

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.'

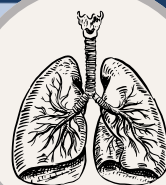


CARDIORESPIRATORY PROCEDURES

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...'



NHS
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