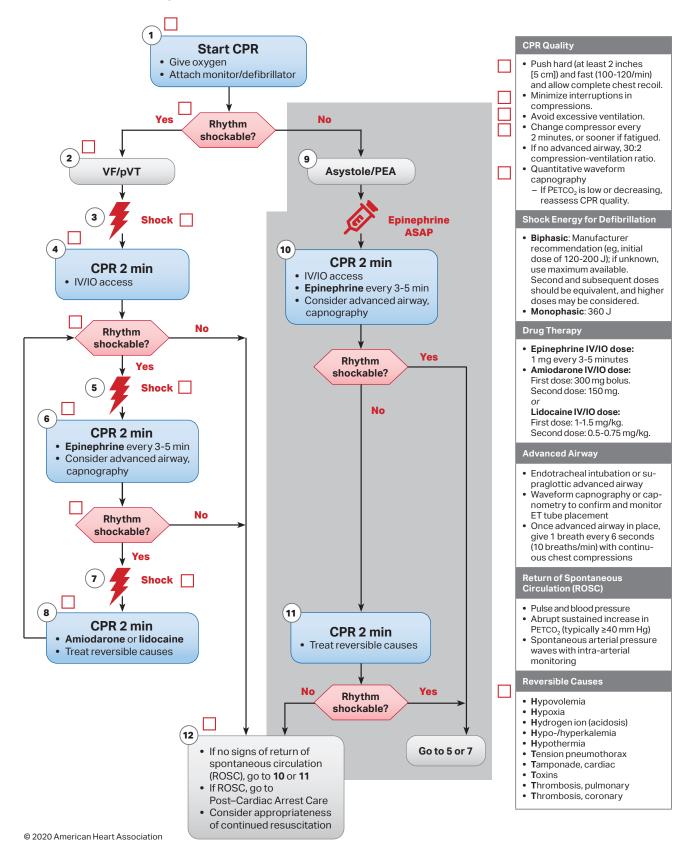
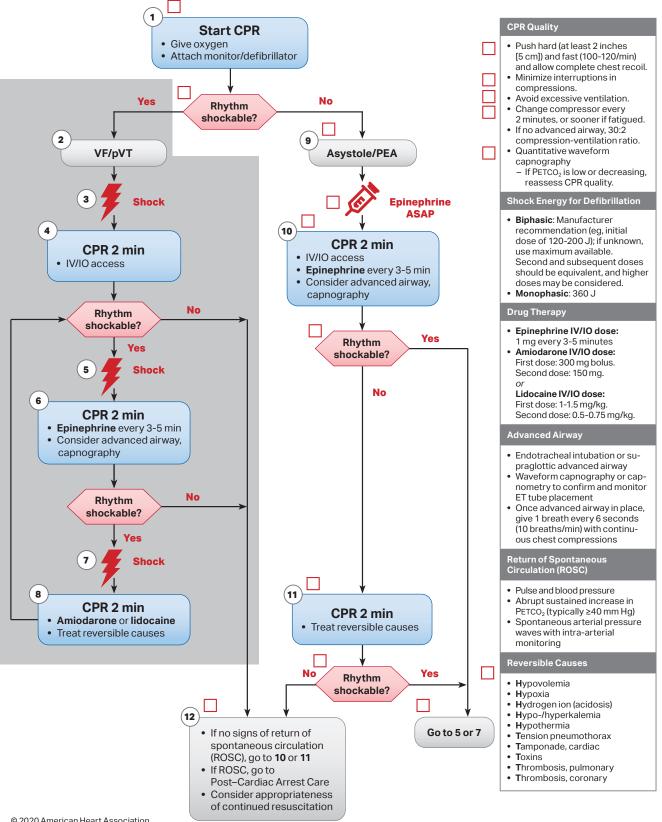
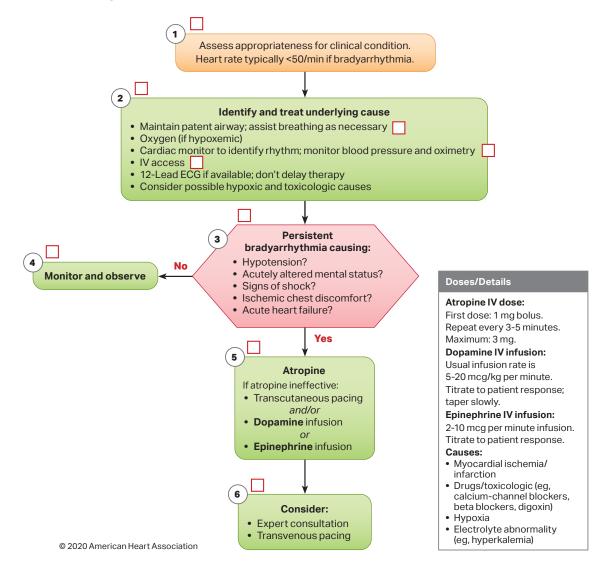
Adult Cardiac Arrest Algorithm (VF/pVT)



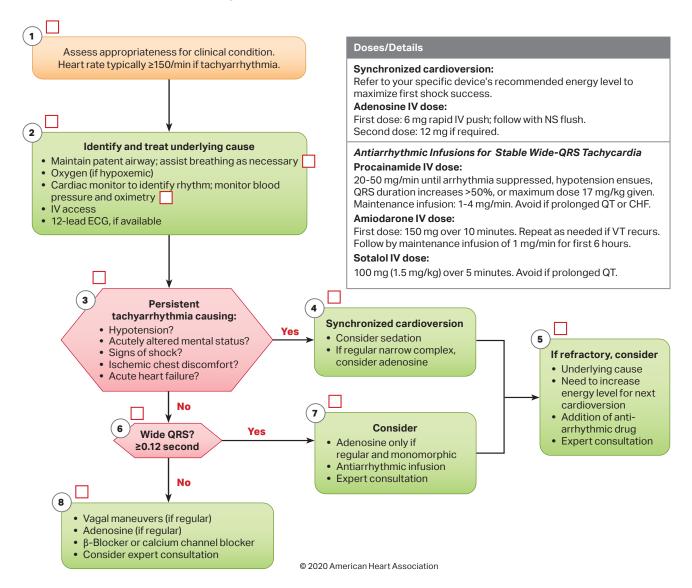
Adult Cardiac Arrest Algorithm (Asystole/PEA)



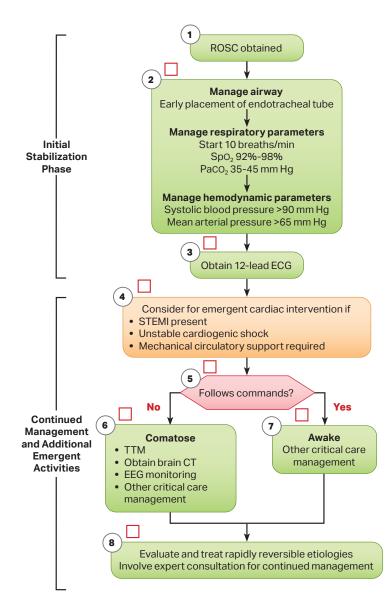
Adult Bradycardia Algorithm

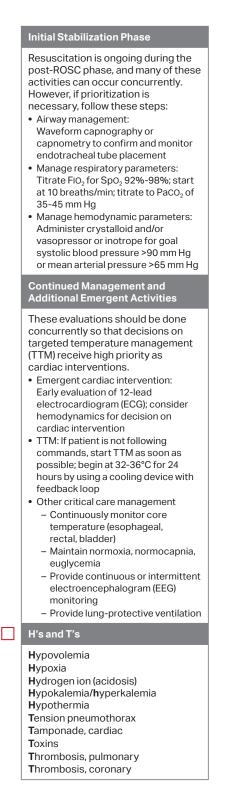


Adult Tachycardia With a Pulse Algorithm

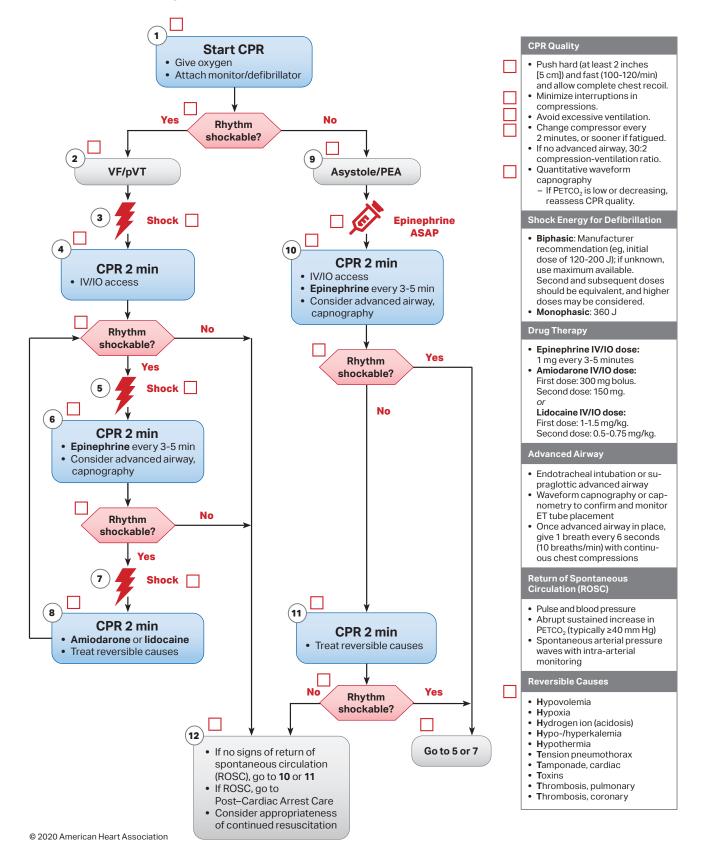


Adult Post–Cardiac Arrest Care Algorithm

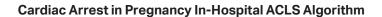


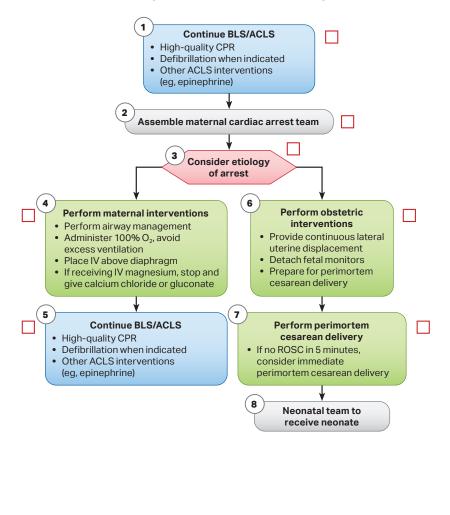


Adult Cardiac Arrest Algorithm (VF/pVT/Asystole/PEA)



Cardiac Arrest in Pregnancy In-Hospital ACLS Learning Station Checklist





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Maternal Cardiac Arrest

- Team planning should be done in collaboration with the obstetric, neonatal, emergency, anesthesiology, intensive care, and cardiac arrest services.
- Priorities for pregnant women in cardiac arrest should include provision of high-quality CPR and relief of aortocaval compression with lateral uterine displacement.
- The goal of perimortem cesarean delivery is to improve maternal and fetal outcomes.
- Ideally, perform perimortem cesarean delivery in 5 minutes, depending on provider resources and skill sets.

Advanced Airway

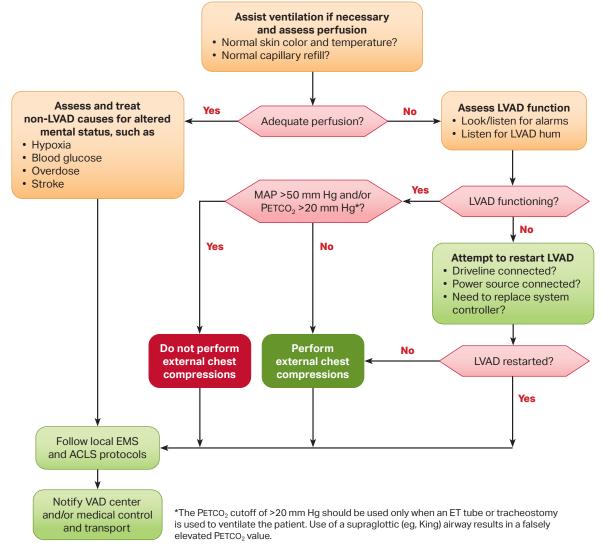
- In pregnancy, a difficult airway is common. Use the most experienced provider.
- Provide endotracheal
- intubation or supraglottic advanced airway. • Perform waveform
- capnography or capnometry to confirm and monitor ET tube placement.
- Once advanced airway is in place, give 1 breath every
 6 seconds (10 breaths/min) with continuous chest compressions.

Potential Etiology of Maternal Cardiac Arrest

- A Anesthetic complications
- B Bleeding
- C Cardiovascular
- D Drugs
- E Embolic
- F Fever
- **G** General nonobstetric causes of cardiac arrest (H's and T's)
- H Hypertension

Adult Ventricular Assist Device Learning Station Checklist

Adult Ventricular Assist Device Algorithm



Megacode Practice Learning Station Checklist: Case 48 Tachycardia → VF → Asystole → PCAC

Student Name _____

Date of Test

Critical Performance Steps						Check if done correctly
Team Leader						
Assigns team me	mber roles					
Ensures high- quality CPR at all times	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80%		Ventilation (optional)	
Ensures that tear	n members comm	nunicate well				
Tachycardia N	lanagement					
Starts oxygen if r	needed, places mo	onitor, starts IV				
	ads in proper pos					
Recognizes unsta						
Recognizes symp	otoms due to resp	iratory arrest (chok	king)			
VF Manageme	ent					
Recognizes VF						
Clears before and	alyze and shock					
Immediately resu	mes CPR after sh	ocks				
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 appr	opriate drug(s) an	d doses				
Immediately resu	mes CPR after rhy	/thm and pulse che	ecks			
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 targete	ed temperature m	anagement				
STOP TEST						
Test Results	Circle PASS or N	R to indicate pass	or needs remediat	ion:	PASS	NR
Instructor Initials Instructor Number Date						
Learning Station	n Competency					

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

Megacode Practice Learning Station Checklist: Case 49/52/57/60/62 Tachycardia \rightarrow VF \rightarrow PEA \rightarrow PCAC

Student Name _____

Date of Test

Critical Performance Steps						Check if done correctly
Team Leader						
Assigns team me	mber roles					
Ensures high- quality CPR at all times	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80%		Ventilation (optional)	
Ensures that tear	n members comm	nunicate well				
Tachycardia M	lanagement					
Starts oxygen if r	needed, places mo	onitor, starts IV				
Places monitor le	ads in proper pos	ition				
Recognizes unsta	able tachycardia					
Performs immedi	ate synchronized	cardioversion				
VF Manageme	ent					
Recognizes VF						
Clears before and	alyze and shock					
	mes CPR after sh	ocks				
Appropriate airway management						
Appropriate cycles of drug–rhythm check/shock–CPR						
Administers appropriate drug(s) and doses						
PEA Managen	nent					
Recognizes PEA						
Verbalizes potent	tial reversible caus	ses of PEA (H's and	T's)			
	opriate drug(s) an					
Immediately resu	mes CPR after rhy	/thm and pulse che	ecks			
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 target	ed temperature m	anagement				
STOP TEST						
Test Results	Circle PASS or N	R to indicate pass	or needs remedia	tion:	PASS	NR
Instructor Initials	Instru	ctor Number		Date _		
Learning Statio	n Competency					

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

Megacode Practice Learning Station Checklist: Case 50 Bradycardia → Pulseless VT → Asystole → PCAC

Student Name _____

Date of Test

	С	ritical Performa	nce Steps			Check if done correctly
Team Leader						
Assigns team me	ember roles					
Ensures high- quality CPR at all times	Compression rate 100-120/min	e Compression depth of ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)	
Ensures that team members communicate well						
Bradycardia M	lanagement					
Starts oxygen if r		nonitor, starts IV				
Places monitor le						
Recognizes symp						
Administers corre						
Prepares for seco	ond-line treatme	nt				
Pulseless VT	Management					
Recognizes pVT						
Clears before and	alyze and shock					
Immediately resu		hocks				
Appropriate airway management						
Appropriate cycles of drug–rhythm check/shock–CPR Administers appropriate drug(s) and doses						
Asystole Man						
Recognizes asys		6				
Verbalizes potential reversible causes of asystole (H's and T's)						
Administers appropriate drug(s) and doses						
Immediately resumes CPR after rhythm and pulse checks						
Post-Cardiac	Arrest Care					
Identifies ROSC		(1.6	
		performed, O ₂ satur			ed for	
endotracheal intubation and waveform capnography, and orders laboratory tests Considers targeted temperature management						
3			P TEST			
Test Results	Circle PASS or	NR to indicate pass	or needs remediat	ion:	PASS	NR
Instructor Initials	Inst	ructor Number		Date _		
Learning Station Competency □ Bradycardia □ Tachycardia □ Cardiac Arrest/Post–Cardiac Arrest Care □ Megacode Praction						ractice

Megacode Practice Learning Station Checklist: Case 51/54 Bradycardia \rightarrow Pulseless VT \rightarrow PEA \rightarrow PCAC

Student Name _____

Date of Test _____

Critical Performance Steps						Check if done correctly
Team Leader						
Assigns team member role	S					
Ensures high- quality CPR at all times	sion rate Comp	ression ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)	
Ensures that team member	rs communicate v	well		· · · · · · · · · · · · · · · · · · ·		
Bradycardia Managen	nent					
Starts oxygen if needed, pl		rts IV				
Places monitor leads in pro						
Recognizes symptomatic b	oradycardia					
Administers correct dose of	of atropine					
Prepares for second-line tr	eatment					
Pulseless VT Manage	ment					
Recognizes pVT						
Clears before analyze and s						
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	ble causes of PE	A (H's and .	T'e)			
Verbalizes potential reversible causes of PEA (H's and T's) Administers appropriate drug(s) and doses						
Immediately resumes CPR after rhythm and pulse checks						
Post-Cardiac Arrest (-					
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 PA	SS or NR to indic	ate pass c	or needs remediat	ion:	PASS	NR
Instructor Initials	Instructor Num	nber		Date_		·
Learning Station Compet	-	c Arrest/P	ost–Cardiac Arre	st Care ⊓M	egacode P	ractice

Megacode Practice Learning Station Checklist: Case 53 Tachycardia → VF → Asystole → PCAC

Student Name _____

Date of Test _____

Critical Performance Steps					Check if done correctly
Team Leader					
Assigns team member roles					
Ensures high- Compression rate C	ompression h of ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)	
Ensures that team members communic	ate well				
Tachycardia Management					
Starts oxygen if needed, places monito	r, starts IV				
Places monitor leads in proper position					
Recognizes unstable tachycardia			· · · · · · · · · · · · · · · · · · ·		
Recognizes symptoms due to tachycar	dia				
Performs immediate synchronized card	ioversion				
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 do					
Asystole Management					
Recognizes asystole	facystolo (H's	and T's)			
Verbalizes potential reversible causes of asystole (H's and T's) Administers appropriate drug(s) and doses					
Immediately resumes CPR after rhythm and pulse checks					
Post-Cardiac Arrest Care					
Identifies ROSC					
Ensures BP and 12-lead ECG are perfor	med. O ₂ satura	tion is monitored.	verbalizes nee	ed 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 o	or needs remediat	ion:	PASS	NR
Instructor Initials Instructor	Number		Date _		
Learning Station Competency	ardiac Arrest/P	Post–Cardiac Arres	st Care □ M	egaçode P	ractice

Megacode Practice Learning Station Checklist: Case 55/58 Tachycardia \rightarrow Pulseless VT \rightarrow PEA \rightarrow PCAC

Student Name _____

Date of Test _____

Critical Performance Steps		Check if done correctly		
Team Leader				
Assigns team member roles				
Ensures high- quality CPR at all timesCompression rate 100-120/minCompression depth of ≥2 inchesChest compression fraction >80%Chest recoil (optional)	Ventilation (optional)			
Ensures that team members communicate well	<u>.</u>			
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				
Pulseless VT Management				
Recognizes pulseless VT				
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 and pulse checks				
Post-Cardiac Arrest Care				
Identifies ROSC				
Ensures BP and 12-lead ECG are performed, O ₂ saturation is monitored, verbalizes no	eed 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	e	·		
Learning Station Competency Bradycardia Tachycardia Cardiac Arrest/Post–Cardiac Arrest Care	Megacode P	ractice		

Megacode Practice Learning Station Checklist: Case 56/59 Bradycardia → VF → Asystole → PCAC

Student Name _____

Date of Test

Critical Performance Steps		Check if done correctly			
Team Leader					
Assigns team member roles					
Ensures high- quality CPR at all timesCompression rate 100-120/minCompression depth of ≥2 inchesChest compression fraction >80%Chest recoil (optional)Ventil 	I				
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					
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 and pulse 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: PA	ASS	NR			
Instructor Initials Instructor Number Date					
Learning Station Competency Bradycardia Tachycardia Cardiac Arrest/Post–Cardiac Arrest Care Megacode Pract					

Megacode Practice Learning Station Checklist: Case 61 Tachycardia \rightarrow VF \rightarrow PEA \rightarrow PCAC

Student Name _____

Date of Test

	Cri	tical Performai	nce Steps			Check if done correctly
Team Leader						
Assigns team me	mber roles					
Ensures high- quality CPR at all times	Compression rate 100-120/min	Compression depth of ≥2 inches	Chest compression fraction >80%	Chest recoil (optional)	Ventilation (optional)	
Ensures that tear	n members comm	nunicate well				
Tachycardia M	lanagement					
Starts oxygen if r	eeded, places mo	onitor, starts IV				
Places monitor le	ads in proper pos	ition				
Recognizes unsta	able tachycardia					
Recognizes symp	otoms due to guns	shot wound				
VF Manageme	ent					
Recognizes VF						
Clears before ana	lyze and shock					
Immediately resu	mes CPR after sh	ocks				
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)						
	opriate drug(s) an					
Immediately resu	mes CPR after rhy	/thm and pulse che	ecks			
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 targete	ed temperature m	anagement				
STOP TEST						
Test Results	Circle PASS or N	R to indicate pass	or needs remediat	ion:	PASS	NR
Instructor Initials Instructor Number Date						
Learning Station	Competency					

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