



TRANEXAMIC ACID (TXA)

ADULT (≥15 y/o)

INDICATIONS

- Blunt/penetrating traumatic injury with SBP \leq 90mmHg
- -OR-
- Significant blood loss with bleeding not controlled by direct pressure, hemostatic agents, or tourniquet

ACTIONS

- Inhibits conversion of plasminogen to plasmin
- Reduces fibrinolysis and clot breakdown
- Stabilizes clot formation

APPLICABLE PROTOCOLS

- Policies Referenced:
 - [533-20: Shock - Hypotension](#)
 - [533-22: Traumatic Injuries](#)
 - [533-25: Potential Crush Injury](#)

ONSET & DURATION

- Onset of Action: 20 mins to 2 hours
- Duration of Action: 2-8 hours

CONTRAINDICATIONS

- Patients < 15 y/o
- Greater than 3 hours post-injury
- Isolated head injury
- Neurogenic shock (spinal injury with hypotension)
- Isolated extremity hemorrhage w/ controlled bleeding
- Active thrombotic event within 24 hours
 - i.e. Acute Stroke, Myocardial Infarction, Pulmonary Embolus, or Deep Vein Thrombosis
- Hypersensitivity or anaphylactic reaction to **TXA**
- Traumatic arrest with > 5 mins of CPR without ROSC
- Drowning or hanging victims

BLS Procedures

N/A

Expanded Scope

N/A

ALS Prior to Base Hospital Contact

Mixing the Concentration

- Maintain sterile technique
- Label the bag with the drug name and final concentration
 - Example: "**TXA** 1gm in 100mL"
- 10mg/mL concentration
 - Supplies needed:
 - 1- 1gm **Tranexamic Acid (TXA)**
 - 1- 100mL bag of 0.9% **Normal Saline**
 - Mixing instructions:
 - 1gm of **TXA** into 100mL **Normal Saline** bag

Administration

- Vascular Access
- IV/IO – Infuse 1gm (100mL) **TXA** over 10 mins

Base Hospital Physician Orders Only

Base Hospital Physician order is required for non-traumatic hemorrhagic conditions.

Additional Information

- TXA is indicated for patients with traumatic injuries per this policy.
- TXA may be administered for emergency medical conditions outside of these indications with Base Hospital Physician Order only.
- All adverse effects must be documented in ePCR and reported to the receiving hospital upon transfer of patient care.
 - Possible adverse effects may include: Hypotension with rapid IV infusion, chest tightness, difficulty breathing, facial flushing, blurred vision, nausea, vomiting, and diarrhea.