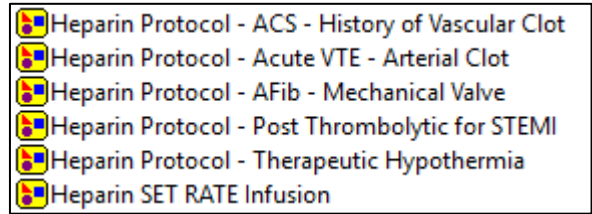# Heparin Protocol Checklist for ED Nurses

Ordering Process

1. Multiple protocols exist for Heparin orders and one Set Rate infusion; Protocols are indication specific.
2. Ensure correct Protocol and Sub Phase are ordered.
3. A task for the nurse to order a future lab test will fire.
4. The Pharmacist calls the RN with weight and initial infusion rate.
5. A baseline STAT PTT is drawn.
6. Remove the Heparin infusion bag from Pyxis.
7. Scan, draw up, and administer the bolus, if ordered.
8. Scan the Heparin bag and program the infusion pump with the weight and infusion rate provided by the pharmacy.
9. Order 1st Heparin Anti-Xa 6 hours after the start of infusion or administration of the bolus.
   a. MMC uses Anti-Xa, other facilities may use PTT. Check your facility's policy/process.

> Heparin Protocol - ACS - History of Vascular Clot
> Heparin Protocol - Acute VTE - Arterial Clot
> Heparin Protocol - AFib - Mechanical Valve
> Heparin Protocol - Post Thrombolytic for STEMI
> Heparin Protocol - Therapeutic Hypothermia
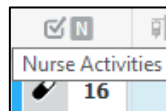> Heparin SET RATE Infusion

Pharmacy Process

1. The Pharmacy will enter order details when the order is placed.
2. The Pharmacist will call the nurse with Initial infusion dosing based on weight.
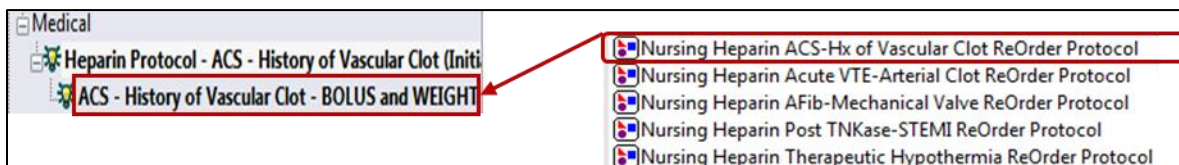
Anti-Xa

1. **Reminder Task** to order Lab Test in Future.

> Nurse Activities
> 16

> Nurse to Order Lab Test in Future Task 04/05/22 8:36:00 EDT, ONCE, 04/05/22 8:36:00 EDT, Anti-Xa (Heparin Protocol) 6 hours after the Heparin Drip started., Nurse to Order Lab Test in Future Task

2. If the patient remains in the ED longer that 6 hours on a Heparin Drip:
   a. Use the Nursing-Heparin Re-Order Protocol Careset for the specific indication ordered by the provider.
   b. **Careset allows** for: Additional Anti-Xa/PTT labs, Heparin re-bolus orders, Infusion Rate changes.

> Medical
> Heparin Protocol - ACS - History of Vascular Clot (Initi
> ACS - History of Vascular Clot - BOLUS and WEIGHT
>
> Nursing Heparin ACS-Hx of Vascular Clot ReOrder Protocol
> Nursing Heparin Acute VTE-Arterial Clot ReOrder Protocol
> Nursing Heparin AFib-Mechanical Valve ReOrder Protocol
> Nursing Heparin Post TNKase-STEMI ReOrder Protocol
> Nursing Heparin Therapeutic Hypothermia ReOrder Protocol

3. Select **ALL** 3 Boxes.

	Component	Order Details
	Anti-Xa less than 0.1 units/mL (Select all 3 orders in the section below)	
☐	heparin (REBOLUS - ACS/History of VTE or Arterial Clot)	60 unit/kg, IVPush, Inject, ONCE, STAT
☐	Misc Task	ONCE, INCREASE Heparin drip Dose by 3 unit/kg/hr
☐	Anti-Xa (Heparin Protocol) (Less than 0.1 units/mL)	T;N+360

4. Enter new dose.

Enter NEW adjusted dose based on the order above.

*Dose in units/kg/hr: 14

IView Charting

Titratable drips should be charted in 2 places within IView: **Monitor Bands-IV Drips and Intake and Output.**

Chart hourly IV drip rates and rate changes.

1. Document the Dose (unit/kg/hr) in the Monitoring Band-IV Drips.

⊿ IV Drips						
Heparin Drip TITRATE	Bolus	mL				
25,000 unit	Rate	mL/hr	9.8	9.8	8.4	8.4
	heparin	unit/kg/hr	14	14	12	12

2. Document hourly volumes in Intake and Output.

⊿ Intake Total		9.8	9.8	9.8	8.4	8.4
⊿ Continuous Infusions		9.8	9.8	9.8	8.4	8.4
Heparin Drip TITRATE 25,000 unit	mL	9.8	9.8	9.8	8.4	8.4