

Tranexamic Acid (Cyklokapron)

Cardiac Surgery Dosing Guidelines

General Dosing Guidelines

- 10 mg/kg IV bolus, infused over 30 minutes (prior to skin incision)
- 1 mg/kg in CPB prime
- 1 mg/kg/h infusion

Indications

Any adult cardiac surgery patient undergoing cardiopulmonary bypass.

Instructions

- Provided as a 10 mL single use ampule with a concentration of 100 mg/mL
- Our goal is to limit usage to two ampules (\$70 each) for most adult cardiac case
- Anesthesia provider will draw 10 mg/kg from **ampule #1**, up to 1000 mg. If the patient weighs more than 100 kg, the dose will be limited to 1000 mg (one ampule).
- Anesthesia provider will inject entire volume of **ampule #2** into 250 mL NS carrier bag.
- Perfusionist will request 1 mg/kg (0.25 mL/kg) to be drawn from infusion bag to add to the CPB prime.
- Administer bolus dose prior to skin incision and start infusion dose when carrier ready to start (okay if slightly prior to bolus).
- Infusion will run at 1 mg/kg/h (0.25 mL/kg/h) until the carrier bag is empty or for up to 6 hours after separation from CPB, whichever is **shorter**.
- Please discuss any questions with your attending.

High Dose Regimen

- 30 mg/kg IV bolus, infused over 30 minutes (prior to skin incision)
- 2 mg/kg in CPB prime
- 13 mg/kg/h infusion

Indications

Per attending surgeon request, for adult cardiac surgery patients ONLY.

Instructions

- Provided as a 10 mL single use ampule with a concentration of 100 mg/mL
- Anesthesia provider will draw 30 mg/kg bolus dose
- Anesthesia provider will inject entire volume of one ampule into 250 mL NS carrier bag.
- Perfusionist will request 2 mg/kg (0.25 mL/kg) to be drawn from infusion bag to add to the CPB prime.
- Administer bolus dose prior to skin incision and start infusion dose when carrier ready to start (okay if slightly prior to bolus).
- Infusion will run at 13 mg/kg/h (3.25 mL/kg/h) for the duration of the case.
- Please discuss any questions with your attending.