



Testing a New National Simulation Strategy for Emergency Medicine in Scotland.

Dr Jennifer L Wood 1, Dr Laura McGregor 2, Dr Ben Clarke 3, Dr Josh Shaw 4, Dr Kate Mitchell 5

1. Medical Education Fellow NHS Lothian, 2. Emergency Medicine Consultant NHS Lanarkshire, Associate Postgraduate Dean for Simulation, 3.ST6 Emergency Medicine and ICM, 4.ST4 Emergency Medicine; Simulation Fellow NHS Forth Valley, 5. ST6 Emergency Medicine.

Challenge:

- **Difficulty providing equitable training opportunities to all higher specialty trainees based on location**
- **Increasing system pressures reducing opportunities for informal teaching in the ED, with a marked negative effect on key procedural skill acquisition**
- **Scottish trainees have the lowest number of available weekly teaching opportunities compared to the other devolved nations.(1)**

Solution:

- **National simulation strategy consisting of six Sim-Based Mastery Learning (SBML) days including cadaveric work, immersive scenarios and procedural workshops. Each SBML day hosted in a different Scottish region.**
- **Mapped to RCEM 2021 curriculum SLO 6 : Proficiently deliver key procedural skills needed in Emergency Medicine. (2)**
- **Delivered by Emergency Medicine and Specialist faculty members, with opportunities for trainees and students to develop educational experience.**



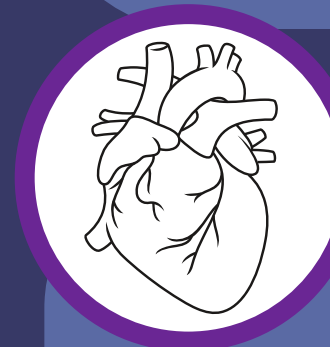
POCUS Training Day

ST3 **Planned**
Collaboration with St Andrews University

- Physics - Knobology - Governance
- IV access - AAA assessment - Fascioiliac Block
- eFAST

Mapped to RCEM 2021 USS curriculum.

NeedleTrainer for high fidelity Simulation.



Cardiorespiratory Procedures

ST4-5 **Successful Sim**
St Johns Hospital, NHS Lothian

- Open chest drain **SBML** - Ultrasound-guided Pericardiocentesis **SBML** - Non-invasive Ventilation Workshop - Seldinger Intercostal Drain Insertion **SBML**

“Excellent faculty and teaching material.”

“I got more practice and learned new fixation methods.”



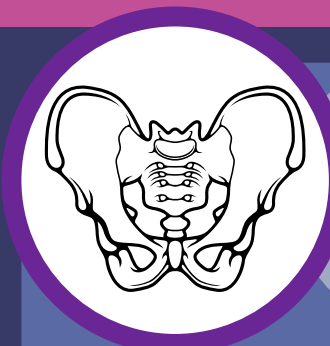
Obstetric and Neonatal Emergencies

ST5-6 **Successful Sim**
with SMMDP at Suttie Centre University of Aberdeen

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

“More confident and mentally prepared”

“Much more prepared to perform a resuscitative hysterotomy”



Trauma & Orthopedic Skills

ST3 **Successful Sim**
Forth Valley National Simulation Centre

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

“Good precourse learning, and practical station.”

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

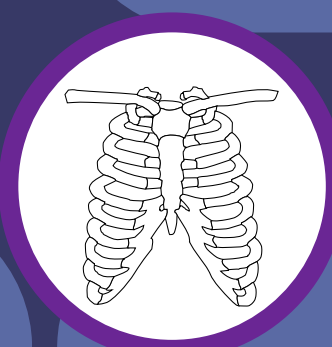


Head, Neck & Facial Trauma Skills

ST4-5 **Planned**
CASC University of Glasgow & RCPSG

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

Five Themed Cadaveric Lab Skills Acquisition
Small group teaching with Specialist Consultant 1:1.
Combination of didactic practical skills training and advanced equipment familiarisation.



Cadaveric Resuscitative Thoracotomy

ST5-6 **Successful Sim**
CASC University of Glasgow & RCPSG

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

“Maybe unrivaled opportunity to practice”

“Multidisciplinary faculty very useful”



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