

Subject Topic	EdWISE PROGRAM - OUTLINE OF AIRWAY SIMULATION MODULE
<b>Framework Profile</b>	<b>Programme:</b> EdWISE <b>Module A4.1: Challenging situations (Adults)</b>
<b>Associated E-Learning tutorials</b>	<ul style="list-style-type: none"> <li>• Airway management</li> <li>• Trauma Management</li> <li>• Obstetrics Management</li> </ul>
<b>Simulation learning objectives</b>	<ul style="list-style-type: none"> <li>• Preparation and planning in predicted difficult airway management</li> <li>• To recognise potential airway compromise</li> <li>• To co-ordinate team to manage potentially difficult airway situations</li> <li>• To recognise need for senior specialist help early</li> <li>• To manage patients in the context of available resources</li> <li>• Case management: Threatened airway / difficult intubation</li> <li>• Case management: Difficult intubation in pregnant obese woman</li> </ul>
<b>Target Group</b>	Senior medical and nursing staff
<b>Delivery method</b>	Brief power point and facilitated discussion. Two immersive scenarios
<b>Timeframe</b>	60 mins
<b>Resources for session</b>	EdWISE Airway box and extras Black soot for moulage Laminated IMIST AMBO Handover Foam for pregnant abdomen and breasts Hip wedge for under hip (saline or wedge)

This project was possible due to funding made available by Health Workforce Australia

Session Structure - EdWISE PROGRAM – AIRWAY SIMULATION MODULE A4.1		
Timing	Welcome and Introduction	Resource
5 mins	<p><i>Welcome and Introduction</i></p> <ul style="list-style-type: none"> <li>• Provide Housekeeping – Fire Exits, mobile phones on vibrate</li> <li>• Provide a summary of what the workshop will involve and the expectations from the participants</li> <li>• Introduce yourselves - facilitation team, host team and participants. Include experience of cardiac patients</li> </ul> <p><b>If this is not the first module run on that day, the participants are the same and this has been covered previously, then this section can be missed out.</b></p>	<p>Video conferencing unit</p> <p>Enough seats for the participants and arranged in a horseshoe facing the VC unit and camera.</p> <p>Led by the team over VC but with host team supplying information on the fire exits/toilets/etc.</p>
Timing	Main Topic Presentation	
15 mins	<p>PowerPoint presentation about specific situations where airway management can be challenging, importance of being prepared with equipment and drills, effective teamwork and specific problems that might occur. The differences in paediatric airways and the considerations of the pregnant patient.</p>	<p>PowerPoint presentation</p>

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<b>Timing</b>	<b>Familiarisation to Mannequin &amp; equipment</b>	
5 mins	Introduce students to mannequin & capabilities	Local faculty to familiarise the students to the environment/ mannequin/actors. Can use the familiarisation video, to guide the local faculty, if needed.
<b>Timing</b>	<b>Simulation – Scenario 1</b>	
8 mins	<p><b>Participant Briefing</b>            BAT call            50 year old man assaulted and burns from shop fire            GCS 15            BP 140/70            HR 90            RR 22            Sats 98%            ETA 1 minute</p> <p><b>Scenario outline</b>            Jimmy Chu is the owner of a shoe shop who was attacked this morning by a group of thugs. They hit him over the head and neck with a hockey stick and started a fire in the shop before leaving. Jimmy was in the shop for approximately 10 minutes before the firemen and CDA arrived. He was in the thick of smoke and fire. Jimmy has no medical problems or allergies.            On arrival to the ED, Jimmy has a hoarse voice with carbonaceous soot on the face and singed nose hairs. Jimmy has a threatened airway and will require emergent intubation of a potentially difficult intubation.            Consideration given to the other injuries and maintenance of manual C-spine protection is important in this scenario.</p>	

<b>Timing</b>	<b>Debrief – Scenario 1</b>
7 mins	<p>Address and maximum of 3 points * = suggested</p> <p><b>Key clinical issues (Pick a maximum of 2 points * = suggested)</b></p> <p>Preparation and planning in trauma</p> <p>Management of the threatened airway – burns and soft tissue trauma</p> <p>Management of burns – skin and inhalation</p> <p>Teamwork and leadership</p>
<b>Timing</b>	<b>Simulation – Scenario 2</b>
8 mins	<p><b>Participant Briefing</b></p> <p>Queen Latifah, 22 year old woman</p> <p>30 weeks pregnant, POG1</p> <p>Presented with severe hypertension, flashes of vision, headaches, right upper quadrant pain and nausea, ?eclampsia</p> <p>Seizure en route with NSW AmbulanceHR 110, BP 175/110, Sats 95%, Afebrile</p> <p><b>Scenario outline</b></p> <p>Queen Latifah is a nulliparous 22 year old obese woman who is 30 weeks pregnant. She has been sent into the emergency department from the GP as her BP is excessively high 175/110 and she is complaining of a headache, blurred vision and nausea. She had one seizure en route with NSW Ambulance.</p> <p>She has a seizure for 75 seconds (which goes through Phase 1 with facial twitching, then generalised seizure for 60 seconds). She remains very drowsy following the seizure.</p> <p>Her saturations are low and she is not maintaining her airway. She may have aspirated or have pulmonary odema.</p> <p>The team must devise a systematic approach in order to manage and secure the airway of this obese pregnant woman and call for obstetric and anaesthetic help early.</p> <p>She has a seizure for 75 seconds (which goes through Phase 1 with facial twitching, then generalised seizure for 60 seconds). She remains very drowsy following the seizure.</p>

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<b>Timing</b>	<b>Debrief – Scenario 2</b>
7 mins	<p><b>Key clinical issues (Pick a maximum of 2 points * = suggested)</b></p> <p>Management of eclamptic seizures - expected course and management , including investigations (bloods and CTG)</p> <p>Preparation and planning for difficult airway control</p> <p>Airway management, including Rapid Sequence induction in the pregnant patient.</p>
<b>Timing</b>	<b>Summary</b>
5 mins	<ul style="list-style-type: none"> <li>• Assessment of the airway in challenging situations</li> <li>• Importance of organising a team with leadership</li> <li>• Thank the host team and the team at SCSSC</li> </ul>

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