

EMERGENCY MEDICINE MASTERY SKILLS

Simulation Training Strategy for Scottish Higher Specialty Trainees

THE ISSUE

SLO6 - trainees should be able to proficiently deliver key procedural skills needed in Emergency Medicine (1)

THE CHALLENGES

identified by regional and department 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 integrated training programme consisting of five skills days incorporating sim-based mastery learning (SBML), immersive simulation and skills workshops spanning all HST years delivered by skilled EM and expert faculty

TRAUMA & ORTHOPAEDIC SKILLS

ST3



- Haemorrhage Control Workshop • Joint manipulation •
- Large Joint Aspiration **SBML** • Immersive Trauma Simulation •
- Colles # Manipulation / Back Slab • Splint / Tourniquet Application •



- Ultrasound-guided Pericardiocentesis **SBML** •

- Non-invasive Ventilation Workshop • Seldinger Intercostal Drain Insertion **SBML** •

- Open Chest Drain **SBML** •

CARDIORESPIRATORY PROCEDURES

ST4-5



FACIAL TRAUMA

ST4-5



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

- Resuscitative Hysterotomy **SBML** • Obstetric Haemorrhage •

- Neonatal Resuscitation Workshop • Precipitous Labour Workshop •

OBSTETRIC AND NEONATAL EMERGENCIES

ST4-5



CADAVERIC RESUSCITATIVE THORACOTOMY

ST5-6



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



Dr Laura McGregor - Emergency Medicine Consultant NHS Lanarkshire; Associate Postgraduate Dean for Simulation

Dr Kate Mitchell - ST6 Emergency Medicine; Medical Education Fellow NHS Lothian

Dr Ben Clarke - ST5 Emergency Medicine and Critical Care

Dr Josh Shaw - ST4 Emergency Medicine; Simulation Fellow NHS Forth Valley

