Medication Formulary

**Generic Name:** Tissue Plasminogen Activator (t-Pa)

**Brand Name:** Activase, Alteplase

**Class:** Fibrinolytic.

**Actions:** A naturally-occurring enzyme derived from DNA that binds to fibrin-bound plasminogen at the site of an arterial clot, thus converting plasminogen to plasmin. Plasmin then digests the fibrin strands and restores perfusion to the artery.

**Onset:** Clot lysis commonly within 60-90 minutes.

**Duration:** 30 minutes.

**Indications:** Acute Myocardial Infarction (less than 12 hours old), pulmonary emboli, deep vein thrombosis, other arterio-venous thrombi/emboli.

**Contraindications:** Hemorrhagic CVA, other CVA within one year, intracranial cancer, Aortic dissection or aneurysm, uncontrolled hypertension, known bleeding disorder, active bleeding within the last month, surgery or major trauma within the last month, terminal illness, renal or liver failure, use of anticoagulants, hypersensitivity.

**Side Effects:** Arrhythmias, hypotension, bleeding, shock, CHF, pulmonary edema.

**Interactions:** Use caution with patients on anticoagulants & antiplatelets.

**Administration Routes:** IV, IO