Day 1 Ultrasound Program (Thurs 27th Feb)

* 0800 Registration
* 0830 Introduction and learning objectives
* 0835 The clinical utility of ultrasound for thoracic physicians
* 0850 Anatomy for pleural interventions
* 0910 Basic principles and physics of ultrasound
* 0930 Live Demo: Probe manipulation – optimising images

***0950 Scanning session 1 -*** *3 rotations, 75 min in total*

* Station 1: Normal 1
* Station 2: Normal 2
* Station 3: Normal 3
* Station 4: Normal 4
* Station 5: Normal 5
* Station 6: Normal 6
* Station 7 Normal 7

**1105 Morning tea and trade display**

1130 Thoracic US – lung pathology, effusions, pleural masses, consolidation

1150 US in the ED – Point of care US to help with the breathless patient

***1215 Scanning session 2 -*** *3 rotations, 75 min in total*

* Station 1: Patient 1 (25min)
* Station 2: Patient 2 (25min)
* Station 3: Patient 3 (25min)
* Station 4: Patient 4 (25min)
* Station 5: Patient 5 (25min)
* Station 6: Patient 6 (25min)
* Station 7: Patient 7 (25min)

**1330 Lunch and trade display**

***1420 Scanning session 3***

* *Parallel stations, 3 rotations, 75 min in total, 4 participants in each group.*
  + Station 1: Real time guidance - gel and vascular models
  + Station 2: Imaging fluid in pig and Blue Phantom models
  + Station 3: Pleural sliding/acute interstitial syndrome and pneumothorax
  + Station 4: Real time guidance - gel and vascular models
  + Station 5: Imaging fluid in pig and Blue Phantom models
  + Station 6: Pleural sliding/acute interstitial syndrome and pneumothorax
  + Station 7: Imaging fluid in LimbsandThings [real time guidance last group]

1535 Precautions, limitations and training requirements

1550 Course practical assessment (UG-STAT) -

1550 UG-STAT picture quiz

1715 US day summation and feedback

1730 Conclusion of day

Day 2 - Bronchoscopy Program (Friday 28th Feb)

* 0830 Formal welcome and outline
* 0835 Historical perspective and the role of modern bronchoscopy and indications
* 0850 Anatomy of the tracheobronchial tree
* 0910 Inspection of the tracheobronchial tree
* 0930Obtaining optimal samples
* 0950 Sedation – principles/pharmacology of sedative drugs
* 1010 Safety, checklists and managing complications
* 1030 Morning tea and trade display

1100 **Practical session rotation 2 x 50mins (groups of 6)**

**Station 1:** *Bronchoscopy skills and tissue sampling – how to make a slide. How to interpret*

*(Alvin /Ben Ng; 1 cytopathologist)*

**Station 2:** *Role play and discussions (Jono/Archit)*

1. Informed consent checklist
2. Procedural pause and patient safety checklist
3. Practical approach checklist

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**Station 3:** *Hand eye coordination skills, bronchoscope manipulation, anatomy*

*The “Step by Step Approach”*

*(Sarika/Julia/Charles/bronch nurse)*

Objective. - muscle memory/airway anaomyt/how to draw an airway diagram

**Station 4:** *Bronchoscopy simulator (Cica/Deepan/Dona/Sam/Sugamya)*

Various scenarios – x2 orsim, phantasim, x2 iPADs

**Station 5:** *High fidelity simulation - managing massive airway bleeding (Taj/Scott/bronch nurse x2)*

1240 Lunch and trade display

1325 **Practical session rotation 3 x 50 mins (continuation from morning session)**

**1600 Post course B-Stat and B-Stat quiz (2 groups to rotate)**

Group 1 does B-Stat quiz in lecture room (45mins)

Group 2 does B-Stats in skills rooms (5 at a time with 3 rotations = 45mins)

Swap, so Group 1 does B-Stats and Group 2 does B-Stat quiz

1600-1615 - 5 subjects

1615-1630 – 5 subjects

1630-1645 – 5 subjects

1645-1700 – 5 subjects

1700-1715 – 5 subjects

1715-1730 – 5 subjects

B-STAT quiz - written multiple choice question and answer session (C Santos/Deepan)

**1730     Course summation, feedback, certificates**