

Jackson County Medical Control Authority

MICU Protocols

HEPARIN

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Heparin

Indications: Acute myocardial infarction, pulmonary embolism, deep vein thrombosis (DVT), disseminated intravascular coagulation (DIC).

Contra-indications: Active bleeding, known or suspected intracranial hemorrhage, chronic renal failure, recent surgery or other significant risk for bleeding such as thrombocytopenia or hemophilia. Patients who have already received Lovenox (1.5 mg/kg wait 24 hours. 1 mg/kg or less wait 12 hours).

Administration: Recommended mixing instructions are 25,000 units mixed into 250 cc of NS. For suspected cardiac patients: Initial bolus is 60 units/kg IVP followed by an infusion of 12 units/kg/hr. For all other patients: Initial bolus is 70 units/kg IVP followed by an infusion of 16 units/kg/hr.

MICU Directives:

1. Following generalized protocol for MICU transports.
2. Consider stopping infusion if patient develops signs of bleeding such as petechiae or bruising, hematemesis, bleeding from the gums, epistaxis, sudden tachycardia or hypotension.
3. Concurrent use of oral anticoagulant, thrombolytic and salicylates or IIb/IIIa antagonist can increase risks of bleeding.
 - A. Suggest a heparin drip on all post-thrombolytic patients.
 - B. Suggest 325 mg of baby aspirin PO as indicated on all MI patients.
 - C. Suggest running all heparin drips at 12 U/kg/hr when indicated.
 - D. Suggest a heparin drip on all cardiac patients when indicated.