anatomy and landmarks. Ideal for practicing oral, digital and nasal intubation, suction techniques and proper cuff inflation. Suitable for both introductory classes and advanced students.

Key Features:

- Learn correct oral, digital and nasal intubation as well as E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube® and King System insertion
- Allows for practice on correct suction and cuff inflation techniques
- Realistic jaw thrust technique and Sellick maneuver instruction
- Manual carotid pulse
- Bifurcated lungs
- Includes carrying case and spray lubricant



Realistic Anatomy and Landmarks including:

- Teeth
- Tongue
- Oral and nasal pharynx
- Larynx
- Epiglottis
- Arytenoids
- False cords
- True vocal cords
- Trachea
- Lungs
- Esophagus
- Stomach
- 5-year warranty.

Various types of injections: Subcutaneous, Intra-muscular, Intra-venous





Multipurpose Venous Training Arm

Model No. : SB23444(L) Sh. wt. 8.50 lbs.

Make: Nasco Healthcare, USA



- Administration of medication by intravenous bolus
- Blood collection exercises
- Intramuscular injection site in deltoid area
- Cephalic, basilic, antecubital, radial, and ulnar veins
- Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Veins in dorsum of hand
- Includes Lucite® base with stand, simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, funnel, talcum powder, instruction manual, and soft carry bag

Consumables & replacement parts	Model No.
Replacement Veins Sh. wt. 1.25 lbs.	SB50849U
Replacement Skin Sh. wt. 1.25 lbs. Light	SB50850(L)U

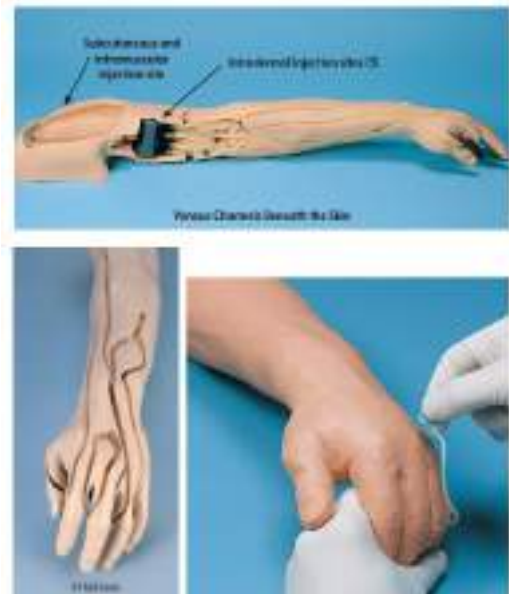




Advanced Venipuncture and Injection Arm

Model No. : LF01121U Each. Sh. wt. 20 lbs.

Make: Nasco Healthcare,USA



This revolutionary training arm provides complete venous access for IV therapy, phlebotomy, intramuscular and intradermal injections. An extensive 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters.

Soft, flexible fingers are molded separately with extreme attention paid to every detail - right down to the fingerprints! Flexion of the wrist helps students develop manipulation skills. The replaceable skin rolls as the veins are palpated, and a discernible "pop" is felt when entering the veins.

Key Features

- Simplified setup with one external fluid bag supplying artificial blood to all veins simultaneously
- Dorsal surface of hand includes injectable metacarpal, digital, and thumb veins. Antecubital fossa includes the median cephalic, median basilic, and median cubital veins
- Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins
- Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm.
- Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region.
- Intradermal injections using distilled water will create characteristic skin welts at designated sites on the upper arm

Complete Venous Access:

- Basilic V.
- Cephalic V.
- Digital V.
- Dorsal Metacarpal V.
- Median Basilic V.
- Accessory Cephalic V.
- Extensive Venipuncture System
- Flexible Fingers and Wrist
- Intradermal Injections
- Intramuscular Injections
- Median Antebrachial V.
- Median Cephalic V.
- Median Cubital V.
- Replaceable Skin and Veins
- Thumb V.
- Five-year warranty.

Consumables & replacement parts	Model No.
Replacement External Tubing Sh. wt. 0.25 lbs.	LF00990U





Infant IV Arm

Model No. : LF03637U Sh. wt. 2.50 lbs.

Make : Nasco Healthcare, USA



- **Life/form® Infant IV Arm**
- Special, extremely thin, synthetic skin, and tubing with appropriately small lumen and thin walls
- Cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand
- Includes 2 IV bags with clamps, 1 pint blood, and winged infusion set
- 5-year warranty

Consumables & replacement parts	Model No.
Infant IV Arm Replacement Skin and Veins Sh. wt. 2.50 lbs.	LF03641U
Blood Quart. Sh. wt. 0.38 lbs. Gallon. Sh. wt. 0.88 lbs.	LF00845U LF00846U
Fluid Supply Bag 500 ml. Sh. wt. 0.31 lbs.	LF01130U
Fluid Supply Stand • 5 in. x 8 in. base, 5/16 in. steel hooked rod Sh. wt. 4 lbs.	LF01022U



Pediatric Arm

Model No. : LF00958U Light
Sh. wt. 11 lbs. **Make:** Nasco Healthcare,USA



- Exact reproduction of the arm of a 6-year-old child
- Practice venipuncture and intramuscular injection techniques and procedures used in young children
- Soft foam is used to simulate the deltoid muscle and allows the student to “get the feel” of administering intramuscular injections to children
- Simulated bone in the shoulder defines and limits the injection area
- Water may be used as an injection fluid in the shoulder area
- Includes a Life/form® arm, fluid supply bag, 3 cc syringe, 1 pint Life/form® blood, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty
- Carton size: 22 in. x 11 in. x 6 in.

Consumables & replacement parts	Model No.
Pediatric Arm Replacement Skin and Vein Kit Sh. wt. 1.50 lbs.	LF00986U
Pediatric Arm Vein Replacements Only Sh. wt. 0.25 lbs.	LF01056U

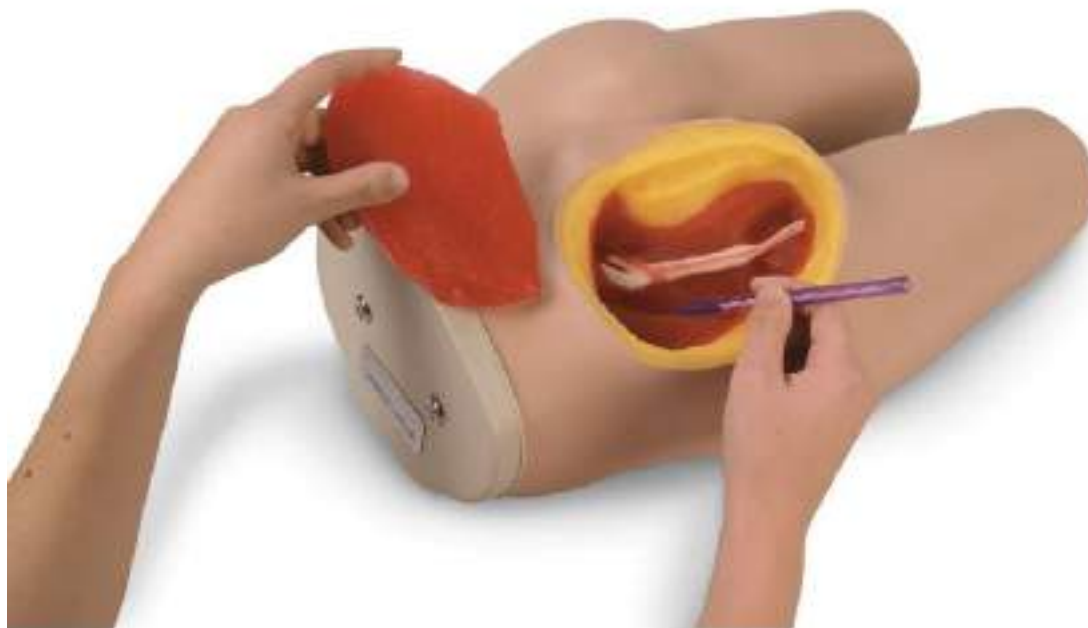




Intramuscular Injection Simulator

Model No. : LF00961U Sh. wt. 18 lbs.

Make : Nasco Healthcare, USA



- Simulated bony structure is embedded in the torso and represents the superior end of the femur, or greater trochanter, the posterior superior and anterior superior iliac spines, and the sacrum
- Bony structure provides palpable anatomical landmarks to identify proper injection sites
- Section of the upper, outer quadrant of the left gluteal area is cut away to visualize the underlying structures
- Gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown
- 3 types of intramuscular injections can be taught and practiced on this simulator: dorsogluteal, ventrogluteal, and vastus lateralis injections
- Extremely realistic skin and muscle textures, as well as bone shape and position, closely resemble a live patient
- Perforation of the tissue with a needle duplicates the sensation of administering an actual injection
- Includes instruction manual, supply of syringes, and hard carry case
- 5-year warranty

Consumables & replacement parts Model No.

Replacement Muscle Sh. wt. 0.50 lbs.

LF00963U





Venatech IV Trainer

Model No. : LF01162U Light Sh. wt. 2 lbs.

Make : Nasco Healthcare, USA



- Easily attached to a person's arm so student can practice venipuncture techniques on a live subject, including the proper positioning on an actual human arm, without the risks associated with puncturing living tissue
- Includes the 3 main veins used in phlebotomy — cephalic, basilic, and median cubital — all in correct anatomical position
- Arterial vessel is present for arterial blood gas simulation
- Helps students learn essential communication skills and patient interaction
- 5-year warranty

Consumables & replacement parts	Model No.
Venatech IV Trainer 5-Pack Sh. wt. 11 lbs. Light	LF01180U
Skin, Vein, and Artery Replacement Kits Sh. wt. 0.63 lbs. Light	LF01165U
Vein Replacement Kit Sh. wt. 0.44 lbs.	LF01177U
Replacement Blood, Red Only Sh. wt. 0.25 lbs.	LF01188U
Replacement Blood Kit, Red & Blue Pkg. of 5. Sh. wt. 0.06 lbs.	LF01178U



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Intradermal Injection Simulator

Model No. : LF01008U Light Sh. wt. 2.25 lbs.

Make : Nasco Healthcare, USA



- Practice intradermal injections safely and conveniently with the Life/form® Intradermal Injection Simulator
- Unit consists of a casting molded from a real forearm from the wrist to just below the elbow
- Life/form® soft vinyl skin provides realistic feel and appearance to ensure a realistic training experience
- 8 sites for practicing intracutaneous injections
- If fluid is properly injected, a characteristic skin welt will form
- Welt is removed by withdrawing the fluid after practice
- Each site is reusable by dozens of students
- Includes arm section with 8 injection sites, 2-oz. bottle of liquid skin repair, syringe, instruction manual, and storage box
- Included intradermal sealant (LF01009U) will extend the life of skin; however, skin is not replaceable and the simulator will eventually need replacement
- 13 in. x 11 in. x 5 in.
- 5-year warranty

Consumables & replacement parts Model No.

Intradermal Sealant 2-oz. bottle. Sh. wt. 0.25 lbs.

LF01009U

4

Urine Catheter Insertion





Male & Female Catheterization Simulator Set

Model No. : LF00857U Sh. wt. 33 lbs.
Make : Nasco Healthcare, USA



- A lubricated catheter can be inserted in the urethral orifice, passed through the urethra, and into the bladder
- Student will feel normal restrictions caused by the mucosal folds, bulbous urethra, and internal urethral sphincter, just prior to entrance into the bladder
- Teaches proper positioning and movement of the penis to allow the catheter to pass easily
- Simulator is the lower torso of a middle-aged woman with thighs abducted for proper position during catheterization
- Includes a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter
- Normal feeling of resistance and pressure is experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder
- When the catheter enters the bladder, artificial urine (water) will flow from the catheter
- External genitalia and perineum are molded in lifelike form
- Labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus
- Includes lubricant, silicone catheter, instruction manual, and hard carry case
- 5-year warranty

Consumables & replacement parts	Model No.	Consumables & replacement parts	Model No.
Foley Catheter, Silicone Each. Sh. wt. 0.25 lbs. • 16 FR 5 cc Pkg. of 10. Sh. wt. 0.63 lbs.	LF01127U LF01128U	Nasco Cleaner Sh. wt. 0.88 lbs. • Use to remove stubborn stains from simulators and trainers • 12-oz. bottle	LF09919U
Fluid Administration Set Sh. wt. 0.25 lbs. • With special adapter for Male and Female Catheterization Simulators • Includes fluid bag with tubing and a fitting	LF01098U	Catheter Obstruction Tool Sh. wt. 0.38 lbs. • Use to clear any obstructions within the urethra • Comes in a zipper closure bag with lubrication and instructions	LF00844U
Fluid Supply Stand Sh. wt. 4 lbs. • 5 in. x 8 in. base, 5/16 in. steel hooked rod	LF01022U		
Lubricant Kit Sh. wt. 0.88 lbs. • 2-oz. bottle • Pkg. of 6	LF00985U		





Male & Female Urinary Catheterization Trainer

Model No. : LF00843U Sh. wt. 19 lbs.

Make : Nasco Healthcare, USA



New and improved urinary catheterization trainer with soft, realistic material, male genital insert with foreskin, female genital inserts, urinary and suprapubic catheterization capabilities, and rectal suppository and enema features included.

- Includes:
- Soft Female Genital (1)
- Soft Male Genital (1)
- Simulator Lubricant 2 oz. (1)
- 16 French Foley Silicone Catheter
- Genital Housing Unit (1)
- 1 qt. Simulated urine
- Reusable Fluid Supply Bag
- Bladders (3)
- Foreskins (3)
- Suprapubic Skin (3)
- Syringe (1)
- Baby Powder (1)
- Hard carry case
- Fluid supply stand not included
- 5-year warranty



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Infant Male and Female Catheterization

Model No. LF01035 Sh. wt. 2 lbs.

Make : Nasco Healthcare, USA



- 2-in-1 trainer that provides realistic practice of this difficult skills procedure
- Anatomically realistic with both male and female genitals
- Feel resistance and pressure as with a real patient
- Genitals made of soft, lifelike material
- Lower half of infant only
- Practice both male and female infant catheterization training
- Practice insertion, position, catheter balloon inflation and deflation
- Urine flows when catheter is in proper position
- Includes infant torso, 1 male and 1 female genital insert, 2 oz. lubricant, infant Foley catheter, and instruction manual
- 5-year warranty

Consumables & replacement parts	Model No.
Replacement Genital Inserts Sh. wt. 0.38 lbs.	
Female	LF01035(A)U
Male	LF01035(B)U
Replacement Bladder Tube Sh. wt. 0.06 lbs.	LF01221U
Infant Intermittent Catheter	LF01074U
• 6 in., 8 F Each. Sh. wt. 0.19 lbs.	
Pkg. of 10. Sh. wt. 0.44 lbs.	LF01074(A)U
Lubricant Kit Sh. wt. 0.88 lbs.	LF00985U
• 2-oz. bottles	
• Pkg. of 6	



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Enema Administration Simulator

Model No. LF00957 Sh. wt. 19 lbs.

Make : Nasco Healthcare, USA



- Use for group demonstrations and practice sessions of any size
- Realistically practice administering an enema using this lifelike model
- Standard enema procedures can be performed using conventional enema apparatus — no special equipment is required
- All aspects of the simulator are realistic in every detail
- Upper buttock is flexible so the trainee must raise the buttock in order to locate and make insertion into the anus
- Drain tube is provided so fluid can be drained directly into a large container or sink
- Includes enema administration set, instruction manual, and hard carry case
- 5-year warranty

Consumables & replacement parts	Model No.
Hevi-Lube Sh. wt. 0.94 lbs. • Specially formulated, highly concentrated lubricant for exclusive use with Life/form® Enema Administration Simulator only • Pint bottle	LF01050U
Fluid Supply Stand Sh. wt. 4 lbs. • 5 in. x 8 in. base, 5/16 in. steel hooked rod	LF01022U
Fluid Administration Set Sh. wt. 0.25 lbs. • Includes fluid bag with tubing and a fitting	LF01098U
Replacement Tubing Sh. wt. 0.31 lbs.	LF01024U
Nasco Cleaner Sh. wt. 0.88 lbs. • Use to remove stubborn stains from Life/form® simulators • 12-oz. bottle	LF09919U



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Skin & Fascia Suturing





Suture and Stapling Practice Arm

Model No. LF01028 Sh. wt. 2.75 lbs.
Make: Nasco Healthcare, USA



- The Suture and Stapling Practice Arm is made with a soft vinyl skin over a core of stitchable foam to provide a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.
- Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened.
- The unit is provided with three "wounds." These "wounds" can be sutured repeatedly until the skin around them is finally worn out then, new "wounds" can be cut. Although disposable, the arm provides hundreds of suturing experiences before wearing out.
- Over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times.
- Comes complete with a starter package of sutures and instruction booklet.

Consumables & replacement parts	Model No.
Suture Replacement Each. Sh. wt. 0.19 lbs. • Includes 4-0 reverse cutting nylon suture Pkg. of 5. Sh. wt. 1.25 lbs.	LF07000U LF07000(A)U
Suture Tool Kit with Case Only Sh. wt. 0.38 lbs.	LF01011U
Mayo Hegar Needle Holder Sh. wt. 0.19 lbs. • Highly polished stainless steel • Box lock narrow jaw, serrated and indented • Ratchet lock handle • 6 in. long	C00879U





Suture and Stapling Practice Leg

Model No. LF01034 Sh. wt. 5.50 lbs.

Make: Nasco Healthcare, USA



The Suture and Stapling Practice Leg is made with a soft vinyl skin over a core of stitchable foam to provide a lifelike suturing experience for students or a realistic suturing demonstration by an instructor.

Realistic skin texture with wrinkles, pores, and visible fingerprints. Soft and pliable for easy sewing, the skin is tough enough that sutures will not pull out when tightened.

The unit is provided with three "wounds." These "wounds" can be sutured repeatedly until the skin around them is finally worn out then, new "wounds" can be cut.

Although disposable, the leg provides hundreds of suturing experiences before wearing out. Conservatively, over one hundred cuts can be made on the trainer and each of these cuts can be sutured several times.

Comes complete with a starter package of sutures and instruction booklet.

Consumables & replacement parts	Model No.
Suture Replacement Each. Sh. wt. 0.19 lbs. • Includes 4-0 reverse cutting nylon suture	LF07000U
Pkg. of 5. Sh. wt. 1.25 lbs.	LF07000(A)U
Suture Tool Kit with Case Only Sh. wt. 0.38 lbs.	LF01011U
Mayo Hegar Needle Holder Sh. wt. 0.19 lbs. • Highly polished stainless steel • Box lock narrow jaw, serrated and indented • Ratchet lock handle • 6 in. long	C00879U



Pediatric Suture Head Kit

Model No. LF01047 Sh. wt. 9.50 lbs.

Make: Nasco Healthcare, USA



Life/form® Pediatric Suture Head Kit

- Practice draping and bedside skills as well
- Soft, lifelike skin can be cut and sutured hundreds of times, then simply replaced over the permanent core and base
- Includes scalpel, forceps, needle holder and scissors in a soft case, 1 nylon suture, simulated blood, and baby powder
- 5-year warranty

Consumables & replacement parts

Model No.

Replacement Pediatric Head Skin

- Includes 1 replacement pediatric head skin Sh. wt. 2.50 lbs.

LF01047(A)U



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Episiotomy Suturing Simulators - Set of 3

Model No. LF00690 Sh. wt. 2 lbs.

Make: Nasco Healthcare, USA



- Simulators provide a realistic way for students to learn good surgical techniques and a variety of repair experiences
- Can be used by the student in a learning lab with an instructor, or by the student individually in the clinical setting
- In addition to being portable, the lifelike texture allows the learner to develop a “feel” for instrument handling, tension on suture, and the advantages of one method of tying knots over another
- Each simulator includes an instruction manual and is individually boxed
- 5-year warranty

Consumables & replacement parts	Model No.
Suture Thread with Needle Each. Sh. wt. 0.19 lbs. Pkg. of 5. Sh. wt. 1.25 lbs.	LF07000U LF07000(A)U
Mayo Hegar Needle Holder Sh. wt. 0.19 lbs. • Highly polished stainless steel • Box lock narrow jaw, serrated and indented • Ratchet lock handle • 6 in. L	C00879U
Suture Tool Kit with Case Only Sh. wt. 0.38 lbs.	LF01011U



Suture Kit

Model No. LF01042 Sh. wt. 2.75 lbs.

Make : Nasco Healthcare, USA



Make incisions and determine the depth of suturing and the technique to be used

- Practice and demonstrate tying knots, stapling and placement of staples, use of surgical glue, suturing deep tissue (placement and closure), and suturing subcutaneous tissue (placement and closure)
- Features epidermis, dermis, fascia, fat, and muscle layers
- Skin will allow placement and closure of superficial sutures
- Includes suture pad, tray to hold pad (not shown), durable carry case, needle holder, suture scissors, tissue forceps, scalpel, nylon suture, and small carry case to hold the instruments
- Pad measures 6 in. L x 4 in. W x 1 1/2 in. D
- 5-year warranty

Consumables & replacement parts	Model No.
Life/form® Suture Replacement Pad Light. Each. Sh. wt. 1.50 lbs. Light. Pkg. of 10. Sh. wt. 14 lbs.	LF01043U LF01043(A)U
Suture Replacement • Includes 4-0 reverse cutting nylon suture Each. Sh. wt. 0.19 lbs. Pkg. of 5. Sh. wt. 1.25 lbs.	LF07000U LF07000(A)U
Suture Tool Kit with Case Only Sh. wt. 0.38 lbs.	LF01011U



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Advanced Suture Kit

Model No. LF00894 Sh. wt. 3.25 lbs.

Make: Nasco Healthcare, USA



The Advanced Suture Kit offers a soft, flexible three-layer skin opens realistically when incised, yet is highly resistant to tearing - sutures won't cut through even when pulled tight. Skin pad can be sutured hundreds of times.

Includes easy-to-change specialty inserts for deep dermal suturing, tendon repair, and purse-string suture - challenging procedures that require a high degree of precision. Compact, portable and completely washable.

Includes base, one skin pad, four non-latex bands, one muscle block, one deep dermal insert, one tendon block, one tendon, one purse-string insert, suture kit, and carry bag.

Five-Year Warranty



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6

Breast Examination Model / Mannequin





Advanced Breast Examination

Model No. LF00980 Sh. wt. 17 lbs.

Make : Nasco Healthcare, USA



Life/form® Advanced Breast Exam Simulator

- Tissue density varies within the simulated breast
- Tumors of varying sizes (1-4 cm diameter), shapes (round, oval, irregular/stellate), and densities can be inserted by the instructor for an expanded combination of training scenarios
- Tumors represent adenomas, cysts, malignant tumors, and enlarged lymph nodes
- Torso is correctly positioned in the supine position and allows access to both axillae
- Features palpable ribs, sternum and clavicles, and enlarged lymph nodes in the axillary and subclavicular areas
- 5-year warranty
- Peau d'orange ("orange peel skin") with inflammation,
- inverted nipple, skin dimpling, and asymmetry are
- also depicted on the incredibly realistic skin
- Designed for supine or upright examination
- Training may also be done without the overlay skin
- Includes a rigid underbody, right and left breast
- inserts, overlay skin, 3 tumor sets (27 lumps), 9 soft nodules to represent soft breast tissue, 1 hard lump to represent chest wall infiltration, baby powder, instruction manual, and hard carry case
- 14 in. W x 11 in. H x 6 in. D

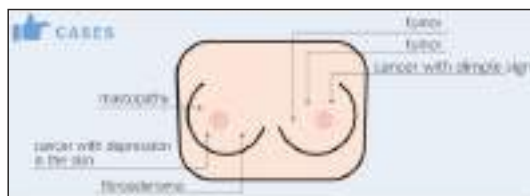
Consumables & replacement parts	Model No.
Left Breast Replacement Sh. wt. 2 lbs.	LF00980(A)U
Right Breast Replacement Sh. wt. 1.50 lbs.	LF00980(B)U
Replacement Tumor Set — 27 Lumps Sh. wt. 0.50 lbs.	LF00980(C)U



Breast Self Examination Model -Body-worn type-

Model No. M71 Sh. wt. 2 Kg.

Make : Kyoto Kagaku, Japan



Breast examination trainer for self examination Practice to detect and differentiate 6 different lumps through visual-tactile examination.

FEATURES	1.Six signs of breast tumors 2.An ideal tool for breast self-examination education 3.Realistic size, appearance and texture
Training skills / Applications	Tactile breast examination/ Breast self-examination
Set includes	1 breast model with the strap belts / 1 storage case
Size (approx.)	W28 x D21 x H8 cm/W11 x D8.2 x H3.1in

**Gynecological Examination Model / Mannequin
including IUCD (Intra Uterine Contraceptive Device)
Training Model Examination, Conduct
and Management of Vaginal delivery**





Cervical Dilatation and Effacement Simulators

Model No. LF01068 Sh. wt. 19 lbs.

Make : Nasco Healthcare, USA



- 3-D simulators provide lifelike simulation of cervical examination prior to birth
- Visual and tactile sensations experienced provide a positive transition to patient procedures
- Set consists of 6 separate 4 in. W x 4 1/4 in. H x 4 3/4 in. D pelvic blocks
- External appearance of all 6 blocks is identical, with the variations being in the internal structure
- Represents internal texture, tissue density, and correct anatomical size
- Simulators depict 6 different cervical conditions prior to birth; each is clearly identified on the back side to indicate which condition exists internally
- Gain a tactile understanding of no dilatation, 2 cm, 5 cm, 7 cm, 9 cm, and effacement conditions
- Includes 6 simulation blocks (Stages 1-6), acrylic stand, glove, powder, lubricant, instruction card, and a hard carry case
- 5-year warranty



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Advanced Pelvic Examination and Gynecological Simulator

Model No. LF01235 Sh. wt. 24 lbs.

Make: Nasco Healthcare, USA



- Ideal for all aspects of gynecological education, training, and competency evaluation, including the bimanual exam, speculum exam, and cytology sampling
- Unprecedented realism of internal and external features
- Interchangeable components make up its unique modular system
- You choose the scenarios
- Components can be combined in a multitude of ways
- Flexibility of customizing your scenarios with use of included makeup, blood, and thickener
- Additional specialized modules are also available (STD, post-menopause, S.A.N.E., and pre-puberty)
- Completely washable, disassembles for easy cleaning
- Starter unit includes torso, normal genital pad, normal pelvic organ block with vagina and rectum, abdominal gel pad, fabric abdominal pad, abdominal overlay skin, 7 uterus/cervix pieces (normal/normal with discharge option, retroverted/cervicitis, cancer/cancer, transparent IUD trainer, post-menopause/herpes, fibroids/polyp, early pregnancy), 5 detachable ovaries (normal, polycystic, small cyst, large adnexal mass), bladder insert, pelvic organ prolapse insert, baby powder, Injury Shades Makeup Wheel, Primary Colors Makeup Wheel, blood mix, thickener, syringe, lubricant, instruction manual, and hard carrying case
- 5-year warranty

Consumables & replacement parts	Model No.
Replacement Abdominal Skin Overlay Sh. wt. 0.88 lbs.	LF01236U
Replacement Organ Block Sh. wt. 0.88 lbs.	LF01237U
Replacement Genital Pad Sh. wt. 0.69 lbs.	LF01238U
Replacement Uterus, Set of 7 Sh. wt. 1.25 lbs.	LF01239U
Replacement Ovary, Set of 5 Sh. wt. 0.38 lbs.	LF01240U
Replacement Bladder/Prolapse Inserts, Set of 2 Sh. wt. 0.38 lbs.	LF01241U
Replacement Fabric Abdominal Pad Sh. wt. 0.31 lbs.	LF01242U
Replacement Abdominal Gel Pad Sh. wt. 2.75 lbs.	LF01243U
Injury Shades Grease Paint Makeup Wheel • Contains 6 colors commonly used to create bruises and contusions: warm, honey, maroon, dark purple, yellow, forest green, and thunder gray • 1-oz. wheel Sh. wt. 0.19 lbs.	LF00760U
Primary Colors Grease Paint Makeup Wheel • 1-oz. wheel includes 5 colors: white, black, red, yellow, and blue Sh. wt. 0.19 lbs.	LF00761U



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ZOE Gynecologic Simulator, Light

Model No. SB28796 L Sh. wt. 30 lbs.

Make : Nasco Healthcare, USA



Combines the ability to demonstrate multiple gynecologic procedures, as well as practice laparoscopic examination and minilaparotomy

Features:

- Full-size adult female lower torso with relevant internal anatomic landmarks
- Bimanual pelvic examination
- Palpation of normal and pregnant uteri
- Vaginal examination (including insertion of speculum)
- Visual recognition of normal and abnormal cervixes
- Uterine sounding
- IUD insertion and removal
- Contraceptive sponge insertion and removal
- Female condom insertion and removal
- Diaphragm and cervical cap insertion and removal
- Laparoscopic visualization and occlusion of fallopian tubes
- Minilaparotomy
- 1 anteverted and 1 retroverted parous uterus
- One 10-week pregnant uterus
- 1 postpartum uterus
- 5 normal cervixes with patent os
- 4 abnormal cervixes
- 10 fallopian tubes
- Realistically sculpted and anatomically accurate ovaries and fimbriae
- Uterus and cervix feature patented "screw" design for fast and easy change-out
- Includes complete skin covering, talcum powder, K-Y Jelly, instruction manual, and soft nylon carry bag



IUD Trainer

Model No. 160-1912

¥ Demonstrate proper IUD insertion techniques
¥ 3 in. x 4 1/4 in. x 3/4 in.



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Obstetrics Mannequins including Obstetric





Advanced OB Susie® Birthing Torso - Light

Model No. SB50848 L Sh. wt. 40 lbs.

Make : Nasco Healthcare, USA



- Allows you to simulate every stage of the birthing process
- Simulate audible maternal and fetal heart sounds from 0-200 BPM, as well as audible newborn cries, grunting, and stridor
- Palpation of the fetus is ideal for practicing Leopold maneuvers
- Practice vaginal breech deliveries and free the legs using the Pinard maneuver
- Also allows for deliveries requiring vacuum augmentation or forceps
- Includes torso, birthing baby, and newborn baby
- Bladder catheterization with variable urinary flow - use conventional urinary bladder to reduce bladder size
- Clamp placement and umbilical cutting
- Delivery of placenta - position placenta to simulate placenta previa
- Insertion of medication through rectum
- Simulate postpartum bleeding
- Uterine massage
- Vertex or breech deliveries

Birthing torso includes:

- Blood collection stand with squeeze bulb to regulate pressure
- Directions for use
- Distensible cervixes (3)
- Midwifery gown with snaps
- Nonsterile urinary catheter (not for human use)
- Non-latex gloves (2 pairs)
- Placentas with removable fragments (2)
- Postpartum hemorrhage fluid silicone lubricant (1.25 liters)
- Requires 4 "AA" batteries (not included)
- Simulated blood concentrate
- Simulated urine concentrate
- Stethoscopes - 1 conventional and 1 Pinard
- Storage bag
- Suction bulb
- Talcum powder
- Vulval inserts (4)

Newborn baby features:

- Head cap to minimize hypothermia
- Squeeze bulb for operating umbilical pulse
- Umbilical catheterization



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Total Childbirth Education Station - Light

Model No. SB38758 L **Make:** Nasco Healthcare, USA



The Obstetric Susie® S500 is a versatile childbirth skills trainer for practicing routine and complicated delivery techniques. Participants can practice providing care through the birthing process from delivery to postpartum care. The simulator's lifelike features ensure participants can go hands-on and practice the skills needed to provide safe and effective care during high-risk/low-frequency events.

- Normal vaginal delivery
- Complete, frank, and footling breech birth
- C-section delivery
- Ritgen's maneuver
- Episiotomy
- Vertex presentation
- Intrauterine manipulation
- Vertex/vertex, vertex/breech, breech/vertex, or breech/breech presentation in multiple births
- Prolapse of umbilical cord
- Demonstration of placenta previa: total, partial, and marginal
- Normal delivery of umbilical cord and placenta
- Palpation of fetal fontanelles
- Removable diaphragm end plate for manual positioning of fetal baby/babies
- Removable stomach cover for positioning fetus
- Life-size pelvic cavity with major anatomic landmarks
- Hand-painted outline of the bony pelvis
- Three soft vulval inserts for episiotomy exercises
- One baby boy and one baby girl, each with umbilical cord and placenta
- Anatomically accurate backbone and fontanelles on fetal baby/babies

Package Contents:

- Obstetric Susie® S500 Skill Trainer
- One skin-tone stomach cover
- Four extra umbilical cords
- Two umbilical clamps
- Talcum powder
- Instruction manual
- Soft carrying bag





Lucy Maternal and Neonatal Birthing Simulator - Basic

Model No. LF00042 Sh. wt. 72 lbs. **Make:** Nasco Healthcare, USA



- Designed to present the complex needs of a growing demographic with unique health and physical challenges
- A new level of physical realism allows an near-human connection and enhances the immersion in training
- Provides a comprehensive and economical birthing experience from prenatal to postnatal delivery scenarios
- Experience realistic normal and abnormal deliveries

Functions

- Airway management - intubation and ventilation with chest rise
- Amniotic sac
- Articulating arms and legs
- Articulating baby - 18 in. (45 cm) long, 22-lb. (1 kg) weight
- Birthing positions - hands and knees, lateral, supine
- Breech deliveries - complete, incomplete, Footling, and Frank
- Cervical dilation - 6 stages
- Cesarean section delivery
- CPR
- Deliveries - vaginal, cesarean, forceps-assisted, and vacuum-assisted
- Episiotomy repair
- External version
- Fetal palpation - abdominal and Leopold's maneuvers
- Fetal suction
- Fundal massage
- Intramuscular injection sites
- Manual birthing maneuver - instructor/student-controlled fetal descent
- Membrane rupture
- Oral and nasal care - lavage, gavage, suctioning
- Patient positioning and transfer techniques
- Placenta previa
- Postpartum care
- Postpartum hemorrhage
- Scalp electrode placement
- Shoulder dystocia maneuvers
- Umbilical cord clamping and cutting
- Umbilical cord prolapse

Includes

- Abdominal pad
- Abdominal skin - 1 normal and 1 cesarean
- Amniotic sac, 50
- Articulating baby
- Cervices - stages 1-6
- Chest skin
- CPR chest
- Eyes - brown/blue/green
- Fundus
- Hospital gown
- Inflation tubing with squeeze bulb
- Lubricating jelly
- Lung bag
- Pelvic block
- Perineal skin, 3 - prenatal, birthing, and episiotomy
- Perineal skin stabilizer pad
- Placenta
- Positioning bag
- Umbilical clamp
- 4 umbilical cords - 1 long, 3 short
- 3 wigs - black/blonde/brown

Product Features

General

- Lightweight, full-body female - 66 in. (167 cm) long, 35-lb. (16 kg) weight
- Simple to transport in pre-hospital scenario training
- Superior range of motion with fully articulated joints
- Bony landmarks including ischial spines
- Change appearance quickly with multiple hair and eye colour combinations
- 5-year warranty



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NOELLE® Maternal Birthing Simulators

Model No. SB48760 L Sh. wt. 98 lbs. Make: Nasco Healthcare, USA



- Designed to provide a complete birthing experience before, during, and after delivery
- Features articulating full-body female manikin, intubatable airway with chest rise, IV arm for meds/fluids, removable stomach cover, multiple fetal heart sounds, automatic birthing system, multiple placenta locations, replaceable dilating cervixes, and 1 articulating birthing baby with placenta
- Allows practice of Leopold's maneuvers, measuring head descent and cervical dilation, and postpartum suturing
- Monitor and log ventilations and chest compressions with OMNI® Code Blue® pack
- View feedback on your OMNI® device or any Windows® computer
- Includes 2 umbilical cords, 2 dilating cervixes, 2 umbilical clamps, 2 vulval inserts, 3 vulvae for postpartum suturing, postpartum hemorrhage and palpation module, training guide, teaching guide with scenarios, OMNI® Code Blue® pack (CPR Link software, CPR Link connection cable, CPR module pre-installed in simulator, international power supply [100-240V AC]), OMNI® controller talcum powder, water-soluble silicone lubricant, and carry bag
- 1-year warranty

NOELLE® Maternal and Neonatal Birthing Simulator

- Allows practice of C-section and forceps deliveries
- Also includes 1 resuscitation baby with intubatable airway and umbilical catheter site
- 1-year warranty
- Sh. wt. 106 lbs.

Model No. SB32878(L)U Light

NOELLE® Maternal and Neonatal Birthing Simulator with PEDI® Blue Neonate

- PEDI® Blue Neonatal Simulator with SmartSkin™ has the unique ability to change color based upon an initial pre-selected condition and the effectiveness of airway ventilation and chest compression provided
- Includes 1 Maternal controller
- 1-year limited warranty
- Sh. wt. 110 lbs.

Model No. SB37713(L)U Light



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9

Neonatal & Pediatric Resuscitation Mannequins



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C.H.A.R.L.I.E. Neonatal Resuscitation Simulator

Model No. LF01421 Sh. wt. 14 lbs.

Make : Nasco Healthcare, USA

Meet Baby C.H.A.R.L.I.E. and satisfy all your training requirements for NRP 7th edition

C : Compressions, Cardiac
H : Heat compatible
A : Airway, Arterial access via the umbilicus
R : Resuscitation
L : Laryngeal mask capable for oxygen use or PPV
I : Intravenous, Intraosseous, Intubation
E : ECG



Features:

- Airway, breathing, intubation, and ventilation
- Chest tube placement
- CPR
- ECG simulation (must have ECG simulator SVN-670 or SVN-102)
- Gastrointestinal (GI) tube
- Intraosseous infusion
- Observation and measurement
- Palpable manual pulse points in 7 locations
- Patent umbilicus with venous and arterial access
- PICC site in arm
- Urinary catheterization to use with interchangeable genitalia



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

- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- Battery saver feature powers-off simulator automatically when not in use
- 6 waveforms
- 17 adult/pediatric rhythms



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C.H.A.R.L.I.E. Neonatal Resuscitation Simulator

Model No. LF01421 Sh. wt. 14 lbs.

Make : Nasco Healthcare, USA

• C.H.A.R.L.I.E. comes complete with:

- Airways, 2, standard and advanced
- Baby powder
- Blood
- Carry bag
- Defibrillation chest
- Intraosseous bones and skin
- IV bag
- IV skin and veins for hand and foot
- Male and female genitalia
- Myelomeningocele
- Needles
- Omphalocele
- Umbilicus
- Instruction manual
- 5-year warranty

Consumables & replacement parts	Model No.
Bilateral Chest Insert Sh. wt. 0.63 lbs.	LF01401U
Unilateral Chest Insert Sh. wt. 0.63 lbs.	LF01402U
Replacement Airway Sh. wt. 0.25 lbs.	LF01403U
Replacement IV Hand Skin and Vein Sh. wt. 0.06 lbs.	LF01404U
Replacement IV Foot Skin and Vein Sh. wt. 0.06 lbs.	LF01405U
Umbilicus with Pulse Sh. wt. 0.06 lbs.	LF01412U
Birth Defects Sh. wt. 0.56 lbs.	LF01407U
Replacement Advanced Airway Sh. wt. 0.38 lbs.	LF01408U
Defibrillation Chest Sh. wt. 0.50 lbs.	LF01409U
Replacement Genitalia Male and female. Sh. wt. 0.50 lbs.	LF01410U
Replacement I/O Skin Sh. wt. 0.50 lbs.	LF01411U
I/O Bone and Blood Capsule Pkg. of 12. Sh. wt. 2 lbs.	101-092U



Prestan Professional Infant CPR Training Manikin Medium Skin

Model No. PP-IM-100M-MS **Make: Prestan, USA**



Slack Mode/No Power			
3" Full Compression	●	●	●
CPR Rate 90-110	●	●	●
CPR Rate 90-110	●	●	●
CPR Rate 90-110	●	●	●
CPR Rate 90-110	●	●	●
Compressions Stopped	●	●	●



The PRESTAN Professional Infant Manikin life-like features and weight allows for realistic infant CPR training. Sculpted body contours and realistic skin feel help prepare students for real life rescues. A head that simulates the way an actual infant's head would move. Face/head tilt enhances the CPR learning experience and teaches students how to open the airway during CPR. Equipped with the same CPR feedback features as the Professional Adult and Child Manikins.

Fully compliant with current industry guidelines, including the most recent AHA Integrated Feedback Directive.

CPR Rate Monitor that allows for instant feedback to both instructors and students. The visual feedback from the CPR Rate Monitor gives students a real life feel of delivering 100-120 compressions per minute.



PRESTAN Professional Infant Series 2000 Manikin with Advanced CPR Feedback, Single (Medium Skin)

Model No. PP-IM-2000-1-MS **Make: Prestan, USA**



The same high quality, realistic Professional Infant Manikin is now available with Advanced Feedback including

- Visual Chest Rise,
- Rate,
- Depth,
- Recoil,
- Ventilation,
- Hands-Off Time, and

Chest Compression Fraction via a Bluetooth® enabled PRESTAN CPR Feedback App available on both Apple and Android devices.

Three-Year Warranty

Ship Weight: 6 lb.

Dimensions: (Inches): 22 x 6.5 x 9

Additional Details:

REDESIGNED PRESTAN CPR Feedback App

Provides high quality, real time, advanced CPR feedback via a Bluetooth® connection with the ***NEW & IMPROVED*** PRESTAN Professional Adult Series 2000 Manikin.

Advanced CPR feedback (includes rate, depth, recoil, ventilation, hands-off time, and chest compression fraction) is monitored, easily displayed and available for reporting allowing students to self-monitor performance and gain confidence during CPR training.

The app allows instructors to provide comprehensive CPR training while monitoring CPR performance for up to six (6) students at a time and is equipped with a reporting feature that allows for CPR training results to be downloaded directly from the app.



The ***REDESIGNED*** PRESTAN CPR Feedback App provides an

improved user experience
easier setup - with no need to calibrate breaths
more intuitive CPR feedback - with the addition of chest compression fraction
expanded list of available languages



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Prestan Professional Child CPR Training Manikin Medium Skin

Model No. PP-CM-100M-MS **Make: Prestan, USA**



Usage Mode/On Power	
3" Full Compression	
CPM* = 90	
CPM* 90 - 99	
CPM* 100 - 109	
CPM* 110 - 119	
CPM* 120 - 129	
Compressions Stopped	



The PRESTAN Professional Child Manikin is designed to look like a child verses an adult with less prominent body structures and softer, more childlike facial features. It is smaller and thinner than the PRESTAN Professional Adult Manikin yet still realistic to the eye and the touch with the same CPR feedback features as the Professional Adult Manikin. Equipped with visual chest rise and a revolutionary CPR Rate Monitor that allows for instant rate and depth feedback to both the instructor and student.

Fully compliant with current industry guidelines, including the most recent AHA Integrated Feedback Directive.

CPR Rate Monitor that allows for instant feedback to both instructors and students. The visual feedback from the CPR Rate Monitor gives students a real life feel of delivering 100-120 compressions per minute.



PRESTAN Professional Child Series 2000 Manikin with Advanced CPR Feedback, Single (Medium Skin)

Model No. PP-CM-2000-1-MS **Make: Prestan, USA**



Usage Mode/On Power	
3" Full Compression	
CPM* = 90	
CPM* 90 - 99	
CPM* 100 - 109	
CPM* 110 - 119	
CPM* 120 - 129	
Compressions Stopped	

The same high quality, realistic Professional Child Manikin is now available with Advanced Feedback including

- **Visual Chest Rise,**
- **Rate,**
- **Depth,**
- **Recoil,**
- **Ventilation,**
- **Hands-Off Time, and**

Chest Compression Fraction via a Bluetooth® enabled PRESTAN CPR Feedback App available on both Apple and Android devices.

Three-Year Warranty

Ship Weight: 6 lb.

Dimensions. (Inches): 22 x 6.5 x 9



The ***REDESIGNED*** PRESTAN CPR Feedback App provides an

improved user experience
easier setup - with no need to calibrate breaths
more intuitive CPR feedback - with the addition of chest compression fraction
expanded list of available languages

Additional Details:

***REDESIGNED* PRESTAN CPR Feedback App**
Provides high quality, real time, advanced CPR feedback via a Bluetooth® connection with the ***NEW & IMPROVED*** PRESTAN Professional Adult Series 2000 Manikin.

Advanced CPR feedback (includes rate, depth, recoil, ventilation, hands-off time, and chest compression fraction) is monitored, easily displayed and available for reporting allowing students to self-monitor performance and gain confidence during CPR training.

The app allows instructors to provide comprehensive CPR training while monitoring CPR performance for up to six (6) students at a time and is equipped with a reporting feature that allows for CPR training results to be downloaded directly from the app.



Child Airway Management Trainer with Stand

Model No. LF03609 Sh. wt. 17 lbs.
Make : Nasco Healthcare, USA



- Simulated head of a 5-year-old child featuring realistic size and anatomy
- Perfect for practicing airway management skills on pediatric patients
- Realistic anatomy includes mouth, tongue, oral pharynx, larynx, epiglottis, vocal cords, trachea, and esophagus
- Separate lungs for auscultation
- Manual carotid pulse
- Inflatable stomach to indicate esophageal insufflation
- Practice suctioning as well as oral, nasal, and intubation techniques
- Includes lungs, stomach, pump spray lubricant, instruction manual, and hard carry case
- 5-year warranty





Infant Airway Management Trainer with Stand

Model No. LF03623 Sh. wt. 16 lbs.

Make : Nasco Healthcare, USA



- Features realistic size and anatomy and is perfect for practicing airway management skills on an infant
- Includes head mounted on sturdy stand, lungs, stomach, pump spray lubricant, instruction manual, and hard carry case
- 5-year warranty

Neo Nate – Neonatal Resuscitation Trainer

Model No. 101-340

Make : Nasco Healthcare, USA



Effective simulation of standard and emergency care immediately after birth.

Simulated birth cries, airway clearance, auscultation of heart sounds, ventilation with proper head tilt and chin lift, simulated heartbeat and umbilical pulse.

A high-quality, lifelike neonatal trainer designed for the instruction of basic care and lifesaving skills in the moments immediately after birth. Neo Nate addresses key training demands of neonatal care specialists in clinical settings, making it ideal for the training of nurses, midwives, obstetricians, and neonatal/pediatric care providers.

Key Features

- Three-year warranty
- Removable chest overlay with lungs and umbilical stump
- Umbilical cord management
- Realistic chest compressions with click
- Visible chest rise during ventilation
- Simulated vital signs



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Full Body Mannequin





Full-Body CPR Manikin

Model No.100-2700 Sh. wt. 51 lbs.

Make : Nasco Healthcare, USA



- Features lifelike positioning, a carotid pulse, and anatomical landmarks that include the sternum, rib cage, and substernal notch
- Rescue training is augmented with the Rescue Head that can be interchanged with the CPR/rescue-breathing head
- Optional IV arm gives you an added dimension
- Includes 5 mouthpieces and 5 airway systems with lungs
- Order "with electronics" and receive an exterior console box that indicates proper hand position, adequate chest compressions, and adequate air volume
- 3-year warranty

Consumables & replacement parts	Model No.
Full-Body with Electronics Sh. wt. 52 lbs.	100-2725U
Lower IV Arm with Hand • Comes with reservoir bags, carrying tray, and simulated blood powder Procedure needle not included • 3-year warranty Sh. wt. 3.50 lbs.	150-1374U
Trauma Moulage Kit Sh. wt. 9 lbs.	800-6701U
Transport Rescue Head Sh. wt. 5 lbs.	100-2704U
Mouth/Nosepieces Pkg. of 10. Sh. wt. 2.25 lbs.	100-2023U
Airway System with Lungs Pkg. of 10. Sh. wt. 4 lbs.	100-2507U
Ball Valve Assembly For Full-Body CPR Manikin. Sh. wt. 0.31 lbs.	100-2701U
Replacement Lungs Pkg. of 20. Sh. wt. 3 lbs.	100-2030U
Replacement Veins Sh. wt. 1.50 lbs.	150-1382U
Replacement Skin Sh. wt. 1.50 lbs.	150-1381U
Carry Bag Sh. wt. 4 lbs.	150-1373U



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Simple Simon® - Light

Model No. SB23541(L) Sh. wt. 34 lbs.

Make : Nasco Healthcare, USA



- Simulate a number of exercises from transverse colostomy management to tracheotomy, from intramuscular injection to ophthalmological treatment
- Joints are strong and movements lifelike, even to the extent of permitting pronation and supination of the forearm
- Comes without internal tanks
- Genitals are not interchangeable

The manikin offers these additional features:

- Articulating head, jaw, elbows, wrists, ankles, and knees
- Bathing and bandaging
- Enema administration
- Eyes open and close
- Instruction manual
- Intramuscular injection
- Nasal and oral tube placement
- NG and OG tube feeding and gastric suction
- Opening for gastrostomy
- Ophthalmic exercises
- Catheterization exercises
- Otic drops and irrigation
- Soft, realistic face skin, hands, feet, fingers, and toes
- Wig for hair care exercises
- Tracheotomy placement
- Transverse colostomy, ileostomy, and suprapubic stomas to practice irrigation
- Upper and lower dentures for oral hygiene
- Meets OBRA requirements



Simple Susie® - Light

Model No. SB23540 L

Make : Nasco Healthcare, USA



- Simulate a number of exercises from transverse colostomy management to tracheotomy, from intramuscular injection to ophthalmological treatment
- Joints are strong and movements lifelike, even to the extent of permitting pronation and supination of the forearm
- Comes without internal tanks
- Genitals are not interchangeable

The manikin offers these additional features:

- Articulating head, jaw, elbows, wrists, ankles, and knees
- Bathing and bandaging
- Enema administration
- Eyes open and close
- Instruction manual
- Intramuscular injection
- Nasal and oral tube placement
- NG and OG tube feeding and gastric suction
- Opening for gastrostomy
- Carry bag
- Ophthalmic exercises
- Catheterization exercises
- Otic drops and irrigation
- Soft, realistic face skin, hands, feet, fingers, and toes
- Wig for hair care exercises
- Tracheotomy placement
- Transverse colostomy, ileostomy, and suprapubic stomas to practice irrigation
- Upper and lower dentures for oral hygiene
- Vaginal douching and Pap smear exercise
- Meets OBRA requirements



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BLS (BASIC LIFE SUPPORT) AND ALS (ADVANCE LIFE SUPPORT)

HAL® S315.600.250 - CPR+D Skills Trainer
with OMNI® 2 Full-body option
Model No. S315.600.250.705 (Gaumard, USA)

Easy-to-use, durable, & portable hands-on BLS training.

Whether for outreach or professional development, the new HAL® S315.600 is a great addition to every BLS algorithm training curriculum. Practice assessing breathing, performing quality CPR, delivering a shock, and recognizing the return of spontaneous circulation. The HAL® is the portable, all-in-one training solution for every basic life support training need.



Illustrate shockable and nonshockable EKG with 20+ rhythms



Perform nasal and oral intubation with standard, real adjuncts



Visualize realistic chest rise with BVM ventilation



Identify proper chest rise and pulses without add-on items



Monitor and cardiovert rhythms using a real AED/defibrillator



Defibrillate directly on patches or pad-free posts numerous times



Receive immediate feedback on your actions and select the responses



Check for return of spontaneous circulation



Automatically detect and record events for easy debriefing





BLS (BASIC LIFE SUPPORT) AND ALS (ADVANCE LIFE SUPPORT)

HAL® S315.600.250 - CPR+D Skills Trainer
with OMNI® 2 Full-body option
Model No. S315.600.250.705 (Gaumard, USA)

Features

Airway and breathing

- Realistic tongue, vocal cords, and trachea
- Practice nasal and oral intubation with realistic tongue, vocal cords, and trachea.
- Supports ETT, supraglottic airway device, i-gel®, King LT™, and more.
- Illustrate head tilt/chin lift and jaw thrust • Gastric distension with esophageal intubation and/or excessive ventilation
- Right mainstem intubation presents unilateral chest rise
- Visible chest rise with bag- valve-mask ventilation
- Spontaneous breathing (Automatic)
- Ventilation detection sensors

Circulation

- Anatomically correct landmarks for proper CPR hand placement
- Realistic chest cavity resistance and recoil
- Chest compression depth sensor
- Real-time CPR feedback
- Effective chest compressions generate palpable carotid pulses
- Monitor and cardiovert rhythms using a real AED/defibrillator •Illustrate 20+ shockable and nonshockable EKG rhythms
- Deliver up to 360 Joules of real energy to skin patches or snap connectors
- Palpable carotid pulses with variable rate synchronized with EKG
- Available with 4-lead ECG site option to support real-time ECG monitoring using real equipment. (S315.600.250.PK1)



Performance monitoring

- Real-time CPR quality feedback
 - » Compression depth and rate
 - » Ventilation rate
 - » Excessive ventilation
 - » No-flow time
 - » CPR cycles
- CPR metronome: audible tones help guide correct compression and ventilation rate and ratio
- Compliant with current adult resuscitation guidelines
- Built-in resuscitation algorithm checklists for tracking individual and team actions

OMNI® 2 features

- Built-in wireless connectivity with a range up to 30 ft.
- OMNI® 2 wireless touchscreen tablet
- Optimized vital sign controls for on-the-fly operation
- Built-in library with 20+ cardiac rhythms and options
- Compatibility with optional virtual vital signs to display 10+ parameters for delivering post-cardiac arrest care
- Alternate virtual shock function capability
- Session log records provider actions, vital signs, CPR metrics, and comments

Debriefing tools

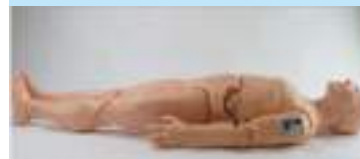
- eCPR™ performance report provides averages for each CPR metric and cycle
- Save, email, and print CPR performance reports for debriefing and archiving

HAL® S315.600 CPR+D Skills Trainer with OMNI® 2 S315.600.250.PK HAL® S315.600 Skills Trainer, OMNI® 2 Controller, carrying case, user manual, and power supply.



HAL® S315.600 CPR+D and ECG Skills Trainer with OMNI® 2

S315.600.250.PK1 HAL® S315.600 Skills Trainer with 4-lead ECG sites, OMNI® 2 Controller, carrying case, user manual, and power supply.



HAL® S315.600 CPR+D Skills Trainer with OMNI® 2 full-body option

S315.600.250.705 Enhance skills training and run scenario-based exercises with the fullbody configuration.

GAUMARD Vitals™ Portable Virtual Monitor

S315.600.250.002 Portable GAUMARD Vitals™ virtual patient monitor. Simulates 20+ dynamic numerical parameters and waveforms. Customizable interface.



Modified defib cables Philips® - 30080373B Physio LIFEPAK® - 30080375B Zoll® - 30080374B



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Make: Nasco Healthcare, USA

TERi™ Androgynous Geriatric Trainer

Make : Nasco Healthcare, USA

Option-1

Geriatric Patient Care Trainer
General patient care, daily living assistance simulation platform.
Model No. : LF04300
Sh. wt. 66 lbs.

Option-2

Geriatric Patient Skills Trainer Physical skills practice simulation platform with injection/IV, catheterization, cardiovascular and respiratory support.
Model No. : LF04301
Sh. wt. 74 lbs.

Option-3

Auscultation Patient Skills Trainer
All the features of Patient Skills Trainer with added auscultation. Lung sounds at five anterior, ten posterior, and two midaxillary locations. Six anterior heart sites.
Model No. : LF04299
Sh. wt. 74 lbs.

Option-4

Geriatric Patient Simulator
Comprehensive and complete simulation platform including patient monitoring capability.
Model No. : LF04302
Sh. wt. 108 lbs.



Nasogastric Tube Procedures^{2,3}
Placement, Lavage, Gavage, Feeding and Suctioning



Intravenous, Injection, Subcutaneous Injection Sites^{2,3}, optional on 1 Multiple Locations Equipped with Standard Arm IM Injection Pads

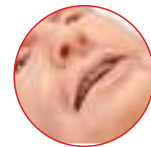


PROM: Passive Range of Motion^{1,2,3}
Seating, Laying, Finger/Toe Manipulation with No Effort from Patient

Cardiovascular Support^{2,3}
Carotid Pulses, CPR with Quality Performance Metrics & Auscultation



Enhanced Aesthetics^{1,2,3}
Soft Silicone Skin with Noticeable Normal and Cancerous Skin Moles, Stage 1 Sacral Ulcer and Reddened Skin Folds



Grooming & Daily Living Assistance^{1,2,3}
Bathing, Clothing Changes, Denture Placement/Removal, Hearing Aid Placement/Removal, Eye Irrigation & Optic Drops, Ostomy & Urinary Catheter Care, Hair Care

Respiratory Support^{2,3}
Manual Ventilation with Chest Rise, Oxygen Administration, Tracheostomy Care, Airway/Trach Suctioning. Airway Intubation, Ventilation and Auscultation



Indwelling Male & Female Urinary Catheterization^{2,3}
Includes Support for Urethral and Suprapubic Catheters

Advanced Skills^{2,3}
Urinary Catheterization, Enema Administration, Pelvic and Prostate Examination

Seven cervical conditions are included:
1.) normal,
2.) early pregnancy,
3.) polyp,
4.) early cancer,
5.) late cancer, 6.) inflammation, and 7.) dysplasia

There are five prostates included with yoursimulator. 1.) normal size, 2.) normal size with hardnodule, 3.) enlarged on one side, 4.) enlarged across the midway withard nodule, and 5.) enlarged withhard irregular surfaceearly cancer, 5.) late cancer

TERi™ Androgynous Geriatric Trainer

- A comprehensive male/female elderly patient care trainer for medical simulation.
- Evolving from our GERi™/KERi™ full-body manikins, it has a more realistic look and feel accurately representing the human anatomy. Weight is distributed to represent a real patient for lifting and carrying. Height of TERi Manikin is 5 feet.
- Each version is affordable and durable with upgradable items.



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Full Body Mannequin

semtrainersvalsad@gmail.com

www.semtrainers.com



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TERi™ Androgynous Geriatric Trainer

Make : Nasco Healthcare, USA



Model No.		LF04300 Light	LF04301 Light	LF04302 Light	LF04299 Light
	Feature Set Capability	Geriatric Patient Care Trainer	Geriatric Patient Skills Trainer	Geriatric Patient Simulator	Auscultation Patient Skills Trainer
General	Superior range of motion	✓	✓	✓	✓
	Enhanced full body aesthetics	✓	✓	✓	✓
	Lightweight: 50 lbs.	✓	✓	✓	✓
	Pupils	✓	✓	✓	✓
	Male and female	✓	✓	✓	✓
	Soft male and female genitalia	✓	✓	✓	✓
Skin Care	Normal and cancerous moles	✓	✓	✓	✓
	Stage I sacral ulcer	✓	✓	✓	✓
	Reddened skin folds	✓	✓	✓	✓
	Bandaging and wound dressing	✓	✓	✓	✓
Movement Assistance, Fall Prevention and Care	Patient positioning	✓	✓	✓	✓
Bathing	Clothing changes	✓	✓	✓	✓
	Bed baths	✓	✓	✓	✓
Grooming & Daily Living Assistance	Eye irrigation and optic drops	✓	✓	✓	✓
	Dental care	✓	✓	✓	✓
	Ear canal irrigation	✓	✓	✓	✓
	Hearing aid	✓	✓	✓	✓
	Hair care	✓	✓	✓	✓
Nursing Care	Pericare	✓	✓	✓	✓
	Ostomy care	✓	✓	✓	✓
	Urinary catheter care	✓	✓	✓	✓
	Stomas	✓	✓	✓	✓
	Standard arms with injection sites	✓	✓	✓	✓
	Support for oxygen administration	✓	✓	✓	✓
	Left blood pressure arm (with radial pulse)	Option ¹	✓	✓	✓
Advanced Skills	Injection sites	Option ¹	✓	✓	✓
	Gastrostomy procedures		✓	✓	✓
	Nasogastric tube procedures		✓	✓	✓
	Respiratory support: tracheostomy care, airway/trach suctioning		✓	✓	✓
	Urinary catheterization		✓	✓	✓
	Enema administration (female)		✓	✓	✓
	Pap smears (female)		✓	✓	✓
	Pelvic examination (female)		✓	✓	✓
	Prostate examination (male)		✓	✓	✓
	Right IV arm trainer	Option ¹	✓	✓	✓
	IV arm circulation pump	Option ¹	Option ¹	Option ¹	Option ¹
	Foot Assessment, Wound Care and Edema		✓	✓	✓
ACLS/BLS	CPR with quality performance metrics		✓	✓	✓
	Carotid pulse		✓	✓	✓
	Articulating jaw	✓	✓	✓	✓
	Intubation		✓	✓	✓
	Ventilation		✓	✓	✓
Advanced Nursing ACLS/ BLS	Auscultation (heart and lung sounds)				✓
Monitoring & Therapeutics	Patient vital signs and monitored signals	Option ¹	Option ¹	✓ ¹	✓ ¹



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Interactive ECG Simulator

Model No. LF03670 A Sh. wt. 3 lbs.

Make : Nasco Healthcare, USA



- Defibrillation shock can be delivered through manikin or simulator
- Connect defibrillator/external pacer to simulator using adapters
- Built-in circuitry allows you to defibrillate and pace directly into the ECG simulator and observe ECG rhythms through the PADS connector
- Convert feature
- Select another rhythm to run immediately after defib discharge
- Pacing can be done on any manufacturer's defibrillator
- 17 Adult/Pediatric Rhythms
- 6 Waveforms
- Battery saver feature powers-off simulator automatically when not in use





Smart Stat Basic

Model No. 101-8002

Make : Nasco Healthcare, USA



More advanced and simpler to use than other high-fidelity simulators in the same price range

Portable, flexible, and rugged iPad®* system offers the opportunity for a wide range of simulation training exercises across many medical disciplines, including:

- Disaster response
- Emergency medical response team
- Military battlefield
- Nursing school
- Physician
- University teaching hospital
- Paramedic
- Hospital and clinic training programs
- Nurse safety
- Wireless, tetherless patient simulator operates via iPad®* Wi-Fi® technology and utilizes simplified product control screens for ease of operations
- No programming experience or high-cost training required
- Unit can be operated within 5 minutes of exploring the iPad®* screens iPad®* allows recording of students' attempts at assessment and treatment of the patient simulator's physiological presentation
- Pull up any one of many scenarios for teaching and challenging students' abilities, and testing knowledge, proficiency, and critical-thinking skills
- Easily transfer records via PDF document to a PC for storing, printing, and using
- Durable simulator can be used indoors and outdoors in many environments
- Battery-operated simulator can be connected by wire to a local power source (110V or 220V AC versions) when doing clinical lab time where movement of the simulator is not necessary
- Simulator is 6 ft. (189 cm) tall with 46 in. (116 cm) chest, 32 in. (81 cm) inseam, 40 in. (101 cm) waist, 26 in. (66 cm) head circumference, and 18½ in. (47 cm) neck
- 1-year warranty (extended 2-year warranty available at time of purchase)

NOTE: Defibrillation with hands-free pad technology requires the use of a training cable furnished free; the item number depends upon defibrillation unit manufacturer and must be identified for inclusion in the shipment. Chest post adapters, also furnished with the patient simulator, are used in conjunction with the training cable.



Affordable patient simulator takes ALS training into the students' environment. Instructors can evaluate student knowledge, skill levels, and critical thinking abilities by utilizing the applications via the iPad®*



SEM TRAINERS & SYSTEMS

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Smart Stat Basic

Model No. 101-8002

Make : Nasco Healthcare, USA

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Full Body Mannequin

semtrainersvalsad@gmail.com

www.semtrainers.com



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Simulaids Key Features	SMART STAT with iPad™	SMART STAT Basic with iPad™
Product Numbers	101-8000U / 101-8001U	101-8002U
Blood Pressure	Yes	Yes
Cardiac Rhythms	51 variations	51 variations
External vitals monitor for students	Yes	Yes
Lung Sound Sites	Yes - 6 anterior, 4 posterior	Yes - 6 anterior
Cardiac Sound Sites	Yes - 4	Yes - 4
Airway Management: Oral/Nasal	Yes	Yes
Stomach Rise/Auscultation Related to Airway Placement	Yes	Yes
Right Main Stem Intubation	Yes	Yes
Cricothyrotomy	Needle	Needle
Tracheotomy Care/Suctioning	Non-Surgical	Non-Surgical
Positive Ventilation	Yes	Yes
Sealick Maneuver	Yes	Yes
ETCO Flushing	Yes	No
Cyanosis/CO flushing	Both, on Lips/Fingers	No
Pulse Ox reading	Yes	No
Jaw thrust to clear airway	Yes	Yes
Breakaway Teeth	Yes	Yes
Spontaneous chest rise	Yes	Yes
ALS functions with cardioversion	Yes	Yes
Chest-Decompression/Drains/ Pericardiocentesis	Yes	Yes
Reactive Eyes	Yes	No
Convulsions/Seizures	Focal Seizures	No
CPR landmarks	Yes	Yes
Closed Chest Compressions	Yes	Yes
Anterior Pacing	Yes	Yes
ECG Leads	5 (optional 12 lead overlay)	5 (optional 12 lead overlay)
IV Access & IM	Yes	Yes
Phlebotomy and Arterial Access	Yes	No
I/O Access	FAST, Optional Leg & Humerus	Optional Leg & Humerus
Pulse Points	Yes - 12, reactive to BP	Yes - 12, reactive to BP
Edema: Tongue, Larynx	Yes	Yes
Fluid Management	Internal	external
Facial Fluids	3	0
Urinary Fluids/Catheterization	Yes	No
Bowel Sounds	Yes	No
Instructor Control Unit - Full Body Adult Simulation	Yes	Yes
Scenarios that can be altered during simulation	Yes, comes with three. Special focus sets available	Yes, comes with three. Special focus sets available
Trauma management	Optional torso overlay with packable wound, Trauma leg and arm	Optional torso overlay with packable wound, Trauma leg and arm - external fluids
Use with training meds	Yes - Able to add to scenario list, not auto-recognized	Yes - Able to add to scenario list, not auto-recognized
Ultrasound	Optional VausSim™ FAST ultrasound system - torso	Optional VausSim™ FAST ultrasound system - torso
Microphone Speech option	Wireless one way, Pre-Programmed	Wireless one way, Pre-Programmed
Simulator Controller	iPad™	iPad™
Wireless Control	Yes	Yes
Debriefing Support	Part of iPad™ App	Part of iPad™ App
Carrying System	Hard case with wheels	Hard case with wheels
Free video conference-based training	Scheduled as needed with client	Scheduled as needed with client



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SKILLQUBE qubeZERO

Model No. : SQqubeZeroEX

Make: Skillcube, Germany

qubeZERO is a generic version of a patient monitoring device.

qubeSERIES monitoring simulation system for your patient monitor/defibrillators.

Key Features:

- Full functional ECG-monitor interface
- CPR-mode, defibrillation, pacemaker
- Checklists and standard procedures for documentation
- Seamless integration with qubeAV mobile debriefing system
- Browser-based scenario editor, image, and video library
- Control of vital parameters by instructor
- Auscultation functionality, blood glucometer, thermometer with an assessment app

Product components:

- 1 software license for a monitor/device
- Hardware (frame, carry case, cables)
- Sensors: CPR feedback

Not included/must purchase the following separately:

iPad Pro 12.9" (5th Generation 2021, 128GB min)
 iPad 10.2" (9th Generation 2021, 64GB min)
 iPod 4" (7th Generation 2019, 32GB min)
 Dimensions: 24" x 15.75" x 11.5".

Sh. wt. 11.57 lbs without Apple hardware.



SKILLQUBE -qubeAIRFLOW

Model No. : qubeAIRFLOW

Make: Skillcube, Germany

The ventilation sensor qubeAIRFLOW assists your team in practicing efficient manual ventilation. For even greater precision in training!

- Capture of inspiratory VT
- Conditionally expiratory Vte
- Capture of respiratory rate
- The values collected during this process are

displayed in real-time on the qubeCONTROL for the instructor and the trainee's respective monitor.



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ENT DEPARTMENT





Digital Eye Examination/Retinopathy Trainer

Model No. : SB51006 Make: Nasco Healthcare, USA

Hands-on experience in examination of the eyes and the use of an ophthalmoscope.

Easy-to-use trainer utilizes the latest in high-resolution digital screening technology, enhancing realism and the training experience.

Just type in the number of the eye condition or disease you want for each eye in the corresponding digital control, then cover the control pad with the examination cover.

Features:

36 diabetic, common, and less common retinal conditions
Sleep mode conserves power
battery power option
Batteries not included.

Includes mains adapter with worldwide plug fixings, instruction manual, and rigid carrying case.

Dimensions: 14-9/16 in. L x 13-3/4 in. W x 11-7/16 in. H



Nose Bleed Trainer

Model No. : SB38892 Make: Nasco Healthcare, USA

Interactive model provides a practical test of skill in managing severe nose bleeds

Students must identify the bleeding point, clear it by suction, and stop the bleeding either by nasal packing or cautery

The nasal interior has capillary tubes for delivering artificial blood at variable rates to four sites on the septum

This Interactive model also contains an indicator light that illuminates to signal a successful cautery

Includes hard plastic head with soft nasal area, control box, four 10 ml syringes, a 50 ml syringe, blood concentrate, and instruction manual

Requires one 9V battery (included)

11 in. L x 6-1/3 in. W x 7-1/2 in. H

Two-year warranty



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Digital Ear Examination Trainer

Model No. : SB52823 Make: Nasco Healthcare, USA



Facilitate the most realistic training experience in ear examination.

- Simple to set up and use
- Soft, flexible, and realistic pinna and ear canal
- High-resolution digital display
- Easy-to-use digital control for 48 ear conditions
- Examination cover to hide displays of condition numbers
- Sleep mode to conserve power
- Includes rigid carrying case, mains adapter with worldwide plug fixings, and instruction manual

Ear conditions:

- Normal I
- Normal II
- Earwax (cerumen)
- Swimmer's osteoma
- Fungal ear I
- Fungal ear II
- Acute viral ear
- Acute secretory otitis media I
- Resolving secretory otitis media
- Acute secretory otitis media II
- Acute secretory otitis media III
- Perforation following an acute suppurative otitis media (ASOM)
- Childhood glue ear
- Glue ear in a child with a dermoid cyst in the eardrum
- Adult glue ear
- A standard ventilation tube in the membrane
- Infected mini grommet with otitis externa secondary to a mucus discharge
- Permanent ventilation tube in place
- Large perforation of the tympanic membrane
- A posterior perforation of the tympanic membrane
- 2 small traumatic perforations following a blow to the ear
- Subtotal perforation of the tympanic membrane
- Perforation with tympanosclerosis
- Grommet scar healed
- Tympanosclerosis of tympanic membrane
- Posterior retraction
- Retraction onto long process of the incus
- Retraction with loss of long process of the incus and keratin trail
- Retraction with loss of long process of the incus
- Posterior retraction pocket onto jugular bulb and with middle ear fluid
- Retraction with early keratin buildup
- Childhood attic retraction
- Deep attic retraction
- Attic retraction accumulation keratin – underlying cholesteatoma
- Extensive accumulation with cholesteatoma in middle ear
- Wet cholesteatoma
- Clean dry reconstructed mastoid cavity
- Old style mastoid cavity with residual cholesteatoma
- Mastoid cavity with fistula into lateral semicircular canal
- Congenital cholesteatoma
- Large congenital cholesteatoma
- Ear canal cholesteatoma I
- Ear canal cholesteatoma II
- Keratosis obturans
- Glomus tympanicum tumors
- Glomus jugulare tumor
- Foreign bodies
- Aural polyp



Ear Syringing Trainer

Model No. : SB38893 Make: Nasco Healthcare, USA



Learn syringing without the fear or risk of harming a patient

Flexible pinna allows manipulation

Waterproof head is angled correctly

Anatomically correct meatus with an embedded endoscopic photograph of a normal tympanic membrane showing the handle of the malleus as a landmark

Includes synthetic wax



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Trauma Mannequin



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Trauma Manikin Moulage Kit

Model No. 800-6701 Ship weight 9 lbs.

Make : Nasco Healthcare, USA



Size 13" x 13" x 12". Ship weight 9 lbs.

Can be used with any Rescue manikin, the WMD/CBRNE/DECON Full-Body Trainer (101-088FBU), or the Trauma CPR Manikin (100-2700U), (100-2725U). Application of these realistic bleeding moulages to a full-body manikin facilitates quick identification, diagnosis, and dressing of wounds by trainees. Kit includes compound fractures, contusions, lacerations, evisceration, sucking chest wound, impalement, crushed foot, jaw wound, and projectile entry and exit of arm. These bleeding wounds strap on and are complete with pump assembly. Simulated blood is included. Non-bleeding strap-on wounds include 2nd and 3rd degree burns of the chest, back, forearm, and face. Manikin sold separately.

The kit contains a big variety of bleeding and non-bleeding wounds. A perfect kit to be added to a manikin.

Bleeding wounds (complete with reservoir bags with pump assembly):

- 1 sucking wound of chest
- 1 laceration of the forearm
- 1 broken clavicle with seat belt contusion
- 1 projectile entry & exit of arm
- 1 impalement of lower leg
- 1 crushed foot
- 1 jaw wound (manikin use only)
- 1 laceration of the forehead (manikin use only)
- 1 compound fracture of humerus
- 1 compound fracture of femur
- 1 compound fracture of tibia
- 1 abdominal wound with protruding intestines
- 1 pkg. blood powder for 4.5 litre simulated blood

Non-bleeding wounds:

- 2nd & 3rd degree burn of the chest
- 2nd & 3rd degree burn of the back
- 2nd & 3rd degree burn of the hand
- 2nd & 3rd degree burn of the forearm
- 1 burn of face (manikin use only)



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EMT Casualty Simulation Kit

Model No. 800-818 Ship weight 33 lbs.

Make : Nasco Healthcare, USA



The EMT Kit kit has the largest variety of strap-on wounds for ease in getting the most impact with the least skill used during incident training preparation. Additional stick-on wounds and makeup accessories that allow for more detailed enhancement round out this kit.

Contents:

Bleeding strap-on wounds complete with reservoir bags with pump assembly

- 1 jaw wound (#6807)
 - 1 abdominal wound with protruding intestines (#6808)
 - 2 compound fractures of humerus, upper arm (#6816 each)
 - 2 compound fractures of femur, upper leg (#6819 each)
 - 1 laceration of forehead (#6725)
 - 1 leg amputation (#6760)
 - 2 compound fractures of tibia, lower leg (#6761 each)
 - 2 gunshot wounds of palm (#6881 each)
- Non-Bleeding Simulated Wounds:

- 1 phosphorous burn of hand (#6801)
 - 1 sucking wound of chest (#6713)
 - 1 face in shock (#6882)
 - 1st, 2nd & 3rd degree burn of face (#6828)
 - 1st, 2nd & 3rd degree burn of chest (#6724)
 - 1st, 2nd & 3rd degree burn of back (#6773)
 - 1st, 2nd & 3rd degree burn of hand (#6799)
 - 1st, 2nd & 3rd degree burn of forearm (#6802)
 - 36 assorted stick-on lacerations & open fracture wounds (reorder #219, 1 doz.)
- Makeup Accessories:

- 1 body adhesive for stick-on wounds (#PP2159)
- 2 casualty simulation wax (#223, 1 container)
- 3 bottles coagulant makeup blood (#226, 1 bottle)
- 5 pkgs. powder to make 5 gallons simulated blood (#225, 1 pkg.)
- 1 pkg. of methyl cellulose for blood thickening (#228)
- 1 ea. grease paint colors: white (#220), blue (#222), brown (#221), and red (#218)
- 2 pkg. broken Plexiglas® for simulating glass embedded wound (#230, 1 pkg.)
- 1 container cold cream (#851)
- 2 atomizer mist sprayers (#839 ea.)
- 1 ea. Plastalene Modeling Paste, white (#856)
- 1 ea. Plastalene Modeling Paste, dark (#855)
- 6 tongue depressors (reorder #842, pk. of 100)
- 1 tissue (#844)
- 1 fake dirt (#233)
- 1 charcoal (#854)
- 1 petroleum jelly (#239)
- 1 mirror (#838)
- 2 spatulas (reorder #835, pkg. of 6)

Size: 24" x 9" x 20".



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Sectra Virtual Dissection Table



Virtual Dissection Table

दूरभाष/Phone: 25367033, 25367035, 25367036

ई-मेल/E-mail: secy-mci@nic.in

पॉकेट-14, सेक्टर-8, द्वारका,

फेस - १, नई दिल्ली - 110077

Pocket-14, Sector-8, Dwarka

Phase -1, New Delhi - 110077

राष्ट्रीय आयुर्विज्ञान आयोग
National Medical Commission
Undergraduate Medical Education Board

Public Notice

In accordance with section 57(1) and section 24(1) of the National Medical Commission Act, 2019 the following regulations namely (i) "Minimum Requirements for Annual MBBS admissions regulations, 2020" and (ii) "Amendment to establishment of Medical College Regulations" framed by the National Medical Commission is being in placed in public domain for comments.

The comments, if any, should be submitted to the Secretary, National Medical Commission by e-mail at secy-mci@nic.in on or before 5.00 PM on 19.10.2020.

Date: 13.10.2020

Vats
13/10/20
Dr. R.K. Vats
Secretary



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Virtual Dissection Table

legislations.

A.1.18. Child Care Centre

A Child Care Center shall be established in the medical college with adequate facilities for taking care of the infants and the children of staff of the medical college and/or teaching hospital.

A.2. DEPARTMENT SPECIFIC REQUIREMENTS

The additional specific requirements of each department, if any, shall be provided as described in the following sections:

A.2.1. Department of Anatomy

- i) **Dissection Hall** – There shall be a dissection hall to accommodate 50% of annual student intake (area of at least 4.20 sq.M/student shall be provided which shall be sufficient for ante-room for students with lockers, wash basins, embalming room, space for storage tanks and cold storage room or cooling cabinets with space sufficient for at least 1 body/10 student annual intake). It shall be well lit, well-ventilated with exhaust fans and preferably centrally air-conditioned. There shall be adequate teaching aids in the hall.

Desirable: 3D Virtual Anatomy Dissection Table.

A.2.2. Department of Pathology

- i) There shall be a separate service laboratory each for histopathology, cytopathology, Hematology and other specialized work of the hospital which shall be suitably equipped
- ii) These service labs shall have adequate storage space for stores and equipment.
- iii) There shall also be a wash room with continuous water supply.
- iv) These service laboratories can be located in either the medical college, teaching hospital or both.

A.2.3. Department of Microbiology

- i) There shall be a separate service laboratory each for (a) Bacteriology including anaerobic bacteria; (b) Serology; (c) Virology; (d) Parasitology; (e) Mycology; (f) Tuberculosis; and (g) immunology.
- ii) The service laboratories shall have adequate storage space for stores and equipment
- iii) There shall be separate accommodation for media preparation and storage, autoclaving, and washing with regular and continuous water supply.
- iv) These service laboratories can be located in either the medical college, teaching hospital or both.
- v) The Virology Service Laboratory shall be a BSL-2 level laboratory. The laboratory shall include the following areas:-
 - a. Sample receiving area



SECTRA Virtual Dissection Table

Model No. : F-18

Make: Sectra, Sweden

SECTRA is one of the world's leading providers of IT systems for managing medical images and patient information with more than 1,800 installations worldwide.

The Education Portal builds on this global network and gives teachers and students a powerful tool for interactive, problem-based learning. The extensive library of real patient cases and the complete human anatomy atlas can be accessed from any touch device. Empower clinical thinking and collaboration through anatomy, radiology, pathology, histology and embryology modules.



Problem Based Learning:

Enable students to transfer foundational concepts into clinical medicine with complete patient cases (fully anonymized rare and common pathologies). Integrated radiology and histology images with diagnostic quality.

Unprecedented image quality:

High resolution and full screen histology images with full range of capabilities (cell counting, zoom with different staining, measurements, layer focus, and more). You can also add realistic effects like light and shadows in the 3D reconstruction for additional visual clues.

Lightning fast:

Data is stored in the cloud enabling extremely fast access to files, quick response times, and real time synchronization. No more downtime in the classroom waiting for images to load. Access anywhere: SECTRA Education Portal works anywhere and on any device. It is a cloud-based system built on the powerful and globally established PACS radiology software. It is FDA and CE certified and includes automatic software updates.

Global collaboration:

Upload any DICOM data (automatic anonymization) to securely share it with the global network or keep it in your private data space. Store and review clinical case, add your own annotations (in 2D and 3D), prepare classroom and exam files, and bookmark your current case.

Access anywhere:

SECTRA Education Portal works anywhere and on any device. It is a cloud-based system built on the powerful and globally established PACS radiology software. It is FDA and CE certified and includes automatic software updates.



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SECTRA Virtual Dissection Table

Model No. : F-18

Make: Sectra, Sweden

Teacher and student licenses:

- Easy bi-directional way to share cases, generate URLs with a click of a button
- Students have access from any touch device to study the cases
- Teacher have access from any device and can prepare cases from the SECTRAPACS software
- Students can follow the teacher's screen on their device while the presentation is synchronized in real time. They can also request control of the screen to share their questions and answers



Unique Content:

- 4D videos of CT
- Histology
- Complicated cases
- Veterinary cases
- Integrated cases (pathology + US + photo + RX + MMG)
- Comparison cases
- New imaging technique cases (7Tesla MR)

Curriculum

- Anatomy Pathways
- Virtual Edge
- Cadaver Dissection Guide
- Surface Palpation Guide
- The Anatomy of clinical procedures
- Radiology library related to 3D anatomy
- Muscle Tables
- WELLS Center Clinical Skills

Optional: 3D Trauma Tool for Orthopedic Surgery Planning and Debrief

The planning system offers a set of tools aimed at clinical training and pre-operative planning of trauma cases. These tools allow users to interactively evaluate and discuss different cases and strategies, making the table ideal for surgical training.

Hide: Hide anatomical structures irrelevant to the damaged area that may obscure the trauma site

Reposition: Align fragments automatically by placing landmarks

Explode: Separate fragments in order to study them separately

Template: Import 3D templates from CAD drawings

Distances: Measure distances in 3D space



e-Anatomien

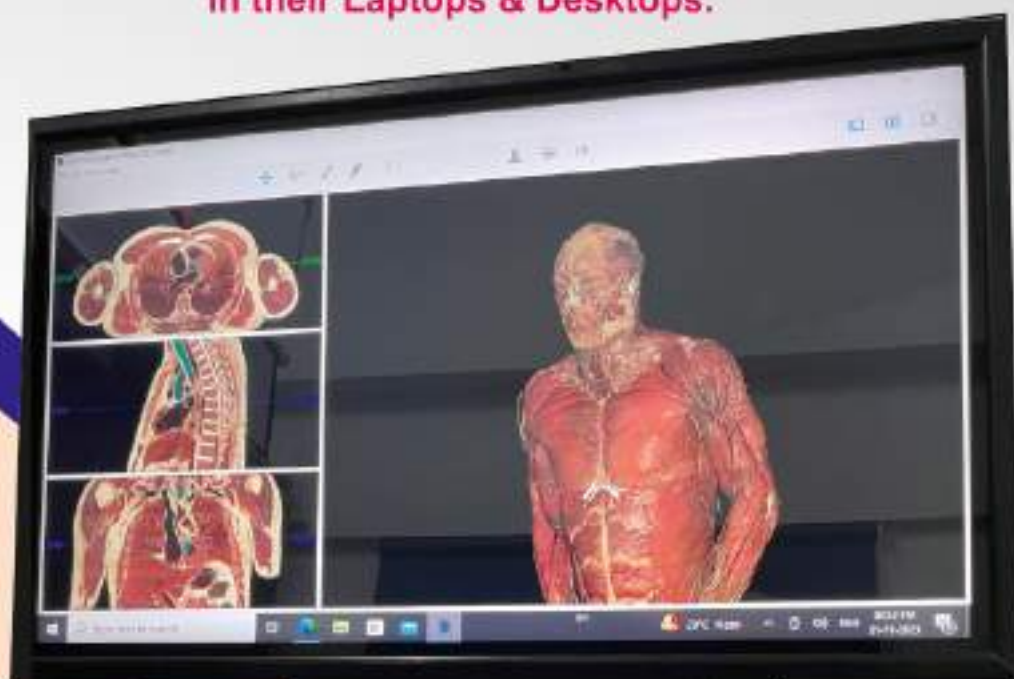
Virtual Dissection Table (Made in India)



VH Dissector™ Pro

Licensed Software for Medical Colleges and Medical Students

**First time ever in India,
Faculty can teach & share the content.
Students can dissect, learn anatomy and much more
in their Laptops & Desktops.**



**Easier & faster
Learning of Anatomy
& much more**

Garage, Shilpatula Co-Op Housing Society,
Survey No. 157/P+28, Aundh, Pune 411007

indusenterprise@gmail.com

www.induspune.com

8805021751 | 8805027511 | 8530203623

GSTIN : 27AAUPM9418L1ZS



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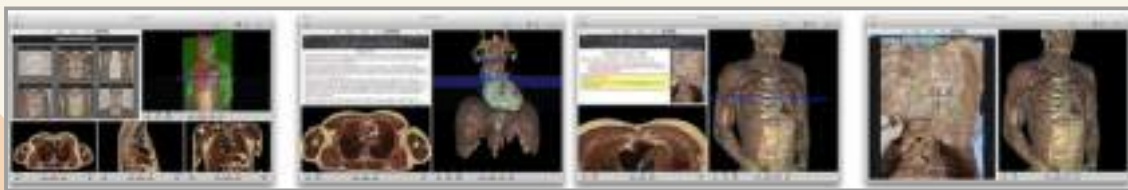
Toltech - VH Dissector

Buy
One year
Subscription



Buy
Four year
Subscription

Built on real anatomy from the National Library of Medicine's Visible Human Project, the VH Dissector platform provides an integrated environment for anatomical education and reference. With the ability to interact with correlated 3D and cross-sectional views of over 2,000 anatomical structures through identification, dissection, assembly and rotation the VH Dissector helps students understand the complex three-dimensional structure of the human body. Combining a complete electronic dissector with integrated 3D and cross-sectional atlases, the VH Dissector platform provides a comprehensive resource for gross anatomy education. Used in the dissection lab, for small group discussions or as a self-study resource, the VH Dissector provides:



Step-by-Step Dissection Instructions

Dissections are organized regionally and each dissection starts with an overview of the anatomical features of the area along with key concepts such as muscle function, innervation and blood supply. These introductions are then followed by step-by-step dissection instructions with correlated high-resolution labeled dissection photographs to help students quickly locate and identify structures in the lab. Within each step important relationships between key structures are highlighted and demonstrated through links to the VH Dissector's 3D and cross-sectional views helping students better understand the complex relationships of the human body.

High-resolution virtual "bone box"

Interactive high-resolution photographs of each bone with labeled landmarks provide students with a way to study these details outside of the anatomy lab. Students can identify each landmark and view them from a variety of angles. Also,

Clinical Rotations

The VH Dissector platform provides an interactive, always available anatomical resource for students to review and better understand clinical anatomy as they progress through their clinical rotations and on interresidency. Using the VH Dissector they can study clinical skills in an anatomical context, review key anatomical concepts for surgical procedures and better understand MRI, CT and Ultrasound clinical imaging.



unlike a real bone lab, with the VH Dissector students can study the soft tissue related to each landmark to improve understanding and retention. This resource allows students to study this necessary information outside of class in a virtual environment, wherever and whenever they want.

Career Reference

As the most comprehensive electronic 3D and cross-sectional atlas available, the VH Dissector belongs on every physician's virtual bookshelf and your students will already have it. As a reference resource, the VH Dissector can be used to correlate labeled coronal, sagittal and transverse cross-sections with patient imaging and review anatomy for new or complex procedures. Additionally, the VH Dissector can be used with patients to educate them about procedures and treatments, improving understanding and outcomes.



Customers Speak...On Actual Product Demo

Suggestions / feedback

Date:	Name:	Institute and Place
31/07/2024	Faculty	KATTANKULATHUR, CHENNAI

“

The table is very realistic. Good visuals. Very useful for students especially the Test mode. Kindly incorporate histology and surface marking. The radiology part is really good

”

Date:	Name:	Institute and Place
31/05/2024	Student	Bangalore

“

Super impressed by the VR Technology, really wish to have this in my college. The dissector is probably the most useful thing a medical student would purchase

”

Date:	Name:	Institute and Place
28/09/2024	Faculty	Mangalore

“

Impressive product. It is real life. The colors is impressive and very relatable.

”

Date:	Name:	Institute and Place
03/08/2024	Faculty	KATTANKULATHUR, CHENNAI

“

Helpful for the students to learn by and also make them interesting. But need more training

”

Date:	Name:	Institute and Place
31/07/2024	Student	KATTANKULATHUR, CHENNAI

“

- Very nice application to learn repeatedly
- Smaller structures would be more visible For Example- Fossa Ovalis, limbus of it, Mesentery, Peritoneum
- Very Very Interesting
- The amount of informations given here is really fascinating

”

Date:	Name:	Institute and Place
28/09/2024		

“

It is very useful for students. Virtual of all human cadaver in display is very good. It encourages the students to study the subject.

”

Date:	Name:	Institute and Place
31/05/2024		

“

The quality of the material is great, feels like it will last long with multiple use(Spinal Anesthesia Model). The virtual cadaver model has a lot of options, will be a good aid to add to the learning of Anatomy with actual cadavers

”

Date:	Name:	Institute and Place
31/07/2024	Student	KATTANKULATHUR, CHENNAI

“

VH Dissector portal was good but will take time to learn quick. Excellent, all medical students should be aware of this type of learning

”

Date:	Name:	Institute and Place
29/09/2024	Student	Mangalore

“

The interface is interactive and very useful for study purpose

”

Date:	Name:	Institute and Place
02/08/2024	Faculty	Chennai

“

Nice concept to have virtual, interactive and more participative learning system. Enhances conceptual clarity especially which is needed in the field, medicine.

”

Date:	Name:	Institute and Place
31/08/2024	Faculty	Potheri, Chengalpattu

“

1. When compared to other virtual cadavers, this seems to be good.
2. User Friendly
3. Features are good and satisfactory.
4. Radiology part is good.
5. All the organs are looking like cadaver specimens
6. Better to include histology slides
7. Surface marking- Number of structures to be increased

”

Date:	Name:	Institute and Place
28/09/2024	Student	Tumkur

“

VH Dissector is excellent. It will be useful for students to understand each part clearly

”

Date:	Name:	Institute and Place
04/08/2024		Chennai

“

- Cost effective.
- Radiology part is very good.
- Using original cadaver is good

”

Date:	Name:	Institute and Place
18/07/2024	Faculty	Mangalore

“

Real virtual cadaver, I recommend this. This will be an Excellent cadaver replacement, both beneficial for student and teacher

THANK YOU

”

Date:	Name:	Institute and Place
28/09/2024	Faculty	

“

New techniques and advancement I see which is very new learning towards anatomy

”



UNIQUE FEATURES

- First time in India - Launching Real Virtual Cadaver for Medical Student's Education
- Innovative 3 Pronged Learning Approach
Horizontal table - Vertical table or Connecting to larger Screen
- Using Technology for Assisting Teachers in Content sharing (on e-mail by click of button)
- Trolley Table with 65" Display +20 Touch Display Screen
- HD Display for best picture quality
- Real 3D & Cross Sectioned Anatomy



New
Offering

VH Dissector VR, AR & XR
Immersive 3D



Indus
ENTERPRISE
Where we Innovate to Educate...

CONTENT- VH Pro

- User Reference Guide
- Virtual Prosections



LESSONS

- Anatomy Pathways
- Cadaver Dissection Guide
- Surface Palpation Guide
- Virtual Edge
- Radiology Library
- The Anatomy of Clinical Procedures
- Muscle Tables
- WELLS Center Clinical Skills
 - a) Cardiovascular System
 - b) Pulmonary System
 - c) Neurological System
 - d) Gastrointestinal System
 - e) System
 - f) Urinary System
 - g) Hematological System

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Manikins for Department of Pharmacology



NMC Skills Lab Guidelines

[भाग III—खण्ड 4]

भारत का राजपत्र : असाधारण

75

	arm with articulation, LED lights that are color and intensity, Dedicated USB ports for camera control and data transfer adjustable, Integrated pathology camera system, Instrument Set (High quality) Height Adjustable Stainless Steel Chairs With Split AC of appropriate capacity.	1
29.	Fully Automated Immuno-histo-chemistry Setup with Continuous supply of Important Antibodies, Lymphoma Panel etc.	1
(C)	Hematology Lab:	
30.	Five part Fully Automated Cell Counter	1
31.	Three Part Fully Automated Cell Counter	1
32.	Coagulometer (Fully automated)	1

5. PHARMACOLOGY

S.No.	NAME OF THE ITEMS	No. Required
(A)	Clinical Pharmacy	
1	Special Drug Delivery systems like Metered Dose Inhalers, Spacers, Rotahalers, Nasal sprays, Transdermal patches, Insulin infusion pumps (optional), Insulin pen etc.	10 sets
2	Samples of dosage formulations of various types including rational and irrational FDC, Essential medicines	10 sets
3	Manikins for demonstration of intravenous injection, enema, local, intramuscular injections, intracardiac injection and other routes of drug administration	10 sets
(B)	Computer Assisted Learning Laboratory	
4	Must have computers with standard configuration and connected to the internet. (Preferably broadband) along with an AV aids (Multimedia Projector and Screen). The PC should be installed with CAL programmes and other software for teaching experimental pharmacology. The students must have access to the National Essential Drug Lists, Standard Treatment Guidelines, Banned Drugs List of the CDSCO, PVPL WHO, Price Controlled Drugs List, Antibiotic Guidelines, Hospital formulary, adverse drug reactions, and other resource material which the student can use for learning the principles of rational prescribing.	25 computers

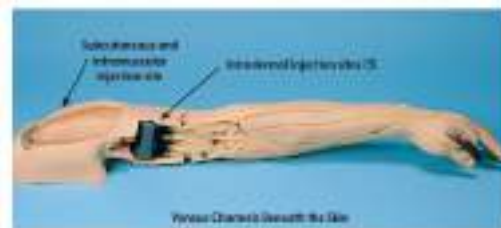




Advanced Venipuncture and Injection Arm

Model No. : LF01121U Each. Sh. wt. 20 lbs.

Make : Nasco Healthcare, USA



This revolutionary training arm provides complete venous access for IV therapy, phlebotomy, intramuscular and intradermal injections. An extensive 8-line vascular system allows students to practice venipuncture at all primary and secondary locations, including starting IVs and introducing Over the Needle IV Catheters.

Soft, flexible fingers are molded separately with extreme attention paid to every detail - right down to the fingerprints! Flexion of the wrist helps students develop manipulation skills. The replaceable skin rolls as the veins are palpated, and a discernible "pop" is felt when entering the veins.

Key Features

- Simplified setup with one external fluid bag supplying artificial blood to all veins simultaneously
- Dorsal surface of hand includes injectable metacarpal, digital, and thumb veins. Antecubital fossa includes the median cephalic, median basilic, and median cubital veins
- Venipuncture can also be performed along the basilic, cephalic, accessory cephalic, and median antebrachial veins
- Intramuscular injections may be performed in the deltoid muscle and intradermal injection sites are located in the upper arm.
- Intramuscular injections into the deltoid muscle are enhanced by the soft, lifelike skin and by the natural bony landmarks in the region.
- Intradermal injections using distilled water will create characteristic skin welts at designated sites on the upper arm

Complete Venous Access:

- Basilic V.
- Cephalic V.
- Digital V.
- Dorsal Metacarpal V.
- Median Basilic V.
- Accessory Cephalic V.
- Extensive Venipuncture System
- Flexible Fingers and Wrist
- Intradermal Injections
- Intramuscular Injections
- Median Antebrachial V.
- Median Cephalic V.
- Median Cubital V.
- Replaceable Skin and Veins
- Thumb V.
- Five-year warranty.

Consumables & replacement parts Model No.

Replacement External Tubing Sh. wt. 0.25 lbs. LF00990U



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Geriatric IV Training Arm

Model No. : 140-610 Sh. wt. 16 lbs.

Make : Nasco Healthcare, USA



Developed from a live cast, this arm is unique to the industry. Its properties include veins that roll away or disappear as you attempt to catheterize the vessel and a specially developed skin that is exceptionally lifelike. Catheterization in this IV arm may be done either in the dorsal side of the hand or on the medial aspect of the forearm where you can palpate either a cephalic or basilic vein, including the antecubital fosse. If your students work with the aged, this adjunct to your teaching lab will enable them to better serve in the future. Comes with carry bag. Size: 35" x 13" x 9". Ship weight 16 lbs.

Consumables & replacement parts Model No.

Geriatric Arm Replacement Skin & Veins Sh. wt. 2.75 lbs.	140-611U
Geriatric Arm Replacement Veins Sh. wt. 0.19 lbs.	140-612U



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Pediatric Arm

Model No. : LF00958U Light

Sh. wt. 11 lbs.

Make : Nasco Healthcare, USA



- Exact reproduction of the arm of a 6-year-old child
- Practice venipuncture and intramuscular injection techniques and procedures used in young children
- Soft foam is used to simulate the deltoid muscle and allows the student to "get the feel" of administering intramuscular injections to children
- Simulated bone in the shoulder defines and limits the injection area
- Water may be used as an injection fluid in the shoulder area
- Includes a Life/form® arm, fluid supply bag, 3 cc syringe, 1 pint Life/form® blood, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty
- Carton size: 22 in. x 11 in. x 6 in.

Consumables & replacement parts Model No.

Pediatric Arm Replacement Skin and Vein Kit LF00986U
Sh. wt. 1.50 lbs.

Pediatric Arm Vein Replacements Only LF01056U
Sh. wt. 0.25 lbs.



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Infant IV Arm

Model No. : LF03637U Sh. wt. 2.50 lbs.

Make : Nasco Healthcare, USA



- **Life/form® Infant IV Arm**
- Special, extremely thin, synthetic skin, and tubing with appropriately small lumen and thin walls
- Cephalic and basilic vein are accessible, as well as the dorsal venous arch on the hand
- Includes 2 IV bags with clamps, 1 pint blood, and winged infusion set
- 5-year warranty

Consumables & replacement parts	Model No.
Infant IV Arm Replacement Skin and Veins Sh. wt. 2.50 lbs.	LF03641U
Blood Quart. Sh. wt. 0.38 lbs. Gallon. Sh. wt. 0.88 lbs.	LF00845U LF00846U
Fluid Supply Bag 500 ml. Sh. wt. 0.31 lbs.	LF01130U
Fluid Supply Stand • 5 in. x 8 in. base, 5/16 in. steel hooked rod Sh. wt. 4 lbs.	LF01022U



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Paediatric Head

Model No. : LF00999 Sh. wt. 9.50 lbs.

Make : Nasco Healthcare, USA



The Life/form® Paediatric Head is an Invaluable tool for demonstrating and practicing infusions and injections in the temporal and jugular veins of a newborn to twelve-month-old infant.

Functional head is realistically modeled to represent a six-month-old infant.

This model provides realistic sensation and response. The lifelike vinyl skin actually rolls as you palpate to allow location of the vein. The synthetic rubber tubing for the veins was carefully selected to provide a lifelike simulation of vein size, and feeling of puncture and palpation for practicing venipuncture.

The temporal vein of the Life/form® Paediatric Head is easily accessible for IV infusions. Practice in the jugular vein is equally realistic. The neck is made of soft, flexible foam to provide a realistic feel of palpation and puncture.

Includes a Life/form® Head with skin and veins, fluid supply bag, two different gauge winged infusion needles, one pint Life/form® blood, teaching guide, and hard carry case. Fluid supply stand not included

Five-year warranty.

Carton size: 19 in. x 10 in. x 5 in.

Consumables & replacement parts	Model No.
Pediatric Head Replacement Skin and Vein Kit Sh. wt. 2 lbs.	LF01003U
Pediatric Head Vein Replacements Only Sh. wt. 0.25 lbs.	LF01058U



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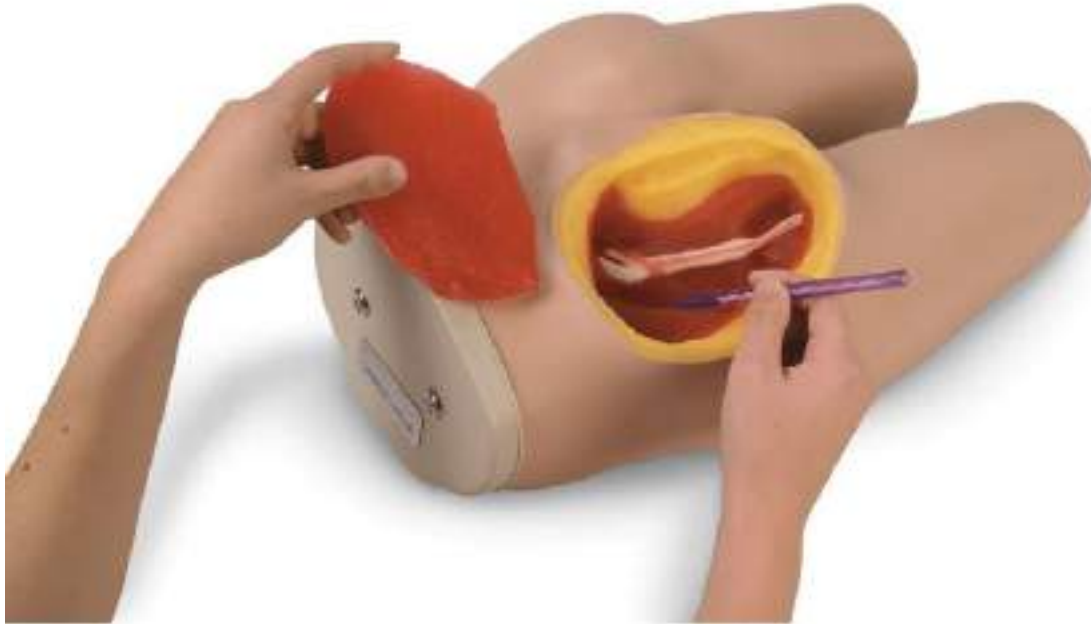
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Intramuscular Injection Simulator

Model No. : LF00961U Sh. wt. 18 lbs.

Make : Nasco Healthcare, USA



- Simulated bony structure is embedded in the torso and represents the superior end of the femur, or greater trochanter, the posterior superior and anterior superior iliac spines, and the sacrum
- Bony structure provides palpable anatomical landmarks to identify proper injection sites
- Section of the upper, outer quadrant of the left gluteal area is cut away to visualize the underlying structures
- Gluteus medius and gluteus maximus muscles, sciatic nerve, and vascular structures are clearly shown
- 3 types of intramuscular injections can be taught and practiced on this simulator: dorsogluteal, ventrogluteal, and vastus lateralis injections
- Extremely realistic skin and muscle textures, as well as bone shape and position, closely resemble a live patient
- Perforation of the tissue with a needle duplicates the sensation of administering an actual injection
- Includes instruction manual, supply of syringes, and hard carry case
- 5-year warranty

Consumables & replacement parts Model No.

Replacement Muscle Sh. wt. 0.50 lbs.

LF00963U



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SMASH Advanced Patient Training Arm - 110V Arm - Light

Model No. : **SB50844** Sh. wt. 15 lbs.

Make : Nasco Healthcare, USA



- Provides both venous and arterial vascular access
- Delivers automatically generated arterial pulses at the radial and brachial sites and controls arterial blood flow by allowing variable heart rate and pulse strength
- Hemodialysis site on the forearm
- Intramuscular injection sites on the upper arm
- Subcutaneous injection sites on the volar forearm and lateral upper arm
- Suture and incision sites on both the upper arm and forearm
- Adjustable heart rate and pulse strength
- Healed fistula for hemodialysis exercises
- Cephalic (antecubital), basilic, radial, and ulnar veins as well as the radial and brachial arteries for infusion and blood draw
- Interchangeable arterial and venous insert for IV and blood draw exercises, AV anastomosis, and placement of AV grafts includes skin, subcutaneous tissue, muscle, radial artery, and radial vein
- Multilayer insert that includes the skin, subcutaneous tissue, and muscle allows incision and suturing exercises
- Rotating arm allowing dorsal and volar access along the length of the arm
- Varying vessel palpability to simulate collapsed or bulging vessels

Consumables & replacement parts	Model No.
Arterial/Venous Insert Sh. wt. 1.25 lbs.	SB50840(L)U
Blood Dispensing Bag Sh. wt. 1.25 lbs.	SB50841U
Replacement Skin Sh. wt. 2.25 lbs.	SB50842(L)U
Replacement Veins Sh. wt. 1.25 lbs.	SB50843U
Fistula Insert Sh. wt. 1.25 lbs.	SB50846U
Incision and Suture Insert Sh. wt. 1.25 lbs.	SB50847U





Diabetic Injection Pad

Model No. : WA18238 Sh. wt. 0.63 lbs.

Make : Nasco Healthcare, USA



- May be worn on the body in specific locations (abdomen, thigh, upper arm) to allow patients to inject fluids into the pad to practice giving themselves injections
- Pad is thick enough to accept all insulin needles
- Has a 1 in. wide nylon strap with an adjustable plastic buckle
- The 6 1/4 in. L x 4 1/4 in. W x 3/4 in. D oval pad has a hard plastic backing to prevent the needle from poking through the pad and into the wearer's skin
- 5-year warranty

Consumables & replacement parts Model No.

Replacement Injection Pad

Sh. wt. 0.56 lbs.

WA18338U



Injection Belly

Model No. : WA28395 Sh. wt. 0.63 lbs.

Make : Nasco Healthcare, USA



- Teach patients how to properly insert and rotate the infusion set for insulin pumps, avoiding the 2 in. (5 cm) area around the navel, as well as giving self-injections of many types including pen-style injections
- Lifelike skin with what feels like real stomach tissue underneath
- Soft plastic backing to keep needles from going through and holes to allow the material to breathe and dry
- Distilled water may be injected
- Actual insulin or other medications should not be used, as they may deteriorate the material
- Injection belly is considered disposable; however, with proper care and treatment it will serve its purpose for a long period of time
- Using the smallest needles possible when simulating injections and rotating the insertion points will help prolong the life of the trainer



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Intradermal Injection Simulator

Model No. : LF01008U Light Sh. wt. 2.25 lbs.

Make : Nasco Healthcare, USA



- Practice intradermal injections safely and conveniently with the Life/form® Intradermal Injection Simulator
- Unit consists of a casting molded from a real forearm from the wrist to just below the elbow
- Life/form® soft vinyl skin provides realistic feel and appearance to ensure a realistic training experience
- 8 sites for practicing intracutaneous injections
- If fluid is properly injected, a characteristic skin welt will form
- Welt is removed by withdrawing the fluid after practice
- Each site is reusable by dozens of students
- Includes arm section with 8 injection sites, 2-oz. bottle of liquid skin repair, syringe, instruction manual, and storage box
- Included intradermal sealant (LF01009U) will extend the life of skin; however, skin is not replaceable and the simulator will eventually need replacement
- 13 in. x 11 in. x 5 in.
- 5-year warranty

Consumables & replacement parts Model No.

Intradermal Sealant 2-oz. bottle. Sh. wt. 0.25 lbs.

LF01009U



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Arterial Puncture Arm

Model No. : LF00995U Sh. wt. 17 lbs.

Make : Nasco Healthcare, USA



- Features the realism of appearance and performance necessary to provide realistic practice for trainees
- Easy to set up and use, this valuable training aid is ideal for practice and demonstration in drawing arterial blood samples for monitoring blood gases
- Identify puncture locations through palpation of the pulse at either the radial or brachial sites
- Realistic arterial pressure produces a realistic backflow of blood in the syringe, confirming proper needle location in the artery
- Periodic use of the tubing sealant provided will extend the life of each Skin/Artery Kit
- Arm has one artery tubing section installed
- Includes two 3 cc syringes with needles, fluid supply bag, 2 replacement sections of artery, 1 pint Life/form® arterial blood, tubing sealant, instruction manual, and soft carry case
- Fluid supply stand not included
- Cannot place arterial lines
- 28 in. x 13 in. x 5 in.
- 5-year warranty

Consumables & replacement parts	Model No.
Skin Replacement Kit with 3 Artery Sections Includes skin, 2 foam pads, lubricant, tubing with pulse bulb, 1 complete artery, 2 middle artery sections, and instruction manual Sh. wt. 2.25 lbs.	LF00998U
Arterial Puncture Arm Artery Replacement Only Includes 3 arteries and lubricant Sh. wt. 0.50 lbs.	LF01059U
Arterial Blood Quart Sh. wt. 0.38 lbs.	LF01004U
Nasco Cleaner Use to remove stubborn stains from simulators• 12-oz. bottle Sh. wt. 0.88 lbs.	LF09919U

Consumables & replacement parts	Model No.
Arterial Puncture Arm Injection Replacement Pad Sh. wt. 1.25 lbs.	LF00992U
Tubing Sealant Periodic use will extend the life of skin and arteries Sh. wt. 2 lbs.	LF01099U
Fluid Supply Stand 5 in. x 8 in. base, 5/16 in. steel hooked rod Sh. wt. 4 lbs.	LF01022U
Fluid Supply Bag 500 ml Sh. wt. 0.31 lbs.	LF01130U
Replacement Pulse Bulb 3 oz. Sh. wt. 0.19 lbs	LF03490U



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Chester Chest™ with Peripheral Port Access Arm

Model No. : SB18636 Sh. wt. 11 lbs.

Make : Nasco Healthcare, USA

External Central Catheter

- Pre-positioned, surgically placed in the right chest
- Subcutaneous tunnel is visible up to and just over the clavicle
- Distinguishable Dacron® cuff
- Distal catheter end is pre-attached to the blood reservoir bag

Implanted Vascular Access Device

- Located in the left chest under a specially formulated flap designed to simulate real human tissue
- Situated over a rigid underlying surface with molded ribs and a recessed area for the
- interchangeable inserts
- 3 difficult accessing inserts placed either under or over the port to simulate palpating and accessing a port with one of the following types of placements: normal, "tipping," "wandering," or "deeply placed"

Peripheral Placed Central Catheter

- Located in the rotated, extended, detachable right arm
- Dual lumen 5FR PICC exits the slightly raised, basilic vein on the right inner biceps
- Pre-positioned 20G IV catheter in the right forearm
- Catheters are pre-attached to a blood reservoir bag
- Complete blood draws, heparinization, and fluid infusion while attached or
- unattached to the torso

Additional Capabilities:

- Subclavian catheter
- Triple lumen catheter
- Jugular catheter



Chester Chest™ with Peripheral Port Access Arm

- Also has recessed area posterior to PICC insertion site for optional peripheral port (peripheral port sold separately at right)
- Base of recessed area is made of soft material that permits port to "float" when accessed
- When placed over port, included tissue flap allows for a realistic feel when palpating and accessing

Consumables & replacement parts	Model No.
Chest Tissue Flap Replacement	SB41587U
• Duplicates the feel of human tissue • Place chest tissue flap over chest port for realistic practice of palpating and accessing • Proper access of the port is confirmed by a "blood" withdrawal • Maintains integrity even after numerous needle insertions • Replacement chest tissue flap for all • Chester Chest™ versions listed above • 11 1/2 in. x 8 in. Sh. wt. 2.25 lbs.	

Consumables & replacement parts	Model No.
Carry Case • Soft-sided • 21 1/2 in. x 17 in. x 16 1/2 in. Sh. wt. 5 lbs.	SB29116U
Blood Bag Reservoir for Chester Chest™ Sh. wt. 0.25 lbs.	SB46515U
Practice Port • A real practice port with 9.6 FR catheter for the left side of Chester Chest™ Sh. wt. 2.50 lbs.	SB41588U
Universal Catheter Connector • For use with 9.6 FR catheter Sh. wt. 0.50 lbs.	SB50699U



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Central Venous Cannulation Simulator

Model No. : LF01087 Sh. wt. 23 lbs.

Make : Nasco Healthcare, USA



- Designed for learning and practicing CVC techniques
- Anatomically accurate, palpation is exactly the same as on a patient
- Sternal notch, sternocleidomastoid, clavicle, and other supporting features are present
- Internal features include a replaceable muscle and bone section, subclavian, internal jugular, external jugular, and carotid
- Use of a Swan-Ganz catheter is possible
- Neck of the simulator is positioned to the left, making landmark identity quite easy visually
- Sternal notch "sinks" 1-1.5 cm when palpated
- Accurate external and internal landmarks
- Includes fluid supply bags, replaceable skin, needles, 1 qt. blood, instruction manual, and hard carry case
- 5-year warranty

Consumables & replacement parts	Model No.
Skin Repair Kit Extends the life of replacement skins with brush-on treatment Sh. wt. 0.50 lbs.	LF01112U
Replacement Tubing Kit Each set consists of 1 subclavian vein, 1 internal jugular vein, 1 external jugular vein, and connectors 6 sets. Sh. wt. 1.75 lbs.	LF01113U
CVC Skin Replacement Sh. wt. 3.75 lbs.	LF01079U
CVC Simulator Replacement Kit Includes skin and veins Sh. wt. 4.50 lbs.	LF01078U

Consumables & replacement parts	Model No.
CVC Simulator Bone and Muscle Replacement Kit Sh. wt. 7 lbs.	LF01093U
Vein Tubing Sealant Kit Sh. wt. 2 lbs.	LF01099U
Fluid Supply Stand 5 in. x 8 in. base, 5/16 in. steel hooked rod Sh. wt. 4 lbs.	LF01022U
Fluid Administration Set Includes fluid bag with tubing and a fitting Sh. wt. 0.25 lbs.	LF01098U
Venous Blood Quart. Sh. wt. 0.38 lbs. Gallon. Sh. wt. 0.88 lbs.	LF00845U LF00846U



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Peter PICC Line™

Model No. : SB20132 Sh. wt. 12 lbs.

Make : Nasco Healthcare, USA



- Portable teaching model has translucent arm skin that allows the visualization of the anatomically correct cephalic, basilic, and median basilic veins
- Axillary jugular, subclavian, and superior vena cava veins are also present, plus a movable chin simulates the occlusion of the jugular to prevent the Peripherally Inserted Central Catheter Line (PICC) from taking this path
- Palpable ribs permit practice in measuring proper catheter length to the correct intercostal space
- Permits the measurement of catheter length outside of the body and the confirmation of proper placement by viewing the distal tip of the catheter in the viewable superior vena cava
- Replaceable, barely translucent arm skin allows visualization of underlying veins
- Includes soft carry case

Consumables & replacement parts	Model No.
Arm Skin Replacement Sh. wt. 0.38 lbs.	SB41585U
Body Skin Replacement. Sh. wt. 1.75 lbs.	SB41586U
Arm Vein Tubing Set Sh. wt. 0.31 lbs.	SB41583U



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Pericardiocentesis Simulator with Chest Tube and Pneumothorax

Model No. : LF03769 Sh. wt. 27 lbs.

Make : Nasco Healthcare, USA



- Designed specifically to teach the skills needed to perform this difficult procedure correctly, as well as ongoing chest tube maintenance and the management of pre-hospital chest trauma
- Pressurized tension pneumothorax site and a site for the surgical placement of a functional chest tube
- Fluid color, volume, and viscosity can be varied
- May be used with any commercially available closed water seal drainage unit
- Pericardiocentesis may be performed in the left subxiphoid space and in the left fifth intercostal space
- Accurate placement of the needle will allow for the withdrawal of fluid from the simulated pericardium
- Includes fluid reservoir bag, foot pump, surgical skin pads, subcutaneous surgical pads, nurse training pads, pneumothorax pads, blood powder, thickener, simulated pericardium, IV bag, instruction manual, and hard carry case
- Fluid supply stand not included
- 5-year warranty

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Spinal Injection Simulator

Model No. : LF01036 Sh. wt. 27 lbs.

Make : Nasco Healthcare, USA.



- Approaches include spinal anesthesia, spinal tap, epidural analgesia, caudal analgesia, sacral nerve block, and lumbar sympathetic block
- Easy-to-change vertebral column and replaceable skin
- Features proper resistance in needle puncture and accurate palpation reference points
- Spinal column can be charged with fluid
- Sitting or lateral positions for injection practice
- L1 and L2 sections of the vertebral column are visible
- Functional section includes L3-L5 vertebrae, plus the sacrum and coccyx
- Includes a fluid supply bag with connectors, instruction manual, and hard carry case
- Fluid supply stand and needle not included
- 5-year warranty

Consumables & replacement parts	Model No.
Spinal Replacement Kit Skin, musculatures, and spinal cord Sh. wt. 1.75 lbs.	LF01039U
Lubricant Kit — Pkg. of 6 2-oz. bottles Sh. wt. 0.88 lbs.	LF00985U
Fluid Supply Stand Sh. wt. 4 lbs.	LF01022U
Fluid Administration Set Fluid bag with tubing and a fitting Sh. wt. 0.25 lbs.	LF01098U



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SKILLQUBE®
Training

Debriefing System

Make : Skillcube, Germany

qubeAVpro



Debriefing System

Debriefing is one of the most important parts of simulation training. With qubeAV, instructors can support students both during and after training.

- Audio-video recording for simulation training
- Recording allows analysis of the training scenario from all angle
- Multiple marker-sets controlled via the marker keyboard, track pad or iPad .
- Ideal for classroom, in-hospital, or ambulance settings
- Seamless integration with all patient simulation systems

qubeAVpro

- Professional debriefing-system
- Mac-based software
- 3 HD cameras
- Can switch up between four cameras
- Stream external monitors
- Marker keyboard

SQqubeAVpro Sh. wt. 50 lbs.



SKILLQUBE®
Training

qubeAVgo

Make : Skillcube, Germany



Debriefing System

Debriefing is one of the most important parts of simulation training. With qubeAV, instructors can support students both during and after training.

- Audio-video recording for simulation training
- Recording allows analysis of the training scenario from all angle
- Multiple marker-sets controlled via the marker keyboard, track pad or iPad .
- Ideal for classroom, in-hospital, or ambulance settings
- Seamless integration with all patient simulation systems

qubeAVgo

- Mobile debriefing system
- iPad-based software
- 360° camera
- Can switch up between two cameras
- Stream SKILLQUBE® monitors
- Smart microphone
- Set marker with Apple Pencil

SQqubeAVgo Sh. wt. 20.4 lbs.



SEM TRAINERS & SYSTEMS

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Department of Anatomy

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THE GAZETTE OF INDIA : EXTRAORDINARY

[PART III—SEC. 4]

iv Supportive staff: As required

SCHEDULE III

EQUIPMENT (for various departments in the College and Hospitals).

Note: These recommendations are minimum requirements and will serve as a guide to the institutions with regard to the equipment required for teaching of MBBS students. For providing service to the attached hospital, the requirements would have to be provided accordingly. They are not meant to be an exhaustive list and the staff of the various departments will use their experience for equipping the departments.

1. ANATOMY

S.No.	NAME OF THE ITEMS	No. Required
(A)	General	
1	Drill machine	As required
2	Hand saw, preferably metal	As required
3	Band saw for sectioning body and limbs	As required
4	Brain knife	As required
5	Mortuary cooler for storing cadavers	As required
6	Storage tank to hold cadavers, static/movable, durable tank with input and output facility with lid	As required
7	Plastic tanks for storing soft and dissected parts	As required
8	Dissecting instruments for cadaveric dissection	As required
9	Meat cutting machine for thin body sections (trans and vertical) for gross anatomy sectional study	As required
10	Embalming Machine	1
(B)	Histology Laboratory	
11	Microscopes, Monocular/Binocular	60
12	Dissection microscope	As required
13	Microtomes, rotary	As required
14	Microtomes, Sledge, large cutting	As required
15	Paraffin embedding bath	As required
16	Hot plates for flattening sections	As required
(C)	Museum	
17	Articulated Skeleton set	As required
18	Bones (Dis-articulated) sets	As required





Flexible Adult Skeleton, Mounted

Model No. : **MG35315** Sh. wt. 20.9 lbs.

Make : Nasco Healthcare, USA.



A life-size model of an adult male. This skeleton model is an exact reproduction of a human skeleton, manufactured with quality criteria, highlighting its flexibility. Stable mounting and firm structure guarantee excellent quality even with heavy use. Final assembly by hand. The teeth are manufactured separately and inserted into the jaw. Limbs can be removed and replaced very quickly and easily using a fastener. The shoulder, hip and knee joints have flexible rubber fasteners that allow for real, gliding joint movement. In total approximately 200 bones of the skeleton correspond to real human bones in size and weight. The skeleton is anatomically correct and complete, it shows all important structures and foramina. It comes with a hanging ring, if necessary, it can be hung on a special support or from the ceiling. Detachable components: Skullcap, Skull, Jaw, Legs and Arms. Caster support for smooth movement. Accompanying an interactive 3D anatomical model with augmented reality is a great tool to encourage learning and support. This platform allows students to engage in comparative analysis of anatomical models as they compare and contrast the structure of individual organs. This initiative also provides a platform for continuing education, providing opportunities for all students to increase their knowledge of anatomy, physiology and pathophysiology.

One-Year Warranty

Ship Weight (LBs): 20.9 lbs.

Dimensions. (Inches): 38.19 x 18.11 x 11.81





Disarticulated Skeleton, Unmounted

Model No. : MG22950 Sh. wt. 18.7 lbs.

Make : Nasco Healthcare, USA.



A life-size model showing the complete human skeleton with separated bones: skull, axial skeleton, hyoid bone, ribs, sternum with rib cartilage, upper and lower limbs, sacrum and coccyx are represented in high detail. One side (of the left foot) are in wire, the other set is removed. The skull can be disassembled into 3 parts: skullcap, skull base and mandible. Made from long-lasting synthetic material. Accompanying an interactive 3D anatomical model with augmented reality is a great tool to encourage learning and support. This platform allows students to engage in comparative analysis of anatomical models as they compare and contrast the structure of individual organs. This initiative also provides a platform for continuing education, providing opportunities for all students to increase their knowledge of anatomy, physiology and pathophysiology.

One-Year Warranty

Ship Weight (LBs): 18.7 lbs.

Dimensions. (Inches): 17.72 x 14.17 x 7.87



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Advanced Skill Lab



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GERi™ Complete Nursing Skills Manikin

Model No. LF04001 Sh. wt. 32 lbs.

Make : Nasco Healthcare, USA



GERi™ has an elderly appearance with skin wrinkles and folds. Complete lifelike range of motion, realistic patient positioning, and non-pinching joints - moves like a person.

- Lightweight - approximately 28 lbs.
- Full-size adult manikin - measures 58 in.
- Overall female appearance
- Converts to male with removal of wig and attachment of male genitals

Visual Inspection:

- Normal and Cancerous Mole
- Stage 1 Sacral Ulcer
- Dilated and Constricted pupils
- Reddened Skin Folds

Patient Care Simulation:

- Bandaging and Wound Dressing
- Bed Baths
- Clothing Changes
- Denture Placement and Removal, Upper and Lower
- Ear Canal Irrigation, Otic Drops, and Hearing Aid Placement
- Eye Irrigation
- Finger and Toe Manipulation with Bandaging - Flexible and Individually Molded
- Hair Care Washing and Combing
- Intramuscular Injection Sites: Arm, Thigh, Buttock
- Oral and Nasal Hygiene: Lavage, Gavage, and Suctioning
- Ostomy Care: Ileostomy and Colostomy Tissue
- Maintenance and Appliance Application, Lavage, and Suctioning
- Patient Positioning
- Patient Transfer Techniques
- Pericare
- Tracheostomy Care, Lavage and Suctioning

The complete GERi™ Manikin also includes:

- Gastrostomy Procedures, Lavage and Gavage
- Enema Administration, Female Only
- Urinary Catheterization, Female and Uncircumcised Male
- Pap Smears and Douching
- Prostate Exam, Stage B
- Nasogastric Tube Placement
- Internal Fluid Reservoirs

Ideal for OBRA Required Training. Carry case not included.

Five-Year Warranty.

Ship Weight: 32 lbs.

Dimensions. (inches): 11 x 37 x 24



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Deluxe Child CRiSis Manikin with ECG Simulator

Model No. LF03617 Sh. wt. 38 lbs.

Make: Nasco Healthcare, USA



The Deluxe Child CRiSis Manikin is a dramatic, state-of-the-art manikin designed for teaching individuals or groups life-saving techniques for children. Simulating an 5-year-old child, manikin provides complete PALS training capabilities it combines all of the skill stations on one manikin, making training more realistic and giving students an appreciation for the smaller scale of the patient.

The Life/form® Child CRiSis Manikin also includes an Arrhythmia Simulator. This arrhythmia/pacing simulator recreates 17 adult heart rhythms and 17 pediatric rhythms. With an external pacer, you can simulate electronic capture. You can also simulate cardioversion with manual, semiautomatic, or automatic defibrillation.

This is anatomically correct in detail. Realistic anatomy and landmarks include a mouth, tongue, oral pharynx, epiglottis, arytenoids, vocal cords, trachea, and esophagus. In addition to the palpable and visual landmarks, the head, neck, and jaw are fully articulated, allowing a realistic jaw thrust feature. This manikin has separate left and right lungs for auscultation has oral, nasal, and digital intubation capabilities and includes an inflatable stomach bladder to indicate esophageal intubation.

Also features E.T., E.O.A., P.T.L., L.M.A., E.G.T.A., Combitube®, and King System insertion. The Child CRiSis Manikin is 46-3/4 in. L and weighs 20 lbs. Ideal for ACLS, nursing, paramedic, and EMT training at every level. Hard carry case (LF03467U) is available separately.

Blood Pressure Arm

- Auscultatory gap can be added
- Can be used with optional speaker system to broadcast sounds to the entire classroom (LF01189U)
- Instructor determines systolic and diastolic levels, heart rate, and sound volume
- Palpable radial pulse
- Speaker in arm reproduces real blood pressure sounds
- 5 Korotkoff sounds

CPR

- Fully articulated head, neck, and jaw
- Jaw thrust
- Palpable and visual landmarks
- Palpable carotid pulse (manual)

Defibrillation Chest

- Arrhythmia recognition
- Completely compatible with all standard brands and types of defibrillators, monitors, and patient simulators
- Load box prevents shocks from going to the patient simulator
- Manual, automatic, and semi-automatic defibrillation
- Pacing
- Rhythms are detected at 4 ECG sites and 2 defibrillation sites

Femoral Access

- Articulated leg requires proper positioning
- Palpable arterial pulse (manual)
- Palpable symphysis pubis and anterior superior iliac spine
- Realistic flashback from pressurized venous system
- Replaceable injection pad

Intraosseous Infusion

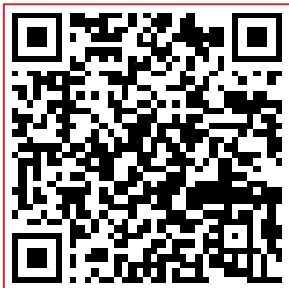
- Palpable landmarks include the patella, tibia, and tibial tuberosity
- Pressurized system allows aspiration of fluid
- Replaceable bones and skin

IV Arm

- Articulated at the biceps for antecubital and dorsal access
- Realistic flashback from a pressurized system
- Replaceable skin and veins
- Smaller lumen tubing simulates the size of a child's veins

Five-Year Warranty

Ship Weight: 38 lbs.
Dimensions. (inches): 31 x 18 x 12



Auscultation Trainer 2.0

Model No. LF01290EX Light Sh. wt. 30.1 lbs

Make : Nasco Healthcare, USA

Nasco Healthcare's Auscultation Trainer 2.0 powered by SmartScope 2.0 is the latest evolution of our Auscultation Trainer, offering highly realistic simulation of heart, lung, and bowel sounds to improve diagnostic accuracy.

Using the SmartScope 2.0, lung sounds can be detected at eleven anterior, ten posterior, and two midaxillary locations. Learners can practice auscultation at five anterior heart sites and five bowel sites.

A diagnosis of the condition chosen by the instructor can be determined by comparing the variations in sounds at different sites, mimicking the experience with a real patient.

Instructors can choose from a comprehensive menu of heart, lung, and bowel conditions utilizing the Be READY Auscultation app for iPad.*



Lung Conditions:

- Bronchovesicular
- Bronchial
- Cavernous
- Coarse Crackle
- Egophony
- Fine Crackle
- Friction Rub
- Mono Wheeze
- Normal Lung
- Pectoriloquy
- Pulmonary Edema
- Rhonch
- Stridor
- Vesicular
- Wheeze

Heart Conditions:

- Aortic Regurgitation
- Atrial Septal Defect
- Holosystolic
- Midsystolic
- Mitral Stenosis
- Normal
- PDA
- Pulmonary
- Stenosis
- S3 Gallop
- S4 Gallop
- Systolic Click
- VSD

Includes:

- Auscultation Torso
- SmartScope 2.0 with single and dual-user headpieces
- Carry case
- Five-year warranty on manikin. Two-year warranty on electronics.

Ship Weight: 30.1 lbs.

Dimensions. (Inches): 34.5 x 20 x 10.25

Key Features :

- Customizable illuminated sites can be shut on/off to adjust training difficulty
- Realistic heart, lung, and bowel sounds
- Wireless connectivity
- Palpable landmarks
- Carry case
- SmartScope 2.0
- 5-year warranty on manikin
- 2-year warranty on electronics
- Dual head teaching stethoscope adapter
- NEW Custom sounds via user upload
- NEW Rechargeable USB-C

Bowel Conditions:

- Normal
- Hypoactive
- Hyperactive
- User can also upload their own custom sounds to sites.



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Clinical Chloe™ Advanced Patient Care Simulator

Model No. SB51891 L Sh. wt. 50 lbs.

Make: Gaumard, USA



General Patient Care

- Articulating head, jaw, elbows, wrists, knees, and ankles
- Bathing and bandaging activity
- Enema administration capability
- Full body with soft realistic face skin, hands, feet, fingers, and toes
- Interchangeable male and female organs
- Manual palpable pulses
- Realistic eyes for ophthalmic exercises open and close (1 pupil is dilated)
- Realistic urethral passage and bladder for catheterization exercises
- Set of 2 decubitus ulcers
- Simulated ear canal for otic drops and irrigation
- Stylish wig for hair care exercises and surgical draping
- Transverse colostomy, ileostomy, and suprapubic stomas to practice irrigation
- Ulcerated foot
- Upper and lower dentures for oral hygiene

Breast Palpation

- Breast palpation capability with 1 abnormal breast
- Interchangeable male and female breast inserts

CPR

- OMNI® Code Blue® Pack included to monitor compressions and airway ventilations
- Practice BVM with realistic chest rise
- Practice CPR
- Realistic heart, lungs, ribs, stomach, and liver for unparalleled CPR performance

Airway

- Anatomically accurate airway
- Nasal and oral tube placement
- NG and OG tube feeding and gastric suction
- Tongue, epiglottis, vocal cords, and esophagus look and feel real
- Trachea, bronchi, and lungs enable assessment of airway management skills
- Tracheotomy intubation with replaceable trachea
- Tracheotomy placement

Injection Training

- Advanced training arm and hand for IV, IM, and sub-Q techniques
- Intramuscular injection sites in arm, thighs, and buttock

GYN Training

- Vaginal douching and Pap smear exercises with realistic vagina and cervix

Other

- Bends and detaches at waist for easy storage
- Carrying bag
- Detachable and removable internal tanks
- Instruction manual
- Latch provides secure seal between ostomies and internal tanks
- Neck brace
- 1-year warranty



Pneumothorax Training Manikin

Model No. 150-1800 Sh. wt. 9 lbs.

Make : Nasco Healthcare, USA



Recommended by EMT (Emergency Medical Training) instructors, this model permits instruction of the delicate procedure for successfully managing chest wounds in which a collapsed lung interferes with the victim's respiration and blood flow.

The model accepts needle and thoracotomy in the second intercostal space, in the mid-clavicular line, the fifth intercostal space in the mid-axillary line. A realistic training aid to practice proper needle insertion which enables built-up air pressure to escape the thorax.

Delivered with foot pump and carrying bag, without procedural needle.



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Breast Examination Simulator

Model No. LF00984 Sh. wt. 6.50 lbs.

Make: Nasco Healthcare, USA



- Special skin creates a lifelike look and feel
- Realistic fluid breast mass allows displacement of breast tissue under palpation almost exactly as it occurs in a live patient
- Left breast has a small nodule in the upper outer quadrant and a fibroadenoma in the lower inside quadrant
- Right breast has a fixed lump in the upper outer quadrant, and a fluid-filled cyst in the lower inside quadrant
- Practice all phases of breast examination in both a sitting and supine position
- Lightweight simulator designed with a concave back to allow ease in demonstrating or practicing palpation techniques
- Use as a body overlay or attach to body for a standing examination
- Includes a neck strap (3-ft. long) and a waist strap (4-ft. long) that are adjustable and can be strapped on, instruction
- manual, American Cancer Society Guide to Breast Examination, and storage box
- 5-year warranty

Consumables & replacement parts	Model No.
Breast Replacement, Right • Contains fixed lump, fluid filled cyst, and round lump Sh. wt. 1.50 lbs.	LF01014U
Breast Replacement, Left • Contains small nodularity and fibroadenoma Sh. wt. 1.50 lbs.	LF01015U





Adult Choking Manikin

Model No. 100-1602 Sh. wt. 16 lbs.

Make : Nasco Healthcare, USA



The Adult Choking Manikin With Carry Bag functions on the principle of clearing a blocked airway with forced air generated with the proper procedure, abdominal thrusts or back blows.

Once the object is lodged in the airway, the student must use the anatomical landmarks to decide where to place their hands and to decide how much pressure is required to accomplish the maneuver. With the appropriate force applied, the students are rewarded with the visual confirmation of an expelled object.

Manikins include rib cage, xiphoid process, suprasternal notch to provide anatomical reference, foreign body for airway obstruction, shirt, and soft carry bag.

Size: 30" x 17" x 10".

Infant Choking Manikin

Model No. 100-1640 Sh. wt. 8 lbs.

Make : Nasco Healthcare, USA



The Infant Choking Manikin With Carry Bag functions on the principle of clearing a blocked airway with forced air generated with the proper procedure, abdominal thrusts or back blows.

Once the object is lodged in the airway, the student must use the anatomical landmarks to decide where to place their hands and to decide how much pressure is required to accomplish the maneuver. With the appropriate force applied, the students are rewarded with the visual confirmation of an expelled object.

Manikins include rib cage, xiphoid process, suprasternal notch to provide anatomical reference, foreign body for airway obstruction, shirt, and soft carry bag.

Size: 26 in. x 8 in. x 8 in.



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Female Pelvic Ultrasound Phantom Full set

US-10 US-10A US-10B US-10C US-10D

Make: Kyoto Kagaku, Japan



FEATURES

Compatible with actual ultrasound transducer
Six types of interchangeable phantom inserts with different pathologies
Realistic view of female external genital
Excellent ultrasound image quality

SKILLS

Handling and manipulation of transvaginal and transabdominal transducers
Interpretation of sonogram
Visualization and localization of anatomies and pathologies



Common for all units

- uterus
- urinary bladder
- pelvic bone
- ovaries
- follicles
- vagina
- rectum

Pregnancy units

- gestation sac
- yolk sac
- embryo
- placenta
- follicles
- umbilical cord (10-week)





Female Pelvic Ultrasound Phantom Full set

US-10 US-10A US-10B US-10C US-10D

Make: Kyoto Kagaku, Japan

KEY FEATURES

S	Anatomy, findings and pathology	
N		
N		
E		
P		
E		
E		



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Obstetric Examination Simulator

Model No. : MW34

Make: Kyoto Kagaku, Japan

Simulate prenatal checkups using our 39 to 40 week pregnancy simulator
All-in-one simulator: Palpation, Auscultation, and Measurement



FEATURES

- Soft, durable and realistic senses of touch
- Various fetal positions and orientations by rotating the fetal unit
- Recorded and edited actual fetal heart sounds

LANDMARKS

- pubic symphysis
- navel
- xiphoid process
- iliac crest
- great trochanters

KEY FEATURES

Auscultation



Selection of sounds can be controlled using a remote control for convenient and fast paced trainings. Actual fetal heart sound recordings can be heard with a stethoscope or projected for group-based sessions.

Five sound variations: Stethoscope sounds

- Fetal heart sounds
- Doppler sounds
- Fetal heart sounds
- Umbilical blood flow
- Umbilical blood flow with fetal heart sounds combined (posterior and anterior)

*Doppler sounds are to be heard through the external speaker.

Controllable parameters

Control of fetal heart rate (60-180)
 Switch between internal and external speakers

SPECIFICATIONS

Size: W30 x D 60 x H30 cm/ W11.8 x D23.6 x H11.8 inch
 Weight: 11.2 kg / 24.7 lbs

REPLACEMENT PARTS

11414-010 skin cover for MW34

MATERIALS

Soft resin Latex free

SET INCLUDES

- pregnancy torso
- AC adaptor
- remote control
- talcum powder instruction manual
- towel





Obstetric Examination Simulator

Model No. : MW34

Make: Kyoto Kagaku, Japan

KEY FEATURES

Palpation

Palpation of anatomically correct pelvic and fetal landmarks
Innovative tissue-like material!

■ Leopold's maneuvers

Palpate parts of the fetus, such as the head, buttocks and trunk using the first to fourth maneuvers.

Determine fetal position and orientation, as well as degrees of fetal descent.

First maneuver



Fourth maneuver



■ Cephalopelvic disproportion assessment

Practice multiple CPD assessment scenarios. Height of the fetal head against the pubic symphysis can be changed by rotating the fetal unit.



pubic symphysis



Measurements

Measure and estimate fetal weight, development and amniotic fluid volume.

Maternal abdominal girth



Fundal height



A variety of external pelvimetries



Distantia spinarum



Distantia cristarum



Distantia trochanterica



External oblique diameter



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NCPR Simulator Plus II

Model No. : MW21B

Make: Kyoto Kagaku, Japan

Added functions of PICC and IVC insertion to the standard NCPR Simulator



FEATURES

- Transillumination of the right hand and foot for IVC insertion
- Accessible veins on the right arm and leg for PICC insertion

Accessible veins:

- right arm basilic vein
- right hand dorsal vein
- right leg saphenous vein
- right leg popliteal vein

SKILL

- In addition to NCPR Simulator, NCPR Simulator Plus trains
- IV access with transilluminator guidance

SPECIFICATIONS

Size: 50 cm / 19.6 inch Size: 35cm / 13.7 inch
Head circumference: 28cm / 11 inch Weight: 2.6kg / 5.7 lbs

SET INCLUDES

- newborn manikin
- lubricant
- instruction manual

MATERIALS

Soft resin Latex free

REPLACEMENT PARTS

11400-010	mask
11400-020	chest skin
11400-030	umbilical cord
11400-040	1 right arm skin
11400-050	1 right leg skin
11400-310	4 vein tubes for right arm
11400-320	4 vein tubes for right leg
11400-080	abdomen
11388-400	10 cotton swab red
11229-050	lubricant



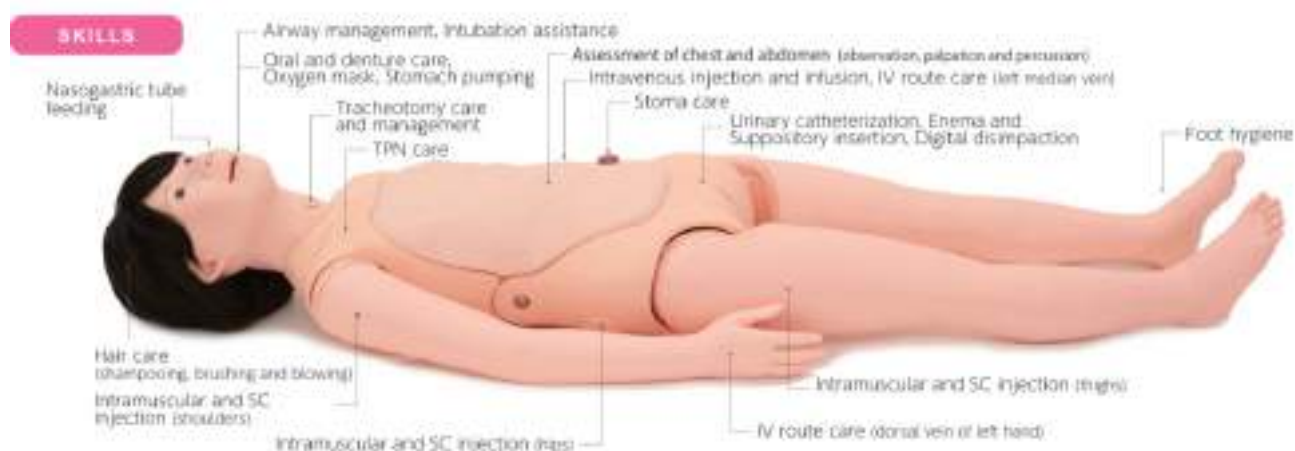


Patient Care Simulator "Yaye"

Model No. : MW25

Make: Kyoto Kagaku, Japan

Patient simulator for uninterrupted care in community and hospital setting
Featuring more than 40 training skills, Yaye can be used in simulations for all health care workers, including students and experienced staff



Feeding Tube feeding (oral/nasal)	Hygiene Oral care Bed bathing Change of clothes Perineal care Hair care Grooming and appearance	Wound Care Pressure sore care Dressing management	Critical Care Intubation assistance Chest compression Airway management
Elimination Urinary catheterization Stoma care Bedpan practice	Respiratory Care Oxygen management Airway suction Postural drainage Tracheotomy care	Drug Administration Central line care Subcutaneous injection Intramuscular injection Intravenous injection and infusion Enema and suppositories Per vaginal medication	Assessment Assessment of chest and abdomen
Exercise Positioning Patient transfer			Others Gastric aspiration Postmortem care
Pain Management Heat and cold compression			



Patient Care Simulator "Yaye"

Model No. : MW25

Make: Kyoto Kagaku, Japan

KEY FEATURES

Assessment of chest and abdomen

Soft and elastic abdomen allows deep palpation



Thoracoabdominal inspection, palpation and percussion
Anatomical landmarks and soft tissue offer realistic training

Observation

Palpation

Percussion

Patient varieties

Variable age, sex and personality



Variations in face masks, wigs and external genitals offer wide possibilities of simulation settings and realistic training.



Easy Transformation

* The elderly face mask and the elderly wig with gray hair are optional parts.

Infusion care and management

IV route training



Left median vein:
IV injection, infusion, securing cannula with tapes
Left hand dorsal vein:
Securing cannula with tapes, care during infusion



Intubation assistance

Airway management and CPR



Critical care such as perioperative situations and in ICU settings can be simulated.

- Preparation of equipment
- Oral intubation (laryngoscope and video laryngoscope)
- Confirmation of successful ventilation by:
 - Observation of thoracic movement (lung expansion)
 - Auscultation of the chest
- Securing the tube in place with tape
- Chest compression

SPECIFICATIONS

Size: 152cm / 59.8in. Weight: 17kg / 37.5lbs

MATERIALS

Soft resin Latex free

SET INCLUDES

- | | |
|--|---|
| 1. manikin | 1. set of simulated suppositories |
| 1. denture | 1. set of simulated feces |
| 1. wig (black) | 1. lubricant (for airway suction etc.) |
| 1. face mask (young) | 1. lubricant (for catheterization etc.) |
| 1. injection pad (median vein) | 1. irrigation bag |
| 2. shoulder injection pads | 1. drainage pump (urinary bladder) |
| 2. thigh injection pads | 1. drainage pump (rectum) |
| 2. hip IM pads | 1. drainage hose |
| 1. female genitalia (catheterization) | 1. set of pajamas |
| 1. female genitalia (suppository insertion/digital disimpaction) | 1. instruction manual |

REPLACEMENT PARTS

- | | |
|--|--|
| 11404-080 6 valves for urinary catheterization | 11404-020 face mask (young) |
| 11251-350 rectal valve | 11404-040 wig (young) |
| 11251-030 simulated feces set | 11404-060 female genitalia (catheterization, enema) |
| 11251-320 simulated suppository set | 11251-310 female genitalia (suppository insertion, digital disimpaction) |
| 11251-040 2 thigh IM pads | 11229-050 lubricant (for airway suction etc.) |
| 11251-030 2 shoulder IM pads | 11381-800 lubricant (for catheterization) |
| 11251-050 2 hip IM pads | |
| 11404-050 4 injection pads (median vein) | |
| 11404-070 male genitalia | |
| 11404-010 face mask (elderly) | |
| 11404-030 wig (elderly) | |



Patient Care Simulator "Cherry"

Model No. : MW22

Make: Kyoto Kagaku, Japan

Basic patient care manikin for introductory nursing

A basic full-body, nursing manikin that offers trainings of patient care for health care professionals



FEATURES

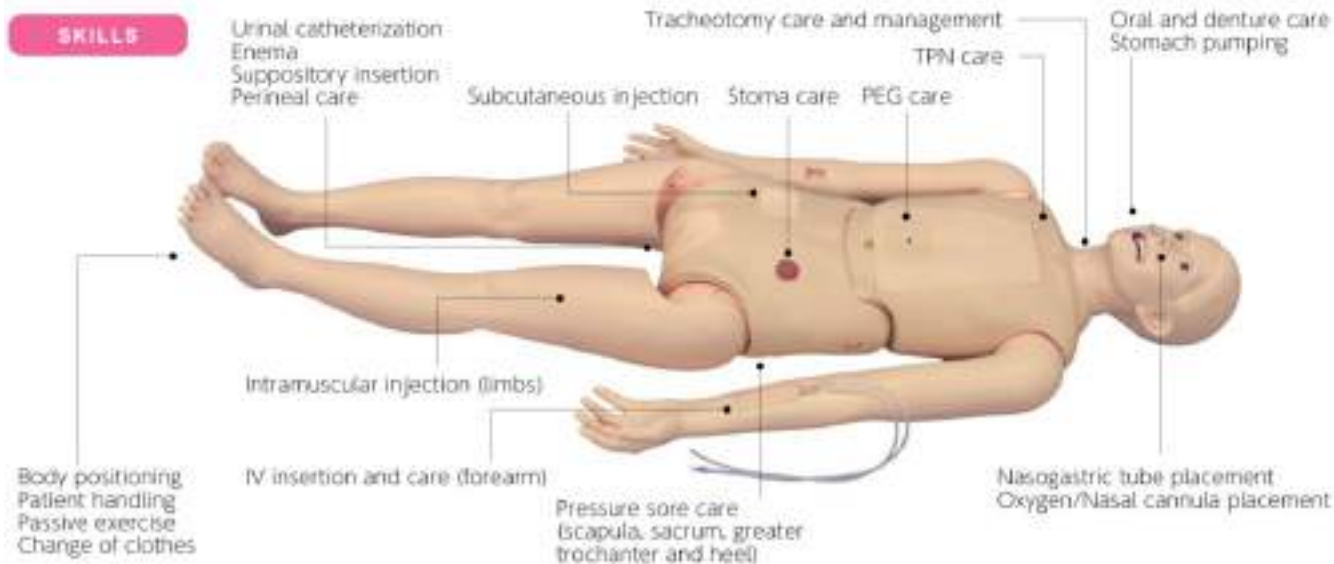
- 1 | Able to sit in upright position
- 2 | Seamless limbs up to fingers and toes
- 3 | TPN and IV routes to simulate patients with catheter lines
- 4 | True-to-life articulation for patient handling



Subcutaneous injection



Wound care



SPECIFICATIONS

Size: 163 cm / 64 inch

MATERIALS

Soft resin Latex free

SET INCLUDES

- | | |
|---|---------------------|
| 1. manikin | 1. female genitalia |
| 1. denture | 1. male genitalia |
| 1. set of injection pads (subcutaneous / gluteal / femoral IM / upper arm IM) | 1. wound care pad |
| | 1. bottle |
| | 1. syringe |

REPLACEMENT PARTS

- 11401-010 insulin injection pad for MW22 (a set of 6)
- 11401-020 gluteal IM pads for MW22 (a set of 4)
- 11401-030 female genitalia unit for MW22
- 11401-040 male genitalia unit for MW22
- 11401-050 shoulder IM pads for MW 22 (a pair)
- 11401-060 thigh IM pads for MW22
- 11401-070 wound care pad for MW22 (a pair)
- 11401-080 dentures (a set of upper & lower) for MW22, MW26
- 11401-090 stomach for MW22
- 11388-200 2 median antebrachial pad



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Tube Feeding Simulator (NG, OG, and PEG)

Model No. : MW8 Make: Kyoto Kagaku, Japan

Gastric tube management simulator to learn theories and skills

Can be used as an effective educational tool for caregivers and health care professionals
Featuring three routes and compatible with real liquid for training



The manikin can be set in Fowler's position.

FEATURES

- Feeding tube insertion and confirmation of the tube placement (NG/OG)
- Transparent structure which allows direct observation of progress
- and tube placement
- Cross-section panel and chest anatomy map for theoretical
- understandings
- Flexible neck to learn appropriate neck/head positioning

SKILL

- Nasogastric/ oral gastric insertion, management and tube placement confirmation
- PEG tube management
- Physiological understanding
- Gastric aspiration

KEY FEATURES



To facilitate anatomical understanding, the feeding routes panel for demonstration and the chest anatomy to overlay the manikin come with the set. The panel is sold separately as MW5.



Feeding Tube Insertion

Nasogastric and oral tube insertion



Administration through three Routes

Actual liquid can be administered through mouth, nose and PEG tube. Medication administration techniques can also be simulated (using water).

SPECIFICATIONS

Size: 60 x 37 x 23 cm / 25.6 x 14.6 x 9 inch
Weight: 4.4kg/9.7lbs

SET INCLUDES

- | | |
|----------------|-----------------------------|
| 1 male torso | 1 tube feeding routes panel |
| 1 support base | 1 chest sheet |
| 1 drain tube | 1 instruction manual |
| 1 funnel | 1 lubricant |
| 1 plastic cup | |

REPLACEMENT PARTS

- | | |
|---------------|--------------------------|
| 11384-030 | 1 face mask |
| 11386-000- 01 | drain hose |
| 11386-000- 02 | tube feeding chest sheet |
| 11392-070 | band of face skin |
| 11229-050 | 1 lubricant |

RECOMMENDED DEVICES



"AbdoAbby" Abdominal Examination Simulator

Model No. : MW43 Make: Kyoto Kagaku, Japan

Realistic tactile representation of abdominal organs to cultivate the sense of touch and serve as a benchmark during palpation



Interchangeable organs



Supple, resilient and delicate texture



Respiratory motion

FEATURES

- Supple, resilient, and delicate textures which allow both shallow and deep palpation
- Interchangeable organs
- Respiratory motion
- Abdominal auscultation

SKILL

- Visual Inspection
- Auscultation
 - renal artery, abdominal aorta, iliac artery and bowel sounds
- Palpation
 - liver, spleen, kidney, uterus and lymphoma
- Percussion
 - liver, spleen and rib

KEY FEATURES

Bony landmarks

Pelvis
Ribs
Lower rib cage
Costal margin
Xiphisternum
Pubic crest
Anterior superior iliac spines

Liver

Normal
Chronic hepatitis
Precirrhosis
Cirrhosis

Inguinal area

Normal
Lymphoma



Spleen

Normal
Enlarged
Slightly enlarged

Kidney

Normal
Hydronephrosis
Polycystic kidney

Uterus

Normal
Myoma

Bruits and sounds

Renal artery
Abdominal aorta
Iliac artery
Bowel sounds

SPECIFICATIONS

Size: 40 x 80 x 20 cm / 15.7 x 31.5 x 7.9 inch
Weight: 14kg / 30.9lbs

MATERIALS

Soft resin
Latex free

SET INCLUDES

- 1 torso unit
- 1 talcum powder
- 1 set of the respiratory motion control unit
- 2 kidneys (hydronephrosis, cysts)
- 2 spleens (slightly enlarged, enlarged)
- 4 livers (precirrhosis, cirrhosis, chronic hepatitis, normal)



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CVC Insertion Simulator II

Model No. : M93UB

Make: Kyoto Kagaku, Japan

Conduct a variety of CVC insertion and management simulations with the assistance of 3 interchangeable pads



FEATURES

- Realistic ultrasound-guided CVC
- Landmark puncture pad with anatomically correct vein bifurcations simulates mechanical complications including pneumothorax, mislodging and artery puncture*
- Transparent anatomical block for anatomical understanding and guide wire manipulation
- Introductory ultrasound training block to acquire basics of ultrasound guided venous access
- Both internal jugular and subclavian (axillary) veins are accessible

SKILL

- Ultrasound-guided CVC
- Landmark guided CVC*
- Ultrasound-guided venous access
- Prevention of mechanical complications

KEY FEATURES



Transparent anatomical block



Ultrasound training block



Ultrasound puncture pad

SPECIFICATIONS

Size: W40 x D20 x H 34 cm
W15.8 x D7.9 x H 13.4 in.
Weight: 2.3kg/5lbs

MATERIALS

Soft resin
Latex free

SET VARIATIONS

COMMON

- 1 male upper torso manikin
- 1 skin for cannulation training
- 1 transparent anatomical block
- 1 introductory ultrasound training block
- 1 air bulb
- 1 irrigation bottle
- 1 syringes (2.5ml, 50ml)
- 1 sample needle

M93UB

- 1 landmark puncture pad
- 1 ultrasound puncture pad
- 10 cotton swab red
- 10 cotton swab blue
- 2 plastic jars

M93U

- 2 ultrasound puncture
- 1 pad plastic jar

REPLACEMENT PARTS

- 11347-280 2 landmark puncture pads
- 11347-170 2 ultrasound puncture pads
- 11347-210 2 introductory ultrasound training blocks
- 11347-320 irrigation bottle
- 11388-400 10 cotton swab red
- 11402-010 10 cotton swab blue



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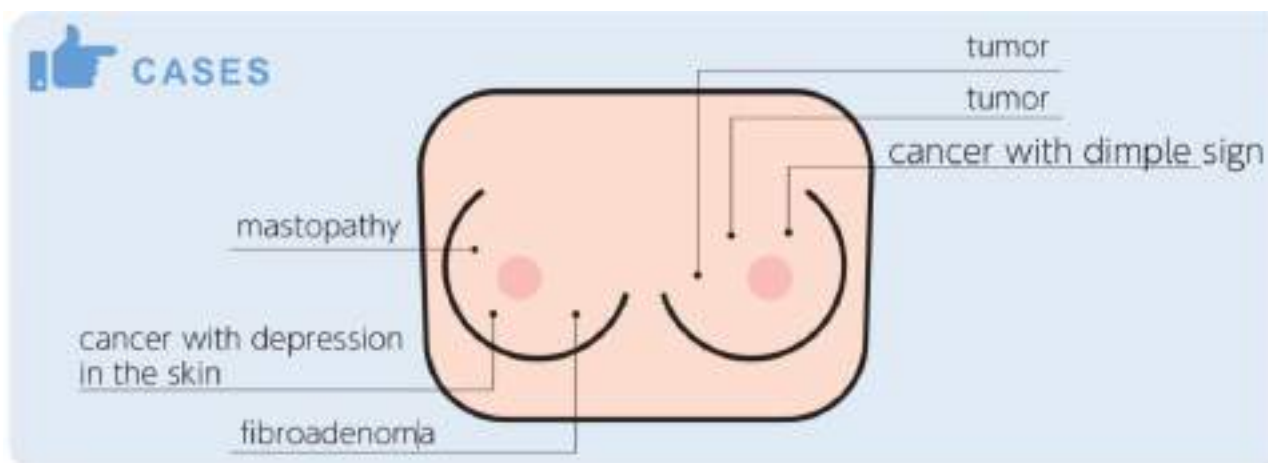
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Breast examination trainer for self examination

Model No. : M71 Make: Kyoto Kagaku, Japan

Breast examination trainer for self examination Practice to detect and differentiate 6 different lumps through visual-tactile examination.



FEATURES

- Six signs of breast tumors
- An ideal tool for breast self-examination education.
- Realistic size, appearance and texture.

SKILL

- Tactile breast examination
- Breast self-examination

SPECIFICATIONS

Size: W28 x D21 x H8 cm / W11 x D8.2 x H3.1 inch

MATERIALS

Soft resin
Latex free

SET INCLUDES

1 breast model with the strap belts
1 storage case

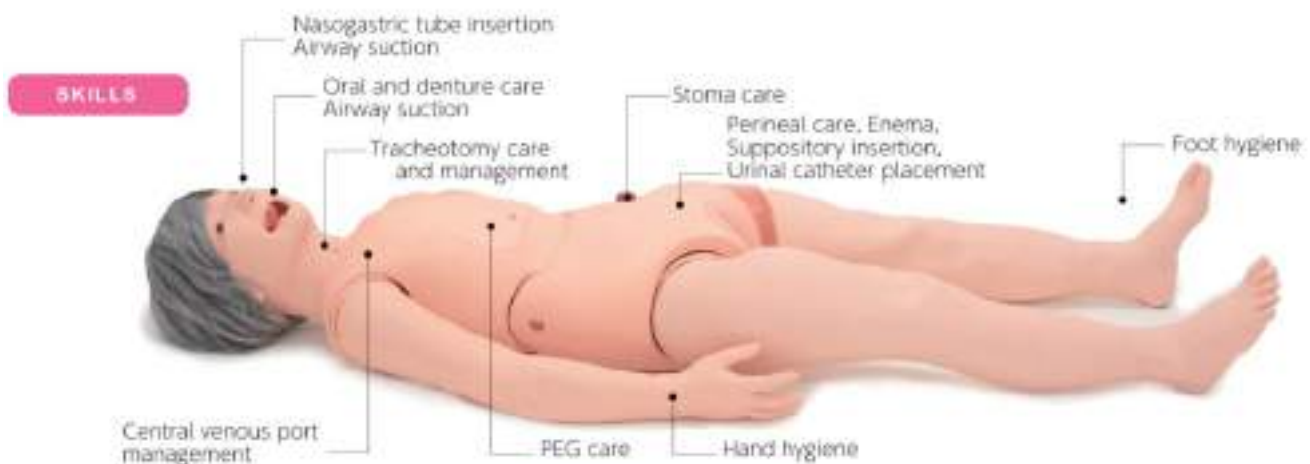


Patient Care Simulator "Keiko"

Model No. : MW26

Make: Kyoto Kagaku, Japan

Patient simulator of geriatric care for trainees including home-care nurses and caregivers
Keiko simulates patients under long-term cares in a variety of health care settings



Feeding

- ◆ Tube feeding (oral/nasal)

Exercise

- ◆ Body positioning
- ◆ Patient transfer

Wound Care

- ◆ Pressure sore care

Pain Management

- ◆ Hot and Cold Compressions

Elimination

- ◆ Enema
- ◆ Urinary catheterization
- ◆ Stoma care
- ◆ Bedpan practice

Hygiene

- ◆ Oral care
- ◆ Bed bathing
- ◆ Change of clothes
- ◆ Perineal care
- ◆ Hair care*
- ◆ Grooming and appearance

Respiratory Care

- ◆ Oxygen inhalation
- ◆ Airway suction
- ◆ Postural drainage
- ◆ Tracheotomy care

Drug Administration

- ◆ Suppository

Others

- ◆ Postmortem care





Patient Care Simulator "Keiko"

Model No. : MW26

Make: Kyoto Kagaku, Japan

KEY FEATURES

Basic Patient Care

Oral Care

- Oral care on the bed and wheel chair
- Special care for patients with feeding tubes



- Oral assessment
- Teeth brushing
- Denture care

Pressure sores care

- Learn stages of pressure sores
- Pressure sore care



- Stage 2: Scapula
- Stage 3: Great trochanter
- Stage 4: Sacrum bone
- Unstageable: Heel

Perineal care

- Anatomically correct genitals for detailed care



Body positioning and transfer

- Communication
- Correct manual handling techniques
- Patient safety



- Changing body positions
- Supporting patient transfer

Medical Understanding

Airway Suction

- Understanding the procedure



- **Airway suction:** oral, nasal and tracheotomy (*tube insertion only)

- **Tube feeding:** oral, nasal and PEG (*tube insertion only)

Daily care with medical understandings



- Stoma care
- Bed bathing for the patients with central venous port
- Perineal care for the patients with urinal catheters



Photo: Kyoto College of Nursing

SPECIFICATIONS

Size: 149 cm / 58.7 inch Weight: 15kg / 33lbs

SET INCLUDES

- | | |
|-----------------------------|---------------------------------|
| 1 manikin | 1 under pants |
| 1 denture | 1 wrench instruction manual |
| 1 wig | 1 lubricant for training models |
| 1 oral cover for suctioning | 1 lubricant for catheterization |
| 1 female genitalia | |
| 1 male genitalia | |

REPLACEMENT PARTS

- | | |
|-----------|-------------------------------|
| 11405-010 | female genitalia |
| 11405-020 | male genitalia |
| 11401-080 | dentures |
| 11229-060 | oral cover for suctioning |
| 11229-050 | lubricant for training models |
| 11381-800 | lubricant for catheterization |

MATERIALS

Soft resin
Latex free

OPTIONAL PARTS

- | | |
|-----------|---------------------------|
| 12746-020 | tracheotomy tube II |
| 11251-320 | simulated suppository set |
| 11251-330 | simulated feces set |
| 11405-030 | pajamas |
| 11404-030 | washable wig (elderly) |
| 11229-070 | sputum |



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Airway Suction Trainer

Model No. : M85

Make: Kyoto Kagaku, Japan

Airway suction and tracheostomy management simulator

Life-like anatomical and tactile features to further understanding temporary airway suctioning



FEATURES

- Facilitate understanding of the way to insert catheter.
- Transparent cross-sectional window to monitor the catheter
- Realistically viscous simulated sputum is included
- Can be easily dismantled for cleaning
- Able to open the mouth by hand

SKILL

- Oral suctioning
- Nasal suctioning
- Endotracheal suctioning

LANDMARKS

- oral cavity
- tongue
- oral and nasal pharynx
- epiglottis
- trachea
- esophagus

OPTIONAL PARTS

11229-060 Oral Cover for training using liquid

Oral cover to store simulated sputum can be purchased as optional parts. This oral cover is to maintain the sputum inside the oral cavity.



SPECIFICATIONS

Size: 45 x 23 x 15 cm / 17.7 x 9 x 5.9 inch
Weight: 2kg/4.4lbs

SET INCLUDES

- | | |
|---|--|
| <ul style="list-style-type: none"> • head & neck model with airway anatomy • bottle of lubricant • catheters • bottle of simulated sputum • metal tray | <ul style="list-style-type: none"> • syringe • storage case • lubricant • instruction manual |
|---|--|

MATERIALS

Soft resin
Latex free

REPLACEMENT PARTS

- | | |
|-----------|---------------------------------|
| 11229-020 | 1 replacement skin with trachea |
| 11229-070 | 1 simulated sputum |
| 11229-040 | 2 sample catheters |
| 11229-050 | 1 lubricant |





Lumbar Puncture Simulator IIA

Model No. : M43B Make: Kyoto Kagaku, Japan

**World's best training simulator
for lumbar puncture and epidural anesthesia**

Five types of puncture blocks enhance training with different types of challenges



FEATURES

- Anatomically accurate
- Realistic skin and tissue resistance during insertion
- Measure CSF fluid pressure, collect CSF fluid and practice epidural anesthesia procedures
- Simulates administration of epidural nerve block with realistic needle-tip sensation
- Simulates loss of resistance technique
- Model stand for either individual or group practice

SKILL

- Palpation of landmarks
- Lumbar puncture
- CSF collection
- CSF pressure measurement
- Epidural anesthesia
- Anatomical understanding

KEY FEATURES

5 types of puncture blocks:

- normal
- obese
- senior
- senior obese
- epidural



SPECIFICATIONS

Size: W33 x D22 x H30 cm W13 x D8.7 x H11.8 inch

SET INCLUDES

- 1 lumbar region model
- 1 lumbar region skin cover
- 1 two way support base
- 1 base for team teaching

lumbar puncture blocks

- 2 normal CSF
- 1 obesity CSF
- 1 senior CSF
- 1 senior obesity CSF
- 1 epidural
- 1 lumbar spine model

MATERIALS

Soft resin
Latex free

M43B	M43B-B
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

- 1 irrigation bag
- 1 syringe
- 1 stand for irrigation bag
- 1 instruction manual
- 1 storage case

REPLACEMENT PARTS

- 11348-090 1 LP block (normal CSF)
- 11348-110 1 LP block (obesity CSF)
- 11348-120 1 LP block (senior CSF)
- 11348-130 1 LP block (senior obesity CSF)
- 11348-140 1 epidural block
- 11348-150 1 lumbar region skin cover
- 11348-160 1 supporting stand



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Arterial Puncture Training Wrist

Model No. : M99

Make: Kyoto Kagaku, Japan

An essential simulator to increase confidence and competence

Arterial blood sampling and cannulation is a common yet delicate procedure.

With the innovative design of the arterial puncture simulator, a true-to-life experience can be simulated to ensure correct techniques and boost proficiency.



FEATURES

- Palpable arterial pulse
- Realistic needle resistance against tissue and artery wall
- Natural counter-flow
- Radial arterial line placement can be simulated
- No puncture trace remains on the injection site
- Leak-free connections

SKILL

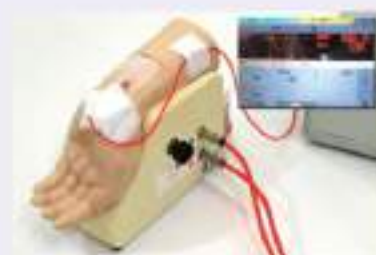
- Radial arterial puncture
- Artery blood sampling
- Radial line placement



Radial Arterial Puncture



Radial Arterial Line Placement



IABP Measurement
(Arterial pressure values are not simulated)

SPECIFICATIONS

Size: W11 x D30 x H17 cm / W4.3 x D11.8 x H6.7 inch (manikin size)
W20 x D16 x H13 cm / W7.9 x D6.3 x H5.1 inch (pump size)

SET INCLUDES

- | | | |
|---|---------------------|----------------------|
| 1 wrist and hand model | 10 cotton swabs red | 1 syringe |
| 1 circulation pump | 1 spoon | 1 storage case |
| 2 sets of puncture skins (inner and outer skin) | 2 plastic jars | 1 instruction manual |
| 4 artery tubes | 2 connection tubes | |
| 1 silicon tape | 1 vinyl sheet | |

REPLACEMENT PARTS

- | | |
|-----------|----------------------------|
| 11351-010 | 1 replacement skin set |
| 11351-030 | 4 replacement silicon tape |
| 11351-040 | 4 replacement artery tube |
| 11388-400 | 10 cotton swabs red |

MATERIALS

Soft resin
Latex free





Obstetric Training Simulator - complete set

Model No. : MW40

Make : Kyoto Kagaku, Japan

Comprehensive maternal body set for skills training in vaginal examinations during labor and delivery



FEATURES

- The external genitalia is made of innovative material that excels in elasticity, durability and resilience for effective and repetitive training

SKILL

- Cervical examination
- Delivery assistance
- Perineorrhaphy (perineal repair)

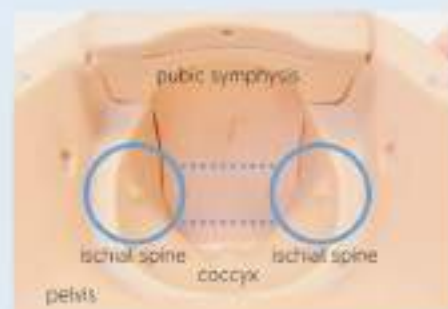
KEY FEATURES

The external genitalia is made of innovative material that excels in elasticity, durability and resilience for effective and repetitive training.



LANDMARKS

velamen (amniotic sac)
vaginal canal
ischial spine
pubic symphysis
coccyx
anterior fontanelle



SPECIFICATIONS

Size: W74 x D44 x H33.5cm / W29.1x D17.3 x H13.2 inch
Weight: 11.2kg / 24.7lbs

SET INCLUDES

- 1 maternal body
- 1 genitalia unit (for pelvic examination and delivery assistance)
- 1 talcum powder
- 1 lubricant (500ml)
- 1 instruction manual
- 1 towel

Parts for pelvic examination:

- 1 vaginal unit
- 1 set of cervical dilation inserts (5 variations)
- 1 holder for the cervical dilation inserts

Parts for Perineorrhaphy:

- 1 genitalia unit (for perineorrhaphy)

Parts for Delivery Assistance:

- 1 fetus
- 1 placenta
- 3 umbilical cords for omphalotomy
- 1 tray
- 5 velamen sheets



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Obstetric Training Simulator -complete set

Model No. : MW40

Make : Kyoto Kagaku, Japan

Cervical examination

5 types of cervical dilation models and fetal descent positions can be interchanged with a single action.

- Cervical scoring in the first stage of labor
 - Determination of station using landmarks of the ischial spine and the pubic joint to assess the descent of the body
 - Assessment of cervical dilation
- Speculum examination
- Observation and cervical cytology
- Urinary catheterization



Delivery assistance

Smooth and realistic delivery



- Delivery assistance for different delivery positions (dorsal, all-fours)
- Perineal protection
- Delivery of fetus (forceps delivery, vacuum extraction)
- Clamping, tying and cutting of the umbilical cord
- Delivery of the placenta
- Insertion of urinary catheter



Perineorrhaphy (perineal repair)

Repetitive suture training for the first-degree perineal tears.

First-degree perineal tear repair

- Single interrupted suture
- Vertical mattress suture





Adult Airway Management Trainer

Model No. : 101-501 Sh. wt. 42 lbs.

Make : Nasco Healthcare, USA

The Adult Airway Management Trainer provides a clear picture of human anatomy from the sculpted alveolar sac, bronchial tree, and blood vessel structures of the cross-sectioned and exposed flexible lungs, to the interior main bronchus and oral/nasal pharyngeal spaces.

Combine these details with an airway complicated by breakout teeth, tongue edema, and laryngospasm, and this airway trainer rates hard. An anatomical stomach that swells with esophageal intubation, or excessive pressure with the BVM during rescue breathing, together with the vomiting capability of this manikin makes this an exceptional educational tool for multitasking.

Includes instructions for use, hard carry case, and lubricant.

Three-Year Warranty

Dimensions. (Inches): 32 x 25 x 12



Blood Pressure Trainer 2.0 w/iPad

Model No. LF01600 Sh. wt. 10 lbs.

Make : Nasco Healthcare, USA

The Adult Choking Manikin With Carry Bag functions on the principle of clearing a blocked airway with forced air generated with the proper procedure, abdominal thrusts or back blows.

Once the object is lodged in the airway, the student must use the anatomical landmarks to decide where to place their hands and to decide how much pressure is required to accomplish the maneuver. With the appropriate force applied, the students are rewarded with the visual confirmation of an expelled object.

Manikins include rib cage, xiphoid process, suprasternal notch to provide anatomical reference, foreign body for airway obstruction, shirt, and soft carry bag.

Size: 30" x 17" x 10".



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MVR-Nursing Virtual Simulator

Model No. : MVR-N010 Sh. wt. 5.07 lbs.

Make : Nasco Healthcare, USA



MVR-Nursing is a virtual simulator designed to train nurses in professional skills by immersing them in clinical practice scenarios with a wide variety of virtual patients.

Safely perform assessments, and examinations, and administer treatments in a realistic environment.

Features clinical case libraries with comprehensive overviews of emergency care, ICU management, medical care, and pediatric care.

Customize medications and scenarios while evaluating performance against standard assessment systems and protocols.

CONFIGURATION:

- Hardware (goggles, controllers, carry case)
- Lifetime software license
- Case manager customization tool
- Automatic updates

EFFECTIVE PRACTICE OF:

CPR, airway management, defibrillation, ECG, medication administration, and more.

Dimensions: 36 cm L x 22 cm W x 13.5 cm H

Key Features

- | | |
|--|--|
| <ul style="list-style-type: none"> • Lifetime license • Automatic updates • Haptic feedback • Patient and team interaction with dialogue • Multiplayer (Crew Resource Management) | <ul style="list-style-type: none"> • Over 100 interactive items • Mechanical ventilation • Customizable scenarios • Performance evaluation • Minimum space needed for use (4 sq. ft.) |
|--|--|



Be extra careful of Foreign Companies dumping 2nd hand used Manikins in India

1. Can be contaminated with bacterial infectious loads
2. Leeching of Toxic, flammable additives accelerated in age hardened rubbers plastics
3. Manikins are never fumigated sterilized at point of import into India
4. Manikins are made from various Plastics Rubbers. Subject to brittle age hardening
5. Life of Manikins is very residual due to brittle age hardening. (1-2 years)
6. No Spares and parts will ever be available
7. Skills on Manikins may not reflect BEST CURRENT MEDICAL PRACTICES
8. Companies DO NOT DECLARE items to be 2nd Hand. Practice downright DISHONESTY
9. You become a VICTIM of STRUCTURED OBSOLESCENCE for Commercial gain only 11: Dishonesty destroys all SANCTITY in the chain of Learning-Training
10. When Commercial Interests are paramount, DISHONESTY becomes the Foundation
11. Any Learning-Training is a NOBLE venture particularly MEDICAL EDUCATION
12. In plain terms you are cheated. "Taken for a ride"

Do not get carried away by Cheap low Prices, Huge Discounts, Examine issues of Quality, Overall Life Utility Cycle of Manikin, Durability, Accuracy and Simplicity of Use

DO NOT GET CHEATED: GET CORRECT GUIDANCE
From:
SEM TRAINERS & SYSTEMS



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RISKS FACTORS WHEN USING CHEAP MANIKINS

Solvents using VOCs include a variety of chemicals that may include Toluene, Xylene, Formaldehyde, Methylene Chloride, Ethyl Acetate hundreds of times cheaper are, Toxic, Carcinogenic, Mutagenic, Teratogenic Materials and are highly inflammable.

Heavy Metal Pigments Antimony Cadmium Lead etc. hundreds of times cheaper but downright Neurotoxic used for surface finishes, texturizing and as Fillers on Models and Manikins

Power Sources, Batteries employed in manikins can rapidly overheat and explode

Inadequate Inefficient manufacturing processes result in release of white powders in bones, chipping off edges fine processes, disintegration of fiberglass based models, bad surface finish, rough textures, low image, finish poor distorted images of models

HEALTH AND MEDICAL SAFETY SERIOUSLY COMPROMISED

- Handling such models Can cause
- Reduction in IQ (Intelligence Quotient)
- Shorten Concentration Attention Spans Cause ADHD
- Cause Neurological Problems
- Affect Hemoglobin Levels in Blood
- Hemotoxicity Anemia
- Increase Hyperactivity
- Cause Learning Perception Disabilities

LEARNING-TEACHING AND EXAMINATION EVALUATION RISKS YOU WILL LEARN WRONG CONCEPTS IN ANATOMY

You cannot use such Models Manikins to conduct medical examinations
Once you learn wrong concepts, it is difficult to unlearn and re-learn again

**THEREFORE YOU SHOULD ALWAYS BUY PRODUCTS OF
REPUTED & RENOWNED MANUFACTURERS
BUY FROM
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Planning a Clinical Skills Lab? Follow these Guidelines.

Start a Skills Lab only with Simple Task Trainers "One step at a Time" and never with a High End SMART Manikin Basic Skills Trainers are the Foundations for any Clinical Skills Training

1. Very low investment costs and negligible support systems required
2. Easy to maintain. No hidden costs. Low Maintenance & Operating Costs
3. Future infrastructural outlays for CSL evolve with experiential exposures
4. Can be positioned in "In-Situ" and "On Demand Ready to use" State and Portable
5. Efficiencies of training in skills very high and available on demand for repeated trainings
6. Various shortcomings in your lab can be addressed with experiential exposures
7. Culture of interacting with Manikins can effectively develop Medical, Social, and Managerial Emotional Skills for effective diagnosis and treatment capabilities.
8. Inadvertent Damage very low. No worry at all about Obsolescence
9. Even Single trainee can train on each simulator. Groups not necessary as in Smart manikins
10. Cost effective review of mistakes and errors Possible. Fresher can immediately handle Basic Manikins
11. Do not require Electrical/Battery Power. Consequential damage, hazards not possible
12. Annual Budgeting constraints make it easier to fit in and procure basic Manikins of your choice
13. Once Basic Skills are mastered on Procedural Task Trainers. Student groups can learn to create "Scenarios" for higher level learning and move on to Multiskills high-end Manikins

**For Best Advice Guidance Assistance on consolidated Plans for
Selection of Models-Charts-Manikins-Simulators,
for CLINICAL SKILLS LABORATORIES**

**CONTACT:
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PLANNING A SMART MANIKIN?



A: Definitely, never at the first stage

Require MINIMUM AWARENESS-SKILLS before handling Smart Manikins Smart Interactive features NOT suitable for BASIC "hands on" Training Individual Tasks can never be effectively trained on such Manikins Delivery of Training Efficiency (Hands on Training) can be very low (5-8%) Features are suitable for Diagnostic - Evaluation - Treatment Training Protocols Suitable for Teamwork Dynamic Training in Diagnostics - Evaluation - Treatments

B: Points to Remember When you buy a Smart Manikin

- Never buy a Smart Manikin as a Status Symbol
- Ensure you have correct appropriate infrastructure (dedicated room, high end power supply, dedicated computation server, efficient lighting and ventilation fire extinguishers facilities and alarm systems)
- A Smart Manikin is not just a "Multiple Discrete Task Trainer" A Smart Manikin' provides a Multiplier Effect resulting in an exponential increase in "Diagnostics and Clinical Skills" for trainees
- You require a dedicated full time Expert in Simulation Methodologies for efficient utility of the Simulator
- Very High Initial Investments anything from Rs 70 Lakhs to Rs. 500 Lakhs
- High Hidden recurring expenses to keep system functioning Rs. 4 Lakhs Annual
- Utility can be very low in absence of established culture of using Manikins Costs of accidental Collateral damage to Smart Manikins can be prohibitive A Smart Manikin can quickly become a WHITE ELEPHANT- A DEAD INVESTMENT Because of very limited usage, high idle time costs, low training deliveries
- As a "Dead Investment" COUNTER PRODUCTIVE to Learning and Teaching
- As a " Dead Investment" can generate a NEGATIVE Image for Learning- Training on Manikins and Simulators

**For Expertise Guidance
contact
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Remember

When you buy from SEM TRAINERS & SYSTEMS

You Do Not Buy Just "A Product"

YOU BUY

Guaranteed New

Manikins Simulators from Reputed USA/Europe/Japanese Brands

Best Cost

Manikins Simulators at the lowest Prices

Latest

Knowledge-Technology Resources in Medical Simulation

Expertise

in Simulation Based Medical Education Methodologies

Expertise

in Scenario Based Training Methodologies

Expertise

in Design Guidelines Clinical Skills Laboratories

Expertise

in Post Sales Workshops-Installation-Demos-Training -Repairs

The ONE and ONLY Company in India giving you ALL Manufacturers Simulators under One roof

We Guarantee you

No Fake Labeling (Using Cheap manikins)

We Guarantee you

No second hand refurbished manikins supplied as "NEW"

We Guarantee you

We do not entice you with large discounts (60%) and then Sell refurbished second hand repaired Reputed Brands

We Guarantee you

Original Manikins -Labels-Cartons-Manuals of Original Manufacturers

**With more than 400 man-years experience in Education Methodologies
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