

Subject Topic	EdWISE PROGRAM - OUTLINE OF T3: TRAUMA SKILLS
Framework Profile	Programme: EdWISE T3: TRAUMA SKILLS
Associated E-Learning tutorials	<ul style="list-style-type: none"> • C-spine immobilisation • Log Rolling • Stabilisation of the pelvis • Needle thoracocentesis • Intraosseous Insertion – adults and children • Insertion of chest drain and underwater seal drains
Simulation learning objectives	<ul style="list-style-type: none"> • Cervical spine immobilisation • Application of SAM sling or other pelvic sling • Team-based structured approach to the trauma patient
Target Group	Student and early post graduate medical and nursing staff
Delivery method	Pause and discuss workshops
Timeframe	60 mins

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

Resources for session

- Projector screen & computer
- Video conference unit
- Adult mannequin & associated AV equipment
- Adult mannequin
- Cervical collars of various sizes (as used by host site ED)
- I.V cannula with IV fluids and giving sets.
- Pelvic Binder – SAM splint if locally used and sheet with 2 x clamps
- Monitor with appropriate size BP cuffs & ECG leads.
- Airway resuscitation equipment with appropriate size ETTs, LMAs and airway adjuncts.
- Syringes and drawing up needles and drug labels.
- Adult oxygen mask, non-rebreather
- White board and pen x 1
- Thiopentone, midazolam, morphine, ketamine
- Suxamethonium/rocuronium
- Normal saline x 2 1000ml bags + giving sets
- USS scanner (or designated fake)
- Local clinical documentation – resus charts, observation charts etc

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Session Structure - EdWISE PROGRAM –T3: Trauma Skills

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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 trauma patients • EdWISE staff to write down the names of the participants and where they are sitting so that names can be more easily used to engage the participants. 	<p>Video conferencing unit Enough seats for the participants and arranged in a horseshoe facing the VC unit and camera. Led by the team over VC but with host team supplying information on the fire exits/toilets/etc.</p>
Timing	Presentation and Videos	
20 mins	<p>An interactive presentation to support the trauma skills eLearning packages. The presentation focuses on the skills of cervical spine immobilisation and application of the pelvic binder. Within the presentation there are short videos refreshing the participants of the important aspects of cervical spine immobilisation (MILS, sizing and fitting a collar and sandbag placement as required) and application of a pelvic binder or sling. The participants are encouraged to ask questions and seek clarification of any aspects of these skills. The presentation will also cover how pause and discuss simulation sessions are run. This may become relevant during the scenarios.</p>	

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Timing	Familiarisation to Mannequin & equipment	
5 mins	<p>Introduce students to mannequin & capabilities, for this workshop it is important to point out the ability of the manikins to</p> <p>Introduce concept of pause and discuss workshops.</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>

Timing	Simulation	
15 mins	<p>Participant Briefing: BAT call 2 min warning James Dean is a 27 year old ex – IVDU separated from his motorbike at 60 km/hr. GCS 15. His BP is 100/60, HR 135. He is clammy and pale and has a large bruise to both hips. He has refused application of the cervical collar.</p> <p>Scenario Outline: James has a high risk of cervical spine injury and has a fractured pelvis. He is bleeding into his pelvic cavity. He requires a systematic multidisciplinary approach, cervical spine immobilisation and application of a pelvic binder. He gradually deteriorates during the scenario. If logrolled prior to the application of the pelvic sling he will deteriorate even quicker.</p>	
Timing	Debrief	
10 mins	<p>Use the pauses to discuss and review c-spine immobilisation and pelvic binder placement. If using a pause and discuss style of scenario then use the total time of 25 mins to run the scenario, pause, discuss and continue as required. If running as more of an immersive scenario then split the timings as stated here (15 mins for the scenario and 10 mins for the debrief).</p>	

Timing	Summary
5 mins	<ul style="list-style-type: none">• Primary survey• C-spine placement• Pelvic Binder Placement• Using a team approach in trauma

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