

TISSUE PLASMINOGEN ACTIVATOR

TPA, Alteplase

PHARMACOLOGIC CLASSIFICATION:

- enzyme
- endogenous substance manufactured synthetically

THERAPEUTIC CLASSIFICATION:

- thrombolytic

MECHANISM OF ACTION:

- directly catalyzes the conversion of plasminogen to plasmin

EFFECT:

- dissolves thrombi (clots) associated with acute MI

INDICATIONS:

- treatment of acute MI
- treatment of CVA

DOSAGE:

- 15 mg over 2 minutes
- 0.75 mg/kg over 30 minutes (not to exceed 50 mg)
- 0.5 mg/kg over 60 minutes (not to exceed 35 mg)

CONTRAINDICATIONS:

- surgery within last 2 months
- history of CVA within the past 6 months
- history of bleeding disorder
- severe hypertension
- prolonged CPR chest compressions

SIDE EFFECTS:

- intracranial and GI bleeding
- headache
- arrhythmias
- nausea/vomiting

COMMENTS:

- use cautiously in patients over the age of 75
- if possible have a second IV line established