



# Yolo County Emergency Medical Services Agency

## Protocols

Revised Date: May 1, 2024

<b>TACHYCARDIA WITH PULSES</b>		
<b>Adult</b>	<b>Pediatric</b>	
<b>BLS</b>		
Assess vital signs O <sub>2</sub> , titrate SpO <sub>2</sub> to ≥ 94% Assist ventilations as needed		
<b>ALS</b>		
Cardiac Monitor, Waveform EtCO <sub>2</sub> , Vascular Access		
<b>Stable Tachycardia</b>		
Obtain 12-Lead ECG		
<b>Sinus Tachycardia</b>		
Treat underlying cause	Treat underlying cause	
<b>Fluid Bolus NS 250 mL IV</b> <ul style="list-style-type: none"> <li>May repeat as needed</li> </ul>	<b>Fluid Bolus NS 20 mL/kg IV</b> <ul style="list-style-type: none"> <li>Titrate to age appropriate SBP</li> </ul>	
<b>Narrow QRS</b>		
<b>Regular Rhythm (SVT) HR &gt; 150</b>	<b>Irregular Rhythm (A-Fib/A-Flutter) HR &gt; 150</b>	<b>Regular Rhythm (SVT) – QRS &lt; 0.08 secs Infant HR &gt; 220 - Child HR &gt; 180</b>
Valsalva Maneuver  <b>Adenosine 6 mg</b> rapid IV push <ul style="list-style-type: none"> <li>Rapid flush with <b>NS 20 mL</b></li> </ul> <p style="text-align: center;"><u>If no response in 2 minutes</u></p> <b>Adenosine 12 mg</b> rapid IV push <ul style="list-style-type: none"> <li>Rapid flush with <b>NS 20 mL</b></li> </ul>	Monitor Patient  <u>If Signs of Hypotension</u>  <b>Fluid Bolus NS 250 mL IV</b> <ul style="list-style-type: none"> <li>May repeat as needed</li> </ul>	Valsalva Maneuver  <span style="color: red; text-decoration: underline;">Base Hospital Order</span>  <b>Adenosine 0.1 mg/kg</b> rapid IV push <ul style="list-style-type: none"> <li>Max dose 6 mg</li> <li>Rapid flush with <b>NS 20 mL</b></li> </ul> <p style="text-align: center;"><u>If no response in 2 minutes</u></p> <b>Adenosine 0.2 mg/kg</b> rapid IV push <ul style="list-style-type: none"> <li>Max dose 12 mg</li> <li>Rapid flush with <b>NS 20 mL</b></li> </ul>



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<b>ALS cont.</b>	
<b>Wide QRS</b>	
<b>Adult</b>	<b>Pediatric</b>
<b>Amiodarone Drip 150 mg in D5W 100 mL IV</b> <ul style="list-style-type: none"> <li>Give over 10 minutes (100 gtts/minute with 10 gtts/mL set)</li> <li>No repeat</li> </ul>	<u>Early contact Receiving ED</u>
<b>Unstable Tachycardia</b>	
<b>Synchronized Cardioversion</b> <ul style="list-style-type: none"> <li>Use ACLS recommended energy dose</li> </ul>	<b>Synchronized Cardioversion 0.5 – 1 J/kg</b> <ul style="list-style-type: none"> <li>Increase to <b>2 J/kg</b> if ineffective</li> </ul>
<b>Consider</b>	
Consider pre-cardioversion sedation	
<b>Direction</b>	
<ul style="list-style-type: none"> <li>Contact Base Hospital if unsure of rhythm or for additional treatment</li> </ul>	