

Name:	D Tamworth	Observations at start	CRT:	4s	
D.O.B.:	05/11 (74Y)	RR:	Vent settings	Temp:	38.2
Address:	(Insert local address)	ETCO2:	4.3	BM:	12.4
		Sats:	92%	Weight:	113Kg
Hospital ID:	746 324 8713	Heart rate:	135 (AF)	Allergy	Penicillin - rash
Ward:	General surgery	BP:	105/45		
Background to scenario		Specific set up			
A patient who has just been anaesthetised for a laparotomy for bowel obstruction develops Fast AF		Mannequin – intubated Cannulated with fluid running Anaesthetic induction and emergency drugs Anaesthetic chart			
Required embedded faculty/actors		Required participants			
Anaesthetist (relatively junior)		Anaesthetist Surgeon/ODP/theatre staff in MDT sim			
Past Medical History					
74 year old, admitted with vague abdominal pain and vomiting for a few days. PMH: HTN, T2DM, Anxiety. Smoker 15/day. Lives in a bungalow with husband, manages activities of daily living but slowing down with time. No airway concerns, NG tube in situ					
Drugs Home			Drugs Hospital		
Amlodipine, metformin, gliclazide, sertraline			Anaesthetic induction drugs of choice Antibiotics (as per local protocol)		
Brief to participants					
You are the on call anaesthetic team. You have been asked to assist the anaesthetist in the emergency theatre Handover – history as above. Induction was uneventful, it was a grade 1 intubation. They were a little tachycardic pre-induction but just flipped in to AF at around 135 BPM. I have just started Hartmanns through their only cannula. I'm just a little out of my depth with this and could do with some help.					
Scenario Direction					
A	Intubated and ventilated				
B	RR 12-14, sats 92% on FiO2 0.5. ABG: pH 7.29, pO2 8.2, pCO2 5.6, HCO3 18, BE -6, lac 6.2, Glu 12.4, K 3.2, Ca 1.05				
C	HR 135 → 180 (AF). BP 105/45 → 70/35 (min fluid resus pre-op) 1 st litre of Hartmanns ongoing. No additional monitoring at induction				
DE	Anaesthetised on Sevoflurane, MAC 1.0				
Rx	Recognition of critical incident and declaration, call for help as per level of participant Alert rest of surgical team Diagnosis of arrhythmia and discussion of potential causes (sepsis, dehydration, electrolyte abnormality) Treatment (using local protocols/QRH handbook) (correct cause/electrolyte replacement, rate control) Discussion regarding stabilisation vs. proceeding with surgery – surgical correction in this case maybe necessary to treat the cause Discussion regarding post-op destination/level of care Engaging MDT decision making Arrhythmia can resolve after sufficient resuscitation or the scenario can end when required learning points reached				
Guidelines					
Association of Anaesthetists QRH handbook Tachycardia https://anaesthetists.org/Portals/0/PDFs/QRH/QRH_2-7_Tachycardia_v1.pdf?ver=2018-07-25-112713-813 Sepsis https://anaesthetists.org/Portals/0/PDFs/QRH/QRH_3-14_Sepsis_v1.pdf?ver=2018-07-25-112714-673					

Guidance for Patient Role	
Opening lines/questions/cues/key responses Under GA	Relevant HPC / PMH
Concerns	Actions
Guidance for ODP role	Guidance for Surgeons
Opening lines/questions/cues/responses/Concerns Does that blood pressure need treating?	Involved in MDT decision on how to proceed
Actions Prompt as HR increases gradually Can bring in arrest trolley/attach pads	
Guidance for Role e.g. ITU/Anaesthetic Senior	Additional challenges
Expectations/actions Support as per level of participant	Confidence of ODP/theatre staff Junior anaesthetist upset they did something wrong requiring debrief
Session Objectives	
Clinical	Management of intra-operative arrhythmia
Non-technical skills	
Teamworking	Coordinating team activities – in a chaotic environment, assessing capabilities of team and utilising them to complete various roles, exchanging information including at handover, supporting junior team members
Task management	Planning for next steps, following guidelines
Situational awareness	Gathering information throughout scenario, recognising and anticipating critical incident
Decision making	Identifying and balancing options for proceeding, continuous re-evaluation

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