



Assessment Name	Scenario 1 – Adult Chest Pain and VT Arrest
Level / Section:	Advanced Paramedic
Version:	Version 1 (May 2010)

Candidate Information

You are called to the house of a 63 year old man with chest pain. A paramedic crew are en route. On arrival the patient is visibly distressed. His skin is ashen, cool and clammy.

Instructor information

The initial aim of this scenario is encourage good chest pain assessment, focussing on a thorough chest pain history, risk factors and associated symptoms. Standard management (oxygen, aspirin, GTN, morphine +/- an anti-emetic) must be stated but not performed. The candidate must have performed an ECG (see attached) and have a strong clinical concern for Acute Coronary Syndrome before administering clopidogrel. The patient then goes into a VF cardiac arrest. A paramedic crew is available. The patient has ROSC after 3 DC shocks, 1 mg Adrenaline and 300mg Amiodarone. Post ROSC the patient is unresponsive, BP 90/50, Runs of VT on monitor. The candidate needs to follow the post-resuscitation CPG and initiate cooling and an amiodarone infusion.

If asked the instructor may give the candidate the following information:

Pain is a severe central, crushing pain radiating to left jaw and associated left arm heaviness. It started 30 min ago while reading his morning paper. Feels weak, SOB and nauseated. Past medical history: Hypertension, smoker, strong family history of heart disease. Medications: Atovastatin 10 mg, Omersartan 20 mg (BP) and Aspirin 75 mg. No Allergies.

Equipment

Adult ALS manakin. Aspirin, Oxygen, Clopidogrel, Morphine, Epinephrine 1:10 000, Amiodarone ampoules, Dextrose 5% 100 ML, Cool packs. Defibrillator monitor, Oxygen cylinder, Non rebreather mask.

Key assessment points

- New medication Clopidogrel (Medication)
- New method of medication administration – Amiodarone infusion (Skill)
- New indication for amiodarone (Knowledge change)
- Post resuscitation care - cooling (New knowledge)





Candidate Name _____

Date _____

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Instructor information	Candidate key tasks	Score 0/1
Initial Assessment & Management		
<p><i>When asked there are no contra-indications to any medications that may be considered by the AP.</i></p> <p><i>Vital signs are: pulse 118, respirations 18, BP 140/90.</i></p> <p><i>Chest pain is 9 out of ten.</i></p> <p><i>Hands candidate ECG if requested</i></p>	Provides oxygen therapy	
	Applies ECG, SpO2 monitor	
	Takes SAMPLE history with focus on chest pain	
	Asks for cardiac risk factors	
	Asks about associated cardiac symptoms	
	Assesses vital signs	
	States that they would administer Aspirin 300mg, GTN 0.4 mg prn to max of 1.2 mg, Morphine 2mg aliquots (max 10mg) +/- anti-emetic (Cycilazine 50mg or Ondansetron 4 mg IV slowly)	
	States that they would perform an ECG	
	Correctly interprets ECG – ECG 1 Inferior STEMI	
	States clopidogrel is indicated for acute coronary syndrome Critical Point – new medication	
Checks 7 rights of medication administration		
Correctly administers 300mg Clopidogrel		
Patient deteriorates – unresponsive/pulseless		
<p><i>VF on monitor</i></p> <p><i>AP/Paramedic crew have arrived. Can do CPR, defibrillate, insert IV line and give medications.</i></p> <p><i>Allow arrest to run so that adrenaline x1 and amiodarone x 1 are administered and then ROSC. Patient unresponsive.</i></p>	Assesses patient and commences treatment	
	Immediate defibrillation (Shock1)	
	Commences CPR	
	Delivers DC Shock every 2 minutes	
	Administers Epinephrine 1 mg 1:10 000 IV/IO	
	Administers amiodarone 300mg bolus IV/IO	
	Recognises ROSC and commences post-resuscitation care Critical Point – NEW KNOWLEDGE	
	ABCDE assessment	
Commence cooling – cool packs or 500ml Saline at 4°		





<i>Show the candidate the rhythm strip</i>	Considers 5H's and 5T's	
	State repeat ECG - note tachyarrhythmia	
	State need for amiodarone infusion 1mg/min IV/IO Critical Point – KNOWLEDGE CHANGE	
	Correctly prepares and administers amiodarone infusion Critical Point – NEW SKILL	

Score _____/25 = _____ %

Successful or Remediation	
A candidate must remediate if they did not complete a Critical Point or if they achieve a score < 70%	

Examiner 1:

Examiner 2:





