



Newcastle Intensive Care Ultrasound Day 1 (FICE+)

Registration (08.00 - 08.30)

- Welcome. Orientation to venue, program & faculty
- Principles of medical ultrasound, machine functions & button use
- Basic cardiac ultrasound: Point of care echocardiography scanning
- **First scan session:** Echo windows and image optimisation

Coffee & refreshment break (~10.15)

- Left ventricle: Size & systolic function assessment
- Right ventricle: Size & systolic function assessment
- IVC: Measurement, estimating right atrial pressure, pathology seen
- **Second scan session:** LV/ RV assessment & IVC views (+revisit)

Lunch & refreshment break (~12.30)

- Pericardium, effusion & cardiac tamponade
- Hypovolaemia and fluid overload. Includes lung bases for effusions
- **Third scan session:** Pericardium, lung bases, volume assessment (+revisit)

Coffee & refreshment break (~14.45)

- FICE patient assessment - 6 step process & haemodynamic states
- **Fourth scan session:** FICE assessment & haemodynamic states (+ revisit)
- FICE accreditation: The process, logbook, mentors etc.
- Echo in cardiac arrest & peri-arrest circumstances*

Close (~17.30)

*Non-FICE compulsory



Newcastle Intensive Care Ultrasound

Day 2 CUSIC

Registration (08.00 – 08.30)

- CUSIC: Core ultrasound intensive care: modular training in POCUS

Lung ultrasound

- Lung ultrasound: Probes and positions, artifacts and the 'normal' chest
- Pneumothorax
 - The interstitial syndrome
- **First scan session:** Lung ultrasound, BLU points, Normal chest & anterior chest pathology

Coffee & refreshments (~10.15)

- Consolidation & atelectasis
 - Pleural effusion
- **Second scan session:** Dependent pathology & optimal drainage sites

Lunch & refreshment break (~12.30)

Abdominal ultrasound

- Right upper quadrant, left upper quadrant, epigastrium and pelvis
- Free peritoneal fluid, abdominal trauma, ascites and safe paracentesis
- **Third scan session:** Abdomen, ascites, paracentesis

Coffee & refreshments (~14.30)

Vascular ultrasound

- Vascular access with ultrasound guidance: Newer techniques, tips for teaching
- 4-point deep vein thrombosis (DVT) scanning
- **Fourth scan session:** Vascular & DVT scanning

CUSIC standards

- Registration, logbooks, mentors and supervisors, governance, maintenance & infection control

Close (~17.00)

(Feedback and certificates)

www.nicus.org