

MEDICATION REFERENCE LIST

TRANEXAMIC ACID (TXA)

1. Classification: Anti-fibrinolytic
2. Physiologic Effects: Serves by reversibly binding four to five lysine receptor sites on plasminogen. This reduces conversion of plasminogen to plasmin, preventing fibrin degradation and preserving the framework of fibrin's matrix structure.
3. Major Indications:
 - 3.1. Bleeding patients typically from trauma.
 - 3.2. May be considered for patients in hemorrhagic shock from medical causes including massive postpartum hemorrhage, gynecological hemorrhage, gastrointestinal hemorrhage, massive epistaxis or vascular event (hemorrhaging shunt or fistula).
4. Primary Contraindications:
 - 4.1. Hypersensitivity
 - 4.2. History of thromboembolic or ischemic event such as PE, DVT, ischemic CVA, acute MI, or ischemic retinopathy
5. Side Effects:
 - 5.1. Nausea
 - 5.2. Vomiting
 - 5.3. Diarrhea
 - 5.4. Joint or muscle pain
 - 5.5. Muscle cramps
 - 5.6. Headache
 - 5.7. May cause hypotension if administered too rapidly (faster than 100 mg/min.)
6. Additional Information:
 - 6.1. No recommendations at this time for patients less than 18 years-old.
 - 6.2. Use with caution in pregnant patients.
 - 6.3. Must be given within 3 hours of injury.