

# MEDICAL AND EXPLORATION TECHNIQUES

TPA-13



TPA-14



TPS-15

## Patient Education Tracheostomy Care Set

- Adult and Infant Manikins
- Dressing Changes
- Suctioning
- Cuff Inflation

The Patient Education Tracheostomy Care Set is ideal for teaching patients and caregivers the skills they will need to perform at home. The Adult Manikin includes oral and nasal passages, the pharynx, epiglottis, trachea, esophagus, tracheostomy site, and cricoid cartilage. The mouth and jaw are flexible to allow oral suctioning. The trachea branches into the left and right bronchial trees. Students can practice suctioning techniques, proper cuff inflation, dressing changes, and other techniques. Cleansing and maintenance of the external tracheal site can be performed just as on an actual patient. The Infant Manikin can be used to teach parents and caregivers basic tracheostomy care skills, and is used extensively with children to comfort them and improve their self-esteem. The Tracheostomy Care simulator set comes complete with one adult and one infant manikin, one adult and one infant tracheostomy tube, instruction guide, and hard carrying case. Three-year warranty. Dimensions: 56 x 54 x 28 cm.

Sh. wt. 12.25 kgs.

TPI-14

## Infant Tracheostomy Care Manikin

Infant manikin comes with tracheostomy tube, instruction guide, and hard carrying case. Three-year warranty.

Dimensions: 61 x 28 x 18 cm.  
Sh. wt. 5.90 kgs.

TPA-13

## Adult Tracheostomy Care Manikin

Adult manikin comes with tracheostomy tube, instruction guide, and hard carrying case. Three-year warranty.

Dimensions: 56 x 54 x 28 cm.  
Sh. wt. 8.80 kgs.

STR-43

## Tracheostomy Care Simulator

- Suctioning
- Dressing Changes
- Visual Verification of Bronchial Location
- Cuff Inflation
- Visual Landmarks

The Tracheostomy Care Simulator is the most realistic approximation of a patient available today. Careful attention to detail is incorporated into this pseudo-patient. Available and cooperative, suctioning techniques, proper cuff inflation, dressing changes, and other techniques can be practiced and critiqued. The simulator replicates an adult male containing oral and nasal passages and all appropriate anatomy - pharynx, epiglottis, trachea, esophagus, stoma, cricoid



SCV-30

## Central Venous Cannulation Simulator

Designed for learning and practicing CVC techniques, the Central Venous Cannulation Simulator is directed to the emergency medical field. ACLS and ATLS participants will find this simulator to be the ideal trainer. Anatomically accurate, palpation is exactly the same as on a patient. The sternal notch, sternodeidomastoid, clavicle, and other supporting features make this simulator a pleasure to work with. Internal features include a replaceable muscle and bone section, subclavian, internal jugular, external jugular, and carotid. Use of a Swan-Ganz catheter is possible and changing of the internal tubing is extremely easy. The neck of the simulator is positioned to the left, making landmark identity quite easy visually. The sternal notch "sinks" 1 to 1-1/2 cm when palpated. All external and internal landmarks correlate to a live patient. Modified to meet ATLS and ACLS standards, this simulator has proven itself in the emergency medical field. The Central Venous Cannulation Simulator includes replaceable skin, tubing sealant, needles, one quart of blood, and instruction guide in a hard storage case.

Sh. wt. 11.34 kgs.

Dimensions: 50 x 43 x 25 cm.

### Available Supplies

- |  |         |
|--|---------|
| • Skin Repair Kit  | 0421013 |
| • Replacement Tubing Kit   | 0421088 |
| • Central Venous Cannulation Simulator Replacement Kit (includes skin and veins) | 0421029 |
| • Central Venous Cannulation Simulator Bone and Muscle Replacement Kit           | 0421012 |
| • Venous Blood (1 L.)  | 0421024 |
| • Venous Blood (4 L.)  | 0421028 |



STR-43

cartilage, and representative cervical vertebrae. The chest area contains left and right bronchi and the bronchial tree. The esophagus "dead ends" 2" below the trachea opening. The side of the neck and chest area over the bronchial tree allow viewing of the suction and trachea tube.

The viewing window at the bottom of the simulator shows the location of a suction catheter in the right bronchus (seen) or left bronchus (unseen). Oral, nasopharyngeal, nasotracheal, and tracheal suctioning can be practiced. Dimensions: 53 x 53 x 28 cm.

Sh. wt. 11.34 kgs.

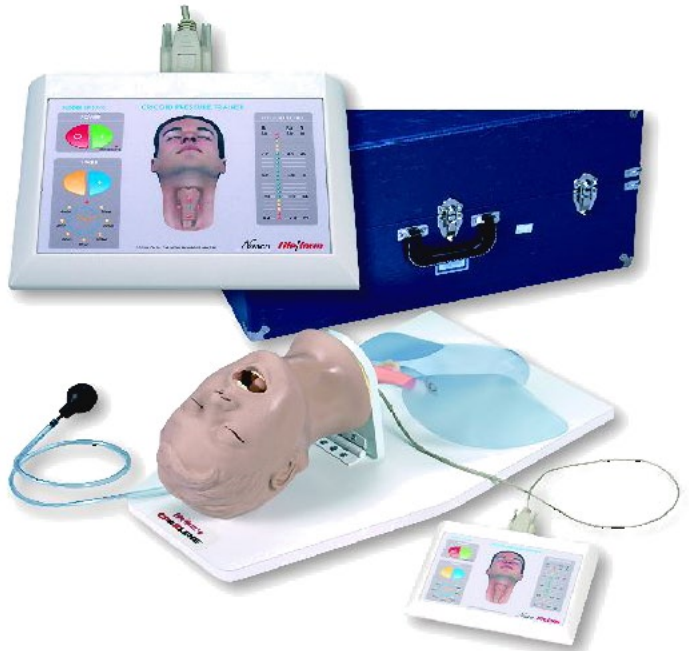
# MEDICAL AND EXPLORATION TECHNIQUES

## EPC-60

### Cricoid Pressure Trainer

Many publications have reported that health professionals are putting patients at risk through not applying cricoid pressure consistently or correctly. The application of cricoid pressure, also known as the Sellick Maneuver, stops gastric regurgitation from reaching the lungs in patients being intubated. When performed correctly, cricoid pressure can help proper tracheal tube placement. Cricoid pressure is also recommended during mask ventilation during CPR to reduce gastric distension and consequential regurgitation. Now students and health professionals can properly train to use this technique more successfully. The electronic monitor displays correct and incorrect hand placement continuously showing the amount of force being applied to the cricoid cartilage, and has a timer. Most health professionals are surprised by the amount of force required and the difficulty in maintaining that force over time to apply cricoid pressure correctly.

The CPT includes an intubation head. The head simulates a non-anesthetized patient for practicing intubation, ventilation, suction, and CPR techniques. Realistic anatomy and landmarks including teeth, tongue, oral and nasal pharynx, larynx, epiglottis, arytenoids, false cords, true vocal cords, trachea, lungs, esophagus, and stomach. The trainer allows you to practice oral, digital, and nasal intubation, as well as E.T., E.O.A., P.T.L., LMA and Combitube insertion. Suction techniques and proper cuff inflation may also be practiced and evaluated. Features durable, rugged, one-piece construction and bifurcated lungs. Trainer comes with head, training stand (for mounting head), electronics, pump spray lubricant, and hard carrying case. Sh. wt. 14.91 kgs.



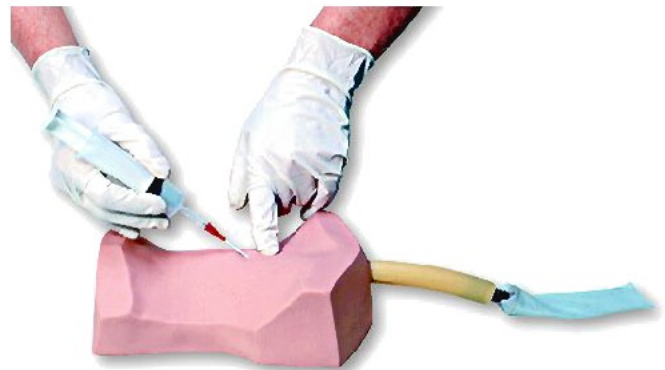
## STC-39

### Cricothyrotomy Simulator

- Realistic Appearance
- Anatomically Correct
- Replaceable Skin • Replaceable Trachea

Designed for learning and practicing the technique necessary to perform an emergency cricothyrotomy! Paramedics, EMTs, other emergency personnel, anesthesiologists - all now have the opportunity to perfect this technique. Normally, the availability of cadaver material has determined the degree of procedural practice. Fortunately, this is no longer the case. The Cricothyrotomy Simulator now offers the perfect alternative to cadavers. Palpable landmarks include the cricoid and thyroid cartilage. The prominent larynx is prominent on the hyperextended neck. All landmarks are accurately placed and allow for fast action. The "trachea" in this simulator is replaceable as the "airway" passes completely through from top to bottom. This allows checking the stylet and obturator placement once the "stab" has been made. Complete with a full-size neck, ties can be used to hold the obturator in a secure position. The Cricothyrotomy Simulator comes complete with five replacement skins and five cartilage inserts, REN cleaner, instruction guide, and a durable carrying case. Sh. wt. 8.62 kgs.

- Cricothyrotomy Cartilage- (Pkg. of 12) 0421206
- Replacement Kit- 3 skins and 3 inserts 0421038
- Ren Cleaner 0421003



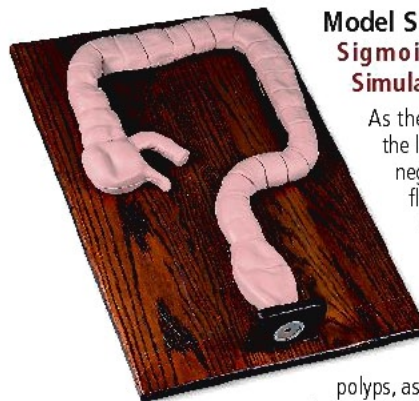
## STC-40

### Cricothyrotomy Simulator

Designed for needle or surgical cricothyrotomy. Landmarks include thyroid cartilage, cricoid cartilage, and cricoid membrane. Inflation of simulated lung verifies correct placement. Adult and 3-year-old tracheas and soft carry bag included. With four overlay skins.

Dimensions: 30 x 22 x 24 cm.

Sh. wt. 1.81 kgs.



## Model SEC-44

### Sigmoidoscopic Examination Simulator

As the scope follows the contours of the large intestine, the student must negotiate the sigmoid colon, splenic flexure, and hepatic flexure before viewing the internal structure of the ascending colon and cecum.

As the flexible sigmoidoscope is withdrawn, the student can identify benign sessile, pedunculated and hyperplastic

polyps, as well as cancerous lesions. There are a total of 12 pathological conditions to diagnose.

All manipulative and photographic techniques can also be practiced. Originally produced exclusively for ACMI, this simulator has been used for physician training nationwide. The Sigmoidoscopic Examination Simulator is available on a solid oak stand complete with lubricant, instruction guide, and hard carrying case. Dimensions: 66 x 48 x 18 cm.

Sh. wt. 8.62 kgs.

# MEDICAL AND EXPLORATION TECHNIQUES



## MTC-20 Chest Tube Manikin

Now there is a manikin designed specifically to teach the theory, anatomy, and skills needed to manage pre-hospital chest trauma, as well as ongoing chest tube maintenance. The right side of the manikin has two cut-away viewing areas to provide awareness of the anatomical relationships between the skin surface, musculature, ribs, and lungs. The left side has a pressurized tension pneumothorax site to relieve air that 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 Chest Tube Manikin is perfect for teaching the concepts and mechanics of closed water-seal drainage systems like "Pleur-Evac" type units. Manikin comes with two visual sites for chest tube maintenance, five replaceable surgical chest tube sites, five replaceable pneumothorax chest pads, and hard carrying case. (Does not include chest tubes or water-seal drainage system). Sh. wt. 13.29 kgs.

### Replacement Parts

- Pneumothorax Pads (Pkg. of 5) 0421537
- Surgical Skin Pads (Pkg. of 5) 0421538
- Subcutaneous Pads (Pkg. of 5) 0421541
- Blood Powder 0421539
- Methyl Cellulose 0421540



## TPN-20 Pneumothorax Simulator

This torso allows an instructor to teach and a student to practice properly inserting a needle to permit built up air pressure to escape the thorax. Emergency care doctors recommend this relatively simple procedure to release air pressure from the thorax of a trauma victim.

This model will allow emergency medical personnel to develop the needed skills before administering to a live patient. This model accepts needle thoracotomy in the second intercostal space in the midaxillary line, or the fifth intercostal space in the midaxillary line. The model is complete with replaceable lungs, a rib cage, and a soft, lifelike replaceable skin. Unit can be punctured 75 to 100 times before replacement is necessary.

Dimensions: 48 x 48 x 23 cm.

Sh. wt. 4.08 kgs.

### Available Supplies

- Replacement Lung. 0421338
- Replacement Skin. 0421337



## SCC-18 Heart Catheterization Simulator

Now you can train residents and staff in the techniques of performing central venous catheterization using the Total Parenteral Nutrition (TPN) Simulator. All appropriate landmarks are palpable for realistic identification of injection sites. Synthetic skin may be removed from shoulder to reveal dissected musculature and location of veins, arteries, and other landmarks. With the skin in place, you can actually insert the needle introducer. The tactile sensation is dramatically realistic. Artificial blood is connected to provide confirmation of proper needle location when "blood" flows from needle, just like the real thing! Venous catheters can be snaked into place once the introducer is properly inserted. Skin and veins will stand up to repeated puncture to allow training by dozens of staff members. The skin and veins are easily replaced once worn. Also practice proper care of the puncture site and parenteral administrations. Practice measuring central venous pressure. Bandaging techniques can be practiced with no fear of infection or other harm to a patient. In emergency medical training programs, practice delivery of large volumes of fluids in trauma. Inject for swift action as required for cardiac life support procedures. The Heart Catheterization Simulator includes replaceable skin, tubing sealant, needles, 1 quart of blood, and teaching guide in a hard storage case. Dimensions: 71 x 43 x 25 cm.

Sh. wt. 14.06 kgs.

- Venous Blood (1 L) 0421024
- Venous Blood (4 L) 0421028
- Replacement Skin and Vein Set 0421039
- Lubricant Kit 0421002

# MEDICAL AND EXPLORATION TECHNIQUES



## SIE-60

### Spinal Injection Simulator

The Spinal Injection Simulator is a valuable training and teaching aid allowing realistic demonstration and practice of all spinal injections. Spinal injection techniques include: spinal anesthesia, spinal tap, epidural analgesia, caudal analgesia, sacral nerve block, and lumbar sympathetic block. Excellent simulation qualities, in addition to an easy-to-change vertebral column and replaceable skin, make this product the very best available.

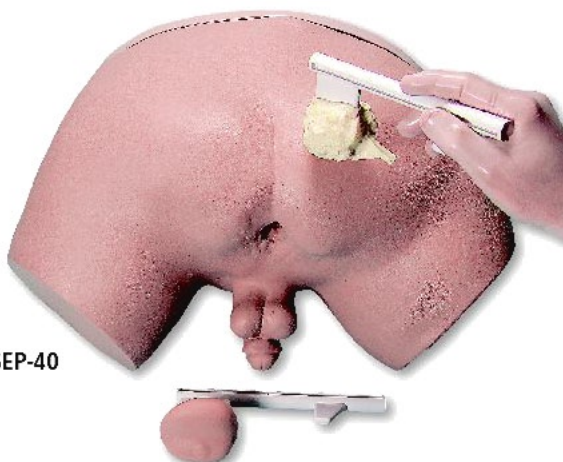
Careful duplication of the anatomy ensures proper resistance in needle puncture and accurate palpation reference points. The replaceable skin can be changed without tools in minutes. The spinal column can be charged with fluid and placed in sitting or lateral positions for injection practice. The L1 and L2 sections of the vertebral column are clearly visible. The functional portion of this injection model includes L3-L5 vertebrae, plus the sacrum and coccyx. The Spinal Injection Simulator includes a fluid supply bottle with connectors, teaching guide, and hard carrying case.

Sh. wt. 12.25 kgs.

Dimensions: 48 x 46 x 28 cm.

#### Available Supplies

- Spinal Replacement Kit With skin, musculatures and spinal cord. 0421040
- Lubricant Kit . 0421002



## SEP-40

### Prostate Examination Simulator

Here is an indispensable model for both students and professionals. Teach techniques of prostate examination with the Prostate Examination Simulator. Now every student can learn to detect beginning stages of prostate cancer and increase chances of patient survival. Four separate prostate glands are supplied with the torso, representing one benign gland and three stages of prostatic carcinoma in varying degrees of development. Each gland can be inserted into the prostate torso to allow realistic practice in diagnosis by rectal palpation.



### Ear Examination Simulator and Basic Nursing Set

The Ear Examination Simulator makes it possible to practice examination of the human ear. Specially molded to exactly simulate external and internal physical appearance and dimensions, the plug-in removable ears are easily changed. Life-size full-color prints on film, embedded at the tympanic membrane, provide the same realistic views experienced with a live patient. The lifelike, flexible texture of the ears requires the same manipulation when using the otoscope as required on a live patient. Realistic irrigation and cleaning exercises are possible with the two tubes of synthetic earwax that are provided with the simulator. A supplementary set of four ears is available separately for advanced nursing and medical school training.

## SEO-14

### Ear Examination Simulator

Includes normal tympanic membrane (photo embedded); mucoid otitis media (photo embedded); serous otitis media with fluid level (photo embedded); chronic otitis media with perforation (photo embedded); normal tympanic membrane with slanted ear canal (photo embedded); normal ear without photo for earwax removal exercise; two tubes of synthetic earwax; a set of nine 35 mm slides; instructions; and hard carrying case.

Dimensions: 41 x 41 x 28 cm.

Sh. wt. 7.17 kgs.

- Supplementary Set for Advanced Training. 0421204

Includes chronic otitis media with large perforation (photo embedded), attic cholesteatoma (A) (photo embedded), attic cholesteatoma (B) (photo embedded), and atelectatic middle ear otitis and tympanosclerosis (photo embedded).

#### Available Supplies

- Earwax. Applicator included. 0421036

## SEP-40

### Prostate Examination Simulator

The Prostate Examination Simulator is complete with four glands, hard carrying case, lubricant, cleaner, and teaching guide.

Dimensions: 56 x 38 x 31 cm. Sh. wt. 10.48 kgs.

- STAGE A GLAND - Benign, slightly enlarged, but otherwise normal prostate gland.
- STAGE B GLAND - A discrete, hard nodule is palpable in the upper right quadrant. This simulates a beginning stage of carcinoma.
- STAGE C GLAND - The spread of carcinoma is demonstrated in this gland. The small nodule has increased in size and has become an external hard mass on the surface of the gland.
- STAGE D GLAND - This gland is totally replaced with carcinoma. The entire gland will feel hard and irregular.

#### Available Supplies

- Lubricant Kit. 2-oz. bottle. (50 grs.) 0421002

# MEDICAL AND EXPLORATION TECHNIQUES

## CATHETERIZATION SIMULATORS

Catheterization is one of the basic skills all nursing students must learn, and to learn the techniques, they must practice. Any patient volunteers? Not likely! But our simulators allow demonstration and practice in urinary catheterization without embarrassment or discomfort to the patient or the students. In addition, catheterization simulators are useful for anatomical identification and demonstration of perineal care. The realism of the Catheterization Simulators will help your students bridge the gap, from classroom to bedside, with ease and comfort. **NOTE:** A 16 Fr. Silicone Foley catheter can be used if extreme care is taken to inflate the cuff only when it is in the proper position. Just as in a real patient, the cuff must be completely deflated before the catheter is removed. Improper use of a Foley can result in damage to the simulator, just as when using a Foley catheter with a real patient.

### SFC-20

#### Female Catheterization Simulator

The Female Catheterization Simulator is constructed with a bladder reservoir, patient urethra, and a valve simulating the internal urethral sphincter. The normal feeling of resistance and pressure will be experienced as a catheter is passed through the urethra, past the sphincter, and into the bladder. When the catheter enters the bladder, artificial urine (water) will flow from the catheter as it would with a real patient. This simulator is the torso of a middle-aged woman with thighs abducted for proper position during catheterization. The external genitalia and perineum are molded in lifelike form. The labia minora can be spread apart naturally to reveal the clitoris, urethral opening, and vaginal introitus. Includes a hard carrying case, lubricant, catheter, and teaching guide. Dimensions: 61 x 44 x 33 cm.

Sh. wt. 10.25 kgs.



### SMC-20

#### Male Catheterization Simulator

With the Male Catheterization Simulator, catheterization can be practiced just as on a real patient. A lubricated catheter can be inserted in the urethral orifice, passed through the urethra, and into the bladder. When the bladder is successfully entered, artificial urine (water) will flow from the catheter.

The student will feel the normal restrictions caused by the mucosal folds, bulbous urethra, and the internal urethral sphincter, just prior to entrance into the bladder. The experience teaches proper positioning and movement of the penis to allow the catheter to pass easily with a minimum of discomfort to the patient.

Sh. wt. 5.33 kgs.

## Available Supplies Models SFC-20 and SMC-20

- |   |         |
|---|---------|
| • Foley Catheter. (16 Fr. Scc.) Pkg. of 1.  | 0421000 |
| • Foley Catheter. (16 Fr. Scc.) Pkg. of 10. | 0421001 |
| • Lubricant Kit. (50 gr.) bottle pkg. of 6. | 0421002 |
| • REN Cleaner. (300 gr) bottle.             | 0421033 |



### CMF-40

#### Dual-Sex Catheterization Simulator

This two-in-one simulator combines the features of female and male catheterization simulators at an economical price. Use of this simulator will give your students the confidence required to perform this basic nursing procedure. Features include complete catheterization training; interchangeable, realistic male organ; fully functional stomas connected to removable, replaceable internal tanks; and modular urethral valve to prevent fluid leakage. Comes with an instruction manual and soft nylon carrying bag.

Dimensions: 51 x 46 x 33 cm.

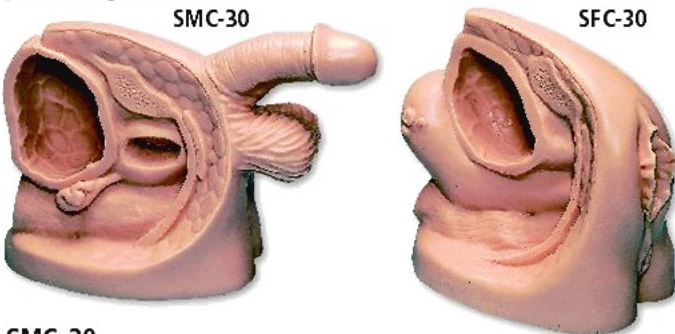
Sh. wt. 9.36 kgs.



# MEDICAL AND EXPLORATION TECHNIQUES

## MALE & FEMALE CATHETER MODELS

Use these realistic catheterization models to practice the proper insertion of a lubricated catheter. May also be used for teaching anatomy and sterility cleansing techniques before, during, and after insertion. Models use any catheter size 16 FR. or smaller. Each model includes instructions with anatomy diagram, plus a storage box.



### SMC-30 Male Catheter Model

Anatomy includes rectum, seminal vesicle, bladder, pelvic bone, prostate, urethral sphincter muscle, urethral meatus, glands, scrotum, pelvic diaphragm, and anus. Dimensions: 28 x 23 x 13 cm. Sh. wt. 1.70 kgs.

### SFC-30 Female Catheter Model

Anatomy includes rectum, uterus, bladder, pelvic bone, urethral sphincter muscle, clitoris, urethral meatus, labium minora, vagina, labium majora, pelvic diaphragm, and anus. Dimensions: 28 x 23 x 13 cm. Sh. wt. 1.70 kgs.

### CMF-70 Male & Female Catheter Model Set.

Includes both Male (SMC-30) and Female (SFC-30). Catheter Models. Sh. wt. 3.40 kgs.

## SOS-15 Ostomy Care Simulator

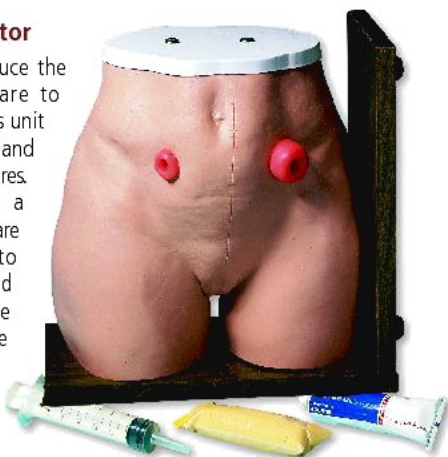
Designed to help introduce the essentials of ostomy care to patients and students, this unit is ideal for demonstration and practice for several procedures. The anatomy of both a colostomy and ileostomy are carefully reproduced to provide lifelike functions and appearance. Dilation of the stomas can be demonstrated and practiced, along with application of postoperative and permanent ostomy bags.

The colostomy can actually be irrigated. Syringes are included to pump materials through the unit to provide drainage and excretion at the ileostomy and colostomy. The syringes are inserted through ports in the back of the simulator. One pumps the ileostomy with clear water, or water tinted for exact realism, and the other syringe pumps synthetic stool to the colostomy. The consistency of the stool can be varied by using water to thin the material, and most of the stool can be salvaged and reused. A soft, pliable material is used for the stomas in order to achieve a most realistic tactile sensation. Complete with a hard carrying case, teaching guide, and supply of simulated stool. Three-year warranty. Sh. wt. 10.63 kgs.

Dimensions: 46 x 46 x 30 cm.

#### Available Supplies

- Simulated Stool 0421032



## SDP-31 Peritoneal Dialysis Simulator

Designed to introduce patients, students, and nurses to the essentials of CAPD procedures and care. The realistic torso offers a lifelike method to demonstrate and practice peritoneal dialysis. Success with CAPD is dependent on the patient's following dialysis procedures with extreme care. This simulator gives the patient an opportunity to gain the confidence necessary for prolonged success with CAPD. The Peritoneal Dialysis Simulator is complete with indwelling Tenckhoff catheter in a hard storage case. Dimensions: 46 x 46 x 31 cm. Sh. wt. 10.18 kgs.



## SAE-50 Enema Administration Simulator

You will appreciate the convenience of having a simulator to teach enema procedures. Use it for group demonstrations and practice sessions of any size. Each student can realistically practice administering an enema using this lifelike model. The standard enema procedures can be performed using conventional enema apparatus or no special equipment is required. 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. The simulator is portable and easy to use. A drain tube is provided so that the fluid can be drained directly into a large container or sink, for continuous use. Includes a hard carrying case, enema administration set, and teaching guide. Dimensions: 46 x 46 x 31 cm. Sh. wt. 8.62 kgs.

- Hevi-Lube Pint bottle. 0421033

Specially formulated, highly concentrated lubricant for exclusive use with the Enema Administration Simulator (SAE-50) only.

- REN Cleaner. 0421003

Use to remove stubborn stains from simulators.