

Process for development of SA questions (Wright et al 2004: Objective measures of SA in a simulated medical environment)

Goal Task Analysis (Cardiac)

Key Goal Resuscitation
Sub Goal Primary Stabilisation/Resuscitation (first 8 minutes)
<p>Key Decisions</p> <p>What is the patients' status (observations)?</p> <p>Is assistance required?</p> <p>What is the differential diagnosis?</p> <p>What equipment is required?</p> <p>What responses are required to the observations?</p> <p>How should the patient be</p>

<p style="text-align: center;">SAGAT Queries</p> <p>Physiological Perception</p> <p>What is the BP at the moment?</p> <p>What is the HR at the moment?</p> <p>What is the RR at the moment?</p> <p>Global Situation Perception</p> <p>What's on the patient's wrist?</p> <p>What was on the wall near the patient?</p>

<p style="text-align: center;">SA Requirements</p> <p>Visual assessment (e.g. RR & LOC)?</p> <p>Physiological monitoring (BP, HR, Temp, CRT, SpO²)?</p> <p>Awareness of the need for assistance?</p> <p>Observation/indicators of pain?</p> <p>Awareness of heart rhythm?</p>

Cand. No=

Date =

Situation Awareness

Cardiac

Question	Answer	Right	Wrong
What medications may be required?	2 of- Morphine, Nitrates, Aspirin		
What is the HR at the moment?	140 or 120		
Is the patient adequately oxygenated/sats?	NO - 89% - 93%		
What is on the patient's wrist?	A friendship band		
What investigations may be required?	2 of -12 lead ECG, Bloods (cardiac enzymes), CXR		
What was on the wall near the patient?	Childs drawing		
If condition does not improve, what will happen to the HR initially?	Increase		
What is wrong with the patient	MI		
What is the BP at the moment?	170/95 Or 140/80		
What is the respiratory rate at the moment?	32 or 25		
If condition does not improve, what will happen to the BP initially?	Increase then decrease		

Goal Task Analysis (Shock)

Key Goal Resuscitation
Sub Goal Primary Stabilisation/Resuscitation (first 8 minutes)
Key Decisions What is the patients' status (observations)? Is assistance required? What is the differential diagnosis? What equipment is required? What responses are required to the observations? How should the patient be

SAGAT Queries <u>Physiological Perception</u> What is the BP at the moment? What is the HR at the moment? What is the respiratory rate at the moment? <u>Global Situation Perception</u> Was there water in the glass? Who is pictured in the picture on the bedside locker?
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SA Requirements Visual assessment (e.g. RR & LOC)? Physiological monitoring (BP, HR, Temp, CRT, SpO ₂)? Awareness of the need for assistance? Observation/indicators of pain? Awareness of chest pain?
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Situation Awareness**Shock**

Question	Answer	Right	Wrong
What medications may be required?	Analgesia		
What is the HR at the moment?	130 or 70		
Is the patient adequately oxygenated/sats?	NO - 89% - 93%		
Was there water in the glass on the bedside table?	No		
What investigations may be required?	2 of – blood tests, Ultra sound, ECG		
Who is pictured in the picture on the bedside locker?	A family group.		
If condition does not improve, what will happen to the HR initially?	Increase prior to arrest		
What is wrong with the patient	Hypovolemia – related to internal bleeding ruptured Appendix		
What is the BP at the moment?	75/35 Or 105/75		
What is the respiratory rate at the moment?	25 or 15		
If the condition continues what will happen to the BP?	Drop / Decrease		

Goal Task Analysis (Respiratory)

Key Goal Resuscitation
Sub Goal Primary Stabilisation/Resuscitation (first 8 minutes)
Key Decisions What is the patients' status (observations)? Is assistance required? What is the differential diagnosis? What equipment is required? What responses are required to the observations?

SAGAT Queries <u>Physiological Perception</u> What is the BP at the moment? What is the HR at the moment? What is the respiratory rate at the moment? <u>Global Situation Perception</u> What's on the bedside locker? What is attached to the head of the bed?

SA Requirements Visual assessment (e.g. RR & LOC)? Physiological monitoring (BP, HR, Temp, CRT, SpO ₂)? Awareness of the need for assistance? Observation/indicators of pain?
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Situation Awareness

Respiratory

Question	Answer	Right	Wrong
What medications may be required?	2 of- beta2 agonists (ventolin), anticholinergics (atrovent), anti-biotics		
What is the HR at the moment?	150 or 145		
Is the patient adequately oxygenated/sats?	NO - 82% - 89%		
What's on the patient's bedside locker?	Flowers in a vase		
What investigations may be required?	2 of – Peak flow, Bloods (ABGs), CXR		
What is attached to the head of the bed?	A birthday card.		
If condition does not improve, what will happen to the HR initially?	Increase		
What is wrong with the patient	COPD		
What is the BP at the moment?	170/110 Or 140/80		
What is the respiratory rate at the moment?	35 or 32		
If condition does not improve, what will happen to the RR initially?	Increase		