

1 Ultrasound based

- 1: Focused ultrasound, *Marcus Peck and Peter MacNaughton*
- 2: Physics of Ultrasound, *Ben Reddi and Nick Fletcher*
- 3: Image Optimisation, *Carlos Corredor and Nick Fletcher*
- 4: Artefacts, *Russell Barber and Nick Fletcher*

2 Structure based

- 5: Transthoracic echocardiography, sonoanatomy and standard views, *Conn Russell*
- 6: Transoesophageal echocardiography, sonoanatomy and standard views, *Nick Fletcher*
- 7: Left Ventricular Assessment, *Marcus Peck*
- 8: Right Ventricular Assessment, *David Hendron*
- 9: Atrial Assessment, *Paul Diprose*
- 10: Pericardial Assessment, *Shirjel Alam and Michael Gillies*
- 11: Aortic Valve Assessment, *Marcus Peck Michaela Scheuermann-Freestone and*
- 12: Mitral Valve Assessment, *Thomas Clark and Stefanie Bruemmer-Smith*
- 13: Intravascular volume and cardiac output assessment, *Prashant Parulekar and Tim Harris*
- 14: Lung ultrasound, sonoanatomy and standard views, *Ashley Miller*
- 15: Pleural assessment, *Jennie Stephens*
- 16: Lung assessment, *Andrew Walden*
- 17: Aortic assessment, *Thomas Clark and Peter Macnaughton*
- 18: Vascular Assessment, *Colin Bigham*
- 19: Abdominal assessment, *Justin Kirk-Bayley and James Doyle*

3 Problem based

- 20: Haemodynamic instability, *Lewis Gray and Craig Morris*
- 21: Cardiac arrest, *Gajen Sunthar Kanaganayagam, Andrew Constantine, and Susanna Price*
- 22: Dyspnea and hypoxaemia, *Ashley Miller*
- 23: Failure to wean from mechanical ventilation, *Andrew Walden*
- 24: Trauma, *Justin Kirk-Bayley and James Doyle*
- 25: Advanced echocardiography: Sepsis, *Susanna Price and Guido Tavazzi*
- 26: Acute kidney injury, *Alex Harrison*
- 27: Acute Respiratory Distress Syndrome, *Kelly Victor, Justin Kirk-Bayley, and Nicholas Ioannou*

4 Procedure based

- 28: Vascular access, *Ahmed Labib and Andrew R Bodenham*
- 29: Percutaneous tracheostomy, *Ahmed Labib and Andrew R Bodenham*
- 30: Pleural drainage, *Jennie Stephens*
- 31: Pericardial drainage, *Shirjel Alam and Michael Gillies*
- 32: Paracentesis, *David Ashton-Cleary*
- 33: Lumbar Puncture, *Paul Margetts*
- 34: Governance in point of care ultrasound, *Peter MacNaughton and Marcus Peck*