

March 2025

Week 1: 05/03/2025

Location: ED Meeting Room

Theme: Heart "itis"

Chair: Charith De Silva

Time	Hot Topics	Speaker
10:00 – 12:00	<b>Morbidity &amp; Mortality</b>	<b>Herman Chiu, Oli Gaitsgory, Emma Williams</b>
12:00 – 12:15	<b>Journal Club</b> Scholarship and Teaching 1. Critically Appraising and Applying the Evidence TS1.1 – 1.5, TS2.1 – 2.7, TS 3.1 – 3.10, 4.2 – 4.7	<b>Thomas Jackson</b>
12:15 – 12:30	<b>Department Update</b>	<b>Gaby/ Jon</b>
12:30 – 13:00	<b>Break</b>	
13:00 – 13:45	<b>Pericarditis, Myocarditis, Myopericarditis</b> <ul style="list-style-type: none"><li>- How to diagnose</li><li>- Natural progression of the ECG and how we miss it</li><li>- Complications</li><li>- Management</li></ul> Teamwork and Collaboration TS1.9, 3.7, 3.10, 3.11, 3.14 Leadership & Management 5. Mass Casualty Incidents and Disaster Management TS1.1, 2.1, 3.1, 3.2, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6 Medical Expertise 3.20 TS 3.13(e) Prioritisation and Decision Making 2. Clinical Risk TS 1.1, 1.2, 1.4	<b>Sachini Premasiri</b>
13:45 – 15:00	<b>Pericardial Effusions and Tamponade</b> <ul style="list-style-type: none"><li>- Causes (transudative vs exudative vs blood)</li><li>- Draining techniques and when a needle just won't do</li><li>- Diagnosis of Tamponade in the ED and with a magic wand (sonographic appearance)</li><li>- How to with x2 approaches with US guidance in the ED</li><li>- Can we drain anything else first? Thoracic pressure shifts</li></ul> Medical Expertise 2.5 Analysis of Investigations FELS Medical Expertise 3.1 Cardiovascular Presentations 3.1 TS1.1(d) Medical Expertise 3.11 Oncological Presentations 3.11 TS3.3(c) Medical Expertise 3.23 Procedures in Emergency Medicine Breathing – Pleurocentesis, Circulation – Emergency Pericardiocentesis	<b>Jack Tresize</b>

What are we doing?	Why are we doing it?	
<b>Airway</b> <ul style="list-style-type: none"> <li>Laryngoscopy – traditional vs video</li> <li>BVM, airway adjuncts, positioning</li> <li>ICC</li> <li>Lung Ultrasound (PTX, Effusion)</li> <li>Ventilator familiarisation</li> </ul> <b>Scenarios</b>	<u>Medical Expertise</u> <b>2.3 Resuscitation Medicine</b> <ul style="list-style-type: none"> <li>TS1 1.1-1.3, 1.9a/b/c/d/p/q</li> <li>TS2 2.4, 2.7a</li> <li>TS3 3.4, 3.5, 3.16a/c/d/f/q/t/u</li> </ul> <b>3.2 Respiratory Presentations</b> <b>3.23 Procedures in EM</b> <ul style="list-style-type: none"> <li><b>Airway</b> <ul style="list-style-type: none"> <li>Basic airway manoeuvres</li> <li>Insertion of OP/NP airway</li> <li>Insertion of LMA</li> <li>Direct laryngoscopy</li> <li>Video laryngoscopy</li> <li>Securing ETT</li> </ul> </li> <li><b>Breathing</b> <ul style="list-style-type: none"> <li>Use of non-self-inflating bag</li> <li>Setting up transport ventilator</li> <li>Decompression needle/finger thoracostomy</li> <li>Tube thoracostomy</li> </ul> </li> <li><b>Ultrasound</b></li> </ul>	<u>Communication</u> <b>1. Principles of effective communication</b> <ul style="list-style-type: none"> <li>TS1 1.2, 1.4, 1.5</li> <li>TS2 2.1, 2.2</li> <li>TS3 3.1</li> <li>TS4 4.1-4.5</li> </ul> <u>Teamwork and Collaboration</u> <ul style="list-style-type: none"> <li>TS1 1.1-1.7, 1.11-1.15</li> <li>TS2 2.1-2.13</li> <li>TS3 3.1-3.22</li> <li>TS4 4.1-4.15</li> </ul> <u>Leadership and Management</u> <ul style="list-style-type: none"> <li>TS1 1.1-1.4</li> <li>TS2 2.1-2.3</li> <li>TS3 3.4-3.5</li> <li>TS4 4.1-4.3</li> </ul>

Time	Hot Topics	Speaker
10:00 – 11:00	<b>Broad, Fast &amp; Furious</b> <ul style="list-style-type: none"> <li>– Is it VT? Who is likely to have what?</li> <li>– Algorithms to determine SVT vs VT</li> <li>– Sometimes it just doesn't matter</li> <li>– Types of VT</li> <li>– Evidenced based management and treatment options for stable VT</li> <li>– Reaching further into the bag of tricks... Overdrive pacing</li> <li>– What's that magnet thing for?</li> </ul> <p>Medical Expertise 2.3 Resuscitation Medicine 3.16(g, h)  Medical Expertise 2.4 Focused Assessment TS 1.14 (aiii), 3.8(aii)  Medical Expertise 2.5 Analysis of Investigations ECG: Identification of obvious cause of syncope/palpitations, Identification of non-obvious cause of syncope/ palpitations  Medical Expertise 3.1 Cardiovascular Presentations 1.2(b)  Medical Expertise 3.23 DC cardioversion, External Pacing</p>	<b>Emma Bellenger</b>
11:00 – 12:00	<b>Narrow, Fast &amp; Furious</b> <ul style="list-style-type: none"> <li>– Going down the diagnosis algorithm with examples galore</li> <li>– WPW and the importance of finding it</li> <li>– Rate vs rythm control agents and common drug management strategies</li> <li>– Chemical cardioversion (the beauty of flecainide and procainamide)</li> <li>– The left atrial appendage and risk of thrombosis</li> </ul> <p>Medical Expertise 1.4 Pharmacology Antiarrhythmics  Medical Expertise 2.4 Focussed Assessment 1.14(aiii)  Medical Expertise 2.5 Analysis of Investigations ECG: Identification of obvious causes of syncope/palpitations, Identification of other causes of syncope/palpitations, identification of non-obvious cause of syncope/ palpitations  Medical Expertise 3.1 TS1.2(b), 1.3  Medical Expertise 3.4 Neurological Presentations TS 1.3</p>	<b>Ellie Wivell</b>
12:00 – 12:15	<b>Journal Club</b> Scholarship and Teaching 1. Critically Appraising and Applying the Evidence TS1.1 – 1.5, TS2.1 – 2.7, TS 3.1 – 3.10, 4.2 – 4.7	<b>Tristan Henessey</b>
12:15 – 12:30	<b>Department Update</b>	<b>Gaby/Jon</b>
12:30 – 13:00	<b>Break</b>	
14:00 – 15:00	<b>Radiology - Upper limb Xrays and CT's</b> <p>Medical Expertise 2.5 Analysis of Investigations: Extremities – long bones, small bones, clavicles, scapula</p>	<b>Radiologist</b> <b>Richard Woodford</b>
14:00 – 15:00	<b>Paediatrics - SVT</b> <p>Medical Expertise</p>	<b>Paediatrics</b>

**Week 4: 26/03/25****Location: ED Meeting Room****Theme: Hold your breath!****Chair: Abrar Waliuddin**

Time	Hot Topics	Speaker
10:00 – 11:00	<b>Slow Down!</b> <ul style="list-style-type: none"> <li>– Going through the bradyarrhythmia identification algorithm</li> <li>– ECGs galore</li> </ul> Medical Expertise 3.1 Cardiovascular Presentations 1.2(a) Medical Expertise 2.4 Focused Assessment TS2.10(aii, iii)	<b>Ao Liu</b>
11:00 – 12:00	<b>When only your heart rate is rising</b> <ul style="list-style-type: none"> <li>– ANZCOR management guidelines</li> <li>– Medical options, chemical pacing and review of external pacing</li> <li>– Video on how to insert percutaneous temporary pacemaker</li> </ul> Medical Expertise 3.1 Cardiovascular Presentations TS3.2, 3.3, 3.4, 3.5, 3.9	<b>Steven Tan</b>
12:15 – 12:30	<b>Leadership drop in/ Department Update</b>	<b>Jon or Gaby</b>
12:30 – 13:00	<b>Lunch</b>	The Cookie Monster
13:00 – 13:30	<b>The cardiac workup</b> <ul style="list-style-type: none"> <li>– Utility of holter monitors and can we use smart watches?</li> <li>– Stress tests and echocardiograms</li> <li>– Who needs and angiogram</li> </ul> Medical Expertise 2.4 Focused Assessment TS 3.7(d), 4.5  Medical Expertise 2.5 Analysis of Investigations: Cardiac exercise stress test, Stress Thallium/Sestamibi scan	<b>Ud Siriwardhana</b>
13:30 – 14:00	<b>Spot Diagnosis Syncope</b> (ECG of long Qt, brugada, ARVD, WPW, HOCM etc) Medical Expertise 2.4 Focused Assessment TS1.14(aiii), 2.10(aii) Medical Expertise 2.5 Analysis of Investigations: ECG Identification of obvious causes of syncope	<b>Shimaa Gweda</b>
14:00 – 15:00	<b>In-Situ Sim Transcutaneous Pacing and Sedation</b> <b>/ Was it the Pacemaker?</b> <ul style="list-style-type: none"> <li>– Common Pacemaker related presentations from malposition, infection, endocarditis to malfunction</li> <li>– Failure to sense, failure to pace</li> </ul> Medical Expertise 3.1 Cardiovascular Presentations TSTS 2.2, 3.3, 3.9	<b>Abrar Waliuddin/ PPM Tech</b>