



Jackson Hole Fire/EMS Operations Manual

Approved by: Will Smith
Will Smith, MD, Medical Director

Title: **Tachycardia with a pulse (Adult)**
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Approved by: Willy Watsabaugh
Willy Watsabaugh, Chief

Tachycardia with a Pulse (Adult) (Treatment Protocol)

ALS PROVIDERS per Skill level

- Assess vitals and rhythm
- Maintain airway/Oxygen sats >94%
- Cardiac monitor to identify rhythm

Persistent Tachydysrhythmia causing:

- Hypotension?
- Acutely altered mental status?
- Signs of shock?
- Ischemic Chest discomfort?

YES

Synchronized cardioversion

- Consider sedation
- If regular narrow complex, consider **Adenosine**

NO

Wide QRS?
>0.12 second

YES

- IV access and 12-lead ECG
- Consider **Adenosine** only if regular and monomorphic
- Consider **Amiodarone**

NO

- IV access and 12-lead ECG
- Vagal maneuvers
- **Adenosine** (if regular)

Doses/Details

Synchronized Cardioversion:
(initial dose, increase prn to 360 J)

- Narrow regular: **100 J**
- Narrow irregular: **100- 200 J**
- Wide irregular/unstable: defibrillation dose (NOT synchronized)

Adenosine:

- 1st dose: 6 mg rapid IV push
- 2nd dose: 12 mg, if required

Amiodarone:

- 150 mg IV/IO over 10 minutes

Sedation -if needed:

- Versed 2-4 mg IV/IO/IN

Search for and treat possible contributing factors (H's & T's)

- | | |
|---------------------------|--------------------------------------|
| ✓ Hypovolemia | ✓ Toxins |
| ✓ Hypoxia | ✓ Tamponade, cardiac |
| ✓ Hydrogen Ion (acidosis) | ✓ Tension pneumothorax |
| ✓ Hypo-/hyperkalemia | ✓ Thrombosis (coronary or pulmonary) |
| ✓ Hypoglycemia | ✓ Trauma |
| ✓ Hypothermia | |