



HEMORRHAGE CONTROL	
ADULT	PEDIATRIC
<b>BLS Procedures</b>	
<p>Assess Airway.            Control Severe Bleeding as appropriate.            Assess need for SSMR.            Assess Vitals.            Oxygen, Titrate to SPO2 of 94% or higher.            Assess for Appropriate Trauma Triage Criteria (553.25).            Prevent Heat Loss, cover with blankets to keep patient warm.</p> <p><b>Bleeding Control</b> – Stop active bleeding with direct pressure, wound packing, hemostatic dressings and if necessary, apply a tourniquet.            *** EMT's may apply TXA soaked dressings when prepared and directed by the treating Paramedic***</p>	
<b>ALS Standing Orders</b>	
<p>Obtain ECG.            IV/IO as necessary – at least 1 large bore IV access.</p>	
<b>Suspected Hemorrhagic Shock</b>	
<p><b>SBP &lt; 90 mmHg or HR &gt; SBP</b>            500 ml fluid bolus IV/IO</p> <ul style="list-style-type: none"> <li>Reassess vitals</li> <li>May repeat as needed to a max of 1000 ml</li> <li>Titrate to SBP of 90mmHg.</li> </ul>	<p><b>0-9 yrs: SBP 70 mmHg + (2 x age) / 10 + yrs: SBP &lt; 90mmHg</b>            Fluid bolus 20ml/kg – max single dose 500 ml</p> <ul style="list-style-type: none"> <li>Reassess vitals</li> <li>May repeat as needed x 2</li> <li>Titrate to stated minimum SBP.</li> </ul>
<b>TXA – Adult – Hemorrhagic Shock</b>	
<p><b>TXA 2 gm</b> Slow IV push over 1 minute or 2 gm in 100 ml infused over 5 minutes</p> <ul style="list-style-type: none"> <li>No repeat.</li> </ul> <p><b>For immediate (&lt; 3 hrs.) extreme post-partum hemorrhage with associated hypotension.</b></p> <p><b>TXA 1 gram</b> IV/IO, slow IVP over 1 minute or IV infusion in 100 ml infused over 5 minutes</p> <ul style="list-style-type: none"> <li>No repeat.</li> </ul>	<p style="text-align: center;"><b>TXA Inclusion Criteria</b></p> <ul style="list-style-type: none"> <li>Blunt or Penetrating torso trauma including multi-system trauma</li> <li>Injury occurred 3 hrs. or less</li> <li>SBP &lt; 90 mmHg or HR &gt; SBP</li> <li>Age 15 or greater</li> </ul> <p style="text-align: center;"><b>TXA Contraindications</b></p> <ul style="list-style-type: none"> <li>Isolated head injury</li> <li>Isolated spinal shock with gross motor deficiencies</li> <li>Isolated extremity injury</li> <li>Stroke, MI, PE, or DVT within the past 24 hrs</li> <li>Traumatic Arrest with &gt; 5 minutes of CPR</li> <li>Known allergy to TXA.</li> </ul>
<b>TXA – Non-Hemorrhagic Shock</b>	
<p style="text-align: center;"><b>Severe Oral Bleeding or Epistaxis</b></p> <p>Patients suffering from acute severe oral bleeding (tonsillectomy) or epistaxis</p> <ul style="list-style-type: none"> <li><b>TXA 500 mg</b> nebulized</li> <li>No repeat.</li> </ul> <p style="text-align: center;"><b>Uncontrolled Bleeding from Wound</b></p> <ul style="list-style-type: none"> <li><b>TXA 500 mg</b> apply soaked gauze to wound</li> <li>No repeat.</li> </ul> <p style="text-align: center;"><b>TXA Contraindications</b></p> <ul style="list-style-type: none"> <li>Stroke, MI, PE, or DVT within the past 24 hrs</li> <li>Known allergy to TXA.</li> </ul>	<p style="text-align: center;"><b>Severe Oral Bleeding or Epistaxis</b></p> <p>Patients suffering from acute severe oral bleeding (tonsillectomy) or epistaxis</p> <ul style="list-style-type: none"> <li><b>&lt; 25 kg TXA 250 mg</b> nebulized</li> <li><b>&gt; 25 kg TXA 500 mg</b> nebulized</li> <li>No repeat.</li> </ul> <p style="text-align: center;"><b>Uncontrolled Bleeding from Wound</b></p> <ul style="list-style-type: none"> <li><b>TXA 500 mg</b> apply soaked gauze to wound</li> <li>No repeat.</li> </ul> <p style="text-align: center;"><b>TXA Contraindications</b></p> <ul style="list-style-type: none"> <li>Stroke, MI, PE, or DVT within the past 24 hrs</li> <li>Known allergy to TXA.</li> </ul>
<b>Special Considerations</b>	
<ul style="list-style-type: none"> <li>Consider TXA for adult trauma patients who had any hypotensive SBP during encounter</li> <li>Patients that meet Trauma Triage Criteria need to be transported to the appropriate Trauma Center as soon as possible.</li> <li>Only perform <u>Life Threatening Treatments</u> on scene, all other treatments should be performed while transporting patient.</li> </ul>	
<b>Base Hospital Orders Only</b>	