TACHYCARDIA (With a Pulse)

ALL PROVIDERS

Ш	Focused history and physical exam	
	 Assess blood glucose level 	
	Continuous ECG, ETCO2, blood pressure, and pulse of	ximetry monitoring when available
	Acquire and transmit a 12L EKG if possible.	
	Key Considerations	
	 Pregnancy >20 weeks gestation - Place wedge-sha hip. 	aped cushion or multiple pillows under patient's right
	 Pediatric lowest acceptable systolic blood pressure = 70mmHg, 1 year to 10 years is = 70mmHg + (ag 	es are birth to 1 month = 60 mmHg, 1 month to 1 year ge x 2) and over 10 years = 90 mmHg.
	ADULT	PEDIATRIC (<15 years of Age) NOTE: Pediatric weight based dosing should not exceed Adult dosing.
	AEMT	AEMT
	AEMT Vascular access and fluid therapy.	

PARAMEDIC

Supraventricular Tachycardia (SVT)

- □ Adenosine
 - Initial dose: 6 mg IV
 - May repeat once: 12mg IV

Stable Wide Complex (QRS > 120 msec) Tachycardia

☐ Transport to ED with IV in place and careful monitoring

Unstable Tachycardia – Synchronized Cardioversion

Signs/Symptoms of Unstable Tachycardia

- Acute cardiac chest pain
- Acute congestive heart failure / pulmonary edema
- Altered mental status
- SBP < 90 mm Hg
- Signs of shock:
 - o Cool, clammy, or pale skin
 - Weak or thready pulse

Synchronized Cardioversion

- Indicated for unstable patients
- These are initial doses:
 - Narrow Regular: 50-100J (mono- or biphasic)
 - o Narrow Irregular: 120-200J biphasic and 200J monophasic
 - o Wide Regular: 100J (mono- or bi-phasic)
 - Wide Irregular: defibrillate without synchronization
- Consider Procedural related anxiety management (refer to the Pain/Anxiety Management Protocol)

PARAMEDIC

Supraventricular Tachycardia (SVT)

- □ Adenosine
 - Initial dose: 0.1mg/kg IV (to max 6mg)
 - May repeat once: 0.2mg/kg IV (to max 12mg)

Stable Wide Complex (QRS > 120 msec) Tachycardia

☐ Transport to ED with IV in place and careful monitoring

Unstable Tachycardia – Synchronized Cardioversion

Signs/Symptoms of Unstable Tachycardia

- Acute congestive heart failure / pulmonary edema
- Altered mental status
- Low BP for age
- Signs of shock:
 - o Cool, clammy, or pale skin
 - Weak or thready pulse

Synchronized Cardioversion

- Indicated for unstable patients
- Initial energy dose is 0.5-1 J/kg
- If no response, double energy dose to 2 J/kg
- Consider Procedural related anxiety management (refer to the Pain/Anxiety Management Protocol)