



**El Dorado County Emergency Medical
Services Agency**
Quick Reference

Revised Date: July 27, 2023

Medication Profile

Tranexamic Acid (TXA)

Class:

Antifibrinolytic agent

Action:

TXA inhibits fibrinolysis by displacing plasminogen from fibrin.

Onset: Immediate

Peak: Immediate

Duration: 3 hours

Adult Administration:

Mix 1 gram in 100mL/NS and infuse over 10 minutes.

Pediatric Administration:

Not used in patients younger than 15 years.

Indications:

- Age 15 years or older, **And**
- Time since injury < 3 hours, **And**
- Blunt or penetrating trauma with suspected hemorrhage including:
 - At least one systolic BP of < 90mmHg (no base contact required) **Or**
 - Persistent Tachycardia > 120(base contact required) **Or**
 - Amputation of an extremity, proximal to wrist or ankle, and bleeding not controlled with tourniquets.

Contraindications:

- Isolated brain injury
- Thromboembolic event (Stroke, MI, PE, DVT) within past 24 hours
- Traumatic arrest with > 5min of CPR without ROSC
- Hypotension secondary to suspected cervical cord injury OR spinal shock
- Allergy to TXA
- Time since injury > 3 hours
- Age < 15 years

Side Effects:

- Hypotension
- Nausea
- Vomiting
- Diarrhea
- Anaphylaxis

Pregnancy:

Category B