

Subject Topic	EdWISE PROGRAM - OUTLINE OF THE DIFFICULT AIRWAY SIMULATION MODULE
Framework Profile	Programme: EdWISE A4(2): Special Airway Challenges: The Difficult Airway
Associated E-Learning or Webinar tutorials	<ul style="list-style-type: none"> • The Difficult Airway Algorithm • Non-Invasive Ventilation • Basic Ventilator Settings • Surgical Airway
Simulation learning objectives	The difficult airway <ul style="list-style-type: none"> • Difficult Airway Algorithm • Supraglottic rescue • Infraglottic rescue - Surgical Airway
Target Group	Postgraduate nursing and medical staff
Delivery method	An interactive PowerPoint presentation is followed by 2 immersive scenarios allowing the participants to practice elements covered within the presentation.
Timeframe	60 mins
Resources for session	EdWISE Airway box and extras

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

Session Structure - EdWISE PROGRAM – (Module name here e.g. CARDIAC/TRAUMA/OTHER) SIMULATION MODULE (Number of sub-module here e.g. C6/T5/A2)		
Timing	Welcome and Introduction	Resource
5 mins	<p><i>Welcome and Introduction</i></p> <ul style="list-style-type: none"> • Provide Housekeeping – Fire Exits, mobile phones on vibrate • Provide a summary of what the workshop will involve and the expectations from the participants • Introduce yourselves - facilitation team, host team and participants. Include experience of cardiac patients <p>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.</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	
10 mins	<p>This interactive presentation gives an introduction to the concepts of a structured approach to the patient requiring intubation; the difficult ED Rapid Sequence Intubation/Induction and algorithms for can't intubate, CAN ventilate and can't intubate, CAN'T ventilate situations.</p>	<p>PowerPoint presentation</p>
Timing	Familiarisation to Mannequin & equipment	
5 mins	<p>Introduce students to mannequin & capabilities. If the participants have been to previous session then any important properties of the mannequin should be emphasised (ability to intubate and ventilate with bag-valve-mask/LMA/endotracheal tube).</p>	<p>Local faculty to familiarise the students to the environment/ mannequin/actors. Can use the familiarisation video, to guide the local faculty, if needed.</p>

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Timing	Simulation 1	
10 mins	<p>Participant Briefing rison Ford, 44 year old man Presents with increasing shortness of breath and cough, having had a fever for the past 4 days. Past history of stable angina and is a heavy smoker. He has a cannula in situ and is triaged category 2 to the resuscitation bay.</p> <p>Scenario Outline Harrison Ford, 44 year old man, has had pneumonia for a few days. He has deteriorated over this time and on his background of heavy smoking he is starting to decompensate. His oxygenation and carbon dioxide clearance are deteriorating and requires intubation to control his ventilation optimally.</p>	
Timing	Debrief	
7.5 mins	<p>Key clinical issues: Pick a maximum of 2 topics * are suggested topics Preparation for intubation Drugs used and why Can't intubate, CAN ventilate algorithm * What would they do next?</p>	<p>Key non technical issues: Pick a maximum of 2 topics Communication with the team and the patient Situational awareness – clinical picture, team function, can't intubate CAN ventilate situation Response to prompting by Faculty Nurse (if appropriate)</p>

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Timing	Simulation 2	
10 mins	<p>Participant Briefing</p> <p><u>Ambulance Handover</u></p> <p>I – Mickey Rourke, 34 year old man</p> <p>M – Found at home with multiple pills (?which) and alcohol bottles around him with decreased GCS, vomit on floor next to him</p> <p>I – Polypharmacy overdose</p> <p>S – HR 76, BP 100/60, Sats 95%, RR 18, GCS 3</p> <p>T – IV cannula in situ</p> <p>A – Nil known</p> <p>M – Anti-depressants (unclear which)</p> <p>B – Known bipolar disorder</p> <p>O – Well known to the service, usually manic episodes prevail</p> <p>Scenario Outline</p> <p>Mickey Rourke ,34-year-old with a polypharmacy overdose. There is no history of trauma and he is well known to the department for bipolar mental health issues. He requires intubation to protect his airway and provide adequate ventilation. The RSI it turns into a can't intubate CAN'T ventilate situation</p>	
Timing	Debrief	
7.5 mins	<p>Key clinical issues: Pick a maximum of 2. * are suggested topics</p> <p>Preparation for an ED Rapid Sequence Intubation</p> <p>Drugs used for intubation</p> <p>Can't intubate, CAN'T ventilate algorithm *</p> <p>Choice of needle Vs surgical airway *</p>	<p>Key non technical issues: Pick a maximum of 2</p> <p>Communication</p> <p>Role allocation</p> <p>Sources of help with their hospital</p> <p>Situational awareness</p>

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Timing	Summary
5 mins	<p>This session gives an introduction to the difficult intubation/airway in the ED. The focus throughout is the multidisciplinary, team approach to the patient in the ED. Areas introduced to the participants include:</p> <ul style="list-style-type: none">• Difficult Airway Algorithm• Supraglottic rescue• Infraglottic rescue - Surgical Airway

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