

MASTERY LEARNING AND CADAVERIC WORK

An Emergency Medicine Simulation Strategy for Scotland

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THE CHALLENGES

Identified by training leads and historical trainee survey data (2)

CLINICAL PRESSURES

Reduction in "downtime" meaning fewer useful shopfloor, small group or 1:1 teaching opportunities

GEOGRAPHICAL VARIATION

Difficult to provide equitable opportunities to all Scottish HSTs



THE SOLUTION

A national simulation strategy consisting of five skills days. Sim-based mastery learning (SBML) in combination with cadaveric work, immersive simulation and skills workshops. Delivered by skilled EM and specialty faculty

TRAUMA & ORTHOPAEDIC SKILLS

ST3

✓ successful pilot

- Haemorrhage Control Workshop
- Joint manipulation
- Knee Aspiration SBML
- Immersive Trauma Simulation

'Great to liaise with ortho.' 'Excellent course.'
'Teaching mapped to ED curriculum.'

'I got the chance to lead which was so helpful and a great confidence booster.'

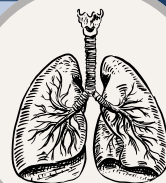


CARDIORESPIRATORY PROCEDURES

ST4-5

📅 Planned

- Open Chest Drain SBML
- Ultrasound-guided Pericardiocentesis SBML
- Non-invasive Ventilation Workshop
- Seldinger Intercostal Drain Insertion SBML



FACIAL TRAUMA

ST4-5

📅 Planned

- Lateral Canthotomy SBML
- Major Facial Haemorrhage
- Facial Nerve Blocks Cadaveric Workshop
- Emergency Front of Neck Access SBML
- Mandible Reduction Workshop



OBSTETRIC AND NEONATAL EMERGENCIES

ST4-5

📅 Planned

- Neonatal Resuscitation Workshop
- Precipitous Labour Workshop
- Resuscitative Hysterotomy SBML
- Obstetric Haemorrhage



CADAVERIC RESUSCITATIVE THORACOTOMY

ST5-6

✓ successful pilot

- Expert-led Cadaveric Resuscitative Thoracotomy Workshop
- Cadaveric Resuscitative Thoracotomy SBML

✓ Learning opportunities maximised by use of cadavars for workshop then closing thorax for SBML session.

✓ Workshop led by experienced cardiothoracic surgeons.

'Maybe unrivalled opportunity to practice'

'Multidisciplinary faculty very useful...'

