



Hemorrhage

Approval: Troy M. Falck, MD – Medical Director

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Approval: Victoria Pinette – Executive Director

Next Review: 09/2023

Approved Commercial Tourniquet Devices:

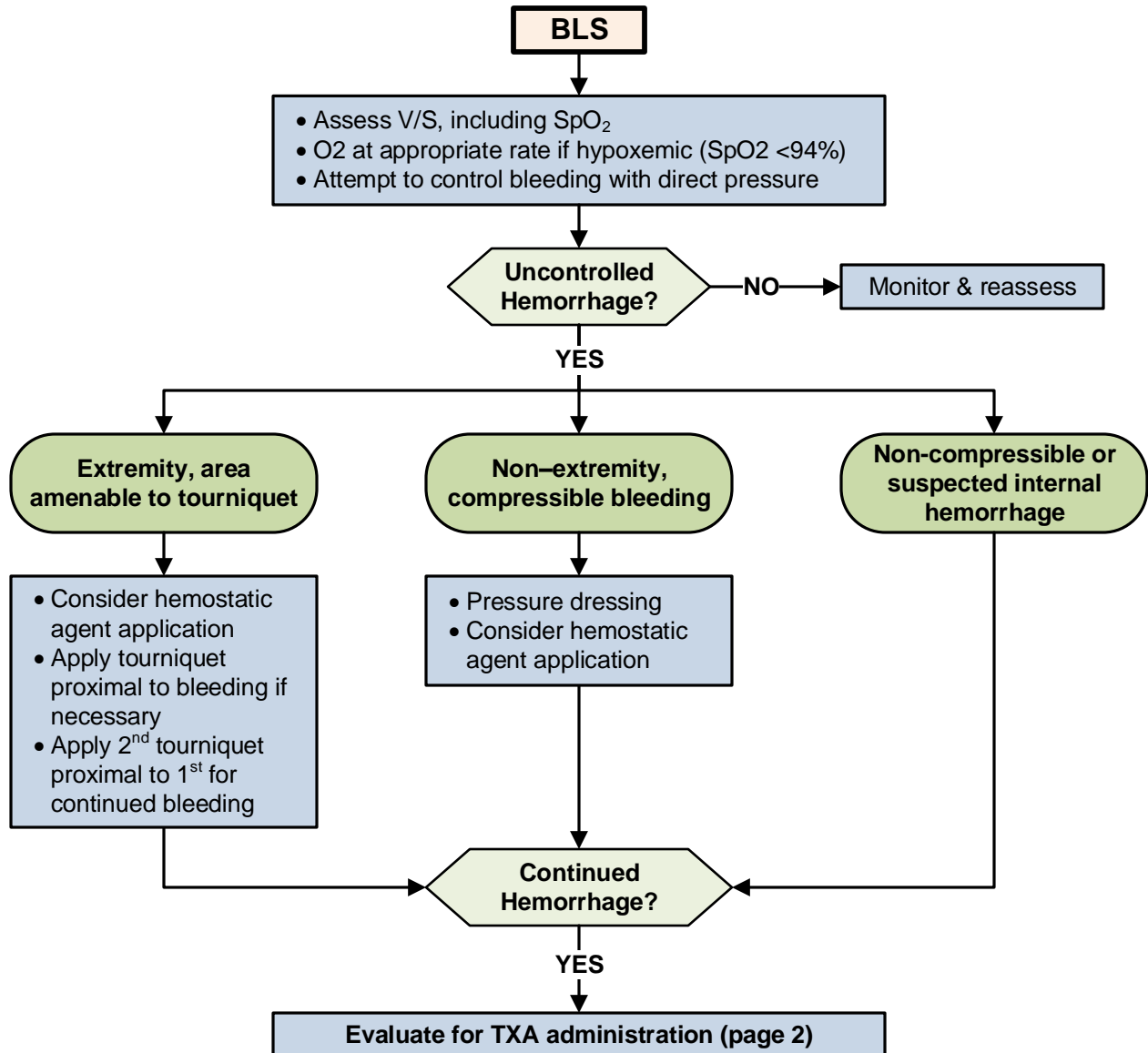
- Combat Application Tourniquet
- Emergency and Military Tourniquet
- Mechanical Advantage Tourniquet
- SAM XT Extremity Tourniquet
- Special Ops. Tactical Tourniquet
- RECON Medical Tourniquet

Tourniquet Utilization Notes:

- Tourniquets applied by lay rescuers or other responders shall be evaluated for appropriateness and may be adjusted or removed if necessary – improvised tourniquets should be removed by prehospital personnel.
- If application is indicated and appropriate, a commercial tourniquet should not be loosened or removed by prehospital personnel unless time to definitive care will be greatly delayed (>2 hrs).

Approved Hemostatic Agents:

- QuikClot Emergency 4x4 and/or Combat Gauze Z-Fold
- HemCon ChitoGauze Pro Z-Fold





Hemorrhage

Tranexamic Acid (TXA) Administration

ALS

TXA INCLUSION CRITERIA

Does pt meet the following inclusion criteria?

- Blunt or penetrating traumatic injury with signs/symptoms of hemorrhagic shock: including SBP <90 or <100 in pts ≥65 yo
- OR**
- Significant hemorrhage (either of the following):
 - Significant blood loss with HR >120
 - Hemorrhage not controlled by direct pressure, hemostatic agents, or commercial tourniquet application

NO

Monitor & reassess

YES

TXA EXCLUSION CRITERIA

Does pt. meet any of the following exclusion criteria?

- <15 yo
- Time since injury >3 hrs
- Isolated traumatic brain injury
- Thromboembolic event (i.e., stroke, MI, PE) in past 24 hrs
- Traumatic arrest with >5 mins of CPR without ROSC
- Hypotension secondary to suspected cervical cord injury with motor deficit or spinal shock

YES

NO

BASE/MODIFIED BASE HOSPITAL ORDER ONLY

Tranexamic Acid (TXA) IV/IO

- Mix 1gm TXA in 100mL D₅W or NS and infuse over 10 mins