

# Kittitas County Prehospital EMS Protocols

**SUBJECT:**     **TRANEXAMIC ACID (TXA, Cyklokapron®)**

**ACTION:**

Fibrinolysis inhibitor

**INDICATIONS:**

- Adult trauma patients equal to or greater than 16 years of age.
  - Trauma injury less than 3 hours old.
  - Hemorrhagic shock due to trauma.
    - Systolic BP 90mmHg or less, and/or
    - Sustained heart rate more than 110 bpm
  - Patient has received 500 ml of Isotonic Crystalloid and other hemorrhagic control measures have been initiated (i.e., direct pressure, hemostatic agents if available, etc.)
- Post-partum hemorrhage (with online medical direction)

**CONTRAINDICATIONS:**

- Patient less than 16 years of age or less than 50 kg
- Trauma injury more than 3 hours old.

**PRECAUTIONS:**

- TXA should not delay volume resuscitation for appropriate trauma patients.
- Rapid administration may contribute to hypotension.
- Not to be administered through the same line being used for blood products.
- TXA should be used within 24 hours of being reconstituted.
- Stop infusion if seizure, AMI, CVA, or cardiac arrest occur.
- It should be used with caution in patients with renal failure or known history of thrombotic disorder (DVT or pulmonary embolus).

**SIDE EFFECTS:**

**DOSAGE:**

1 gm in a 100 ml bag of Isotonic Crystalloid administered over 10 minutes. May piggyback  
Additional 1 gm in a 250 ml bag of Isotonic Crystalloid administered over 8 hours (when applicable and requires a pump)

**ROUTE:**

IV only (not approved for IO administration)

**PEDIATRIC DOSE:**

Not recommended in pts under 50 kg or under the age of 16