

Classification

Antifibrinolytic

Prehospital Indications

Adult patients within 3 hours of traumatic injury with suspected internal truncal hemorrhage and systolic blood pressure (SBP) < 90mmHg or heart rate>SBP

Adult patients within 3 hours of traumatic injury with uncontrolled external/extremity hemorrhage despite applying pressure, and use of hemostatic agents and tourniquets where appropriate

Adult patients with post-partum hemorrhage as evidenced by ongoing bleeding and systolic blood pressure (SBP) < 90mmHg or heart rate>SBP or estimated blood loss >500mL

Other Common Indications

Confirmed traumatic brain injury with intracranial hemorrhage on CT scan

Uncontrolled epistaxis

Dental bleeding

Surgical bleeding

Heavy menstrual bleeding (menorrhagia)

Bleeding prophylaxis in patients with hemophilia (pre-procedure)

Adult Dose

1 gram in 50 or 100mL of Normal Saline infused over 10 minutes

Pediatric Dose

Not applicable

Pharmacokinetics

Onset is 5-15 min; duration is 2-3 hours

Contraindications

Pediatric patients ≤14 years of age (or within the length-based resuscitation tape if age unknown)

Greater than 3 hours post injury/delivery

Isolated traumatic brain injury

Traumatic arrest with CPR >5 minutes

Active known thrombotic disease (e.g., DVT, PE)

Known allergic reaction to TXA

Interactions

None for EMS

Adverse Effects

Hypotension (related to infusion rate)

Seizure

Nausea/vomiting

Dizziness

Visual disturbances (blurry vision, color distortion)

Prehospital Considerations

- It is important to label the infusion bag with TXA 1 gram.
- Rapid infusion can increase risk of hypotension; administer slowly over 10 minutes.
- Consider ondansetron IV/IO to prevent nausea/vomiting.