

<b>Ventricular Tachycardia Sustained – Not in Arrest</b>	
<b>Adult</b>	<b>Pediatric</b>
<b>BLS Procedures</b>	
Administer oxygen as indicated	
<b>ALS Standing Orders</b>	
<p>12 Lead ECG (do not delay synchronized cardioversion for obtaining ECG if unstable)</p> <p>IV/IO Access</p> <p><u>Stable</u></p> <ul style="list-style-type: none"> <li>• <b>Amiodarone</b> <ul style="list-style-type: none"> <li>○ IVPB/IOPB - 150 mg in 50mL D<sub>5</sub>W infused over 10 minutes</li> </ul> </li> </ul> <p><u>Unstable – hypotension with signs of hypoperfusion</u></p> <ul style="list-style-type: none"> <li>• <b>Fentanyl (Prior to cardioversion)</b> <ul style="list-style-type: none"> <li>○ Consider for analgesia in patients who are <u>awake and alert</u>.                             <ul style="list-style-type: none"> <li>▪ Can be given with SBP less than 90, if there will be no delay in cardioversion.</li> </ul> </li> <li>○ 1 mcg/kg IV/IO/IN</li> </ul> </li> </ul> <p><b>Monomorphic VT</b></p> <ul style="list-style-type: none"> <li>• <b>Synchronized Cardioversion</b> <ul style="list-style-type: none"> <li>○ <b>Zoll</b> 100, 120, 150, 200 joules</li> <li>○ <b>Lifepak</b> 100, 200, 300, 360 joules</li> </ul> </li> </ul> <p><b>Polymorphic (irregular) VT</b></p> <ul style="list-style-type: none"> <li>• <b>Defibrillate</b> <ul style="list-style-type: none"> <li>○ <b>Lifepak</b> 360 joules</li> <li>○ <b>Zoll</b> 200 joules</li> </ul> </li> </ul> <p>If recurrent VT, perform synchronized cardioversion or defibrillation at last successful joules setting.</p> <p><u>Torsades de Pointes</u></p> <ul style="list-style-type: none"> <li>• <b>Magnesium Sulfate</b> <ul style="list-style-type: none"> <li>○ IVPB/IOPB – 2 g in 50 mL D<sub>5</sub>W infused over 5 min</li> <li>○ May repeat x 1 if Torsades continues or recurs</li> </ul> </li> </ul>	<p>12 Lead ECG (do not delay synchronized cardioversion for obtaining ECG if unstable)</p> <p>IV/IO Access</p> <p><u>Stable</u></p> <ul style="list-style-type: none"> <li>• <b>Amiodarone</b> <ul style="list-style-type: none"> <li>○ IVPB/IOPB – 5 mg/kg (max 150 mg) in 50mL D<sub>5</sub>W infused over 10 minutes</li> </ul> </li> </ul> <p><u>Unstable – hypotension with signs of hypoperfusion</u></p> <ul style="list-style-type: none"> <li>• <b>Fentanyl (Prior to Cardioversion)</b> <ul style="list-style-type: none"> <li>○ Consider for analgesia in patients who are <u>awake and alert</u>.                             <ul style="list-style-type: none"> <li>▪ Can be given with SBP less than Handtevy minimum if there will be no delay in cardioversion.</li> </ul> </li> <li>○ 1 mcg/kg IV/IO/IN</li> </ul> </li> </ul> <p><b>Monomorphic VT</b></p> <ul style="list-style-type: none"> <li>• <b>Synchronized Cardioversion</b> <ul style="list-style-type: none"> <li>○ 0.5, 1, 2, 4, 6, 8 joules/kg</li> </ul> </li> </ul> <p><b>Polymorphic (irregular) VT</b></p> <ul style="list-style-type: none"> <li>• <b>Defibrillate</b> <ul style="list-style-type: none"> <li>○ 2, 4, 6, 8 joules/kg</li> </ul> </li> </ul> <p>If recurrent VT, perform synchronized cardioversion or defibrillation at last successful joules setting.</p> <p><u>Torsades de Pointes</u></p> <ul style="list-style-type: none"> <li>• <b>Magnesium Sulfate</b> <ul style="list-style-type: none"> <li>○ IVPB/IOPB – 50 mg/kg (max 2 g) in 50 mL D<sub>5</sub>W infused over 5 min</li> <li>○ May repeat x 1 if Torsades continues or recurs</li> </ul> </li> </ul>
<b>Base Hospital Orders only</b>	
<p><u>ED Physician Order Only:</u> After synchronized cardioversion or defibrillation, if patient converts to narrow complex rhythm greater than 50 bpm and not in 2<sup>nd</sup> or 3<sup>rd</sup> degree heart block, and amiodarone not already given, consider amiodarone - 150 mg IVPB/IOPB in D<sub>5</sub>W infused over 10 minutes.</p>	
<p>Additional Information:</p> <ul style="list-style-type: none"> <li>• Early base hospital contact is recommended in unusual circumstances, e.g. Torsades de Pointes, Tricyclic OD and renal failure.</li> <li>• Ventricular tachycardia (VT) is a rate greater than 150 bpm.</li> </ul>	