

Scenario Name: IM 8 CPE-Mock Code			Learner Preparation Exercise:
High Fidelity	X	Low Fidelity	Static Model
Level:			Completion of Instructional Module 8
Objectives: 1. Identify a patient in cardiac arrest (initial student on scene) 2. Respond to a cardiac arrest with a teamwork-oriented mindset (all) 3. Administer effective chest compressions (team of 2) 4. Administer effective ventilations (RT) 5. Administer medications accurately per ACLS algorithm (med nurse) 6. Document the code blue accurately on the assigned code sheet (scribe) 7. Ensure that ACLS algorithm is followed accurately (charge) 8. Accurately administer antiarrhythmic (primary nurse) 9. Give a thorough report to receiving nurse via phone (charge nurse)			Healthcare Provider's Orders: ACLS Algorithms
Weight: _____ Height: _____			

Initial State	
BP- P- RR- T- O2 Pain- Cardiac rhythm: NO MONITOR Auscultation sounds: Left lung: Right lung: Heart: Bowel sounds:	
Action by Participant	
Check pulse (carotid)	Clear room
Begin compressions	
Call for crash cart	To Frame 1

Body System Assessment	Patient Finding
Neurological Sensory	Unresponsive
Cardiac	Pulseless
Pulmonary	Dusky color
Musculoskeletal	
Gastrointestinal (GI)	
Genitourinary (GU)	
Skin/Wound	
Vocal Complaint	
Lab/Diagnostic Results	

Facilitator Notes:

1. Basic life support: Assess carotid pulse for at least five seconds but no longer than ten. If pulse is not detected, begin compressions. Hand placement should be mid-sternum. Rate is at least 100 beats per minute. Pause every 30 compressions to deliver two full breaths.
2. Primary nurse is the initial nurse in the room—should assess pulse and immediately begin chest compressions.
3. Anyone can get the crash cart.
4. Charge nurse makes assignments as nurses arrive.

Scenario Progression: Nurse arrives with crash cart

Frame 1	
BP-P-RR-T-O2 sat- Pain-	
Cardiac rhythm: Ventricular fibrillation	
Auscultation sounds: Left lung:	
Right lung:	
Heart:	
Bowel sounds:	
Action by Participant	
1. Apply defibrillator pads	2. Place patient on monitor
3. Accurately identify rhythm	4. Defibrillate at 120-200j
5. Resume compressions	Frame 2

Body System Assessment	Patient Finding
Neurological Sensory	
Cardiac	
Pulmonary	
Musculoskeletal	
Gastrointestinal (GI)	
Genitourinary (GU)	
Skin/Wound	
Vocal Complaint	
Lab/Diagnostic Results/Orders	

Facilitator Notes:

1. Apply defibrillator pads as soon as crash cart arrives—do not cease compressions. (charge, med nurse, or alt compressor)
2. As soon as pads are affixed and monitor is turned on, halt compressions and analyze the rhythm.
3. Biphasic machine: defibrillate at 120-200j
4. Resume compressions—do NOT stop to check a rhythm prior

Scenario Progression: Advanced airway in place

Frame 2	
BP-	P- RR- T- O2 sat- Pain-
Cardiac rhythm: Ventricular fibrillation Auscultation sounds: Left lung: Right lung: Heart: Bowel sounds: Airway: open Monitor controls: SpO2: Tperi: Respiratory rate: Blood pressure:	
Action by Participant	
1. Ratio of 30:2 becomes a breath q 6-8 and at least 100 compressions/min	2. After 2 min, check rhythm again
3. Defibrillate at 120-200j	4. Resume compressions without checking rhythm
5. Administer Epi 1 mg IVP per algorithm. Flush.	

Facilitator Notes:

1. Per BLS and ACLS, after advanced airway is in place circulatory efforts change from a ratio of 30:2 to compressions at 100 beats/minute and a breath every 6-8 seconds.
2. Biphasic defibrillator: 120-200j
3. See ACLS algorithm

Body System Assessment	Patient Finding
Neurological Sensory	
Cardiac	
Pulmonary	
Musculoskeletal	
Gastrointestinal (GI)	
Genitourinary (GU)	
Skin/Wound	
Vocal Complaint	
Lab/Diagnostic Results	

Scenario Progression: Two minutes later---pause to analyze rhythm

Frame 3	
BP- P- RR- T-O2 sat- Pain-	
Cardiac rhythm: Sinus rhythm with PVCs Auscultation sounds: Left lung: Right lung: Heart: Bowel sounds:	
Airway: open Monitor controls: SpO2: Tperi:	
Respiratory rate: Blood pressure:	
Action by Participant	
1. Analyze rhythm	2. Check pulse
3. Physical assessment	4. Meds-cordarone drop
5. Call report	

Body System Assessment	Patient Finding
Neurological Sensory	
Cardiac	
Pulmonary	
Musculoskeletal	
Gastrointestinal (GI)	
Genitourinary (GU)	
Skin/Wound	
Vocal Complaint	
Lab/Diagnostic Results	

Facilitator Notes:

1. Amiodarone 300 mg IVP (ACLS algorithm), then maintenance is 0.5 mg/min for a total of 720 mg/24 hr (concentration 1-6 mg/hr or 360 mg/200 ml).

