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 |

Suitable for **ATLS** 10th Edition

Learning has never been more lifelike

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

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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

rib (casting shadow onto lung below)

lung

diaphragmatic structure
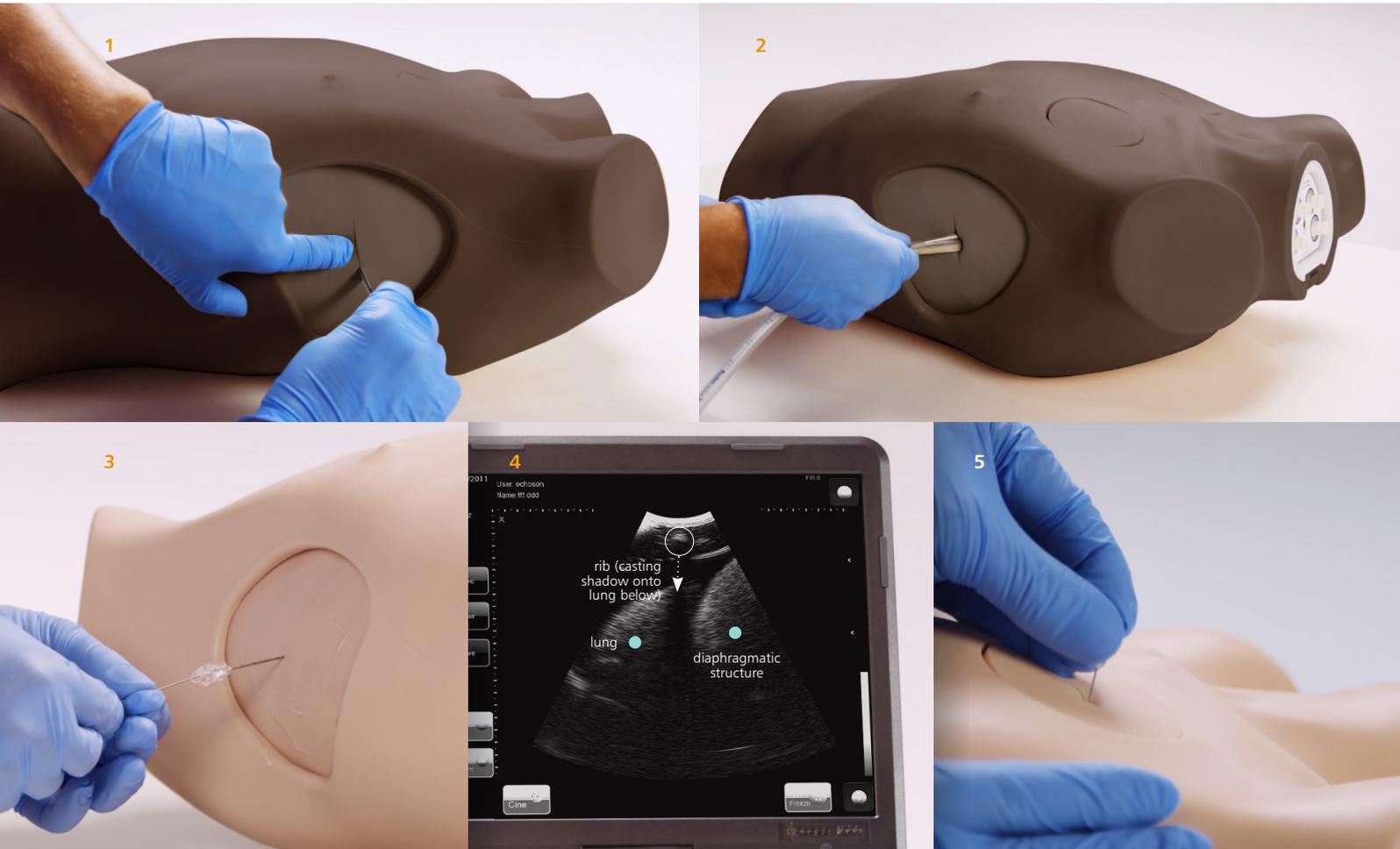
CURRICULUM REFERENCES

NHS National Practitioner Program: Matrix Specification for the Physician Associate 2016 (p.68)
Perform chest aspiration and chest drain insertion

GMC Core Medical Training (p.56)
Perform chest aspiration and chest drain insertion

GMC General Surgery Curriculum (p.67)
Technical Skills and Procedures - Chest drain insertion

Trauma & Orthopaedics Curriculum 2015 (p.204)
Technical Skills and Procedures - Chest Drain insertion

Cardiothoracic Surgery Curriculum 2014 (p.43)
Technical Skills and Procedures - Chest Drain insertion

Paramedics - College of Paramedics, Paramedic Curriculum Guidance (3rd Edition Revised 2017)
Section C: Pre-Registration Curriculum for Paramedic Development

PAD FEATURE COMPARISON

	ADVANCED	STANDARD
	60232	60234
	61232	61233
• 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	✓	✓

WHAT'S INCLUDED

	60230	61230
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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