

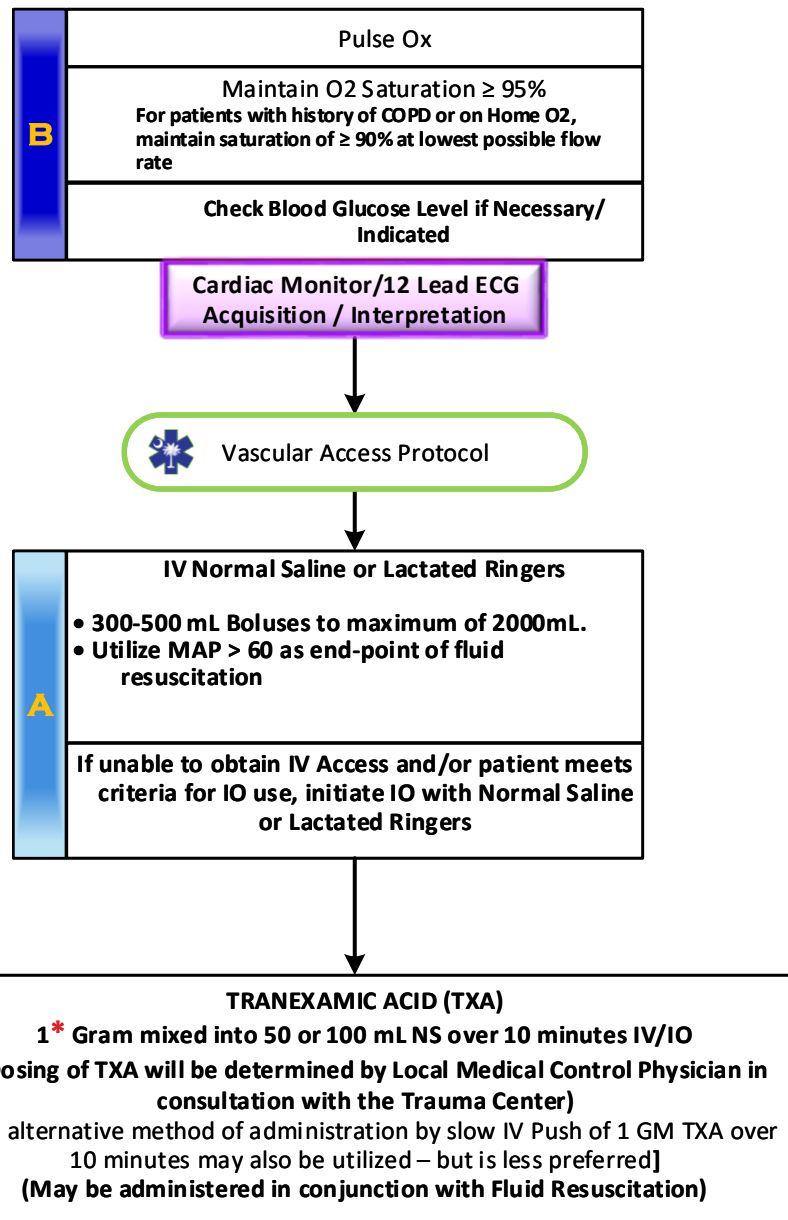


Tranexamic Acid (TXA)

This Protocol addresses treatment of the ADULT patient ≥ 18 years of age who presents with traumatic, life-threatening, non-compressible bleeding with any of the following:

- Systolic Blood Pressure < 90 mmHg
- Heart Rate > 120 beats per minute
- Bleeding or presumed bleeding that is NOT controllable by direct pressure, wound packing, or tourniquet application
- Major amputation of any extremity proximal to the wrist or ankle
- Significant Blood Loss (> 500 mL)

Services wishing to utilize TXA must have predefined letter of agreement or Memorandum of Understanding from the Trauma Center to which that service will transport these patients.





Tranexamic Acid (TXA)

PEARLS:

- **DO NOT ADMINISTER Tranexamic Acid (TXA) if ANY** of the following are present:
 - Time of injury is > 3 hours prior
 - Patient has an active (within the last 24 hours) thromboembolic event (active stroke, myocardial infarction, or pulmonary embolism)
 - Traumatic Arrest > 5 minutes
 - Any patient with a known allergy to Tranexamic Acid (TXA)
 - Penetrating Cranial injury
 - Traumatic Brain Injury (TBI) with exposed brain matter
 - Isolated hanging or drowning victims
 - Cervical Cord Injury with motor deficits
- In the bleeding patient, hemorrhage control and appropriate resuscitation remain the priority.
- **Prehospital TXA use should NEVER supersede** field bleeding control needs, prompt transport or the administration of blood/plasma products.
- $MAP = [SBP + (2 \times DBP)] / 3$
- **Key Documentation Elements**
 - Indications for utilization of TXA
 - Vital Signs
 - Dosage of TXA Administered
 - How TXA is Administered
 - IV Infusion
 - Slow (>10 minutes) IV Push
 - Documentation of patient Identification as having received TXA
 - Documentation of appropriate notification of receiving facility personnel at time of hand-off that patient has received TXA.



Tranexamic Acid (TXA)

TXA ADMINISTRATION GUIDELINES

Date _____ ePCR # _____

Patient Name _____

ALL of the following criteria must be met for TXA administration:

- Age \geq 18 years
- Traumatic mechanism
- Life-threatening hemorrhage
- Unresponsive to standard treatment

AND the addition of one or more of the following:

- SBP < 90 mmHg
- HR > 120 bpm (sustained)
- Bleeding not controlled with other measures
- Major amputation proximal to wrist or ankle
- Significant estimated blood loss of > 500 ml

The following are **EXCLUSION** criteria.

For **ANY YES ANSWER – WITHHOLD TXA ADMINISTRATION.**

- | <u>Yes</u> | <u>No</u> | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Time of injury with duration > 3 hours |
| <input type="checkbox"/> | <input type="checkbox"/> | Traumatic arrest duration > 5 minutes |
| <input type="checkbox"/> | <input type="checkbox"/> | Active thromboembolic event in last 24 hours |
| <input type="checkbox"/> | <input type="checkbox"/> | Known allergy or hypersensitivity to TXA |
| <input type="checkbox"/> | <input type="checkbox"/> | Penetrating cranial injury |
| <input type="checkbox"/> | <input type="checkbox"/> | Blunt TBI with exposed brain matter |
| <input type="checkbox"/> | <input type="checkbox"/> | Isolated hanging or drowning victims |
| <input type="checkbox"/> | <input type="checkbox"/> | Cervical cord injury with motor deficits |

Time of Administration: _____