

chaemia (Awake)

Critical Incidents

	Name:	JLowe	Observa	tions at start	CRT:	2s
	D.O.B.	i	RR:	16	Temp:	36.8
	Address:	(Insert local address)	ETCO2:	Presen		9.6
		,	Sats:	97%	Weight:	110kg
	Hospital ID:	779 241 4469	Heart rat	e: 110	Allergy	NKDA
	Ward:	General surgery	BP:	105/65		
		Background to scenario			Specific set (
A patient undergoing an elective inguinal hernia repair under a spinal anaesthetic, suffers a STEMI during the operation. Required embedded faculty/actors Surgeon				Mannequin/simulated patient on operating table Cannulated, fluids attached, BP cuff on left Draped for surgery Anaesthetic chart and emergency medication (O2 and sedation running as per local protocols) ECGs showing cardiac ischaemia Required participants Anaesthetist		
JOI 6	CON				theatre staff can	be participants in
			Past Medica			
Smc Lons					n/obstruction that	
		Drugs Home			Drugs Hospit	al
		lol, Atorvastatin, Aspirin, M		Spinal anaesth		
Lans	soprazole, Po	aracetamol, Naproxen, Tr	amadol PRN	Antibiotics – a	s per local protoc	ol
1110)	GIO COITHOI	table. The surgery has just	Scenario D			
A	Own (drov	vsy if sedation used)	Stage	<u> </u>		
В			n). Patient starts	arts feeling shortness of breath, growing into inability to		
С	HR 110, BP chest pain	IR 110, BP 105/65, patient starts complaining of chest discomfort, initially ache growing into cardiac thest pain				
DE	ECG morphology changes Draped for surgery, surgery has just begun. Surgeon unaware of anaesthetic/patient concerns until specifically told so. Surgeon can ask anaesthetist to 'stop patient moving' Patient starts developing dizziness/nausea and vomiting					
Rx	Recognise Assess pati Call for hel Treat as pe 12 lead EC	Recognise developing critical incident, communicate this with team Assess patient, develop differential diagnosis, consider cardiac ischaemia Call for help (as appropriate for level) Treat as per loca protocol/QRH handbook 12 lead ECG, consider cardiac arrest trolley Ensure oxygenation, analgesia, treat haemodynamic instability, Consider GTN				
			Stage			
A	Own					
В	RR 25, sats 92% (unless O2 given), patient SOB and unable to lie flat					
С	Cardiac cl	HR 148, BP 85/32. ECG ST elevation (on 12 lead) – ventricular arrhythmia if untreated Cardiac chest pain, radiating to left arm. If ECHO performed – new regional wall motion abnormalities				
			vali molion abh	ormailles		
DF	Drowsy, dizzy, N&V Call for help (if not already) Ensure theatre team are aware of critical incident Stop/rapid completion of surgery					
DE Rx	Call for hel	lp (if not already) atre team are aware of c	ritical incident			

Consider/refer to cardiology for revascularisation, discussion re next steps and post op destination

Guidelines					
Association of Anaesthetists QRH handbook Cardiac ison https://anaesthetists.org/Portals/0/PDFs/QRH/QRH 3-12 470					
Guidance for Patient Role					
Opening lines/questions/cues/key responses Can I sit up a little (initially vague symptoms, building up to full blown shortness of breath, chest pain) Blood pressure cuff (on left) is quite tight, can it be released?	Relevant HPC / PMH Chest pain in latter stages – similar to last MI that needed PCI				
Concerns Am I going to die?	Actions As chest pain starts to build, can get increasingly agitated and then drowsy				
Guidance for ODP role	Guidance for Surgeon				
Opening lines/questions/cues/responses/Concerns Will they be ok? He was absolutely fine when we started the operation Competent but never experienced similar incident, so anxious about the awake patient's prognosis	Unaware of patient concern until declared Joint decision making to pause surgery or rapid closure				
Actions Can point out ECG morphology looks different to beginning of surgery					
Guidance for Role e.g. ITU/Anaesthetic Senior	Guidance for cardiology (by phone)				
Expectations/actions Support depending on level of participant	Would be a candidate for PCI, stabalise and transfer to cath lab – would you be able to anaesthetise/provide sedation if they are unstable? (prompting discussion about support for non-theatre activity)				
	Additional challenges				
	Patient increasingly agitated				

Session Objectives	ession Objectives			
Clinical	Management of a patient with intra-operative cardiac ischaemia			
Non-technical skills				
Teamworking	Coordinating activity of the team, exchanging information with different teams, assessing capabilities and utilising the team to complete tasks/manage patient, support junior staff			
Task management	Planning and preparing for next steps such as transfer, management in angio. Following guidelines for managing IHD, identifying and utilising resources such as team members to complete various tasks, ensuring good communication such as closed loop communication techniques			
Situational awareness	Gathering information – during patient assessment, recognising deteriorating patient, anticipating next steps			
Decision making	Identifying options, supporting MDT decision making, continuous re-evaluation			

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