

Patient Kelly

Directions for Use



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The Patient Kelly is a lifelike manikin, which realistically simulates a patient. It is specifically designed for training professionals in the practice of basic and advanced nursing techniques.

The manufacturing quality of this simulator should provide many sessions of training when reasonable care and maintenance are practiced.

Laerdal Recommends:

Tracheostomy tube – Size 6

Syringe – 10 ml

Urethral catheterization – Size 16 French catheter

Manikin Lubricant or liquid soap

Items included:

- (1) Patient Kelly
- (1) Male Genitalia
- (1) Female Genitalia
- (3) Urinary Valves
- (2) Anal Valves
- (1) Hospital Gown
- (1) Silicone Spray
- (1) Assembly Tool Kit

Skills Taught:

- Ostomy irrigation
- Catheterization
- Colonic irrigation
- Enema simulation
- Ear irrigation
- Subclavian, Hickman, Jejunostomy care
- Lavage/Gavage
- NG tube insertion
- OG tube insertion
- Tracheotomy care
- Subcutaneous and intramuscular injection

Head:

Head is connected to torso with a long bolt at base of neck, secured with a lock nut.

To add or remove:

Lift esophagus out of way, detach stomach reservoir and remove lock nut; the head will now slip out of the torso.

Tracheostomy Plug and Care:

To remove tracheostomy plug, grasp firmly, lifting it up and out. To replace, press it into the opening.

Laerdal Recommends:

Use a size 6-tracheostomy tube. Opening will accommodate other sizes, but a size 6 is usually most suitable.

NG Tube Placement:

This manikin features an esophagus and stomach reservoir for the practice of NG tube insertion and skills such as Gavage and Lavage.

Lubricate tube with either silicone spray or liquid detergent prior to NG tube insertion.

Stomach Reservoir:

Stomach reservoir attaches to esophagus with a black connector. To fill reservoir with water, you must unscrew from esophagus.

Chest Plate:

Chest plate fits into torso by a ledge on plate and corresponding groove on torso cavity.

To remove:

1. Pull out plate by applying pressure to center of plate.
2. Work fingers under edge of plate and lifting out.

To insert:

1. Position plate over cavity.
2. Work edges into groove on torso cavity.

Belly Plate:

Belly plate fits into lower torso by a ledge on plate and corresponding groove on torso cavity.

To remove:

1. Pull out plate by applying pressure to center of plate.
2. Work fingers under edge of plate and lift out.

To insert:

1. Position plate over cavity.
2. Work edges into groove on torso cavity.

Laerdal Recommends:

Belly plate also contains urinary reservoir and colostomy stoma. To fill reservoir, remove colostomy stoma and fill, then reinsert stoma.

Injection Pads:

Squeeze pad together with fingers and pull out to remove. To replace, reverse the procedure.

Waist, Elbow, Knee and Ankle Joints:

These joints are connected by a bolt and lock nut.

To remove, unscrew lock nut.

Pull bolt out of joint. Segments will now easily disconnect.

Laerdal Recommends:

When assembled, talcum powder should be used in joints to assist

Arms and Legs:

The arms are attached using a bolt, three washers, a spring and a wing nut.

To attach arm:

1. Remove chest plate from manikin to locate hole in shoulder.
2. Remove deltoid injection pad from arm.
3. Unscrew wing nut from bolt in arm.
4. Remove wing nut, two washers and spring.
5. Insert bolt through hole in shoulder.
6. Slide one washer, spring and second washer back over bolt.
7. Use a screwdriver to hold bolt steady while tightening wing nut. (Figure 1)

To remove arms, reverse procedure.

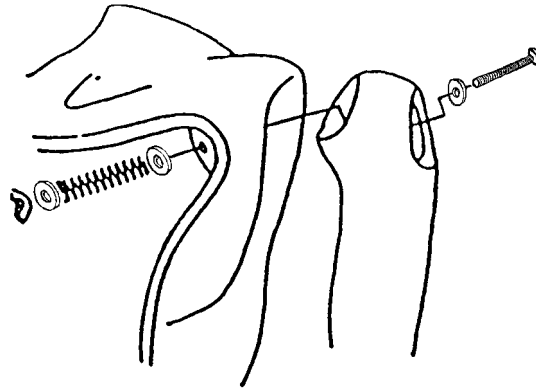
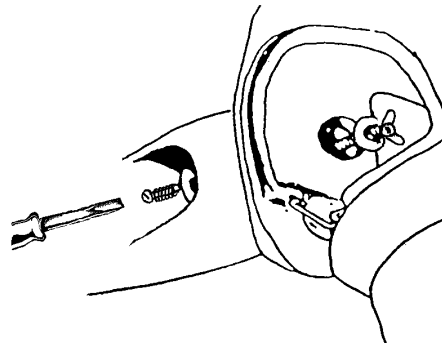


Fig. 1

To attach leg:

1. Remove belly plate from manikin to locate hole in hip.
2. Remove thigh injection pad from leg. Remove wing nut and washer from bolt already inserted in leg (leave the spring assembly in the thigh of the leg).
3. Insert bolt through hole in pelvis.
4. Slide washer and wing nut back over bolt.
5. Use a screwdriver to drive bolt into the wing nut. (Figure 2)

Fig. 2



To remove legs, reverse procedure.

Colon Reservoir:

Colon reservoir inserts into pelvic cavity with narrow end downward and connector pointing out. This connector attaches reservoir to rectal valve on genitalia. Reservoir should be removed from manikin, inverted and drained completely before storage.

Genitalia –

Both male and female genitalia have been provided for urinary catheterization and enema training procedures.

Valve tubes, with a screw cap on one end, will connect urethra and anus to corresponding reservoirs. This cap must be connected to genitalia openings. Soft vinyl end of connector is attached to urinary and anal reservoirs with a white C-clamp. (Long valve connects urinary reservoir; short valve connects anal reservoir.)

Pelvic support pin must be removed and replaced immediately when assembling and disassembling genitalia. (Figure3).

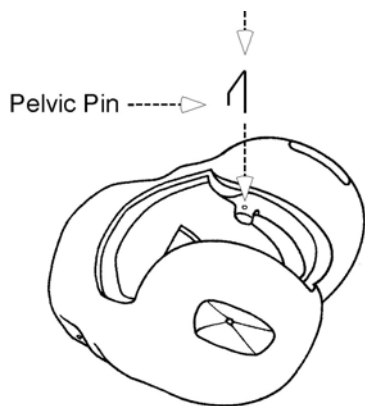


Fig. 3

To assemble:

1. Screw both valves onto genitalia. When attaching valves, be sure alignment of genitalia, urinary reservoir (belly plate) and colon reservoir are as illustrated in Figure 4.
2. Lift up on edge of belly plate.
3. Pull down upper portion of genital.
4. Insert into pelvic cavity.
5. Replace the pelvic support pin.
6. Press belly plate into position.

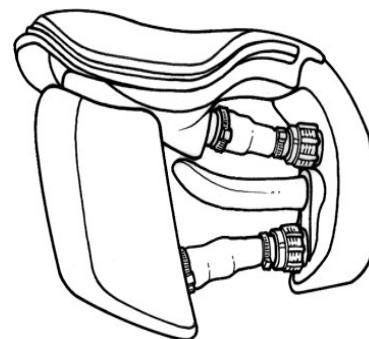


Fig. 4

Laerdal **Recommends:**

Pelvic support pin must be replaced. Failure to replace pin will result in pelvic spread.

If this occurs, the genitalia module will no longer fit properly in the manikin.

To disassemble:

1. Lift up on belly plate.
2. Pull upper portion of genitalia back to remove pelvic support pin.

Belly plate, genitalia with connectors and colon reservoir may now be removed simultaneously.

Urinary Catheterization and Enema Simulation –

**Laerdal
Recommends:**

Catheters should be well lubricated with manikin lubricant or full strength liquid soap prior to using.

After several uses, catheter may “hang” when water has washed away lubricant, causing friction and binding. If this occurs, generously lubricate a catheter and insert into urethra several times.

If catheter hangs during removal, work it with an “in and out” motion. Use warm water in reservoirs when possible to keep soap from clogging the catheters. Make sure reservoirs are well drained of all water before disconnecting valves.

**Laerdal
Recommends:**

A size 16 French catheter is suggested for urethral catheterization.

Size 7mm catheter is suggested for enema

Check List for Valves That May Leak:

- A. Do valve connections have an O-ring?
- B. Does the white C-clamp fit firmly against base of valve?
- C. Are valves attached correctly?
- D. If valves are attached correctly, are they properly connected to reservoirs and to genitalia?

Care and Maintenance:

1. Clean with mild soap and water; do not submerge manikin or parts in cleaning fluids or water.
2. Use only on clean surface. Avoid felt tipped markers, ink pens, acetone, iodine or other staining products and avoid placing the manikin on newsprint or inked lines of any kind.
3. To ensure longevity, each manikin should be cleaned after each training session and a general inspection should be conducted regularly.
4. Modules and all other parts should be drained and air-dried thoroughly before storage and disinfected when needed. After use of injection pads (*use water only*), accumulated water should be squeezed out. **Do not store wet foam pads in the skin.** To prevent mildew or mold, pads can be soaked in a mild solution of disinfectant and water or bleach and water. Squeeze excess solution from pads, allow them to dry, then store or reinsert in manikin.
5. Articulating parts will benefit from a light application of talcum powder prior to training sessions.
6. Store properly between teaching sessions.

Warranty

Laerdal Medical warrants to the purchaser that its products are free from defects in material and workmanship for a period of one (1) year from the date of purchase by the original user. During the designated one (1) year period, Laerdal Medical will, upon receipt of a product found to be defective due to materials or workmanship from the purchaser and notification in writing of the defect, at its option repair or replace any parts found to be defective or the entire product. Warranty period does not renew with replacement or repair of original product.

Products found to be defective and notification of defects may also be sent to the authorized Laerdal Medical dealer from whom the product was purchased. All postage, shipping or handling charges shall be the sole responsibility of the purchaser.

Laerdal Medical is responsible for the effects of safety, reliability and performance of its product(s) only if:

- service, repair, readjustment or modification is carried out by Laerdal Medical or persons authorized by Laerdal Medical.
- the electrical installation of the room where the product is used complies with pertinent equipment requirements.
- the product is used in the proper manner in strict compliance with its Directions for Use.

Laerdal Medical shall not be liable under this warranty for incidental or consequential damages, or in the event any unauthorized repairs or modifications have been made or attempted, or when the product, or any part thereof, has been damaged by accident, misuse or abuse. This warranty does not cover batteries, fuses, normal wear and tear, excessive use, staining, discoloration or other cosmetic irregularity which does not impede or degrade product performance.

Some states in the USA do not allow the exclusion or limitation of incidental or consequential damages, so those limitations or exclusions may not apply to you.

There are no other express or implied warranties, whether of merchantability, fitness or purpose, or otherwise, on the product, its parts and accessories.

Replacement Parts

Product Number:	Description:
380460	Genitalia, Blank-Adult Male
380471	Plug, Belly plate-Adult
380475	Pin, Pelvis
380600	Leg Assembly, Left Adult
380650	Leg Assembly, Right Adult
380800	Arm Assembly, Left Plain Adult
380801	Hand, Left Adult Male
381401	Arm, Upper Right Adult Male
381402	Pad Assembly, Deltoid Injection Adult
300-00150	Pad Assembly, Thigh Adult Injection
300-00250	Pad Assembly, Ventral Gluteal Injection Adult Male
300-00350	Pad Assembly, Gluteal Injection Adult Male
300-00450	Valve/Clamp Set, Anal Adult Hosp Urin/Anal CVK
300-00550	Valve/Clamp Set, Urinary Hosp Adult
300-00650	Lubricant, Manikin-4 oz Bottle W/Sprayer
300-00850	Plug, Tracheostomy
300-01350	Reservoir Assembly, Stomach- Hosp Adult Male
300-02150	Belly plate Assembly, Hosp 3 Hole Adult
300-02250	Reservoir Assembly, Colon Hosp Adult
300-02350	Forearm, Right Adult Male
300-02450	Pad, Forearm Right Non-Injection Adult Male
300-02550	Hand, Right Adult Male
300-02650	Arm, Upper Left Adult Male
300-02750	Forearm, Left Adult Male
300-02850	Pad, Forearm Left Non-Injection Adult Male
300-02950	Thigh, Right Adult
300-03050	Leg, Lower Right Adult
300-03150	Foot, Right Adult
300-03250	Thigh, Left Adult

300-03350	Leg, Lower Left Adult
300-03450	Foot, Left Adult
300-03850	Genitalia Assembly, Adult
Male	
300-03950	Genitalia Assembly, Adult
	Female
300-04050	Pad Assembly, Right
Forearm	IV
300-04150	Pad Assembly, Left
Forearm IV	
300-04250	Hardware Set, Adult
Manikin-	Legs/Arms to Body
300-04350	Hardware Set, Adult
Manikin-	Pelvis/Torso
300-04850	Gown, Hospital-Back Tie
300-04950	Stoma, Soft Style W/Thru
	Hole
300-05150	Arm Assembly, Left Plain
	Adult
300-10250	Chest plate, Hospital Plain
	Adult Male
301-00150	Head Assembly, Hard
	w/Trach Opening Adult
Male	

Please contact Customer Service Representatives for more information on Replacement Parts in other skin tones

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Document #1001627 rev. A
June 26, 2003

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