



ALTEPLASE RECOMBINANT (ACTIVASE)



Escambia County, Florida - ALS/BLS Medical Protocol

FOR CRITICAL CARE TRANSFERS ONLY

ACTIONS

Alteplase Recombinant is an enzyme (serine protease) which has the property of fibrin-enhanced conversion of plasminogen in plasmin. It produced limited conversion of plasminogen in the absence of fibrin. When introduced into the systemic circulation at pharmacological concentration, Alteplase Recombinant binds to fibrin in the thrombus and converts the entrapped plasminogen to plasmin. This initiates local fibrinolysis with limited systemic proteolysis.

INDICATIONS

Activase is indicated for use in the management of acute myocardial infarction (AMI) in adults for lysis of thrombi obstructing coronary arteries.

CONTRAINDICATIONS

1. Active internal bleeding.
2. History of cerebrovascular accident.
3. Recent (within two months) intracranial or intraspinal surgery or trauma.
4. Intracranial neoplasm, arteriovenous malformation, or aneurysm.
5. Known bleeding diathesis.
6. Severe uncontrolled hypertension.

PRECAUTIONS


Noncompressible arterial puncture must be avoided (e.g. internal jugular and subclavian punctures). Arterial and venous punctures should be minimized.



Approved: 10/01/2011
Version: 3.1

Page 1 of 2

Approved by:


Charles Neal, D.O. Medical Director



ALTEPLASE RECOMBINANT (ACTIVASE)



Escambia County, Florida - ALS/BLS Medical Protocol

ADVERSE REACTIONS AND SIDE EFFECTS

Bleeding is the most common adverse reaction, either internal or external or both. Other adverse reactions include dysrhythmias, nausea/vomiting, hypotension, and fever. Mild hypersensitivity may produce urticaria.

DOSAGE


Adult: Pre-hospital use of Alteplase Recombinant is **not approved**.



Approved: 10/01/2011
Version: 3.1

Page 2 of 2

Approved by:


Charles Neal, D.O. Medical Director