



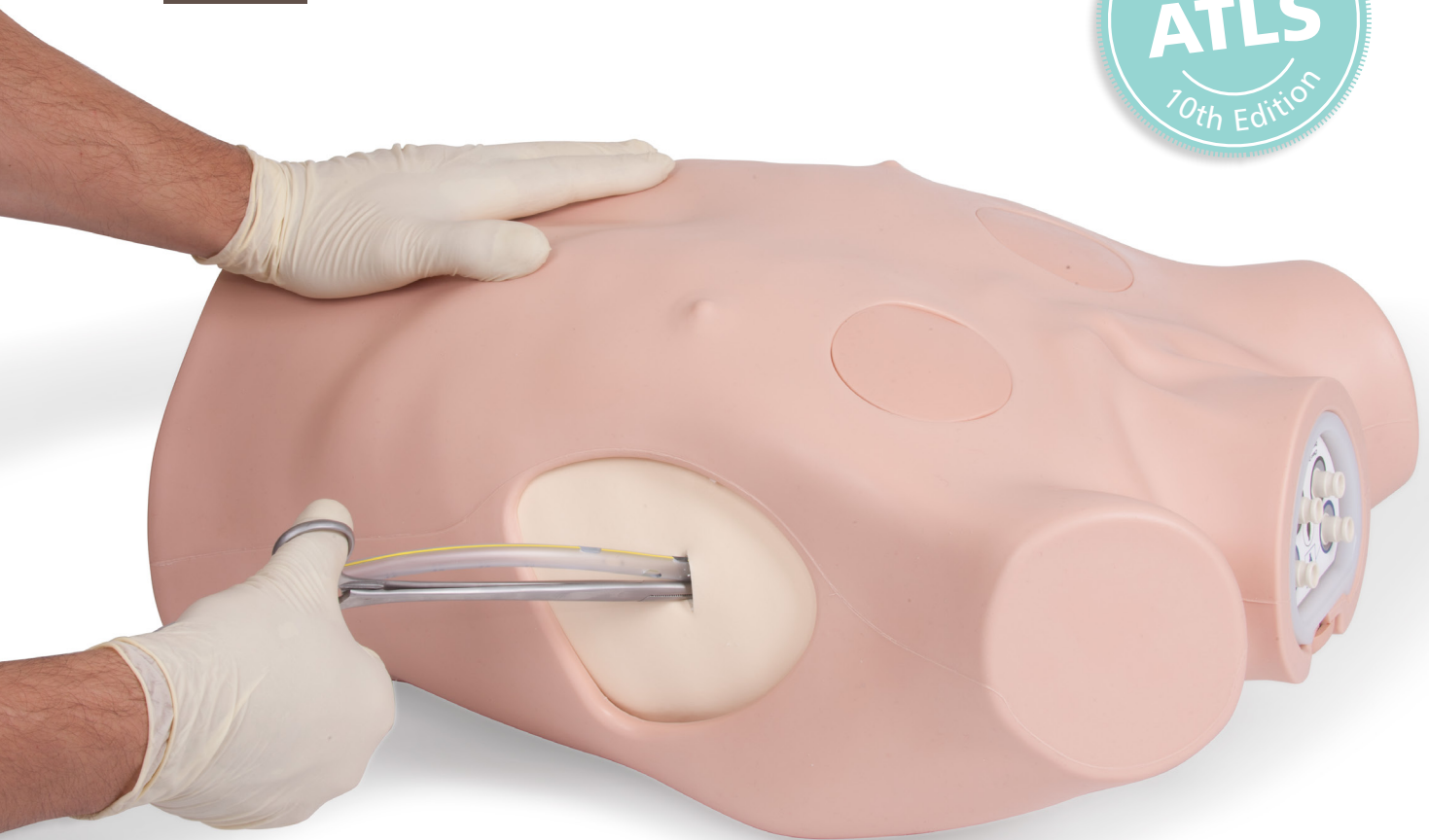
CHEST DRAIN & NEEDLE DECOMPRESSION TRAINER

Our Chest Drain and Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals training in surgical or guidewire-assisted thoracostomy and thoracentesis.

This product allows for a variety of chest drain insertion techniques to be performed including ultrasound-guided techniques.

60230 LIGHT

61230 DARK



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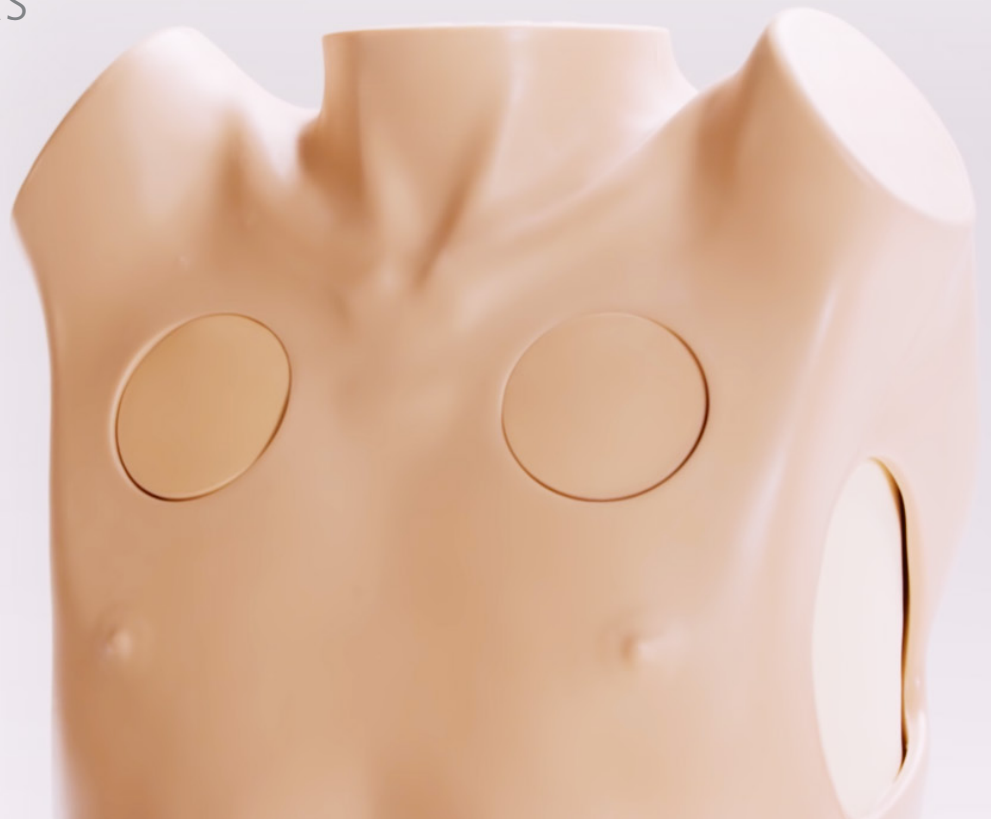
A COST EFFECTIVE SOLUTION FOR THE ATLS 10TH EDITION COURSE FROM THE AMERICAN COLLEGE OF SURGEONS

The Chest Drain & Needle Decompression Trainer has been designed to meet the specific requirements of healthcare professionals training in surgical or guidewire assisted thoracostomy and thoracentesis.

This product allows for a variety of chest drain insertion techniques to be performed including ultrasound-guided techniques.

TESTED BY LEADING ATLS EDUCATORS

- 1 *Blunt dissection*
- 2 *Chest tube insertion*
- 3 *Seldinger technique*
- 4 *Internal anatomy visible under ultrasound*
- 5 *Realistic needle decompression*



PRODUCT QUALITIES

ANATOMY

- Representation of adult male thorax with arms raised
- Bony and soft tissue landmarks: manubriosternal joint, clavicles, ribs, pectoralis major and latissimus dorsi
- Internal ultrasound anatomy: diaphragmatic structures and collapsed lung

REALISM

- Can give the impression of breathing under ultrasound when using the advanced pad
- Needle decompression air reservoirs provide realistic release of air on insertion of needle

KEY FEATURES

- Reservoirs can be filled with fluid or mock blood to represent pleural effusion
- Bilateral chest drain and needle decompression pads

VERSATILITY

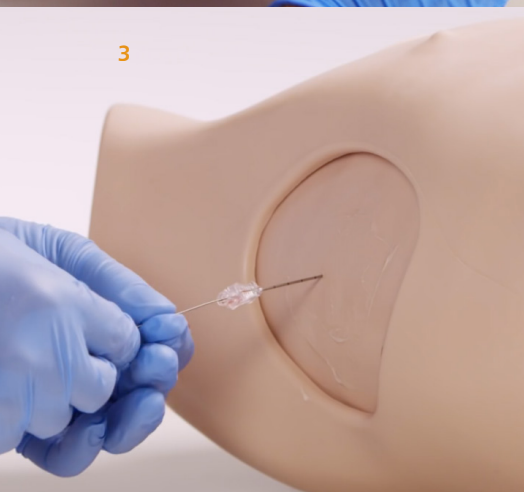
- Suitable for supine, sitting or leaning forwards positions
- Works with thoracic seals when using the standard pad
- Affordable replaceable pads

SAFETY

- Latex free

SKILLS GAINED

- Needle decompression of a tension pneumothorax (at both the 2nd and 5th intercostal space)
- Ultrasound-guided chest drain insertion (Seldinger-type), including insertion of needle under direct vision, and ultrasonic recognition of chest structures
- Open, or cut-down chest drain insertion: recognition of correct position, surgical incision, blunt dissection through chest wall, perforation of pleura, and finger sweep
- Suture of tube to chest wall
- Management of pleural effusion



CURRICULUM REFERENCES

UK

PHYSICIAN ASSOCIATE

NHS National Practitioner Program: Matrix Specification for the Physician Associate (2016, p. 68)

CORE MEDICAL TRAINING

Specialty Training Curriculum for Core Medical Training, 2013, p. 56: Perform chest aspiration and chest drain insertion

GENERAL SURGERY TRAINING

GMC General Surgery Curriculum 2018, p. 67: Technical Skills and Procedures - Chest drain insertion Trauma & Orthopaedics Curriculum 2015 (updated 2018, p. 205)

USA & CANADA

PARAMEDIC

National Association of State EMS Officials: National Model EMS Clinical Guidelines (2016, p. 185): Trauma: If absent or diminished breath sounds in a hypotensive patient, consider tension pneumothorax, perform needle decompression

UNDERGRADUATE MEDICINE

AAMC Recommendations For Clinical Skills Curricula For Undergraduate Medical Education (2005, p. 27): Chest tube insertion

POSTGRADUATE NURSING

Advanced Practice Nursing Procedures (2015, Section six, p. 488 - 491) Margaret R. Colyar: Respiratory procedures: Chest Tubes for Emergency Transport

AUSTRALIA

POSTGRADUATE JUNIOR DOCTORS

RACS Essential Surgical Skills (page 17, Jan 2015): Chest Trauma perform insertion of Chest Tubes and Chest Drains

PARAMEDIC

Emergency management of the unconscious patient, cardiac arrest, asthma, anaphylaxis, burns, narcotic overdose, chest pain, acute cardiogenic pulmonary oedema (ACPO), hypoglycaemia, pain control (using narcotics), seizures, traumatic brain injury, spinal injury, abnormalities of ventilation, neurovascular incidents & hypovolaemia.



PAD FEATURE COMPARISON

WHAT'S INCLUDED

| | ADVANCED | STANDARD |
|--|----------|----------|
| | 60232 | 60234 |
| | 61232 | 61233 |

| | |
|-------|-------|
| 60230 | 61230 |
|-------|-------|

| | ADVANCED | STANDARD |
|-------------------------------|----------|----------|
| • Ultrasoundable | ✓ | × |
| • Use with liquids | ✓ | × |
| • Effusion | ✓ | × |
| • Haemothorax simulation | ✓ | × |
| • Pleural layer | ✓ | ✓ |
| • Blunt dissection | ✓ | ✓ |
| • Seldinger technique | ✓ | × |
| • Can be sutured | ✓ | ✓ |
| • Needle insertion | ✓ | ✓ |
| • Guidewire insertion | ✓ | ✓ |
| • Dilator insertion | ✓ | ✓ |
| • Drain tube insertion | ✓ | ✓ |
| • Use with adhesive dressings | ✓ | ✓ |
| • Shows respiratory swing | ✓ | × |
| • Latex free | ✓ | ✓ |

| |
|--|
| Needle Decompression Pads (x2) |
| Advanced Chest Drain Pads (x2) |
| Standard Chest Drain Pads (x2) |
| Chest Drain Rib Frame (Left) |
| Chest Drain Rib Frame (Right) |
| Chest Drain Lungs (x2) |
| Chest Drain Diaphragms (x2) |
| Chest Drain Ribs (x12) |
| Chest Drain Pump: Respiratory Swing |
| Chest Drain Pump: Needle Decompression |
| Chest Drain Slotted Retaining Knobs |
| Key with keyring |
| Torso |
| Carry case |

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