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A GOOD STARTING POINT...

Take a look at our Paracentesis Trainer video

Visit the website or YouTube channel

limbsandthings.com

youtube.com/limbsandthings

This trainer fulfills the fundamental component of core medical training in diagnostic and therapeutic techniques of Paracentesis, for both landmark or ultrasound guided techniques.

Trainees are able to identify the echogenic anatomy enabling them to learn how to safely insert a needle or catheter into the peritoneal cavity.

SKILLS

- Familiarity with abdominal regions and underlying anatomy
- Palpation of bony landmarks
- · Identification of excess fluid
- Through ultrasound, safe needle/catheter insertion sites
- Insertion of needle into peritoneal cavity for therapeutic or diagnostic purposes
- Professional-to-patient communication

FEATURES

Landmark or ultrasound techniques can be practiced (side by side)

60104

- Internal echogenic anatomy to allow recognition of landmarks under ultrasound
- Two 3.5 I chambers can be filled with water
- Self-sealing pads, withstanding up to 200 needle or up to 100 catheter insertions
- Realistic tissue and needle response
- Ability to insert and remove a drain
- Cost effective consumable pads
- Latex free

• 60101 Paracentesis Skin PACKAGE • 60102 Paracentesis Pads (x2) • 60103 Paracentesis Liver SUPPLIED • 60104 Paracentesis Spleen • 60105 Paracentesis Bowel Insert (x2) • 60106 Paracentesis Floating Bowel (x2) • 60107 Paracentesis Clamping Frame (x2) • 60108 Paracentesis Large Volume Refill System Base Unit Funnel Carry Case 60101 60107 60108 60106 60103 60105

60102

SAFETY & CLEANING INSTRUCTIONS



READ THE SAFETY INSTRUCTIONS CAREFULLY BEFORE USING YOUR PARACENTESIS TRAINER

- 1. Follow all instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Do not install near any heat sources, do not expose the product to flames or use near naked flame sources.
- 5. Only use attachments/accessories specified by the manufacturer.
- 6. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged.
- 7. Never use the product outdoors as this may damage the product.
- 8. Do not disassemble the product or attempt to repair a faulty unit, please return the product to Limbs & Things for assessment and repair.
- 9. Clean the product with a damp soft cloth or sponge, using only warm water with mild detergent.
- 10. Do not use flammable solvents near or on this product.
- 11. Do not allow young children to use this product.

DO NOT USE THE PARACENTESIS TRAINER IF:

- The Torso is not assembled correctly
- The skin or organs are torn or not properly fitted
- There is fluid leakage in or on to the product
- There are unusual sounds indicating air leakage

STORAGE AND TRANSPORTATION

The trainer and its accessories are heavy when packed in the carrying case. Always ensure that the products are properly packed and secured during transportation and storage in order to prevent personal injury or damage to the product.

This product is heavy once full of water in both chambers (additional 7 litres in weight).

SET UP



For Ultrasound guided Paracentesis:

As above plus:



Remove skin and un-screw the two frames



Add or remove internal anatomy



ADDING/REMOVING INTERNAL ANATOMY



Bowels should be located in the trainer before liver or spleen

FITTING THE BOWEL

Line up the two holes on the bottom of the bowel with the two plugs located on the bottom of each reservoir

FITTING FLOATING BOWEL TO THE BOWEL

Plug the Floating Bowel into one of the three holes in the bowel







Push down to secure in place

Liver

FITTING THE LIVER

Locate on right hand side of the torso

Line up the hole on the Liver with the plug on the upper left of the torso. Push until located









Spleen

FITTING THE SPLEEN

Locate on left hand side of the torso and follow the same steps as fitting the Liver



FITTING THE PARACENTESIS PADS

Locate the flange within the detached frame and make sure notches line up and push pad through the frame





Attach the frame to the torso. The text on frame should be at the apex of the belly



Add retaining knobs and tighten



The pad is now in place



The retaining knobs need to be securely fastened to avoid leakage



ADDING THE ASCITES FLUID (WATER)

Place the torso in the standing position



At the back of the model ensure that both clamps are closed



Unscrew the reservoir cap to the reservoir you wish to fill



Add funnel and pour in water



Each reservoir can take up to 3.5 litres of fluid at any one time. We recommend even for diagnostic training the reservoir is kept full



We recommend filling the trainer where it will be used as it will be heavy to move

Lie trainer on the back and add skin



Secure the skin with the 2 pegs on each side



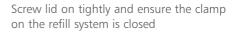
USING THE LARGE VOLUME REFILL SYSTEM



Unscrew the lid (holding the lid and rotating the bottle to avoid tangling of the tubes)



Fill with water to the rim of the container. The container should be over half full at all times







Connect to the reservoir connector on the top of the trainer



Release clamps on fluid refill system



Squeeze the hand pump 4 times to create fluid behind the pad



The pad will bulge slightly and feel firm to the touch. A further 2 - 4 pumps may be needed if the pad is still not firm



Once filled, close the clamp on the fluid refill system. The trainer is ready to use



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Do not over pump. If over-pumped, leakage from the pad may occur. To prevent this, open the clamp on the fluid refill system and release the valve on the hand pump to release pressure

USE OF THE PADS



SHELF LIFE OF THE PADS



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The shelf life can be seen on the bottom of each pad. Performance of the pad could be reduced after this date

DIAGNOSTIC PROCEDURES

Ensure you have a kidney dish below the pad

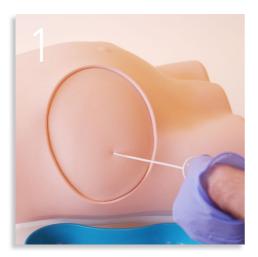


Insert the needle, you should feel it pass through the peritoneum, then remove fluid



THERAPEUTIC PROCEDURES

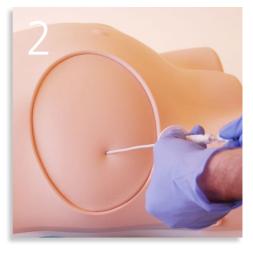
Ensure you have a kidney dish below the pad Insert the catheter into the Paracentesis Pad



Once the catheter is inserted, remove the needle while still advancing the catheter into the model



Push forward the fringe whilst holding still the oval ring of the catheter. Ensure all of the holes on the tip of the catheter are inserted into the model



Once the catheter is fully inserted, remove the needle completely. The fluid (water) will then begin to drain from the model



ULTRASOUND PROCEDURE

Ensure a curved probe is being used Apply ultrasound gel to the probe and Paracentesis Pad





Navigate around the Paracentesis Pad with the curved probe



The underlying anatomy of the model will display on the ultrasound machine



CLEANING AND STORAGE AFTER USE

Release the connection between the trainer and the fluid-refill system



Take trainer to a sink area or drain into a jug or jerry can. Remove skin and unclip the clamp to allow fluid to drain out



Remove bottle top to prevent pads from sucking in



When complete remove the pads by un-screwing the retaining knobs



Wipe out with a dry cloth the internal cavity and organs, as well as the pad itself. Allow the trainer to air-dry over night before returning to storage

PARACENTESIS TRAINER



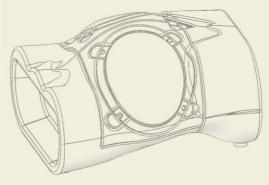
Built on the knowledge and experience gained in the design of the Chest Drain Trainer, there was a clear opportunity for a Paracentesis model which was reasonably priced, tailored exactly to the teaching requirements and easy to set up.

I feel confident we've achieved this and hope our customers agree!

Matt Pilston R&D Project Manager









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