Tranexamic Acid  
(TXA or Cyklokapron)  
Protocol for Rural EMS Units

Class  
Anti-fibrinolytic

Mechanism of Action  
Forms a reversible complex that displaces plasminogen from fibrin resulting in inhibition of fibrinolysis; it also inhibits the proteolytic activity of plasmin.

Indication  
Trauma associated with significant hemorrhage  
- Must administer within 3 hours of injury  
- SBP <90 mmHg, HR >110 or both

Dosage/Administration  
MUST BE ADMINISTERED WITHIN 3 HOURS OF INJURY  

Adult  
- 1 gram administered over 10 minutes for the initial dose. Mix 1 gram (10 ml) in 50 ml of NS and infuse via IV pump over 10 minutes. Set infusion pump rate @ 360 ml/hr.  
- Maintenance Infusion- Mix 1 gram (10 ml) in 100 ml of NS and infuse over 8 hours. Set infusion pump rate @ 13.75 ml/hr. MUST HAVE PHYSICIAN ORDER TO ADMINISTER.

Pediatric  
Not recommended for patients < 12 years of age.

Adverse Reactions/Side Effects  
Hypotension (with rapid IV injection), giddiness, allergic dermatitis, diarrhea, nausea, vomiting, blurred vision

Contraindications  
- Hypersensitivity to medication  
- Suspected CVA, MI, or PE

Approved by Via Christi Trauma Department 2015