

Information for facilitators

This teaching session is designed to be delivered by the roadside to a small group. It generally runs for 20 minutes followed by a debrief of approximately 20-25 minutes (40-45 mins total).

Aim

The aim for this session is to understand the competing management priorities in the post-ROSC patient.

What you will need

There are THREE components to this session:

Page 2 contains **background information** that can be read to the group and an expected sim progression.

Page 3 contains **details of the scenario** with expected progression for the sim technician.

Page 4 contains the **checklist for facilitators** to fill out during the scenario and a list of equipment required.

Introduction

“You are responding to a crew request for a 68-year-old patient, post-ROSC.”

Expected Progression

- Patient with acute STEMI requiring PPCI.
- Highlight the post ROSC patient with management priorities.
- Plan for ongoing hypoxia and hypotension.
- Management to achieve definitive care.

Case title	Post-ROSC instability			Sim no.	PRU 16
Setting	Outside	Patient age	68	Patient sex	M
Diagnosis	STEMI			Curriculum code	
Injuries	<ul style="list-style-type: none"> STEMI required 3 x shocks 'Downtime' of approximate 15 minutes Ongoing hypoxia Ongoing hypotension Untreated hypoglycaemia 				
Staff required	1 x PRU Paramedic, 1 x PRU Doctor, Ambulance staff				
Learning objectives	<ol style="list-style-type: none"> Recognise current management priorities Management of the post-ROSC patient 				

INITIAL SETUP

Observations				Arrival route	N/A
HR	110	GCS	E 1 V 1 M 1 = 3/15	Carers?	None
RR	Ventilated			Visible external findings: Nil. Progression: Intubated on arrival. History given. No 12-lead ECG performed. STEMI on 12-lead ECG. Requires rapid packaging and interventions to correct abnormalities. O2 has run out, vasopressors required, hypoglycaemia.	
SpO2	84%	Pupils	(L) 5mm (R) 5mm		
BP	68/43	Temp	35.2°C		
CRT	4 secs	Weight	80 kg		
Glucose	2.1				
Equipment on arrival	Standard response bags	Additional info	Adult mannequin.		

DOMAIN	TASK	TIME	DONE
Preparation	Role allocations		
	Disposition discussions		
Initial Actions	Scene safety		
	Information gathering		
	Introductions to individuals on scene		
	Early update to control and further resources		
Assessment	A-E assessment		
	Note inadequate oxygenation		
	Note hypotension		
	Note hypoglycaemia		
Interventions	Troubleshoot oxygenation (new O2 bottle)		
	Troubleshoot hypotension (start vasopressor)		
	Treat hypoglycaemia		
	2nd IV access		
	Scoop and packaging		
	IV fluid		
	12-lead ECG		
Decision-Making	Rapid identification of management priorities		
	Identify definitive management and arrange transfer		