

# YOGYA CLINICAL SKILLS LAB

## AYURVEDIC GUIDELINES




## SEM TRAINERS & SYSTEMS

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SEM - Scientific Educational Methods in Science, Engineering & Medicine

- Researchers Designers & Consultants (Simulations & Training Methodologies)
- A center for the dissemination of simulation training methodologies in Science, Engineering & Medicine
- Think Tank and Consultants in Medical Clinical Skills Laboratories.



 Shop No. 7, Saibaba Apartment, Opposite Main Post Office,  
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 8849563724 / 9879103905,  02632-356286

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# PLANNING A CLINICAL SKILLS LAB

With Over 3000+ customers, using over 3500 Manikins and Medical Simulators in more than 250+ Cities and Towns across all over India covering 10,000+ models, Manikins, Simulators, from over 10 leading International USA and European, manufacturers from under one source.

SEM Trainers & Systems will reach out to you.



**400+**

Experience



**320+**

Clinical Labs



**3000+**

Customers



**250+**

Cities



**10000+**

Models



**10+**

Manufacturers

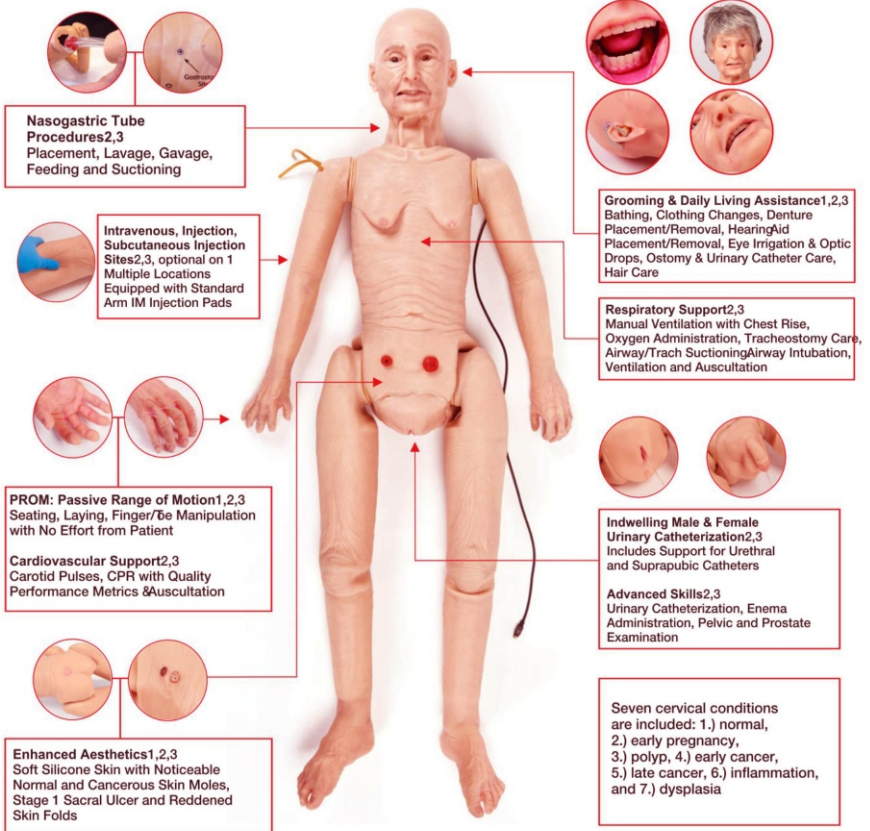


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# TERi™ Androgynous Geriatric Trainer



A full-body elderly patient care trainer configurable in male or female variations for medical simulation. Evolving from our GERi™/KERi™ manikins, TERi™ has a more realistic look and feel to represent human anatomy, with weight distributed to represent a real patient for lifting and carrying.

Each version is affordable and durable with upgradable items.

- Geriatric Patient Care Trainer<sup>1</sup> – General patient care, daily living assistance simulation platform.
- Geriatric Patient Skills Trainer<sup>2</sup> – Physical skills practice simulation platform with injection/IV, catheterization, cardiovascular and respiratory support.
- Geriatric Patient Simulator<sup>3</sup> – Comprehensive and complete simulation platform including patient monitoring capability.



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# भारत का राजपत्र

## The Gazette of India

सी.जी.-डी.एल.-अ.-06052024-254049  
CG-DL-E-06052024-254049

असाधारण  
EXTRAORDINARY  
भाग III—खण्ड 4  
PART III—Section 4  
प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 311] नई दिल्ली, बृहस्पतिवार, मई 2, 2024/वैशाख 12, 1946  
No. 311] NEW DELHI, THURSDAY, MAY 2, 2024/VAISAKHA 12, 1946

### भारतीय चिकित्सा पद्धति राष्ट्रीय आयोग

#### अधिसूचना

नई दिल्ली, 1 मई, 2024

एफ. नं. बीओए/2-सी/2024.—भारतीय चिकित्सा पद्धति राष्ट्रीय आयोग अधिनियम, 2020 (2020 का 14) की धारा 55 की उपधारा (1) और उपधारा (2) के खंड (डी), (ई), (एस), (टी), (यू), (डब्ल्यू), (एक्स), (वाई), (जेड), (जेडए) (जेडबी) और (जेडसी) के तहत प्रदत्त शक्तियों का प्रयोग करते हुए और निम्नलिखित नियमों को निरस्त करके, अर्थात् भारतीय चिकित्सा केंद्रीय परिषद (स्नातकीय आयुर्वेद महाविद्यालयों (कॉलेज) और संलग्न अस्पतालों के लिए न्यूनतम मानक आवश्यकताएं) विनियम, 2016 और नए मेडिकल कॉलेज की स्थापना, अध्ययन या प्रशिक्षण के नए या उच्चतर पाठ्यक्रम के प्रारम्भ, और मेडिकल कॉलेज विनियम, 2019 द्वारा प्रवेश क्षमता में वृद्धि स्नातकीय कार्यक्रम के संबंध में। भारतीय चिकित्सा पद्धति राष्ट्रीय आयोग निम्नलिखित विनियम बनाता है, यथा:-

#### अध्याय-1

#### प्रारंभिक

- लघु शीर्षक और प्रारंभ - (1) इन विनियमों को भारतीय चिकित्सा पद्धति राष्ट्रीय आयोग (स्नातकीय आयुर्वेद कॉलेजों एवं संबद्ध शिक्षण अस्पतालों के लिए न्यूनतम आवश्यक मानक, आकलन एवं रेटिंग) विनियम, 2024 कहा जाएगा।
- वे आधिकारिक राजपत्र में उनके प्रकाशन की तिथि से लागू होंगे।
- परिभाषाएं - (1) इन विनियमों में, जब तक कि संदर्भ से अन्यथा अपेक्षित न हो, -

2855 GL/2024

(1)



3.	Electronic-display (smart board or smart television or light emitting diodes display)	1	1	2	2
Nutrition laboratory					
4.	Digital weighing scale	1	1	2	2
5.	Kjeldahl system (digestion unit plus distillation unit)	1	1	2	2
6.	Digital muffle furnaces	1	1	2	2
7.	Soxhlet fat extraction system	1	1	2	2
8.	Abbe's digital refractometer	1	1	1	1
9.	Flame photometer	1	1	1	1
10.	Hot air oven	1	1	2	2
11.	Refrigerator	1	1	1	1
12.	Water bath	2	2	4	4
13.	Grinder	2	2	4	4
14.	Magnetic stirrer	2	2	4	4
15.	Hot plate	2	2	4	4
16.	Digital pH (per Hydrogen ion Concentration) meter	2	2	4	4
17.	Vacuum filter system	1	1	1	1
18.	Sonicator	1	1	1	1
19.	Fume hood	1	1	1	1
20.	Desiccator	1	1	1	1
21.	Vortex mixer	2	4	6	8
22.	Viscometer	1	2	3	4
23.	Refrigerated centrifuge	1	1	1	1
24.	Digital polarimeter	1	1	1	1
25.	Burette	Assorted			
26.	Glass pipette	Assorted			
27.	Micropipette (different capacities)	five for each capacity			
28.	Heating mantle (different capacities)	five for each capacity			

## SCHEDULE XV

## Minimum essential requirement for YOGYA clinical skill laboratory

(See regulation 20)

Serial number	Name of the mannequin or simulator	Required number
(1)	(2)	(3)
1.	Computer, internet with printer	1
Basic Simulators common to all departments		
2.	BLS (Basic Life Support) and ALS (Advance Life Support)	05 each
First Professional Subjects		
Kriya Shaira		
3.	Chest auscultation trainer (Basic)	05
4.	ECG (electro cardio gram) trainer	05
Second professional subjects		
Roganidana		
5.	Nursing trainer for decubitus	02
6.	Chest auscultation trainer (advance)	03



7.	Spirometry	05
8.	Blood sampling trainer	05
<b>Agadatantra</b>		
9.	Documentation and certification of trauma	05
10.	Diagnosis and certification of death	05
11.	Legal documentation related to emergency cases	05
12.	Certification of medico legal cases (for example- age estimation, sexual assault)	05
13.	Establishing communication in medico legal cases with police, public health authorities, other concerned departments	05
14.	Stomach wash trainer	02
<b>Third professional subjects</b>		
<b>Kayachikitsa</b>		
15.	Cardiopulmonary resuscitation trainer	05
16.	Flatus tube insertion and Enema trainer (same to be used for basti administration)	05
17.	Injections (intra-muscular, intra-venous, intra-dermal, subcutaneous, intra-arterial, intra-articular and intra-cardiac)	10
18.	Aerosol therapy or nebulization	05
19.	Setting up intra-venous infusion and calculation of drip rate – basic life support	05
20.	Oxygen therapy	05
21.	Abdominal examination simulator	03
<b>Shalya Tantra</b>		
22.	Ryle's tube insertion trainer	02
23.	Pleural and ascitic aspiration trainer	02
24.	Flatus tube insertion to be used for per rectal matra basti	02
25.	Early management of trauma and trauma life support	1
26.	Blood transfusion	05
27.	Urinary catheterization – male (same to be used for uttara basti)	05
28.	Urinary catheterization – female (same to be used for intra vesicle uttara basti)	05
29.	Cautery – chemical and thermal or electrical	05
30.	Basic incision and suture trainer	05
31.	Basic wound care	02
32.	Basic bandaging including compression bandage	02
33.	Incision and drainage trainer	05
34.	Basic fracture and dislocation management trainer	02
35.	Examination of breast lump	05
36.	Examination of swelling	05
37.	Per-rectal and Prostate examination trainer	02



**Prasuti and Streeroga**

38.	Per speculum and per vaginal examination trainer	02
39.	Intra uterine contraceptive device insertion and removal trainer	05
40.	Episiotomy trainer	05
41.	Normal labour and delivery (including partogram)	01
42.	Intra uterine insemination trainer (same to be used for intra uterine uttara basti)	05
43.	Obstetric examination trainer	02
44.	Visual inspection of cervix	05

**Shalakya Tantra**

45.	Otoscopy	05
46.	Visual acuity testing	05
47.	Digital tonometry	02
48.	Epilation	05
49.	Eye irrigation	05
50.	Instillation of eye medication	05
51.	Ocular bandaging	02
52.	Anterior and posterior nasal packing trainer	02
53.	Foreign body removal training	As required
54.	Mannequin head (3D model) for training Tarpana	05

**Kaumarabhritya**

55.	Exchange transfusion	01
56.	Neonatal resuscitation	05
57.	Umbilical cord catheterization	01
58.	Setting up paediatric intra-venous infusion and calculating drip rate	05
59.	Paediatric injection trainer	05

**Panchakarma**

60.	Full body mannequin (for demonstration of abhyanga, udvartana, utsadana, lepa, patrapottali sweda and shanikabasti)	05
61.	Enema trainer for basti administration	05
62.	Catheterization (male and female) for uttara basti	Each 05

Note: mannequins and simulators though required for multiple departments, mentioned here under only one department to avoid duplication. As per the requirement all facilities shall be open to all departments for teaching and training purpose.

**SCHEDULE XVI****Minimum constructed area required for various units of reception and registration zone**

(See regulation 39)

Serial number	Description of unit	Minimum constructed area (square meters) required (intake capacity wise)			
(1)	(2)	(3)	(4)	(5)	(6)
		60	100	150	200



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Sr. No	Description	Model No	Item Name	Page No.
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		PP-AM-2000-MS	Prestan 2000 With Wireless Feedback	2
		LF03890	Crisis Manikin	3
		LF03406	CPR METRIX CONTRL BX & IPAD	4
		OR		
		S315.600.250.705	HAL* S315.600 CPR+D Skills Trainer with OMNI*2 full-body option	5 6
2	ECG (electro cardio gram) trainer	LF03670 A	Interactive ECG Simulator	7
<b>KRIYA SHAIRA</b>				
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<b>ROGANIDANNA</b>				
4	Nursing trainer for decubitus	LF00934	PRESSURE ULCERS LIGHT ST4	9
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# BLS (BASIC LIFE SUPPORT) AND ALS (ADVANCE LIFE SUPPORT)

Model No. : PP-AM-100M (Prestan, USA.)  
PRESTAN ADULT CPR MANIKIN



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



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

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

**PRESTAN 2000 WITH WIRELESS FEEDBACK**

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.

## PRESTAN PROFESSIONAL ADULT SERIES 2000 MANIKIN

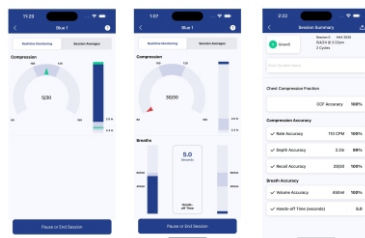
The same high-quality, realistic Professional Adult Manikin is now available with Advanced Feedback including Rate, Depth, Recoil, Ventilation and Hands-Off Time

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

Model No. LF03890 Sh. wt. 88 lbs.

CRISIS MANIKIN (Nasco Healthcare, USA.)



## Airway Management

- Compatible airway management devices include E.T., E.O.A., E.T.L., L.M.A., E.G.T.A., Combitube®, and King Systems
- Cricoid cartilage allows for practice of Sellick maneuver
- Oral, nasal, and digital intubation
- Palpable carotid pulse (manual)
- Realistic anatomical features
- Separate left and right lungs for auscultation
- Suctioning capabilities

## IV Arm

- Articulated at the biceps for antecubital and dorsal access
- Bony landmark at shoulder to identify muscle tissue for intramuscular injections
- Realistic flashback from a pressurized system
- Replaceable skin and veins
- 5-year warranty

## Blood Pressure Arm

- Auscultatory gap
- 5 Korotkoff phases
- Systolic and diastolic levels, heart rate, and sound volume
- Radial pulse
- Use with an optional external speaker system to broadcast sounds to the entire classroom.

## Defibrillation Chest

- Compatible with all standard brands and types of defibrillators, monitors, and patient simulators
- Internal load box absorbs full strength of every shock — designed to handle up to maximum recommended 360 Joules
- Manual, semiautomatic, and automatic defibrillation
- Monitor manikin like a real patient at 4 ECG sites and 2 defibrillation sites

## CPR

- Fully articulated head, neck, and jaw
- Jaw thrust
- Palpable and visual landmarks
- Compressible chest



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

### Optional Addition to Deluxe Plus CRiSis™ Adult ACLS Manikin



#### Life/form® Additional Auscultation Smartscope™

Model No. LF01144 Sh. wt. 1.75 lbs.



For use with Life/form® auscultation simulators. The remote control does not have to be pointed at the manikin or stethoscope to operate. One remote control will operate multiple sets of Smartscope™ and manikins simultaneously. Great for group instruction. Range on the unit is up to 100 feet of remote access.



#### Additional Remote Control for the Auscultation Trainer

Model No. LF01148 Sh. wt. 0.56 lbs.



For use with Life/form® Auscultation Trainer and Smartscope™, (LF01142), and Life/form® Auscultation Trainer and Smartscope™ and Amplifier/Speaker System (LF01172).



#### CPR Metrix Control Box and iPad

Model No. LF03406 Sh. wt. 6.5 lbs.



High-tech solution for CPR training and documentation.

#### Features:

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



#### Life/form® Interactive ECG Simulator

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



- 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



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

Model No. : S315.600.250.705

HAL® S315.600 CPR+D Skills Trainer with OMNI®2 full-body option (Gaumard, USA.)

## Features

### Airway and breathing

- Spontaneous breathing (Automatic)
- Practice nasal and oral intubation with realistic tongue, vocal cords, epiglottis, 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 bagvalve-mask ventilation
- 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 ECG rhythms
- Deliver up to 360 Joules of real energy to skin patches or snap connectors
- Palpable carotid pulses with variable rate synchronized with ECG
- Available with 4-lead ECG site option to support real-time ECG monitoring using real equipment2. (S315.600.250.PK1)

### Neurological

- Normal, miosis (constricted), and mydriasis (blown) pupil states
- Independent left/right pupil states simulate consensual and nonconsensual response

### 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.1
- OMNI2 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.PK1

HAL S315.600 Skills Trainer, OMNI2 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, OMNI2 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 full-body configuration.

### Gaumard Vitals™ Portable Virtual Monitor

30081003A

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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# ECG (ELECTRO CARDIO GRAM) TRAINER

Model No. SB50871 (Nasco Healthcare, USA.)  
DART BAG™ ECG ACLS SIMULATOR – BLUE



Adult Defib Pads, Adult SPO2 Finger Sensor, 3 Lead ECG Cable, Adult BP Cuff and EtCO2 Airway Sensor. Tablet not included.

Also Includes 1 free DART Sim Software License for Windows or MAC Device

## Features:

- 37 cardiac rhythms
- View or print all 37 rhythms in 12-lead
- 18 capnography waveforms
- 21 trauma/medical x-rays
- Upload your own 12-lead or radiology images
- 35 ACLS, PALS (12 AHA Core cases), and NRP scenarios
- Create your own scenarios
- Adjust all vitals with a wireless mini keyboard
- PACER function
- Synchronized cardioversion
- Set custom alarms
- Defibrillate 1–360 Joules
- Give 38 different medications & Upload your own
- CodeTrack—print a code report for debriefing
- Pause, stop, fast forward, or go back within the scenarios or change the vitals on the fly!



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# CHEST AUSCULTATION TRAINER (BASIC) (Nasco Healthcare, USA.)

Model No. LF01142- With Amplifiers  
AUSCULTATION TRAINER AND SMARTSCOPE™



A major breakthrough in auscultation training! Features:

- Invisible Auscultation Sites
- No Internal Speakers
- Completely Wireless
- Palpable Landmarks
- Remote Controlled
- Heart and Lung Sounds Vary at Different Sites
- Hard Storage Case Included



The instructor selects from a menu of heart and lung conditions by wireless remote control. The manikin presents itself as a real patient without visible auscultation sites. The student must palpate to identify correct auscultation locations, and will hear different heart and lung sounds as the SmartScope™ is moved to different locations on the manikin. A diagnosis of the condition selected by the instructor can be made by comparing the variations in sounds occurring at different sites. Just like a real patient! Lung sounds can be detected at five anterior, 10 posterior, and two midaxillary locations. Students can practice auscultation at six anterior heart sites. The remote control does not have to be pointed directly at the manikin or SmartScope™ to operate. One remote control will operate all SmartScopes™ within a 100 ft. range. Great for group instruction. Listen to the sounds by either using headpieces on SmartScope™ or by connecting to an amplifier/speaker (not included). Range on the unit is up to 100 ft. of remote access. Includes manikin, one remote control with LCD display, one SmartScope™ with single- and dual-user headpieces, and hard carry case. Operates using two "AA" and two "AAA" batteries (included). Lung Conditions to Select with the Remote: Bronchovesicular, Bronchial, Cavernous, Coarse Crackle, Egophony, Fine Crackle, Friction Rub, Infant, Mono Wheeze, Normal Lung, Pectoriloquy, Pulmonary Edema, Rhonch, Stridor, Vesicular, and Wheeze. Heart Conditions to Select with Remote: Aortic Regurgitation, Atrial Septal Defect, Holosystolic, Midsystolic, Mitral Stenosis, Normal, PDA, Pulmonary, Stenosis, S3 Gallop, S4 Gallop, Systolic Click, and VSD.



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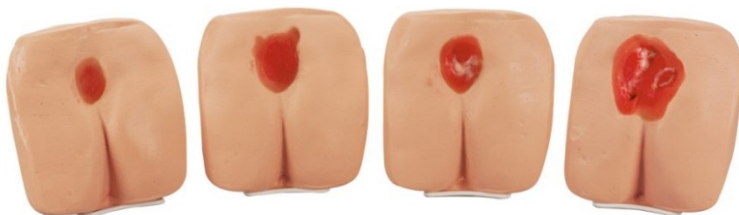
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# NURSING TRAINER FOR DECUBITUS



Model No. LF00934 (Nasco Heathcare, USA.)

**LIFE/FORM® PRESSURE ULCER/  
BEDSORE MODELS LIGHT**



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

## The four stages include:

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



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# CHEST AUSCULTATION TRAINER (ADVANCE)

**Model No. LF01220**  
**ADLT/INFT AUSCLTN SIM SET**  
**(Nasco Heathcare, USA.)**



The Life/form® Adult & Infant Auscultation Training Set includes innovative auscultation training simulators that deliver site-specific sounds heard through the SmartScope™ or external speaker system.

This cost-effective set includes the Life/form® Auscultation Trainer and SmartScope™ (LF01142U) and the Life/form® Infant Auscultation Trainer with Airway Management (LF01201).

The adult trainer has six anterior heart sites with 12 conditions and five anterior, 10 posterior, and two midaxillary lung sites with 16 conditions.

The infant trainer has one anterior heart site with 11 conditions, two anterior and two posterior lung sites with nine conditions, and one bowel sound site with four conditions.

The conditions are selected through a remote control, and the sounds are heard through a SmartScope™. Airway management and umbilical cannulation can also be performed on the infant.

For classroom training, consider adding the Amplifier/Speaker System (LF01189).

Note: One remote and one SmartScope™ can be used to program multiple trainers within a 100-ft. radius however, adult remotes and SmartScopes™ are only compatible with Adult Auscultation Trainers, and infant remotes and SmartScopes™ are only compatible with Infant Auscultation Trainers.

Five-year warranty.



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# BLOOD SAMPLING TRAINER

Model No. LF01121 (Nasco Healthcare, USA.)  
ARM IV ADVANCED LIGHT



This revolutionary training arm provides complete venous access for IV therapy and phlebotomy, plus sites for 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. The venous system simplifies setup with only one external fluid bag supplying artificial blood to all veins simultaneously. The dorsal surface of the hand includes injectable metacarpal, digital, and 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.

The realism of the Advanced Venipuncture and Injection Arm is truly amazing. The soft, flexible fingers are moulded 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 discernable “pop” is felt when entering the veins. The moulding process reproduces the fine details of the skin to make the arm look and feel alive. Valves in the veins can be seen and palpated on the skin surface.

Simulated veins and skins are completely replaceable to keep this training arm looking and working like new. Under normal use, hundreds of injections may be performed before the veins or skins need to be replaced. Complete replacement kits are available and easy to use.

Delivered with artificial blood, 3cc syringe, 12 cc syringe, needle, two fluid bags, instruction manual and carrying case.



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# BLOOD SAMPLING TRAINER

Model No. LF00698 (Nasco Heathcare, USA.)  
I.V. & I.M. INJECTION ARM



- Realistic Flashback
- Replaceable Skins
- Intramuscular Injection Site complete with Fingerprints

Simple and easy to use, Life/form® Venipuncture and Injection Training Arms are the ideal way to teach venipuncture and injection techniques including starting IVs and introducing Over the Needle IV catheters. This simulator ends your problem of finding willing volunteers, and helps to avoid patient injury and liability while the students are learning new procedures.

Realism begins with fine detail – right down to the fingerprints. But most important is the realistic feeling of puncture through the vinyl skin and latex veins. The skin actually rolls as you palpate the vein and the characteristic “pop” can be felt as the needle penetrates the vein. Veins are accessible at the antecubital fossa, along the forearm, and at the back of the hand, making it possible to practice venipuncture at any of the common sites.

Practice of intramuscular injection is equally realistic. A foam pad simulates muscle tissue, and the boundaries are identified by natural bonelike landmarks. Life/form® Venipuncture and Injection Arms are designed with replaceable skins and veins. Complete replacement skin kits are available and easy to use. To extend the life of each skin/vein set, an aerosol sealant is available to seal punctures in the tubing and prevent leakage.

Includes a Life/form® arm with skin, 22 gauge needle, butterfly set, infusion set, 3 cc syringe, 12 cc syringe, one pint Life/form® blood, fluid supply bags, instruction manual, and hard carry case. Fluid supply stand not included. Size: 35" x 12" x 6".

**CAUTION:** Use only Life/form® Replacements. Do not use Conventional Latex Tubing. This will cause malfunction of the simulator.



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# BLOOD SAMPLING TRAINER

Model No. SB23444 L (Gaumard, USA.)  
VENOUS TRAINING ARM LIGHT



This multipurpose training arm provides all features of a conventional intravenous arm, as well as the ability to practice intramuscular and subcutaneous injections. Use of this superior simulator provides a safe and sanitary teaching and learning experience for you and your students. Demonstrate and train medication administration and aseptic techniques on the human arm.

## Features:

- Administration of medication by intravenous bolus
  - Blood collection exercises with simulated blood
  - Intramuscular injection site in deltoid area
  - Prominent venous network
  - Resealing veins and outer skin
  - Realistic "pop" as needle enters vein
  - Simulated cephalic, basilic, antecubital, radial, and ulnar veins
  - Simulation of clenched fist and tourniquet position
  - Simulation of collapsed veins
  - Simulation of infusion technique
  - Subcutaneous injection areas on the volar side of the forearm and the lateral side of the upper arm
- Includes: Instruction manual, set-up kit with simulated blood concentrate, pressure bulb, blood dispensing bag, spare arm skin, funnel, and talcum powder, soft carry bag, and Smoked Lucite® base with stand.





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## STOMACH WASH TRAINER

Model No. : LF01174U Sh. wt. 24 lbs. (Nasco Heathcare, USA.)  
NG TUBE & TRACH SKILLS SIMULATOR

- 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; nasogastric 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



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# CARDIOPULMONARY RESUSCITATION TRAINER

Model No. : PP-AM-100M (Prestan, USA.)  
PRESTAN ADULT CPR MANIKIN



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



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# FLATUS TUBE INSERTION AND ENEMA TRAINER

(Same To Be Used For Basti Administration)



**Model No. LF00957 (Nasco Healthcare, USA.)**  
**ENEMA SIMULATOR**



All aspects of the simulator are lifelike in every detail. The upper buttock is flexible so that the trainee must raise the buttock in order to locate and make insertion into the anus for a lifelike enema. Portable and easy to keep clean, the simulator features a 1 liter fluid reservoir which is adequate for most demonstration and practice purposes. For large groups, a drainage tube is provided so that the fluid can be drained directly into a large container or sink for continuous use. Practice enema administration without the need for a real patient!

Includes a hard carrying case and enema administration set.



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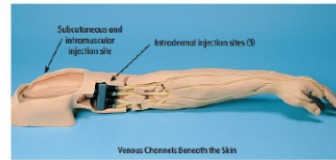
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# INJECTIONS

(INTRA-MUSCULAR, INTRA-VENOUS, INTRA-DERMAL, SUBCUTANEOUS, INTRAARTERIAL, INTRA-ARTICULAR AND INTRA-CARDIAC)

**Model No. LF01121 (Nasco Heathcare, USA.)**  
**ARM IV ADVANCED LIGHT**



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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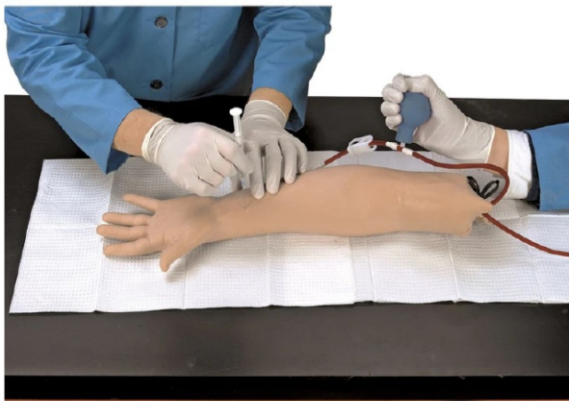
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# INJECTIONS

(INTRA-MUSCULAR, INTRA-VENOUS, INTRA-DERMAL, SUBCUTANEOUS, INTRAARTERIAL, INTRA-ARTICULAR AND INTRA-CARDIAC)

**Model No. LF00995 (Nasco Heathcare, USA.)**  
**ARTERIAL PUNCTURE ARM**



- 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.
<b>Skin Replacement Kit with 3 Artery Sections</b> 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
<b>Arterial Puncture Arm Artery Replacement Only</b> Includes 3 arteries and lubricant Sh. wt. 0.50 lbs.	LF01059U
<b>Arterial Blood Quart</b> Sh. wt. 0.38 lbs.	LF01004U
<b>Nasco Cleaner</b> Use to remove stubborn stains from simulators• 12-oz. bottle Sh. wt. 0.88 lbs.	LF09919U

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



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# INJECTIONS

(INTRA-MUSCULAR, INTRA-VENOUS, INTRA-DERMAL, SUBCUTANEOUS, INTRAARTERIAL, INTRA-ARTICULAR AND INTRA-CARDIAC)

**Model No. LF01087 (Nasco Heathcare, USA.)**  
**CENTRAL VENOUS CANNUL**



- 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.
<b>Skin Repair Kit</b> Extends the life of replacement skins with brush-on treatment Sh. wt. 0.50 lbs.	LF01112U
<b>Replacement Tubing Kit</b> 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
<b>CVC Skin Replacement</b> Sh. wt. 3.75 lbs.	LF01079U
<b>CVC Simulator Replacement Kit</b> Includes skin and veins Sh. wt. 4.50 lbs.	LF01078U

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



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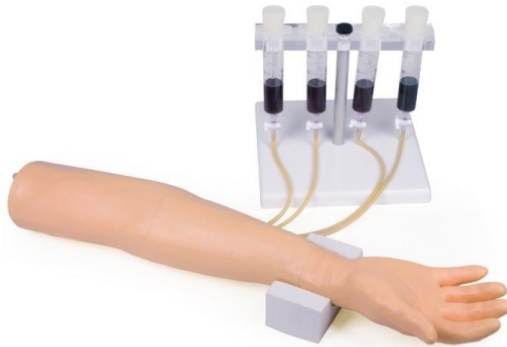


## SETTING UP INTRA-VEINUS INFUSION AND CALCULATION OF DRIP RATE – BASIC LIFE SUPPORT



**Model No. 7010 (Erler Zimmer, Germany.)**

**TRAINING ARM FOR INTRAVENOUS INJECTION AND INFUSION**



The high-quality Erler Zimmer injection arm offers a wide range of application possibilities for professional and realistic training of blood collection, ideally suited for the training and further education of medical personnel.

The injection arm is very lifelike, especially in terms of the puncture feeling, requires hardly any care and has skin and veins that can be changed easily and quickly.

This unbeatable value for money model is particularly suitable for group training. The wear parts are easily changed by the user and cost a fraction of comparable competitor products, so you can let your practitioners practice as often as they like.

5 year warranty, manufactured in Germany.

Ideally suited for:

- Intravenous injection
- Intravenous infusion
- Blood collection
- Palpation of veins
- Placement of a venous access

Scope of delivery:

- 1x adult injection arm incl. skin and venous system
- 1x arm support
- 4x fluid container
- 1x 250ml artificial blood
- 1x stand for artificial blood
- 1x product manual



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# ABDOMINAL EXAMINATION SIMULATOR

Model No. R16655 (Erler Zimmer, Germany.)



KAYA CHIKITSA



Highly realistic model for abdominal examination. Exact landmarks and anatomy as well as interchangeable organs of varying condition. This simulator allows effective practical training.

## Properties:

- Percussion of the liver and spleen
- Lifelike skin with a realistic sense of touch
- Auscultation of the flow noises of the kidney, aorta and iliac artery
- Auscultation of bowel noises (normal, subileus)
- Palpation of:
  - liver (normal, chronic hepatitis, cirrhosis)
  - spleen (normal, slightly enlarged, enlarged)
  - kidneys (normal, cysts, hydronephrosis)
  - groin (normal, lymphoma)
  - uterus (normal, myoma)

The organs can be changed quickly and breathing can be simulated.

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## RYLE'S TUBE INSERTION TRAINER

**Model No. LF01174 (Nasco Heathcare, USA.)**  
NG TUBE & TRACH SKILLS SIM

- 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; nasogastric 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





## PLEURAL AND ASCITIC ASPIRATION TRAINER

Model No. LF03769 (Nasco Heathcare, USA.)  
PERICARDIOCENTESIS SIMULATOR

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The Life/Form Pericardiocentesis Simulator is designed to teach the skills needed for this difficult procedure correctly. The simulator has a pressurized tension pneumothorax site and a site for the surgical placement of functional chest tube. Pericardiocentesis may be performed in the left subxiphoid space and in the left fifth intercostal space.

Includes fluid reservoir bag, foot pump, surgical skin pads, subcutaneous surgical pads, nurse training pads, pneumothorax pads, blood powder, simulated pericardium, IV bag and hard carry case.



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## FLATUS TUBE INSERTION TO BE USED FOR PER RECTAL MATRA BASTI

**Model No. AR421 (Adam Rouilly, UK.)**

**RECTAL EXAM, STOOL, & ENEMA TRAINER**



The Improved Rectal Examination Model now offers stool assessment, general examination, stool extraction and enema training in one portable model. Since the model can now accept liquid enemas, training in the use of liquid rectal medication is now possible. A comprehensive calendar style flip guide is also included, showing the Bristol Stool Scale and photographic representations of 13 important common and less common rectal conditions. The model offers the ideal training solution for OSCEs, nurse training or those involved with patient care.

### Skills

Identification of common and less common rectal conditions  
Rectal examination, stool assessment and the Bristol Stool Scale  
Identification of an abnormality palpable in the wall of the anal canal  
Enema administration and irrigation  
Administering of liquid rectal medication

### Features

Easy to use, minimal maintenance  
The internal anatomy has been redesigned and produced in a softer, more lifelike material  
4 interchangeable rectal inserts for:  
1. Stool assessment/general examination  
2. Stool extraction/manual evacuation  
3. Identification of an abnormality in the rectal wall  
4. Enema/liquid medicine administration  
Flip style guide containing the Bristol Stool Chart as well as 13 photographic rectal condition for enhanced training  
Representations of 9 types of stool ranging from soft to hard  
2 hard stools for stool extraction  
With use of the Enema insert, the model can now accept liquid rectal medication, e.g. rectal Diazepam, or enemas and micro enemas or irrigation procedures

### Includes

Includes Simulated abdomen in left lateral position  
4 x anal canal inserts  
9 simulated stools for assesClick here to watch video.sment  
2 stools for stool extraction  
Enema collection bottle  
Enema drainage tube  
Flip style guide with Bristol Stool Scale and 13 photographic rectal conditions



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# EARLY MANAGEMENT OF TRAUMA AND TRAUMA LIFE SUPPORT

**Model No. LF03770 (Nasco Healthcare, USA.)**  
**LIFE/FORM® CHEST TUBE MANIKIN**



This manikin is designed to specifically teach the theory, anatomy and skills needed to manage pre-hospital chest trauma as well as ongoing chest tube maintenance. The right side of the manikin has two cut-away viewing areas to provide awareness of the anatomical relationships between the skin surface, musculature, ribs and lungs. The left side has a pressurized tension pneumothorax site to relieve air that has accumulated within the pleural space and is restricting lung inflation. There is also a site where chest tubes may be surgically placed to treat pleural effusion by draining fluids from the pleural space. The fluid color, volume and viscosity is controlled by the instructor. The Life/Form Chest Tube Manikin is perfect for teaching the concepts and mechanics of closed water-seal drainage systems like “Pleur-Eva” type units

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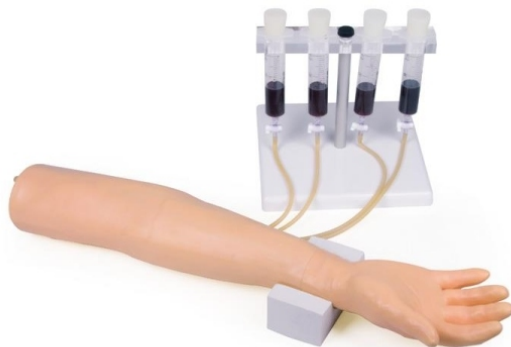
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## BLOOD TRANSFUSION

**Model No. 7010 (Erler Zimmer, Germany.)**  
**TRAINING ARM FOR INTRAVENOUS**  
**INJECTION AND INFUSION**



The high-quality Erler Zimmer injection arm offers a wide range of application possibilities for professional and realistic training of blood collection, ideally suited for the training and further education of medical personnel.

The injection arm is very lifelike, especially in terms of the puncture feeling, requires hardly any care and has skin and veins that can be changed easily and quickly.

This unbeatable value for money model is particularly suitable for group training. The wear parts are easily changed by the user and cost a fraction of comparable competitor products, so you can let your practitioners practice as often as they like.

5 year warranty, manufactured in Germany.

Ideally suited for:

- Intravenous injection
- Intravenous infusion
- Blood collection
- Palpation of veins
- Placement of a venous access

Scope of delivery:

- 1x adult injection arm incl. skin and venous system
- 1x arm support
- 4x fluid container
- 1x 250ml artificial blood
- 1x stand for artificial blood
- 1x product manual





## URINARY CATHETERIZATION - MALE / FEMALE

Model No. LF00843 (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:

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





## BASIC INCISION AND SUTURE TRAINER

Model No. LF01042 (Nasco Heathcare, USA.)  
SUTURE KIT



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
<b>Suture Replacement</b> • 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
<b>Suture Tool Kit with Case Only</b> Sh. wt. 0.38 lbs.	LF01011U





## BASIC WOUND CARE

Model No. 800-6701 (Nasco Healthcare, USA.)  
TRAUMA MANIKIN MOULAGE KIT



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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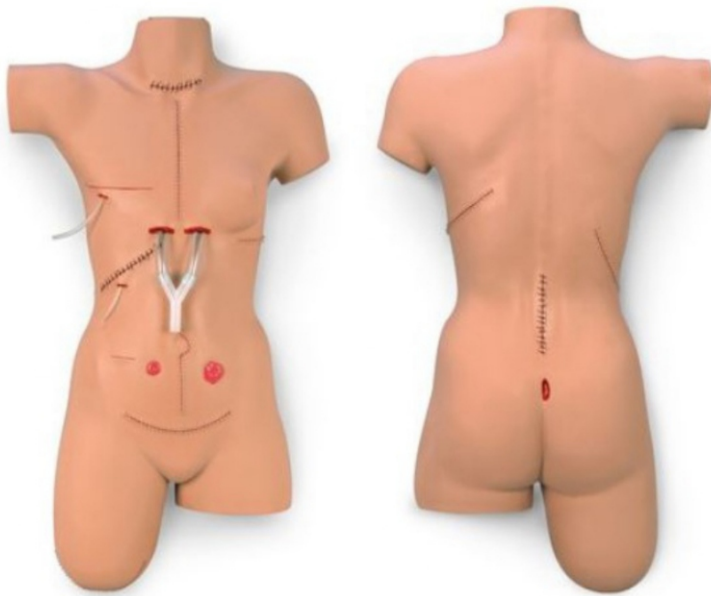
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## BASIC BANDAGING INCLUDING COMPRESSION BANDAGE

**Model No. LF00929 (Nasco Heathcare, USA.)**  
**SURGICAL SALLY / BANDAGING**



- 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





## INCISION AND DRAINAGE TRAINER

Model No. LF00894 (Nasco Heathcare, USA.)  
SUTURE KIT ADVANCE



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.

## BASIC FRACTURE AND DISLOCATION MANAGEMENT TRAINER

**Model No. 101 - 031 (Nasco Healthcare, USA.)**  
**TRACTION SPLINT TRAINER**



The Traction Splint Trainer can be set to correspond to an individual's body weight. This allows the instructor to determine if the student is correctly applying the rule of thumb that states "10% of the body weight traction results in adequate relief for, but no further damage, to the patient."

The Traction Splint Trainer can be adjusted for body weights ranging from 100 lbs. to 300 lbs. The electrical, push-button panel makes simplified selection easy. After applying traction, the deformity of the thigh recedes and splint can be applied, including any standard ankle hitch.

One year warranty.

Ship weight 33 lbs.



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## EXAMINATION OF BREAST LUMP

**Model No. LF00980** (Nasco Heathcare, USA.)  
ADVANCE 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.
<b>Left Breast Replacement</b> Sh. wt. 2 lbs.	LF00980(A)U
<b>Right Breast Replacement</b> Sh. wt. 1.50 lbs.	LF00980(B)U
<b>Replacement Tumor Set — 27 Lumps</b> Sh. wt. 0.50 lbs.	LF00980(C)U



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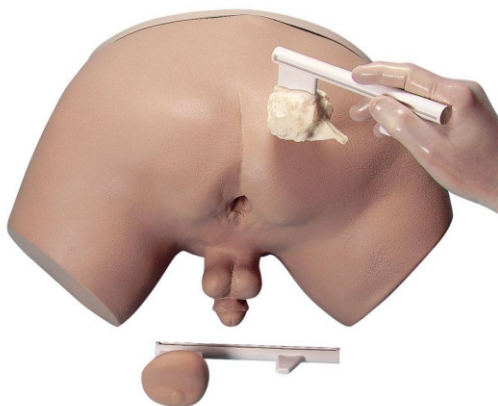
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## PER-RECTAL AND PROSTATE EXAMINATION TRAINER

**Model No. LF00901 (Nasco Heathcare, USA.)**  
**PROSTATE PALPATION SIMULATOR**



This prostate exam simulator consists of a male abdomen body and 4 different interchangeable prostate glands which can be inserted to allow realistic practice in diagnosis of prostate cancer by rectal examination.

The 4 prostate glands represent the following characteristics:

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

Prostate examination simulator supplied with lubricant, cleaner and transport case.





## PER SPECULUM AND PER VAGINAL EXAMINATION TRAINER

Model No. SB28796 L (Gaumard, USA.)  
ZOE GYNECOLOGIC SIMULATOR LGT



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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## INTRA UTERINE CONTRACEPTIVE DEVICE INSERTION AND REMOVAL TRAINER

**Model No. 160-1912** (Nasco Heathcare, USA.)  
**IUD TRAINER**



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

Size of trainer: 4.5 x 3 x .75 inches



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## EPISIOTOMY TRAINER

Model No. LF00690

EPISIOTOMY SUTURE SIM/ST3

(Nasco Heathcare, 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.
<b>Suture Thread with Needle</b> Each. Sh. wt. 0.19 lbs. Pkg. of 5. Sh. wt. 1.25 lbs.	LF07000U LF07000(A)U
<b>Mayo Hegar Needle Holder</b> Sh. wt. 0.19 lbs. • Highly polished stainless steel • Box lock narrow jaw, serrated and indented • Ratchet lock handle • 6 in. L	C00879U
<b>Suture Tool Kit with Case Only</b> Sh. wt. 0.38 lbs.	LF01011U





## NORMAL LABOUR AND DELIVERY ( INCLUDING PARTOGRAM)

**Model No. LF00041 (Nasco Healthcare, USA.)**  
**COMPLETE LUCY**



The new family of Life/form® Lucy Birthing Simulators is a comprehensive birthing simulation solution covering obstetrical events from prenatal to postnatal delivery scenarios with a new level of physical realism for an emotionally engaging learning experience.

Anatomically accurate, Lucy birthing simulators allow students to experience realistic normal and abnormal deliveries. Lucy comes in three different versions to meet your individual clinical and economic training requirements: Basic, Complete, and Advanced Lucy.

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

Apart from practicing many birthing scenarios, Complete Lucy allows learners to benefit from features such as clots and hemorrhages management or blood clotting. Complete Lucy comes with a Newborn Nursing and ALS Simulator. A soft carrying bag is provided.

### General Features

- Lightweight, full-body female – 66? (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 color combinations

### Functions

- Airway management – intubation and ventilation with chest rise
- Amniotic sac
- Articulating arms and legs
- Articulating baby – 18? (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



# NORMAL LABOUR AND DELIVERY ( INCLUDING PARTOGRAM)

**Model No. SB22438 L (Gaumard, USA.)**  
**ADVANCE BIRTH SIMULATOR LT**



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- A total simulator for demonstration for breech birth, C-Section delivery, episiotomy, and fetal palpation
- Removable diaphragm end plate
- Removable stomach cover for manual positioning of fetus
- Life-size pelvic cavity with all major anatomical landmarks
- Ultra-soft vulval insert for episiotomy exercises
- Simulated dorsosacral position for realistic delivery technique
- Hand-painted outline of the bony pelvis
- Cannot do the Leopold procedure on this simulator
- Forceps can be used during simulation
- All parts in this simulator are replaceable
- Simulator with vinyl skin includes 2 fetal babies with umbilical cords and placentas, spare stomach cover, 2 vulva inserts, 4 spare umbilical cords, 2 umbilical clamps, talcum powder, instruction manual, and soft carry case
- 1-year warranty



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## NORMAL LABOUR AND DELIVERY ( INCLUDING PARTOGRAM )

**Model No. SB48760 L (Gaumard, USA.)**  
**NOELLE MATERNAL BIRTH LGHT**



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  
1 articulating birthing baby with placenta  
Allows practice of Leopold 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 vulva 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  
Carry bag  
1-year warranty.



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# NORMAL LABOUR AND DELIVERY ( INCLUDING PARTOGRAM)

**Model No. SB38758 L (Gaumard, USA.)**  
**TOTAL CHILDBIRTH EDUC LGHT**



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PRASUTI & STREE ROGA

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

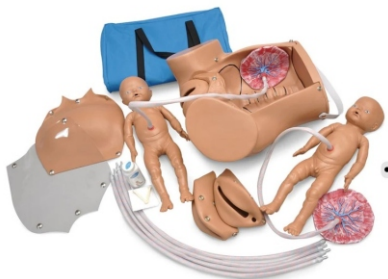
Life-size pelvic cavity with major anatomic landmarks

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

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- 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 (maternal only), right deltoid, left deltoid, right thigh
- 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
- Scale electrode placement
- Shoulder dystocia maneuvers – McRobert's, Suprapubic Pressure, Rubin's I and II, Wood's Screw, Reverse Wood's Screw, Posterior Arm, Gaskin
- Umbilical cord clamping and cutting
- Umbilical cord prolapse

### **Delivery content**

- Abdominal pad
- Abdominal skin, 2 – 1 normal and 1 cesarean
- Amniotic sac, 50
- Articulating baby
- Cervices, 6 – stages 1-6
- Chest skin
- Clotting blood (see description below)
- CPR chest
- Eyes, 3 sets – brown, blue, and green
- Fundus
- Hospital gown
- Inflation tubing with squeeze bulb
- Large soft rolling carry case (see description below)
- Complete Set of Clots and Hemorrhages, 5 – 1 each of small blood clot, medium blood clot, large blood clot, perineal hemorrhage, and hemorrhage blood pool (see description below)
- Newborn Nursing Skills and ALS Simulator – full-term newborn (see description below)
- Lubricating jelly
- Lung bag
- Pelvic block



- Perineal skin, 3 – prenatal, birthing, and episiotomy
- Perineal skin stabilizer pad
- Placenta
- Positioning bag
- Umbilical clamp
- Umbilical cords, 4 – 1 long and 3 short
- Wigs, 3 – black, blond, and brown

### **Newborn Nursing Skills and ALS Simulator**

- Full-term newborn, measuring 19" (48 cm) from heel to crown, approximately 7½ lbs. (3.5 kg), with a 14½" (36 cm) head circumference
- Airway, breathing, & ventilation
- Sellick Maneuver – BVM
- Practice chest tube insertion and care of chest tube site
- ET Tube Insertion, size 3.5 with a #1 Miller blade
- Bilateral lung expansion or collapsed lung
- Auscultation of lung sounds during ventilation
- Birth anomalies
- Omphalocele
- Neural tube defect
- CPR
- Realistic chest compressions
- Anatomical landmarks
- Gastrointestinal (GI)
- Accepts OG/NG tube, 8 FR
- Umbilicus
- Patent umbilicus with arteries and vein sites for cannulation or infusion
- Umbilical reservoir will hold 5 ml
- Venous Access
- Access in the right hand and foot
- Achieve realistic flashback with pressurized system

### **Heel stick Complete Set of Clots and Hemorrhages**

- Durable, reusable mouldage for multiple birthing scenarios
- Complete set with various sizes and shapes
- Use alone or add simulated blood or other mouldage makeup to enhance the simulation

### **True Clot, Clotting Blood Product**

- Highly realistic simulated clotting blood for use in hemorrhage control training
- Accurately matches the color, opacity, and flow characteristics of human blood

### **Soft Carry Bag System (Large)**

- Light, durable soft carry bag
- Multiple pockets/compartments
- Wheeled on one side with a telescoping handle on the other side





## INTRA UTERINE INSEMINATION TRAINER ( SAME TO BE USED FOR INTRA UTERINE UTTARA BASTI )

**Model No. 160-1912 (Nasco Heathcare, USA.)  
IUD TRAINER**



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

Size of trainer: 4.5 x 3 x .75 inches



# OBSTETRIC EXAMINATION TRAINER

**Model No. SB22438L (Gaumard, USA.)**  
**BIRTHING SIMULATOR**



45

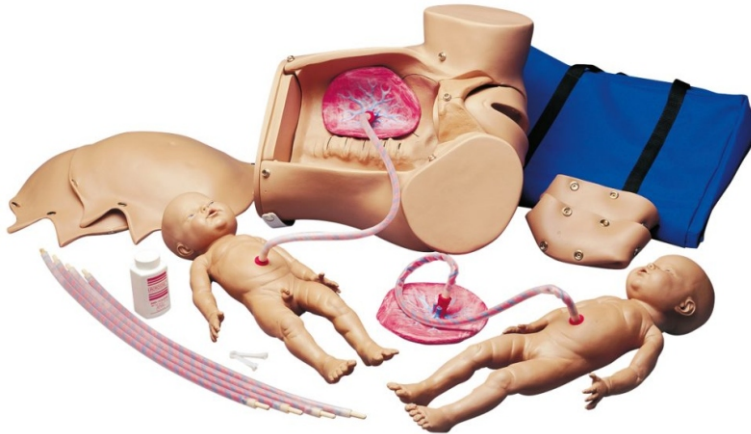
PRASUTI & STREE ROGA

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This versatile birthing simulator features the pelvic cavity with major anatomical landmarks and painted outline of bony pelvis. The birthing simulator allows intra-uterine manipulation and various training possibilities for prenatal, intra-partum, and postpartum skills as follows:

- Fetal palpation of fontanelles, backbone, knees, and elbows
- Vertex presentation
- Normal vaginal delivery
- Complete, frank and footling breech delivery
- C-section delivery
- Vertex and breech presentations in multiple delivery
- Demonstration of placenta previa: total, partial, and marginal
- Prolapse of umbilical cord
- Ritgen's maneuver
- 3 soft vulva inserts for episiotomy exercises
- Normal delivery of umbilical cord and placenta
- Suction of baby's nose and mouth

Birthing simulator supplied with 2 stomach covers (skin-tone/transparent), 1 male and 1 female fetus with placenta, 5 umbilical cords, 2 umbilical clamps, talcum powder and carrying bag. The birthing simulator is a great tool for teaching the labor and human birth process.



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## VISUAL INSPECTION OF CERVIX

**Model No. LF01068 (Nasco Heathcare, USA.)**  
**TRAINER, DILATATION SET 6**



- 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



# OTOSCOPY

**Model No. SB52823** (Adam Rouilly, UK.)  
**TRAINER DIG EAR EXAM LIGHT**



**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)



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- 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
- 
- 





# VISUAL ACUITY TESTING

**Model No. SB51006** (Adam Rouilly, UK.)  
**TRAINER DIGITAL EYE RETINO**



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



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# ANTERIOR AND POSTERIOR NASAL PACKING TRAINER

**Model No. SB38892** (Adam Rouilly, UK.)  
**NOSE BLEED TRAINER**



- 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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# FOREIGN BODY REMOVAL TRAINING

Model No. 100-1602 (Nasco Heathcare, USA.)  
Adult Choking Torso



This life-size torso allows practice of abdominal/chest thrust back blow procedures (Heimlich manoeuvre) and mouth sweep for clearing a blocked airway. When correct procedures are performed, the manikin will expel the object causing the obstruction. Made of durable vinyl to create a realistic feel.

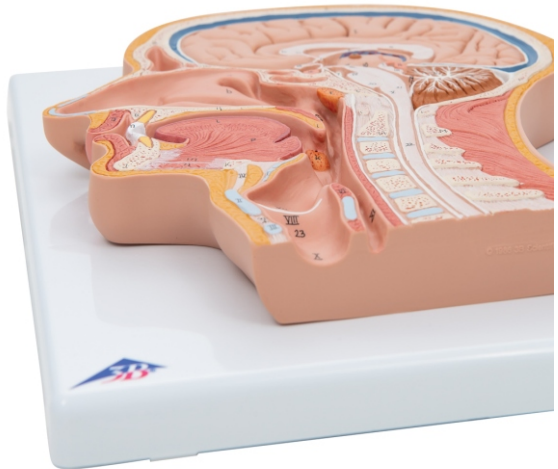
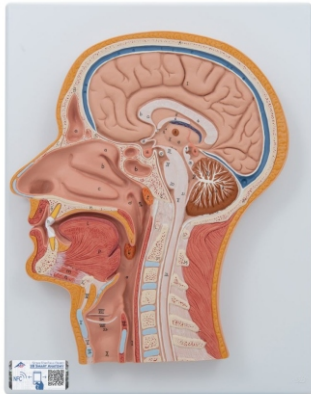
Features include:

- Anatomical landmarks such as ribcage, xiphoid process and jugular notch

Supplied with choking objects, shirt and soft carrying bag.

# MANNEQUIN HEAD (3D MODEL) FOR TRAINING TARPANA

**Model No. 1021818 (3B Scientific, Germany.)**  
**Median Section of the Head**



New anatomy app called 3B Smart Anatomy now included for FREE with Median Section of the Head.

Every original 3B Scientific anatomy model now includes these additional FREE features:

Free access to the anatomy course 3B Smart Anatomy, hosted inside the award-winning Complete Anatomy app by 3D4Medical

The 3B Smart Anatomy course includes 23 digital anatomy lectures, 117 different virtual anatomy models and 39 anatomy quizzes to test your knowledge

Bonus: FREE warranty upgrade from 3 to 5 years with every product registration

TIP: You will also receive access to a free 3-day trial to all premium features of the Complete Anatomy app when you sign up for your 3B Smart Anatomy course.

To unlock these benefits, simply scan the label located on your model and register online. All 3B Smart Anatomy features are completely free of charge for you. Click here to learn more.

NEW and exclusively with original 3B Scientific® anatomy models: Median Section of the Head – now enhanced with 3B Smart Anatomy.

## **Your advantages with all 3B Smart Anatomy models:**

Free warranty extension from 3 to 5 years

Free access to 3B Smart Anatomy courses in the award-winning Complete Anatomy

Includes 11 3B Smart Anatomy courses with 23 lectures and 117 different views of interactive virtual models. Also includes 39 quizzes

To unlock these benefits, simply scan the label and register your 3B Smart Anatomy model online. All 3B Smart Anatomy features are completely free of charge for you. Read more about the concept of "Virtual meets Reality" developed by 3B Scientific for you to make learning human anatomy even more effective across all media.

This relief model shows all relevant structures of the human head in great detail. The median section of the head is a great tool for teaching the important anatomical structures. The high quality model is delivered on a baseboard for easy display in a classroom or doctor's office.



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# EXCHANGE TRANSFUSION

**Model No. AR331 (Adam,Rouilly, UK.)**

**PEDIATRIC TRAINING MANIKIN  
THE HUNGRY MANIKIN®**



Adam Rouilly offers a wide selection of Clinical Skills Simulators – Nasogastric Feeding/Tube Care/Management. Explore our diverse collection tailored for precise medical training needs. Our simulators provide effective tools for nasogastric feeding, tube care, and management techniques, meeting educational needs. Discover how our range enhances teaching and learning experiences.

## Skills

This model was designed by nutrition nurses at Birmingham Children's Hospital to demonstrate to parents/carers the technique for inserting nasogastric and gastrostomy tubes in children

This simple to use simulator helps identify the stages of placement, ensuring that the nasogastric device is passed safely and correctly.

This child manikin enables parents/carers to visualise the correct positioning of nasogastric and gastrostomy tubes and also practise the associated techniques

Families have reported that The Hungry Manikin gave them invaluable practice and increased their confidence and understanding.

Measurement, placement and securement of nasogastric tube

Insertion of gastrostomy tube

As the manikin accepts fluids, training in the following procedures is now possible:

Aspiration of the stomach for confirming correct tube placement

Measuring pH (acidity/alkalinity) of stomach aspirate

Enteral feeding via nasogastric or gastrostomy tubes

Administration of liquid based medicines

Additional Information

## Includes

Instruction manual

Rigid carrying case

Note Size 8 Fr Nasogastric and Size 12 Fg Ryles tubes should be used with this model

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# NEONATAL RESUSCITATION

Model No. PP-IM-100M-MS (Prestan, USA.)  
PRESTAN INFANT CPR



Sleep Mode/No Power	○ ○ ○ ○ ○
1 <sup>st</sup> Full Compression (Wake mode/LED Test Mode)	● ● ● ● ●
CPM* < 60	● ● ● ● ○
CPM* 60 – 79	○ ○ ● ● ○
CPM* 80 – 99	● ● ● ● ○
CPM* 100 – 120	● ● ● ● ●
CPM* > 120	● ● ● ● ●
Compressions Stopped	● ● ● ● ○

\*CPM = Compressions per minute  
● = Flashing

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.

Prestan Professional Infant CPR Training Manikin (installed with Rate Monitor and Depth Clicker for CPR Feedback and AA Batteries not included).

## Includes:

- One Infant Manikin Medium Skin
- 10 Child Face-Shield/Lung-Bags
- Instruction Sheet
- Carry Bag



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

All PRESTAN Professional Manikins are available with a revolutionary 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. Lights continually signal rate progression, confirming compressions are within the 100- 120 cpm range recommended by the Industry Guidelines. The yellow light will blink if the 120 cpm upper limit is exceeded, warning students to slow down. Instructors can monitor several students quickly and easily.

In addition to the visual CPR Rate Monitor, students will also hear a clicker sound as the chest is pushed to the appropriate depth of 2.0 -2.4 inches allowing them to experience the true force needed to deliver real life chest compressions.

The CPR Rate Monitor may be purchased separately to upgrade any non-monitored PRESTAN Professional Manikin.



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# UMBILICAL CORD CATHETERIZATION

**Model No. 101-340 (Nasco Heathcare, USA.)**  
**NEO NATE**



55

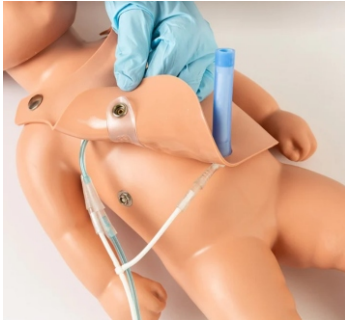
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Effective simulation of standard and emergency care immediately after birth.

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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## SETTING UP PAEDIATRIC INTRA-VENOUS INFUSION AND CALCULATING DRIP RATE

Model No. LF00958 (Nasco Healthcare, USA.)  
PEDIATRIC ARM



- 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.	





## PAEDIATRIC INJECTION TRAINER

Model No. LF00952 (Nasco Healthcare, USA.)  
INJECTION TRAINER LIGHT



Practice intradermal, subcutaneous, and intramuscular injections safely and conveniently. The soft, realistic material can be punctured repeatedly without showing needle holes. Injecting with liquids is not recommended. Pad measures 7 in. L x 4 in. W x 2-1/2 in. D.

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## FULL BODY MANNEQUIN

(FOR DEMONSTRATION OF ABHYANGA, UDVARTANA, UTSADANA, LEPA, PATRAPOTTALI SWEDA ANS STHANIKABASTI)

Model No. SB23541 L (Gaumard, USA.)  
SIMPLE SIMON LIGHT



- 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





# ENEMA TRAINER FOR BASTI ADMINISTRATION

Model No. LF00957 (Nasco Healthcare, USA.)  
ENEMA SIMULATOR



- 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.
<b>Hevi-Lube</b> Sh. wt. 0.94 lbs. • Specially formulated, highly concentrated lubricant for exclusive use with Life/form® Enema Administration Simulator only • Pint bottle	LF01050U
<b>Fluid Supply Stand</b> Sh. wt. 4 lbs. • 5 in. x 8 in. base, 5/16 in. steel hooked rod	LF01022U
<b>Fluid Administration Set</b> Sh. wt. 0.25 lbs. • Includes fluid bag with tubing and a fitting	LF01098U
<b>Replacement Tubing</b> Sh. wt. 0.31 lbs.	LF01024U
<b>Nasco Cleaner</b> Sh. wt. 0.88 lbs. • Use to remove stubborn stains from Life/form® simulators • 12-oz. bottle	LF09919U





## CATHETERIZATION (MALE AND FEMALE) FOR UTTARA BASTI

Model No. LF00843 (Nasco Healthcare, USA.)  
MALE/FEMALE CATHETER TRAINER



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:

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





## CATHETERIZATION (MALE AND FEMALE) FOR UTTARA BASTI

Model No. 160-1933 (Nasco Heathcare, USA.)  
MALE & FEMALE CATH TRAINER SET



Practice male and female urinary catheterization on these newly designed anatomically correct models. Training is enhanced by a new material that has a realistic feel and flexibility. Both models utilize a 16 FR catheter and can be used to demonstrate balloon inflation procedures. A fluid reservoir allows for urine output upon successful completion of the insertion procedure. Instructors are able to teach sterile technique and insertion and removal of catheter, as well as practice preparing the patient for the procedure.



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(Nasco Healthcare, USA.)

### Virtual Reality Medical Simulation Solution

- Low price
- Special pricing for classrooms
- Lifetime license for VR simulator set
- Desktop version license valid for 4 years
- 200+ medical scenarios in library
- Case Manager for creating and editing your own cases
- Smart Center with Spectator feature for managing and tracking training
- Multi-user capability – ideal for medical schools or simulation centers

# XR Clinic

A revolutionary way to develop skills with high resolution graphics. Virtual patients answer questions allowing learners to develop their medical diagnostic abilities.

#### Key Features

- Low price
- Special pricing for classrooms
- Industry leading graphics
- Minimum space needed for use: 4 sq. ft.
- Lifetime license
- Unique teleportation feature inside VR section
- Fastest setup, load and response time
- 200+ medical scenarios in library
- Case Manager for creating and editing your own cases
- Smart Center with Spectator feature for managing and tracking training
- Multi-user capability – ideal for medical schools or simulation centers
- Multiple languages: English, Spanish, Arabic, Turkish, Portuguese, German, & more to come

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

Ship weight: 2.3 kg (5.07 lbs)

#### Options

XRC-CM001 – Case Manager Web Service, 150 case scenarios, 1 year

XRC-CM002 – Case Manager Web Service, 300 case scenarios, 2 years



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## 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
- 9: Companies DO NOT DECLARE items to be 2nd Hand. Practice downright DISHONESTY
- 8: 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
- 12: Any Learning-Training is a NOBLE venture particularly MEDICAL EDUCATION
- 13: 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**

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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  
SEM TRAINERS & SYSTEMS**





## INAUGURATION OF SKILLS LAB AT DY PATIL MEDICAL COLLEGE KOLHAPUR

Dr. Arun Nigavekar, Chancellor inaugurating  
the Lab



WHERE TIME MOVES AHEAD TO KEEP PACE WITH  
KNOWLEDGE



## SKILLS LAB AT AFMC PUNE



WHERE TIME MOVES AHEAD TO KEEP PACE WITH  
KNOWLEDGE



## TRAINING FOR STUDENTS AT BLDE BIJAPUR



WHERE TIME MOVES AHEAD TO KEEP PACE WITH  
KNOWLEDGE



# YOGYA CLINICAL SKILLS LAB

## AYURVEDIC GUIDELINES

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SEM - Scientific Educative Methods in Science, Engineering & Medicine



- Researchers Designers & Consultants (Simulations & Training Methodologies)
- A center for the dissemination of simulation training methodologies in Science, Engineering & Medicine
- Think Tank and Consultants in Medical Clinical Skills Laboratories.



Our Presence  
and Supplies  
In India

WHERE TIME MOVES AHEAD TO KEEP PACE WITH  
KNOWLEDGE

PAN India presence  
in almost every state.



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