

Megacode 1—Out-of-Hospital Unstable Bradycardia (Unstable Bradycardia > pVT > PEA > PCAC)

Lead-in: You are a paramedic treating a man who had a syncopal episode.

Vital Signs

Heart rate:

Blood pressure: 78/42 mm Hg

Respiratory rate:

Spo₂:

Temperature:

Weight:

Age: 62 years

Initial Assessment

- The patient is conscious and alert.

What are your initial actions?

- His skin is pale, and he is diaphoretic.
- The patient is not following commands.
- There is no radial pulse, but the carotid pulse is weak and slow.

Adult Bradycardia Algorithm (pVT)

Instructor notes: The ECG monitor shows a **sinus bradycardia** with occasional PVC.

The student should follow the Adult Bradycardia Algorithm and be prepared to administer a single dose of atropine while preparing for transcutaneous pacing.

Adult Cardiac Arrest Algorithm (pEA)

Instructor notes: With the introduction of the pacing impulse, the ECG monitor displays VT. There is no pulse.

The student should immediately discontinue pacing and defibrillate the patient.

The student will follow the VF/pVT pathway of the Adult Cardiac Arrest Algorithm. The student should assign team functions and monitor for high-quality CPR. The case should continue through safe defibrillation and administration of epinephrine and amiodarone.

Adult Cardiac Arrest Algorithm (pEA)

Instructor notes: After the third shock, the patient develops an **organized rhythm that is slow**. There is no pulse. The patient is now in PEA.

The student continues to monitor high-quality CPR and follows the PEA pathway of the Adult Cardiac Arrest Algorithm. The student should consider reversible causes.

Post-Cardiac Arrest Care Algorithm

Instructor notes: After ensuring effective ventilation, the student can now detect a carotid pulse. The patient has ROSC. The student should initiate the Post-Cardiac Arrest Care Algorithm.

Megacode Testing Checklist: Scenarios 1/3/8 Bradycardia → Pulseless VT → PEA → PCAC

Student Name _____

Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
Assigns team member roles	Ensures high-quality CPR at all times	Compression rate 100–120/min	Compression depth of 2 inches	Chest compression fraction >80% (optional)	Chest recoil (optional)	Ventilation (optional)

Bradycardia Management	Ensures that team members communicate well
Starts oxygen if needed, places monitor, starts IV	
Places monitor leads in proper position	
Recognizes symptomatic bradycardia	
Administers correct treatment	
Prepares for second-line treatment	

Pulseless VT Management	Recognizes pVT
Clears before analyze and shock	
Immediately resumes CPR after shocks	
Appropriate airway management	
Appropriate cycles of drug-rhythm check/shock-CPR	
Administers appropriate drug(s) and doses	

PEA Management	Recognizes PEA
Verbalizes potential reversible causes of PEA (H's and T's)	
Administers appropriate drug(s) and doses	
Immediately resumes CPR after rhythm checks	
Considers targeted temperature management	

Post-Cardiac Arrest Care	Identifies ROSC
Ensures BP and 12-lead ECG are performed. O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests	
Considers targeted temperature management	

STOP TEST	Circle PASS or NR to indicate pass or needs remediation:	PASS	NR
Instructor Initials _____	Instructor Number _____	Date _____	
Learning Station Competency			
<input type="checkbox"/> Bradycardia <input type="checkbox"/> Tachycardia <input type="checkbox"/> Cardiac Arrest/Post-Cardiac Arrest Care <input type="checkbox"/> Megacode Practice			

Megacode 2—Out-of-Hospital Unstable Bradycardia (Unstable Bradycardia > VF > Asystole > PCAC)

Lead-in: You are called to a restaurant for a man who suddenly became unresponsive, vomited, and then stopped breathing. You have a 4-minute response to the scene in your ALS ambulance.

Vital Signs

Heart rate: 44/min and very strong

Blood pressure: 84/50 mm Hg

Respiratory rate: 3/min

Spo₂: 98%

Temperature: 98.6°F

Weight: 180 lb

Age: 65 years

Initial Assessment

- You arrive at the scene to find 3 firefighters assisting the patient.
- One is maintaining an open airway, another is suctioning the patient, and the third is getting vital signs.
- Witnesses state that the patient had a normal day but seemed irritated.

Adult Bradycardia Algorithm

Instructor notes: The patient is in **sinus bradycardia** when the limb leads are applied, and the 12-lead ECG is not suspicious for injury or ischemia.

AN IV is being initiated when the patient has a 5-second episode of grand mal seizures and then remains unresponsive. Bag-mask ventilation is initiated with oxygen. Shortly after that, the patient has no respirations and no pulse. The monitor shows **VF**.

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: Defibrillation is attempted, and then CPR is provided for 2 minutes. During this time, his wife says that he is normally healthy and takes only vitamin supplements but that he's been under extreme stress at work lately.

After the first 2 minutes of CPR, the rhythm is still VF. Another shock is given, followed by more CPR. Epinephrine is given, and an advanced airway is placed, with an ETCO₂ reading of 22 mm Hg noted. Two minutes later, the rhythm is asystole, confirmed in 2 leads.

Adult Cardiac Arrest Algorithm (Asystole)

Instructor notes: CPR continues, and treatable causes are considered. After 2 minutes of CPR, the monitor shows a borderline wide-complex organized rhythm with a rate of 56/min, and there are pulses present.

Post-Cardiac Arrest Care Algorithm

Instructor notes: Blood pressure is 180/108 mm Hg. The patient is still apneic with a capnography reading of 50 mm Hg.

A finger-stick glucose reading (**if asked for by Team Leader**) is 187 mg/dL (10.4 mmol/L), and he remains unresponsive.

For transport considerations, the nearest emergency department is 4 minutes from the scene, a comprehensive stroke center is 12 minutes from the scene, and a cardiac arrest receiving center is 16 minutes from the scene.

Megacode Testing Checklist: Scenarios 2/5

Bradycardia → VF → Asystole → PCAC

Student Name _____

Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
Assigns team member roles	Compression rate 100-120/min <input type="checkbox"/>	Compression depth of ≥2 inches <input type="checkbox"/>	Chest compression fraction >80% <input type="checkbox"/>	Chest recoil (optional) <input type="checkbox"/>	Ventilation (optional) <input type="checkbox"/>	Ensures high-quality CPR at all times

Bradycardia Management	Starts oxygen if needed, places monitor, starts IV	Places monitor leads in proper position	Recognizes symptomatic bradycardia	Administers correct dose of atropine	Prepares for second-line treatment	Ensures that team members communicate well
------------------------	--	---	------------------------------------	--------------------------------------	------------------------------------	--

VF Management	Recognizes VF	Clears before analyze and shock	Immediately resumes CPR after shocks	Appropriate airway management	Appropriate cycles of drug-rhythm check/shock-CPR	Administers appropriate drug(s) and doses
---------------	---------------	---------------------------------	--------------------------------------	-------------------------------	---	---

Asystole Management	Recognizes asystole	Verbalizes potential reversible causes of asystole (H's and T's)	Administers appropriate drug(s) and doses	Immediately resumes CPR after rhythm checks	Identifies ROSC	Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests
---------------------	---------------------	--	---	---	-----------------	---

Post-Cardiac Arrest Care	Considers targeted temperature management					
--------------------------	---	---	---	---	---	---

Test Results	Circle PASS or NR to indicate pass or needs remediation:	PASS	NR
Instructor Initials _____			
Instructor Number _____			
Date _____			

Learning Station Competency

Bradycardia Tachycardia Cardiac Arrest/Post-Cardiac Arrest Care Megacode Practice

Megacode 3—Out-of-Hospital Unstable Bradycardia (Unstable Bradycardia > pVT > PEA > PCAC)

Lead-in: Your ALS ambulance is dispatched to help an elderly man having chest pain. A BLS engine is also responding. You arrive to find the firefighter's placing a nonrebreathing oxygen mask on the patient.

Vital Signs
Heart rate: 86/48 mm Hg by Doppler
Blood pressure: 86/48 mm Hg by Doppler
Respiratory rate: 18/min and nonlabored
Spo₂: 92%

Initial Assessment

- The patient is sitting with his back against a wall, alert and talking with firefighters.
- He says his chest feels heavy and he might need to vomit; this started abruptly while he waited in line at the bank.
- He has had cardiac problems in the past, and he received a heart transplant 2 years ago.

What are your initial actions?

Instructor notes: His pulse is slow and weak, and he is grossly diaphoretic and pale and gray. The monitor displays a **third-degree AV block** with wider QRS complexes and a rate of 32/min.

He takes multiple medications, but they are at his home. He is allergic to sulfa. The 12-lead ECG is suspicious for injury in leads II, III, and aVF, and lead V₄R is flat.

Adult Bradycardia Algorithm (pVT)

Instructor notes: If students try to give atropine, it will have no effect because of heart denervation.

The transcutaneous pacemaker is applied, but before it acquires capture, the patient becomes unresponsive, the rhythm changes to **VT**, and he becomes apneic. There is no pulse.

Adult Cardiac Arrest Algorithm (pEA)

Instructor notes: Defibrillation is attempted, and then high-quality CPR is given for 2 minutes, during which peripheral IVs are established in each arm. After 2 minutes, the rhythm is still VT.

Defibrillation is attempted again, with CPR and epinephrine administered.

Bag-mask ventilation is performed without difficulty, so an advanced airway isn't necessary unless the Team Leader feels it's indicated.

After 2 minutes, the rhythm is **sinus bradycardia** with marginally wide QRS complexes. A pulse is not present.

Adult Cardiac Arrest Algorithm (pEA)

Instructor notes: CPR is continued, an advanced airway is now placed, and capnography is connected, with a reading of 22 mm Hg. After 2 minutes of CPR, the rhythm is nearly the same, and the QRS complexes aren't as wide, but the rate is the same.

A carotid pulse is present, but a radial pulse can't be felt. The ETCO₂ reading is now 48 mm Hg.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The patient will bat his eyes to loud voices, and he begins breathing at 8 breaths per minute. His blood pressure by Doppler is 68/40 mm Hg. The Team Leader should consider dopamine infusion for blood pressure support and/or epinephrine infusion to support perfusion. The closest emergency department is 3 minutes from the scene, and a STEMI receiving center is 12 minutes from the scene.

Megacode Testing Checklist: Scenarios 1/3/8

Bradycardia → Pulseless VT → PEA → PCAC

Student Name _____

Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
	Ensures team member roles	Compression rate 100-120/min <input type="checkbox"/>	Compression depth of ≥ 2 inches <input type="checkbox"/>	Chest compression fraction > 80% (optional) <input type="checkbox"/>	Ventilation (optional) <input type="checkbox"/>	
Bradycardia Management	Ensures that team members communicate well					
Pulseless VT Management	Starts oxygen if needed, places monitor, starts IV					
PEA Management	Places monitor leads in proper position					
Post-Cardiac Arrest Care	Recognizes symptomatic bradycardia					
Team Leader	Administers correct treatment					
Test Results	Circle PASS or NR to indicate pass or needs remediation:	PASS	NR			
Instructor Initials _____	Instructor Number _____	Date _____				
Learning Station Competency	<input type="checkbox"/> Bradycardia <input type="checkbox"/> Tachycardia <input type="checkbox"/> Cardiac Arrest/Post-Cardiac Arrest Care <input type="checkbox"/> Megacode Practice					

Megacode 4—Out-of-Hospital Unstable Ventricular Tachycardia (Unstable Tachycardia > VF > PEA > PCAC)

Lead-in: Your ALS ambulance is dispatched to a car that has pulled to the side of the highway. The caller was driving the patient to an appointment, but she was sick and needed to stop. She reports shortness of breath and weakness.

Vital Signs
Heart rate: 150/min
Blood pressure: 84/54 mm Hg
Respiratory rate: 20/min with mildly labored breathing
SpO₂: 94% on 15 L/min of oxygen

Initial Assessment

- Your unit arrives to the scene to find the patient in the passenger seat of an SUV, awake and talking in 2- to 3-word sentences.
- Her lungs have fine crackles in both bases.
- There are palpable carotid and radial pulses.

What are your initial actions?

Adult: Tachycardia With a Pulse Algorithm

Instructor notes: The student's partner attaches the cardiac monitor, and the initial rhythm is **monomorphic wide-complex tachycardia**.

Due to the overall patient condition, the Team Leader should consider cardioversion. A peripheral IV is attempted without success. Cardioversion is performed without a change in condition. While the student prepares to increase the energy to cardiovert again, the patient's head stumps, and she stops breathing. The monitor now shows **VF**.

Adult: Cardiac Arrest Algorithm (VF)

Instructor notes: The patient is rapidly moved from the car to the stretcher. CPR is initiated, defibrillation is quickly delivered, and CPR is continued.

The stretcher (with CPR in progress) is moved to the ambulance to access equipment. During CPR, an I/O access is achieved, and bag-mask ventilation is performed with mild difficulty.

After 2 minutes, the rhythm is still VF; defibrillation is performed, and CPR continues. Epinephrine is given, and an advanced airway is placed, with a capnography reading of 25 mm Hg.

After 2 minutes, the rhythm is an **organized wide-complex rhythm** at a rate of 70/min, but no pulses are present.

Adult: Cardiac Arrest Algorithm (PEA)

Instructor notes: CPR is continued, and capnography readings continue to hover between 22 and 27 mm Hg during CPR.

Treatable causes are considered, and the person driving the vehicle states, "I was taking her to dialysis because she missed her appointment 2 days ago."

Calcium chloride or gluconate and sodium bicarbonate should be considered for this patient to offset hyperkalemia.

After this, at the next rhythm check, the monitor shows a **marginally wide-complex rhythm**, with severely peaked T waves, and a rate of 100/min. The patient now has a pulse at the carotid.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The patient is starting to have spontaneous respirations (disorganized) with a capnography reading of 60 mm Hg and SpO₂ of 100% with oxygen. Her blood pressure is 94/56 mm Hg. A finger-stick glucose reading of 330 mg/dL (18.3 mmol/L) is obtained. The nearest emergency department is 7 minutes away; a tertiary care center is 14 minutes away.

Megacode Testing Checklist: Scenarios 4/7/10 Tachycardia → VF → PEA → PCAC

Student Name _____

Date of Test _____

	Critical Performance Steps					Check if done correctly
Team Leader	Assigns team member roles	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Ensures that team members communicate well					
Tachycardia Management	Starts oxygen if needed, places monitor, starts IV					
	Places monitor leads in proper position					
	Recognizes unstable tachycardia					
	Recognizes symptoms due to tachycardia					
	Performs immediate synchronized cardioversion					
VF Management	Recognizes VF					
	Clears before analyze and shock					
	Immediately resumes CPR after shocks					
	Appropriate airway management					
	Appropriate cycles of drug-rhythm check/shock-CPR					
	Administers appropriate drug(s) and doses					
PEA Management	Recognizes PEA					
	Verbalizes potential reversible causes of PEA (H's and T's)					
	Administers appropriate drug(s) and doses					
	Immediately resumes CPR after rhythm checks					
Post-Cardiac Arrest Care	Identifies ROSC					
	Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests					
	Considers targeted temperature management					
STOP TEST						
Test Results	Circle PASS or NR to indicate pass or needs remediation:			PASS	NR	
Instructor Initials _____	Instructor Number _____			Date _____		
Learning Station Competency	<input type="checkbox"/> Bradycardia <input type="checkbox"/> Tachycardia <input type="checkbox"/> Cardiac Arrest/Post-Cardiac Arrest Care <input type="checkbox"/> Megacode Practice					

Megacode 5—Emergency Department Unstable Bradycardia (Unstable Bradycardia > VF > Asystole > PCAC)

Lead-in: You are working in the emergency department when paramedics bring in a drowsy man. They are concerned about a drug overdose.

Vital Signs	Temperature: _____
Heart rate:	Weight: _____
Blood pressure:	Age: 28 years
Respiratory rate:	
SpO_2 :	

Initial Assessment

- Paramedics say that the patient has a history of depression and also takes diltiazem for an unknown reason.
- A family member on scene said that the patient has had a very low mood lately and threatened suicide earlier in the day.
- An empty bottle of diltiazem was found beside the patient when the paramedics arrived.

What are your initial actions?

- Assessing the patient on the paramedic stretcher, you find the patient very drowsy and slurring his words.
- You cannot get any useful information from the patient on his history.

Adult Bradycardia Algorithm

Instructor notes: His vital signs include heart rate 30/min, respiratory rate 16/min, blood pressure 80/48 mm Hg, SpO_2 98% on 3 L by nasal prongs, temperature 36.5°C, and blood glucose 195 mg/dL (10.8 mmol/L). A rhythm strip shows **wide QRS ventricular escape rhythm** at 30, with a long QT. His heart rate continues to drop, and then the patient suddenly becomes unresponsive and loses his pulse. The monitor shows **VF**.

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: Students should follow the VF pathway of the Adult Cardiac Arrest Algorithm.

Advanced students may consider discussing intravenous lipid emulsion therapy and extracorporeal CPR.

Adult Cardiac Arrest Algorithm (Asystole)

Instructor notes: After the second shock, the patient's rhythm changes to asystole. The student should follow the asystole pathway of the Adult Cardiac Arrest Algorithm with special attention given to high-quality CPR and good team communication.

Post-Cardiac Arrest Care Algorithm

Instructor notes: After several rounds of CPR and ACLS, the patient has ROSC. The rhythm on the monitor is a ventricular escape bradycardia with hypotension. The student should consider the toxicological aspects of the case as well as the differential diagnosis.

A discussion around the treatment of calcium channel blocker overdose and available treatment options may be included for advanced learners.

Megacode Testing Checklist: Scenarios 2/5

Bradycardia → VF → Asystole → PCAC

Student Name _____

Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
	Ensures team member roles	Compression rate 100-120/min	Compression depth of ≥ 2 inches	Chest compression fraction > 80% (optional)	Ventilation (optional)	
Bradycardia Management	Ensures high-quality CPR at all times	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VF Management	Ensures that team members communicate well					
Asystole Management	Starts oxygen if needed, places monitor, starts IV					
Post-Cardiac Arrest Care	Places monitor leads in proper position					
	Recognizes VF					
	Clears before analyze and shock					
	Immediately resumes CPR after shocks					
	Appropriate airway management					
	Appropriate cycles of drug-rhythm check/shock-CPR					
	Administers appropriate drug(s) and doses					
	Recognizes asystole					
	Verbalizes potential reversible causes of asystole (H's and T's)					
	Administers appropriate drug(s) and doses					
	Immediately resumes CPR after rhythm checks					
	Identifies ROSC					
	Ensures BP and 12-lead ECG are performed, O_2 saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests					
	Considers targeted temperature management					

STOP TEST

Test Results Circle **PASS** or **NR** to indicate pass or needs remediation:

PASS **NR**

Instructor Initials _____ Instructor Number _____ Date _____

Learning Station Competency

Bradycardia

Tachycardia

Cardiac Arrest/Post-Cardiac Arrest Care

Megacode Practice

Megacode 6—In-Hospital Unstable Bradycardia (Unstable Bradycardia > VF > PEA > PCAC)

Lead-in: A man admitted to the hospital with pneumonia has chest pain on the second day of his hospital course. You are called to evaluate him.

Vital Signs

Heart rate:

Blood pressure:

Respiratory rate:

Spo₂:

Megacode Testing Checklist: Scenarios 6/11

Bradycardia → VF → PEA → PCAC

Student Name _____

Date of Test _____

Initial Assessment	What are your initial actions?
<p>Adult Bradycardia Algorithm</p> <p>Instructor notes: The patient's vital signs are heart rate 35/min, respiratory rate 18/min, and blood pressure 88/49 mm Hg.</p> <p>The monitor shows a third-degree heart block. The initial dose of atropine will not have much effect, and pacing should be initiated.</p> <p>With pacing, the patient's blood pressure will also improve such that the patient can now go to the cardiac cath lab.</p>	<p>Adult Cardiac Arrest Algorithm (VF)</p> <p>Instructor notes: Just after completing cardiac catheterization (with findings of 100% right coronary artery occlusion), the patient will develop VF.</p> <p>The patient will be refractory to at least 3 shocks, thus allowing the student to progress through the algorithm. Chest compressions should be initiated with high-quality CPR and the airway managed initially with bag-mask ventilation and, ultimately, probably intubation and epinephrine/amlodarone.</p> <p>Errors would be to provide epinephrine before at least 2 shocks. After the third shock, the patient will go into a sinus tachycardia with no pulse (PEA).</p> <p>Or note, if the student chose to relook at the coronary arteries, this would be an appropriate step and they would be patient (ie, the underlying cause could be arterial reocclusion), but this advanced reasoning is beyond the expectations of the scenario).</p>

Team Leader	Critical Performance Steps	Check if done correctly
Assigns team member roles		
Ensures high-quality CPR at all times	Compression rate 100-120/min <input type="checkbox"/> Compression depth of ≥2 inches <input type="checkbox"/> Chest compression fraction >80% (optional) <input type="checkbox"/> Chest recoil (optional) <input type="checkbox"/> Ventilation (optional) <input type="checkbox"/>	
Ensures that team members communicate well		
Bradycardia Management		
Starts oxygen if needed; places monitor; starts IV		
Places monitor leads in proper position		
Recognizes symptomatic bradycardia		
Administers correct dose of atropine		
Prepares for second-line treatment		
VF Management		
Recognizes VF		
Clears before analyze and shock		
Immediately resumes CPR after shocks		
Appropriate airway management		
Appropriate cycles of drug-rhythm check/shock-CPR		
Administers appropriate drug(s) and doses		
PEA Management		
Recognizes PEA		
Verbalizes potential reversible causes of PEA (H's and T's)		
Administers appropriate drug(s) and doses		
Immediately resumes CPR after rhythm checks		
Post-Cardiac Arrest Care		
Identifies ROSC		
Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests		
Considers targeted temperature management		

STOP TEST

Test Results Circle **PASS** or **NR** to indicate pass or needs remediation: **PASS** **NR**

Instructor Initials _____ Instructor Number _____ Date _____

Learning Station Competency

Bradycardia Tachycardia Cardiac Arrest/Post-Cardiac Arrest Care Megacode Practice

Bradycardia Tachycardia Cardiac Arrest/Post-Cardiac Arrest Care Megacode Practice

Megacode 7—In-Hospital Unstable Ventricular Tachycardia (Unstable Tachycardia > VF > PEA > PCAC)

Lead-in: You are a healthcare provider caring for a patient who was admitted for chest pain and you rule out myocardial infarction. He was diagnosed with stable angina 10 years ago, but over the past few months, his pain has been increasing in duration and intensity.

Vital Signs

Heart rate: 82/min

Blood pressure: 124/74 mm Hg

Respiratory rate: 16/min

Spo₂: 98%

Initial Assessment

What are your initial actions?

Instructor notes: At the change of shift, the patient denied chest pain. The student leaves the room and is soon called back by the patient's son.

The student enters the room and assesses that the patient is clutching his chest, stating respiratory rate 22/min, blood pressure 156/92 mm Hg, and Spo₂ 93%. His bedside monitor shows a **monomorphic, wide, and rapid rhythm**, which is different from previously recorded rhythms. The patient may have an acute coronary syndrome. Because of the patient's history, the student will initially focus on the tachycardia rhythm.

The student will question the patient on his current symptoms and ensure IV line patency and cardiac monitoring. Nitroglycerin may be initiated as long as the blood pressure is greater than 90 mm Hg systolic and the patient continues to have chest pain. Administration of aspirin is appropriate as long as the patient is responsive.

Adult Tachycardia With a Pulse Algorithm

Instructor notes: The symptoms of the patient's tachycardia require management and treatment. The student can differentiate that the patient is in VT and is symptomatic. The treatment for this is immediate cardioversion, and drug therapy should not delay the cardioversion.

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: Upon delivery of the cardioversion shock, the patient develops a different rhythm, which is identified as VF. Now, the student will follow the VF/pVT pathway of the Adult Cardiac Arrest Algorithm.

The Team Leader assigns team functions and monitors for high-quality CPR. The case continues through safe defibrillation, administering a vasopressor, and considering an antiarrhythmic drug.

Adult Cardiac Arrest Algorithm (PEA)

Instructor notes: Despite the student's actions, the patient is now showing **second-degree AV block** on the monitor with no pulse (PEA).

The Team Leader should continue to monitor high-quality CPR and follow the PEA pathway of the Adult Cardiac Arrest Algorithm. The patient may be in cardiogenic shock, so the student must be able to differentiate and discuss potential causes of PEA.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The team continues high-quality chest compressions, and the patient has ROSC. At this point, you should initiate the Post-Cardiac Arrest Care Algorithm.

Megacode Testing Checklist: Scenarios 4/7/10 Tachycardia → VF → PEA → PCAC

Student Name _____

Date of Test _____

Team Leader	Critical Performance Steps						Check if done correctly
	Ensures team member roles	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80% (optional)	Chest recoil (optional)	Ventilation	
Tachycardia Management	Ensures high-quality CPR at all times <input type="checkbox"/>	Ensures that team members communicate well <input type="checkbox"/>	Starts oxygen if needed, places monitor, starts IV <input type="checkbox"/>	Places monitor leads in proper position <input type="checkbox"/>	Recognizes unstable tachycardia <input type="checkbox"/>	Recognizes symptoms due to tachycardia <input type="checkbox"/>	
VF Management	Recognizes VF <input type="checkbox"/>	Clears before analyze and shock <input type="checkbox"/>	Immediately resumes CPR after shocks <input type="checkbox"/>	Appropriate airway management <input type="checkbox"/>	Appropriate cycles of drug-rhythm check/shock-CPR <input type="checkbox"/>	Administers appropriate drug(s) and doses <input type="checkbox"/>	
PEA Management	Recognizes PEA <input type="checkbox"/>	Verbalizes potential reversible causes of PEA (H's and T's) <input type="checkbox"/>	Administers appropriate drug(s) and doses <input type="checkbox"/>	Immediately resumes CPR after rhythm checks <input type="checkbox"/>	Identifies ROSC <input type="checkbox"/>	Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests <input type="checkbox"/>	
Post-Cardiac Arrest Care	Considers targeted temperature management <input type="checkbox"/>						

STOP TEST

Test Results Circle **PASS** or **NR** to indicate pass or needs remediation: **PASS** **NR**

Instructor Initials _____ Instructor Number _____ Date _____

Learning Station Competency

Bradycardia Tachycardia Cardiac Arrest/Post-Cardiac Arrest Care Megacode Practice

Megacode 8—In-Hospital Unstable Bradycardia (Unstable Bradycardia > pVT > PEA > PCAC)

Lead-in: A man who was admitted to the hospital with palpitations now reports chest discomfort, and you are called to evaluate him.

<p>Vital Signs</p> <p>Heart rate: 50/min</p> <p>Blood pressure: 150/70 mm Hg</p> <p>Respiratory rate: 24/min</p> <p>Spo₂: 90% on room air</p> <p>Temperature:</p> <p>Weight:</p> <p>Age: 72 years</p>
<p>Initial Assessment</p> <p>What are your initial actions?</p> <ul style="list-style-type: none"> • A 12-lead ECG reveals an acute inferior STEMl.
<p>Adult Bradycardia Algorithm</p> <p>Instructor notes: The patient has a STEMl, bradycardia, and hypoxia. The patient should be placed on supplemental oxygen because of the hypoxia, the cath lab should be activated, and aspirin should be given.</p> <p>The patient's heart rate is 50/min and the monitor shows sinus bradycardia. Because the blood pressure is stable, no intervention is necessary.</p> <p>If the student chooses to give atropine, the side effects of this drug in acute myocardial infarction (when not clinically indicated) can be discussed.</p> <p>Other interventions, such as anticoagulation, could be considered while preparing for the cath lab, although nitroglycerin should be avoided because of the inferior myocardial infarction.</p>
<p>Adult Cardiac Arrest Algorithm (pVT)</p> <p>Instructor notes: While waiting to go to the cath lab, the patient becomes unresponsive, is pulseless, and has VT on the monitor.</p> <p>One correct action would be immediate defibrillation (one could also have done precordial thump as a witnessed event) simultaneously with good CPR.</p> <p>VT will persist despite a defibrillation attempt, and the patient will need high-quality CPR, bag-mask ventilation with or without intubation, and reevaluation of the rhythm after 2 minutes of CPR.</p> <p>After a second defibrillation attempt, the patient's rhythm will change to PEA.</p>
<p>Adult Cardiac Arrest Algorithm (PEA)</p> <p>Instructor notes: After epinephrine is given for PEA, the rhythm will go back to VF. After another defibrillation attempt, the ETCO₂ will rise to 40 mm Hg after about 1 minute of CPR.</p> <p>The student should recognize that ROSC is obtained, and CPR should be stopped rather than continue for an additional minute.</p>
<p>Post-Cardiac Arrest Care Algorithm</p> <p>Instructor notes: After ROSC, the patient should have his vital signs checked (heart rate 108/min, blood pressure 80/60 mm Hg, Spo₂ 95%). He should be given a fluid bolus for hypotension and rapidly transported to the cath lab for revascularization.</p> <p>He is unresponsive, so plans can be made to initiate targeted temperature management, ideally simultaneously with revascularization in the cath lab.</p>

Megacode Testing Checklist: Scenarios 1/3/8

Bradycardia → Pulseless VT → PEA → PCAC

Student Name _____ Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
Assigns team member roles	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80% (optional)	Chest recoil (optional)	Ventilation (optional)	
Ensures high-quality CPR at all times	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ensures that team members communicate well						
Bradycardia Management						
Starts oxygen if needed, places monitor, starts IV						
Places monitor/leads in proper position						
Recognizes symptomatic bradycardia						
Administers correct treatment						
Prepares for second-line treatment						
Pulseless VT Management						
Recognizes pVT						
Clears before analyze and shock						
Immediately resumes CPR after shocks						
Appropriate airway management						
Appropriate cycles of drug-rhythm check/shock-CPR						
PEA Management						
Recognizes PEA						
Verbalizes potential reversible causes of PEA (Hs and Ts)						
Administers appropriate drug(s) and doses						
Immediately resumes CPR after rhythm checks						
Post-Cardiac Arrest Care						
Identifies ROSC						
Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests						
Considers targeted temperature management						
STOP TEST						
Test Results	Circle PASS or NR to indicate pass or needs remediation:			PASS	NR	
Instructor Initials _____	Instructor Number _____		Date _____			
Learning Station Competency	<input type="checkbox"/> Bradycardia <input type="checkbox"/> Tachycardia <input type="checkbox"/> Cardiac Arrest/Post-Cardiac Arrest Care <input type="checkbox"/> Megacode Practice					

Megacode 9—In-Hospital Stable Tachycardia (SVT) (Stable Tachycardia > PEA > VF > PCAC)

Lead-In: A woman with a history of lupus and asthma was admitted with pneumonia. She is doing well initially but develops tachycardia while receiving albuterol for ongoing wheezing.

Vital Signs

Heart rate: 160/min, and the monitor shows SVT

Blood pressure: 140/70 mm Hg

Respiratory rate: 24/min

Spo₂: 92%

Initial Assessment	
What are your initial actions?	
<p>Adult Tachycardia With a Pulse Algorithm</p> <p>Instructor notes: If the student gives adenosine in this scenario, the rhythm will change from SVT to sinus, but the patient will progress to severe respiratory distress with marked wheezing. Adenosine is relatively contraindicated in asthma exacerbation because of the effects on the adenosine receptors, and it will worsen the underlying asthma exacerbation, leading to respiratory distress. If the student recognizes this and chooses an alternative for SVT, that should be positively noted, but for the scenario, the patient will progress to respiratory failure anyway.</p> <p>The patient is in profound respiratory distress with wheezing and will be refractory to any attempts at albuterol. The patient will clearly either need immediate intubation or her condition will progress to complete respiratory failure requiring bag-mask ventilation. After intubation, the patient's condition will progress to PEA. The student should recognize this by evaluating for pulse and blood pressure after the intubation. Also, the PEA theoretically could be caused or contributed to by excessive ventilation (ie, auto-PEEP) immediately after intubation.</p>	
<p>Adult Cardiac Arrest Algorithm (PEA)</p> <p>Instructor notes: The patient is in PEA after intubation with contributions from auto-PEEP given the severe asthma. The ventilation rate should be low, and the student should consider disconnecting the bag to allow full exhalation.</p> <p>After the student attends to the ventilation rate and provision of epinephrine, the patient will have a rhythm change to VF.</p>	

Team Leader		Critical Performance Steps					Check if done correctly
Assigns team member roles		Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)	
Ensures high-quality CPR at all times		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ensures that team members communicate well							
Tachycardia Management							
Starts oxygen if needed, places monitor, starts IV							
Places monitor leads in proper position							
Recognizes tachycardia (specific diagnosis)							
Recognizes no symptoms due to tachycardia							
Considers appropriate initial drug therapy							
PEA Management							
Recognizes PEA							
Verbalizes potential reversible causes of PEA (H's and T's)							
Administers appropriate drug(s) and doses							
Immediately resumes CPR after rhythm check and pulse checks							
VF Management							
Recognizes VF							
Clears before analyze and shock							
Immediately resumes CPR after shocks							
Appropriate airway management							
Appropriate cycles of drug+rhythm check/shock-CPR							
Administers appropriate drug(s) and doses							
Post-Cardiac Arrest Care							
Identifies ROSC							
Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests							
Considers targeted temperature management							

STOP TEST

Test Results Circle **PASS** or **NR** to indicate pass or needs remediation:

PASS

NR

Instructor Initials _____ Instructor Number _____ Date _____

Learning Station Competency

□ Bradycardia

□ Tachycardia

□ Cardiac Arrest/Post-Cardiac Arrest Care

□ Megacode Practice

Megacode Testing Checklist: Scenario 9 Tachycardia → PEA → VF → PCAC

Student Name _____ Date of Test _____

Megacode 10—In-Hospital Unstable Ventricular Tachycardia (Unstable Tachycardia > VF > PEA > PCAC)

Lead-in: You are working in the cardiac care unit of your hospital. A woman who underwent PCI 3 hours ago is reporting heavy central chest pressure and nausea.

Vital Signs
Heart rate: 130/min
Blood pressure: 72/40 mm Hg
Respiratory rate: 20/min
SpO₂:

Temperature: 37°C
Weight:
Age: 51 years

Initial Assessment
What are your initial actions?

- On initial assessment, the patient reports feeling light-headed and nauseated, with severe central crushing chest pain.
- She appears drowsy, pale, and diaphoretic. The SpO₂ monitor is not showing a waveform and giving no reading.
- The rhythm strip shows a **regular wide-complex tachycardia** at 130/min.

Adult Tachycardia With a Pulse Algorithm

Instructor notes: A 12-lead ECG shows **VT** at 130/min. A previous ECG done before the procedure shows a normal sinus tachycardia with narrow complex. The goals of this section will be for the student to recognize unstable VT and follow the algorithm, assess ABCs, provide supplemental O₂, ensure adequate IV access, discuss the pros and cons of analgesia and sedation, demonstrate safe synchronized cardioversion, and consider treatment for acute ischemia and acute coronary syndromes in this setting.

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: After 2 failed synchronized cardioversions, the patient loses pulses and becomes apneic and unresponsive. The monitor shows **VF**. Focus on safe defibrillation, high-quality compressions, and a consideration of differential diagnoses.

Adult Cardiac Arrest Algorithm (PEA)

Instructor notes: After the second defibrillation attempt, the patient's rhythm changes to a **wide-complex regular rhythm** (with P waves) at 70/min. The patient still has no pulses. The student should follow the PEA pathway of the Adult Cardiac Arrest Algorithm. Students should focus on high-quality chest compressions and may consider advanced airway and underlying causes, including pulmonary embolism and myocardial infarction hemorrhage, among other things.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The team continues high-quality chest compressions, the patient has ROSC, and the team initiates the Post-Cardiac Arrest Care Algorithm. The students may consider myocardial ischemia and involvement of the interventional cardiologist (question acute stent obstruction). If the patient cannot follow commands, targeted temperature management should be started.

Megacode Testing Checklist: Scenarios 4/7/10 Tachycardia → VF → PEA → PCAC

Student Name _____ Date of Test _____

Team Leader	Critical Performance Steps					Check if done correctly
	Ensures team member roles	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction 7-80% (optional)	Ventilation (optional)	
Tachycardia Management	Ensures high-quality CPR at all times	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VF Management	Ensures that team members communicate well					
PEA Management	Starts oxygen if needed, places monitor, starts IV					
PEA Management	Places monitor leads in proper position					
PEA Management	Recognizes unstable tachycardia					
PEA Management	Performs immediate synchronized cardioversion					
PEA Management	Recognizes VF					
PEA Management	Clears before analyze and shock					
PEA Management	Immediately resumes CPR after shocks					
PEA Management	Appropriate airway management					
PEA Management	Appropriate cycles of drug-rhythm check/shock-CPR					
PEA Management	Administers appropriate drug(s) and doses					
Post-Cardiac Arrest Care	Recognizes PEA					
Post-Cardiac Arrest Care	Verbalizes potential reversible causes of PEA (H's and T's)					
Post-Cardiac Arrest Care	Administers appropriate drug(s) and doses					
Post-Cardiac Arrest Care	Immediately resumes CPR after rhythm checks					
Post-Cardiac Arrest Care	Identifies ROSC					
Post-Cardiac Arrest Care	Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests					
Post-Cardiac Arrest Care	Considers targeted temperature management					
STOP TEST						
Test Results	Circle PASS or NR to indicate pass or needs remediation:			PASS	NR	
Instructor Initials _____	Instructor Number _____		Date _____			
Learning Station Competency	<input type="checkbox"/> Bradycardia <input type="checkbox"/> Tachycardia <input type="checkbox"/> Cardiac Arrest/Post-Cardiac Arrest Care <input type="checkbox"/> Megacode Practice					

Megacode 11—In-Hospital Colonoscopy Suite Unstable Bradycardia

(Unstable Bradycardia > VF > PEA > PCAC)

Lead-in: A patient is undergoing his initial colon screening. Fifteen minutes into the procedure under conscious sedation, the patient's respiratory rate drops to 4 and ETCO₂ is 55 mm Hg.

Vital Signs:

Heart rate:

Blood pressure:

Respiratory rate:

Spo₂:

Temperature:

Weight:

Age: 51 years

Initial Assessment

What are your initial actions?

- This healthy man with a family history of colon cancer (maternal grandfather and uncle) is undergoing an initial screening colonoscopy.
- He has no significant past medical history except daily alcohol use (3 to 4 drinks per day).
- The patient had received a combination of fentanyl and midazolam for conscious sedation.
- It is noted that as the ETCO₂ rises, the patient becomes less arousable and then apneic.
- The Code Team is activated.

What are the next steps?

Instructor notes: IV reversal agents are ordered. Bag-mask ventilation is initiated. His vital signs are heart rate 30/min, respiratory rate 3/min, blood pressure 70/50 mm Hg, and Spo₂ 82% on 4 L/min via nasal cannula. Students should recognize the impending respiratory failure and consider reversal agents. The patient is placed on 100% oxygen, and flumazenil and naloxone are provided with improved oxygen saturations, but there is no change in respiratory rate. A supraglottic airway is placed.

Adult Bradycardia Algorithm

Instructor notes: The patient's respiratory status has been stabilized. The student should note the abnormal heart rate and hypotension. The bradycardia is **slow and narrow complex** without ST changes. The patient is unstable and given IV atropine (1 mg) twice without change in heart rate or blood pressure. While the dopamine infusion is being prepared, the patient becomes unresponsive.

What is the next action?

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: The monitor demonstrates **VF**.

What is the action?

Instructor notes: The patient has no pulse. CPR is started. The VF/pVT pathway should be followed. Shocks are delivered. Epinephrine and amiodarone are given. An advanced airway is placed. A rhythm check shows SVT. No pulse or spontaneous respirations are confirmed.

Adult Cardiac Arrest Algorithm (PEA)

Instructor notes: CPR is continued. Bag-mask ventilation at 100% is continued. A second dose of epinephrine is given with no change in condition.

During the rhythm check, the monitor reveals a **narrow-complex tachycardia** and no pulse. The PEA pathway or the Adult Cardiac Arrest Algorithm is followed.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The team continues high-quality chest compressions, the patient has ROSC, and the team initiates the Post-Cardiac Arrest Care Algorithm.

Megacode Testing Checklist: Scenarios 6/11

Bradycardia → VF → PEA → PCAC

Student Name _____

Date of Test _____

Critical Performance Steps

Check if done correctly

Team Leader

Assigns team member roles

	Compression rate 100-120/min <input type="checkbox"/>	Compression depth of ≥2 inches <input type="checkbox"/>	Chest compression fraction >80% <input type="checkbox"/>	Chest recoil (optional) <input type="checkbox"/>	Ventilation (optional) <input type="checkbox"/>
Ensures that team members communicate well					

Bradycardia Management

Starts oxygen if needed, places monitor, starts IV

Places monitor leads in proper position

Recognizes symptomatic bradycardia

Administers correct dose of atropine

Prepares for second-line treatment

VF Management

Recognizes VF

Clears before analyze and shock

Immediately resumes CPR after shocks

Appropriate airway management

Appropriate cycles of drug-rhythm check/shock-CPR

Administers appropriate drug(s) and doses

PEA Management

Recognizes PEA

Verbalizes potential reversible causes of PEA (H's and T's)

Administers appropriate drug(s) and doses

Immediately resumes CPR after rhythm checks

Post-Cardiac Arrest Care

Identifies ROSC

Ensures BP and 12-lead ECG are performed. O₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests

Considers targeted temperature management

STOP TEST

Instructor Initials _____ Instructor Number _____ Date _____

PASS **NR**

Learning Station Competency
 Bradycardia Tachycardia Cardiac Arrest/Post-Cardiac Arrest Care Megacode Practice

Megacode 12—In-Hospital Surgical Waiting Room Unstable Bradycardia (Unstable Bradycardia > VF > Asystole/PEA > PCAC)

Lead-in: A woman sits in the surgical waiting room, awaiting news about her husband's surgery, when she suddenly becomes light-headed and dizzy and nearly passes out.

Vital Signs
Heart rate: _____
Blood pressure: _____
Respiratory rate: _____
Sp_o₂: _____

Temperature: _____
Weight: _____
Age: 67 years

Initial Assessment

- The patient has a past medical history of breast cancer (in remission) and diabetes.
- She is lying on the floor.
- You respond as a member of the medical emergency team that was activated.

What are your initial steps?

Instructor notes: She admits that she forgot to eat breakfast today. The rest of the team arrives. Her vital signs are heart rate 28/min, respiratory rate 18/min, blood pressure 68/P mm Hg, 96% SpO₂ on room air, and blood sugar 90 mg/dL (5 mmol/L). The patient is moved to a stretcher.

The monitor shows a second-degree type II AV block.

Adult Bradycardia Algorithm

Instructor notes: The student should note the abnormal heart rate and hypotension. The bradycardia is narrow complex without ST changes.

The patient is unstable and given IV atropine (1 mg) twice without a change in heart rate or blood pressure.

What is the next action?

The patient is wheeled urgently to the hospital emergency department.

Adult Cardiac Arrest Algorithm (VF)

Instructor notes: The monitor demonstrates VF.
What is the action?

The patient has no pulse. CPR is started.

The student should follow the VF/pVT pathway. Shocks are delivered twice, and epinephrine and amiodarone are given. An advanced airway is placed.

A monitor check demonstrates asystole. No pulse or spontaneous respirations are confirmed.

Adult Cardiac Arrest Algorithm (Asystole and PEA)

Instructor notes: CPR is continued. Bag-mask ventilation with 100% oxygen is continued. Epinephrine is given (third dose). There is no change in her condition. During the rhythm check, the monitor reveals a **narrow-complex tachycardia** with no pulse. The PEA pathway of the Adult Cardiac Arrest Algorithm is followed.

Post-Cardiac Arrest Care Algorithm

Instructor notes: The team continues high-quality chest compressions, the patient has ROSC, and the team initiates the Post-Cardiac Arrest Care Algorithm.

Megacode Testing Checklist: Scenario 12 Bradycardia → VF → Asystole/PEA → PCAC

Student Name _____ Date of Test _____

Critical Performance Steps		If done correctly
Team Leader	Assigns team member roles	

Ensures high-quality CPR at all times	<input type="checkbox"/> Compression rate 100-120/min	<input type="checkbox"/> Compression depth of ≥2 inches	<input type="checkbox"/> Chest compression fraction >80% (optional)	<input type="checkbox"/> Chest recoil (optional)	<input type="checkbox"/> Ventilation (optional)
---------------------------------------	---	---	---	--	---

Ensures that team members communicate well	<input type="checkbox"/>
--	--------------------------

Bradycardia Management	<input type="checkbox"/>
-------------------------------	--------------------------

Starts oxygen if needed, places monitor, starts IV	<input type="checkbox"/>
--	--------------------------

Places monitor leads in proper position	<input type="checkbox"/>
---	--------------------------

Recognizes symptomatic bradycardia	<input type="checkbox"/>
------------------------------------	--------------------------

Administers correct dose of atropine	<input type="checkbox"/>
--------------------------------------	--------------------------

Prepares for second-line treatment	<input type="checkbox"/>
------------------------------------	--------------------------

VF Management	<input type="checkbox"/>
----------------------	--------------------------

Recognizes VF	<input type="checkbox"/>
---------------	--------------------------

Clears before analyze and shock	<input type="checkbox"/>
---------------------------------	--------------------------

Immediately resumes CPR after shocks	<input type="checkbox"/>
--------------------------------------	--------------------------

Appropriate airway management	<input type="checkbox"/>
-------------------------------	--------------------------

Appropriate cycles of drug-rhythm check/shock-CPR	<input type="checkbox"/>
---	--------------------------

Administers appropriate drug(s) and doses	<input type="checkbox"/>
---	--------------------------

Identifies reversible causes of asystole and PEA (H's and T's)	<input type="checkbox"/>
--	--------------------------

Immediately resumes CPR after rhythm checks	<input type="checkbox"/>
---	--------------------------

Post-Cardiac Arrest Care	<input type="checkbox"/>
---------------------------------	--------------------------

Identifies ROSC	<input type="checkbox"/>
-----------------	--------------------------

Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes need for endotracheal intubation and waveform capnography, and orders laboratory tests	<input type="checkbox"/>
---	--------------------------

Considers targeted temperature management	<input type="checkbox"/>
---	--------------------------

STOP TEST

Test Results	Circle PASS or NR to indicate pass or needs remediation:	PASS	NR
--------------	--	-------------	-----------

Instructor Initials _____	Instructor Number _____	Date _____
---------------------------	-------------------------	------------

Learning Station Competency	
------------------------------------	--

□ Bradycardia	□ Tachycardia	□ Cardiac Arrest/Post-Cardiac Arrest Care	□ Megacode Practice
---------------	---------------	---	---------------------