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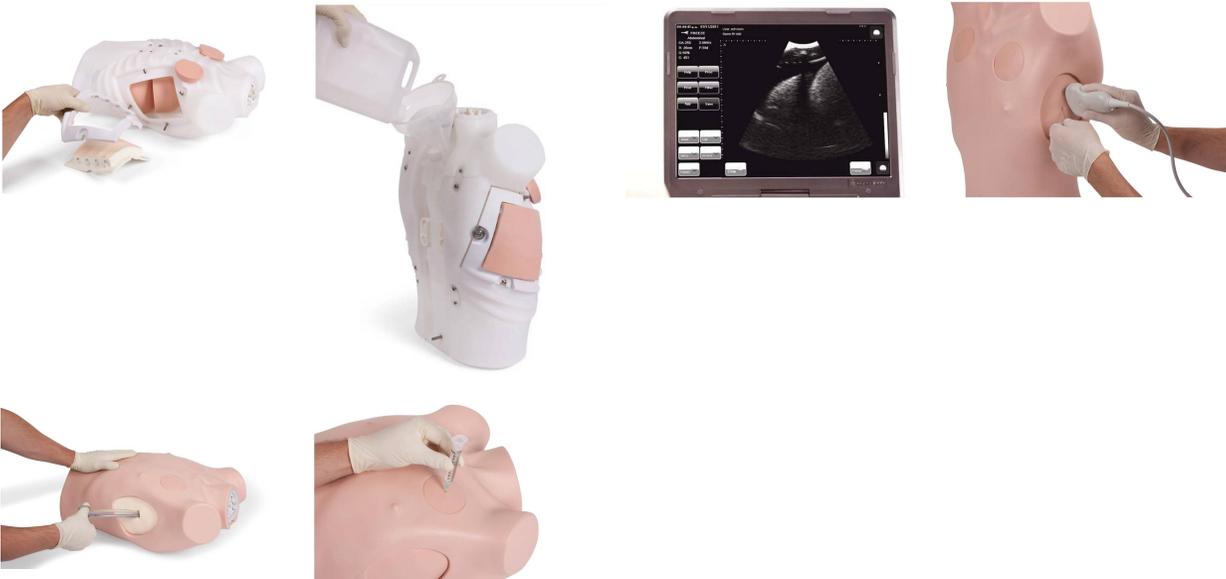
## Chest Drain & Needle Decompression Trainer, Light

**Item No.** ALT60230  
**Weight**  
**Make:** Adam, Rouilly Limited, UK

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**SKU:**

**Categories:** Clinical Skills Trainers



### Product Description

Limbs & Things' Chest Drain & Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals. The trainer is also approved for use on ATLS V10 courses, with needle decompression possible at the 2nd, 4th and 5th intercostal spaces.

## Skills

- Needle decompression/ needle thoracostomy of a tension pneumothorax at both the 2<sup>nd</sup> and 5<sup>th</sup> intercostal space
- Ultrasound guided chest tube insertion, also known as the Seldinger Technique, including insertion of the needle into the pleural space under direct vision and ultrasonic recognition of chest structures
- Open or cut-down chest tube insertion, including recognition of correct position, surgical incision, blunt dissection through the chest wall, perforation of pleura and finger sweep
- Suturing of the tube to the chest wall
- Use of a chest drain, including using with an underwater seal

## Features

- This product is the ideal simulator to deliver training in both surgical and guide-wire assisted thoracostomy and thoracentesis, chest drainage and needle decompression techniques
- Chest tube insertion is possible on both types of pad, with the Advanced model's eco-lucent material allowing practice of Seldinger's ultrasound technique
- Augmented Reality is now an integral part of Chest Drain training
- The new ART Mats combine real world MRI and CT scan data, with the skills of talented medical artists and digital creators, to bring the internal anatomy of our trainers to life
- Within the Limbs & Things ART app's digital environment, you can move around your task trainer and view various overlays, including:
  - Musculature
  - Organs and vessels
  - Skeletal structure
- The interface allows you to move seamlessly between the layers, as well as view their cross sections
- Students are also able to view digital procedures in the AR environment to see how the procedure is done, and its impact on the patient's anatomy
- Needle Decompression Pads, located on the midclavicular lines, are used for the management of tension pneumothorax and produce a realistic "hiss" of air releasing
- A saline filled syringe can also be used to observe bubbles of gas releasing from the chest cavity
- Standard pads included in this Trainer come backed with a "pleural layer" that offers a realistic "pop" on insertion of finger or forceps into the pleural space
- These foam pads are suitable for use with adhesive dressings, and sutures can be applied to secure the chest tube

- Advanced pads can be used with mock fluids to simulate pleural effusions or hemothorax when using ultrasound guided techniques
- The locking mechanism included in the Trainer gives a firm seal against leakage, and the silicone skin self-seals after needle and guide-wire insertions (stress-tested under lab conditions for repeated usage)
- Using the black pump provided, chest decompression sites can be recharge with air for repeated practice scenarios
- The blue Respiratory Swing pump enables the trainer to simulate movement within the liquid of the chest cavity when using ultrasound guided procedures
- NEW: Augmented Reality capabilities with the ART Mat
- Approved for use in ATLS V10 courses
- Reservoirs in the rear of the model can be filled with fluid or mock blood to represent pleural effusion
- Needle decompression air reservoirs provide realistic releases of air on insertion of needle
- Anatomically accurate representation of an adult male torso with raised arms
- Standard Pads have a Pleural Layer which has realistic give and “pop” when puncturing with forceps or finger
- Combined use of the Advanced Pads and the chest reservoirs allows for the simulation of pleural effusion
- Able to perform the Seldinger Technique
- Trainer can be used in a sitting or supine position
- Anatomy:
  - Adult male torso with raised arms
  - Internal landmarks: ribs, lung and diaphragm

## Includes

- 60132 ART Mat for Chest
- 60231 Needle Decompression Pads, Light (Pack of 2)
- 60232 Advanced Chest Drain Pads, Light (Pack of 2)
- 60234 Standard Chest Drain Pads, Light (Pack of 2)
- 60235 Chest Drain Rib Frame (Left)
- 60237 Chest Drain Rib Frame (Right)
- 60240 Chest Drain Ribs (Pack of 12)
- 60238 Chest Drain Lung
- 60239 Chest Drain Diaphragm
- 60248 Chest Drain Skin, Light
- 60246 Chest Drain Pump: Needle Decompression
- 60247 Chest Drain Pump: Respiratory Swing
- 12 piece Slotted Retaining Knobs set with tightening key

- Torso
- Carrying case

## **Cleaning & Safety**

- Clean the product with a damp soft cloth or sponge, using warm water with mild detergent
- Always drain, clean and dry after use to ensure that the trainer remains in good condition
- This product is latex free
- Product must be stored dry
- Trainer & accessories are heavy when packed in carrying case, take care when transporting
- Standard Chest Drain Pads are not suitable for use with liquids

## **Manufacturer**

Limbs & Things