

[TXA](#) (Tranexamic Acid)

Protocols: TB 6-Multiple Trauma

- **Type of drug:** Anti-Fibrinolytic
- **Mechanism of Action:** Inhibits both plasminogen activation and plasmin activity, thus preventing clot break-down rather than promoting new clot formation
- **Indications:** Adults age >12 y/o and <3 hours from time of injury, obvious significant bleeding, penetrating trauma, **Systolic BP of <90 mmHg or Tachycardia >110 bpm**
- **Contraindications:** Recent PE/DVT History (in last 2 weeks), Evidence of DIC
- **Precautions:** Delayed effects up to 48 hours consistent with anti-inflammatory actions
- **Route and Dosage:** Mix 10 ml vial of TXA (1 gram) in 50 ml bag of NaCl, total of 60 ml; use 10gtt set and administer 60 gtt/min.
- **Adverse reactions and side effects:** While a theoretical concern, TXA has not been shown to cause significant increase in deep venous thrombosis, pulmonary embolism, myocardial infarction, or stroke in published trials to date.