Pediatric Specific: TACHYCARDIA WITH PULSES – PEDIATRIC Medical Protocol

Patient Care Goals:
1. Maintain adequate oxygenation, ventilation, and perfusion
2. Restore regular sinus rhythm, correct rhythm disturbance if unstable
3. Search for underlying cause (medications, drugs, CHF, history of dysrhythmia)

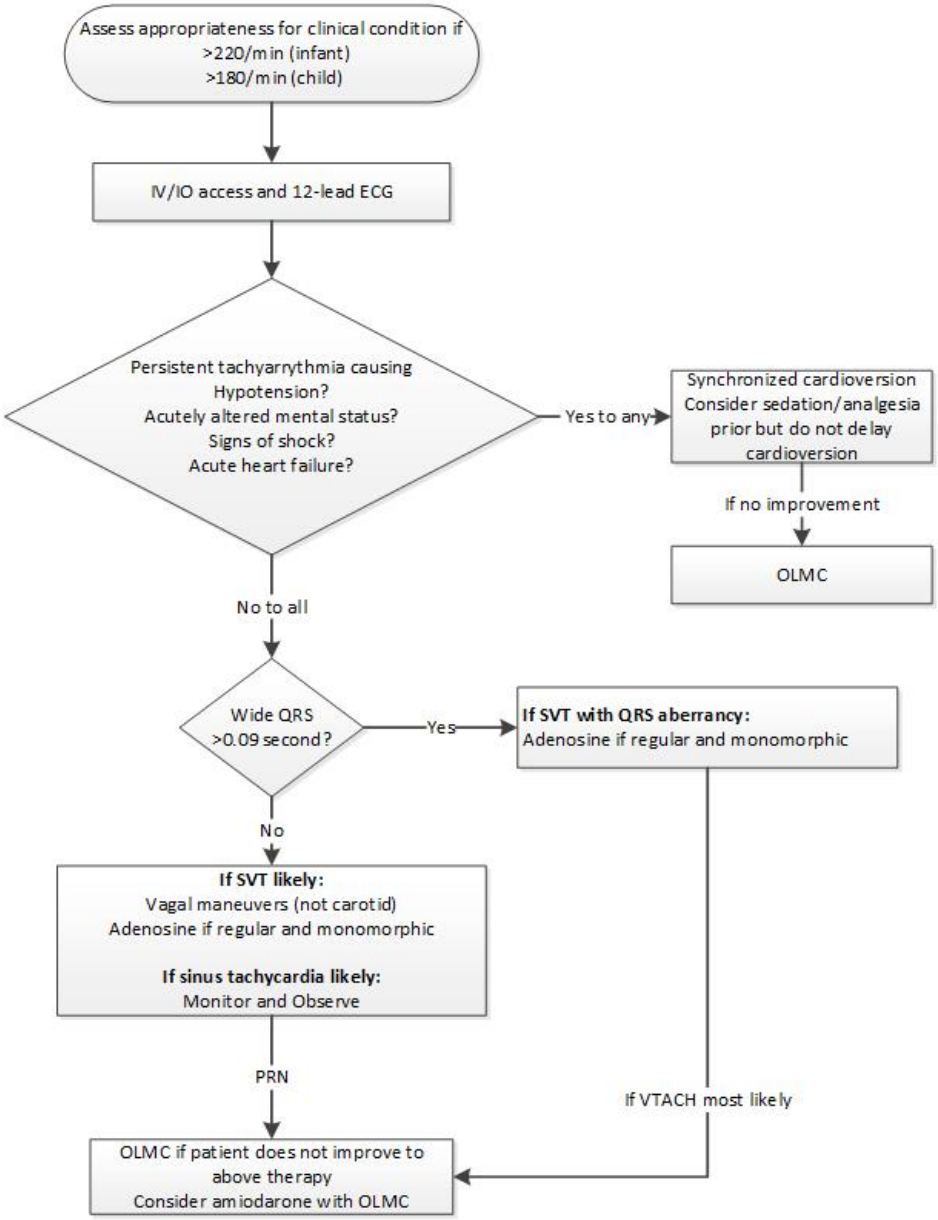
Patient Presentation:
May present with symptoms such as palpitations, dyspnea, chest pain, syncope/near syncope, hemodynamic instability, altered mental status
Inclusion Criteria
Heart rate >220/min (infant) or >180/min (child)
Exclusion criteria
Sinus tachycardia

Adenosine:
Adenosine 0.1 mg/kg (max single does of 6 mg) IV followed immediately by rapid 10ml flush of NSS. May repeat one additional dose at 0.2 mg/kg (max single dose of 12 mg) if no improvement within 5 minutes.

Amiodarone:
5 mg/kg IV infusion over 30 minutes (max dose of 300 mg).

Synchronized Cardioversion:
AP Pad Placement
1 J/kg initially; 2 J/kg for subsequent doses.

Sedation/Analgesia PRN stability:
Midazolam 0.1 mg/kg max of 2 mg
Fentanyl 0.5 to 1 mcg/kg max of 100 mcg.

Quality Improvement:
Key Documentation Elements
1. Heart rate and rhythm changes
2. Interventions
3. Mental status or signs of instability

Patient Safety Considerations
Routine use of lights and sirens is not recommended during transport unless hemodynamically unstable