

Prototype

Heparin

Action

Blocks Prothrombin to Thrombin

Indications

Prevents formation of clots Pulmonary embolism & thrombus

Drug of Choice DIC

For:

Contraindications

Beef/Pork allergies or cultural/religious objections

Thrombocytopenia

Bleeding disorder

Cautions

Uncontrolled HTN: Heparin makes vessels more friable which could result in a fatal bleed

Recent surgery

GI ulcers

Adverse Effects

Heparin induced thrombocytopenia with thrombosis (HITT)

Thrombocytopenia

Drug Interactions

Anticoagulants

Penicillin

Antihistamines

Digoxin

Nitroglycerin

Nicotine

All of these drugs will exacerbate the effects of Heparin

Nursing Interventions

Monitor Labs: CBC & PTT Assess for therapeutic drug effect & development of AE

Antidote: Protamine Sulfate Administer in the event of Heparin overdose

Administration Route: SubQ or IV

Half-life 90 min.

Injection site may form Hematoma IV site will ooze and have more evident bruising

Drug of Choice for Bridge to other anticoagulants such as Warfarin

Labs

PTT Therapeutic range = 45-70 sec.

CBC Monitor for thrombocytopenia (<150)



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Published 2nd August, 2021.

Last updated 2nd August, 2021.

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