

**IDENTIFY AND TREAT UNDERLYING CAUSE**

- MAINTAIN PATENT AIRWAY
  - > Assist breathing as necessary
- OXYGEN
- CARDIAC MONITOR TO IDENTIFY RHYTHM
  - > Monitor blood pressure and oximetry
- IO / IV ACCESS
- 12-LEAD ECG IF AVAILABLE
  - > Don't delay therapy

**Synchronized Cardioversion**

Start with 0.5 - 1 J/kg:

- If ineffective, increase to 2 J/kg
- Do not delay cardioversion; sedate if needed

**Adenosine IO/IV Dose**

- First dose: 0.1 mg/kg rapid bolus (maximum of 6 mg)
- Second dose: 0.2 mg/kg rapid bolus (maximum of 12 mg)

**Probable sinus tachycardia**

- > Compatible history consistent with known cause
- > P waves present/normal
- > Variables RR with constant PR
- > Infants: rate usually <220/min
- > Children: rate usually <180/min

**EVALUATE RHYTHM**  
Use 12-lead ECG or monitor

**Cardiopulmonary Compromise?**

- > Acutely altered mental state
- > Signs of shock
- > Hypotension

Search for and treat cause

**EVALUATE QRS DURATION**

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**Probable supraventricular tachycardia**

- > Compatible history (vague, nonspecific; history of abrupt rate changes)
- > P waves absent/normal
- > HR not variables with activity
- > Infants: rate usually  $\geq 220$ /min
- > Children: rate usually  $\geq 180$ /min

Possible Ventricular Tachycardia

Synchronized cardioversion

**Expert consultation Recommended**

- > Amiodarone
- > Procainamide

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Possible Ventricular Tachycardia

Consider Adenosine  
If rhythm regular and QRS monomorphic

**Expert consultation Recommended**

- > Amiodarone
- > Procainamide

- > If IO/IV access present, give adenosine 0.1 mg/kg rapid bolus (maximum first dose 6 mg)
- > May give second dose of 0.2 mg/kg rapid bolus (maximum second dose 12 mg)
- > Or if no IO/IV access or adenosine ineffective, synchronized cardioversion

Consider vagal maneuvers  
Do not Delay

- > If IO/IV access present, give adenosine 0.1 mg/kg rapid bolus (maximum first dose 6 mg)
- > May give second dose of 0.2 mg/kg rapid bolus (maximum second dose 12 mg)
- > Or if no IO/IV access or adenosine ineffective, synchronized cardioversion

