

Pharmacy Consult for Alteplase for Ventricular Assist Devices (LVAD) PHARMACY USE ONLY [4032]

PHARMACY USE ONLY

Indication:

High clinical suspicion of VAD thrombosis

Per physician assessment, the benefit of administering alteplase outweighs the risk of suspected thromboembolic complication in this patient

Contraindications:

Current intracranial hemorrhage

Subarachnoid hemorrhage

Active internal bleeding

Recent (within 3 months) intracranial or intraspinal surgery or serious head trauma

Presence of intracranial conditions that may increase the risk of bleeding (e.g., some neoplasms, arteriovenous malformations, or aneurysms)

Bleeding diathesis

Current severe uncontrolled hypertension (systolic blood pressure greater than 185 mmHg or diastolic blood pressure greater than 110 mmHg or MAP greater than 100 mmHg)

Locations for Administration:

WT10 CCU, WT9, CVICU

Nursing

Nursing

[X] Neuro checks	Routine, Every 15 min -Every 15 minutes for first 2 hours, then every 30 minutes until end of infusion
[X] Vital signs - T/P/R/BP	Routine, Every 15 min -Every 15 minutes for first hour of alteplase infusion, then every 30 minutes for 1 hour, then every 1 hour until end of infusion
[X] Monitor for signs or symptoms of bleeding	Routine, Until discontinued, Starting S (e.g. Epistaxis, gastrointestinal hemorrhage, hematomas, hematuria, bloody nasogastric aspirate, etc.)
[X] Notify Heart Failure Service	Routine, Until discontinued, Starting S, -For any neurological changes (e.g. Severe headache, pupillary changes, changes in level of consciousness, deterioration of neurologic status or acute hypertension, etc.) -For greater than 2 gm/dL drop in hemoglobin (drop in 12 or 24 hours)
[X] Notify Prescriber	Routine, Until discontinued, Starting S, -For any neurological changes, MAP greater than 80 or less than 60, SBP greater than 100 or less than 70, HR less than 60 or greater than 120, and temperature greater than 38.5 Celcius

Medications

Alteplase

[X] alteplase (CATHFLO) 18 mg in sodium chloride 0.9% 90 mL infusion	3 mg/hr, intravenous, for 6 Hours, once, For 1 Doses Do not administer with PTT greater than 40 sec or INR greater than 1.7. Report and contact prescriber for PTT and INR results. Restart heparin infusion 2 hours after alteplase administration. Obtain baseline fibrinogen and daily fibrinogen while on alteplase therapy.
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Labs

Laboratory - Baseline

ORDER BASELINE LABS IF NOT ALREADY ORDERED BY PROVIDER

<input checked="" type="checkbox"/> Partial thromboplastin time	STAT For 1 Occurrences Baseline
<input type="checkbox"/> CBC hemogram	STAT For 1 Occurrences Baseline
<input type="checkbox"/> Prothrombin time with INR	STAT For 1 Occurrences Baseline
<input type="checkbox"/> Thromboelastograph	STAT For 1 Occurrences Anticoagulant Therapy: Diagnosis: Fax Number (For TEG Graph Result): Baseline
<input type="checkbox"/> Fibrinogen	STAT For 1 Occurrences Baseline
<input type="checkbox"/> LDH	STAT For 1 Occurrences Baseline

Laboratory - Continuing

<input checked="" type="checkbox"/> CBC hemogram	Now then every 12 hours For 3 Occurrences
<input checked="" type="checkbox"/> LDH	Daily, Starting S with First Occurrence Include Now For 3 Occurrences Obtain after alteplase infusion is complete
<input checked="" type="checkbox"/> Fibrinogen	Daily, Starting S with First Occurrence Include Now For 3 Occurrences Obtain after alteplase infusion is complete
<input type="checkbox"/> Thromboelastograph	Once For 1 Occurrences Anticoagulant Therapy: Diagnosis: Fax Number (For TEG Graph Result): Obtain after alteplase infusion is complete

Additional Orders