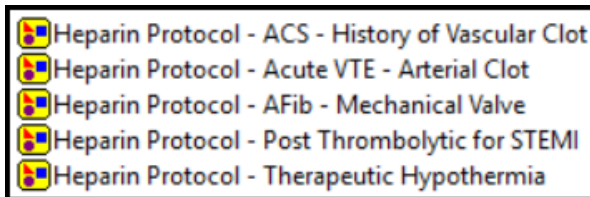


## Ordering Process

- Multiple protocols exist for Heparin PowerPlans and one for Set Rate Infusion PowerPlan. Heparin Protocols are indication specific.
- Ensure the correct Protocol and Sub-Phase are ordered.
  - All MHC locations use Anti-Xa for titration except for Cadillac who use PTT. Check facility policy.
- A CareCompass task for the nurse to order a future lab test will fire.

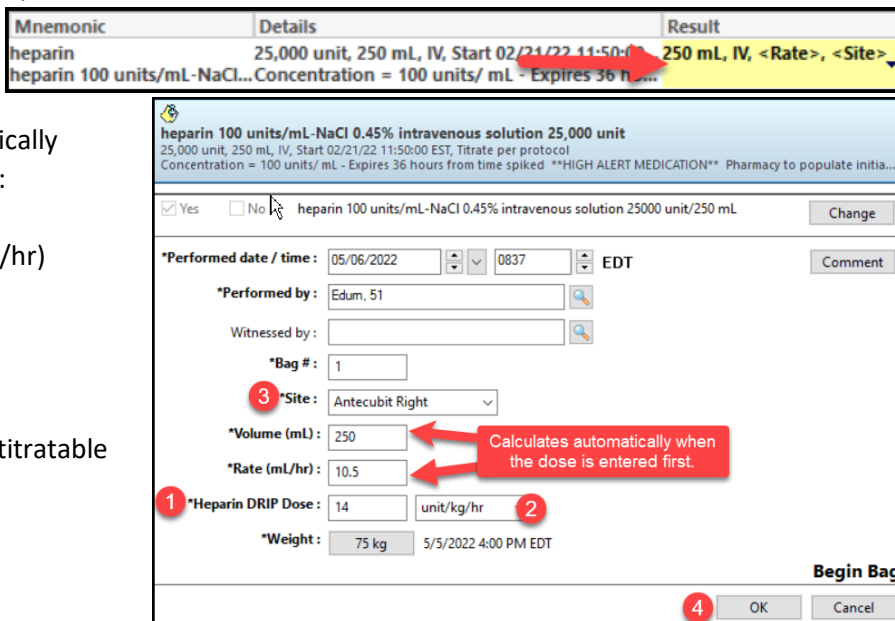


## Pharmacy Process

- The Pharmacy will enter order, the starting dose, and patient's weight when the order is placed.
- Pharmacist will call the nurse with the initial infusion dosing based on the patient's weight. This is also available by hovering over the Heparin drip in the MAR or MAR Summary in Order Comments.

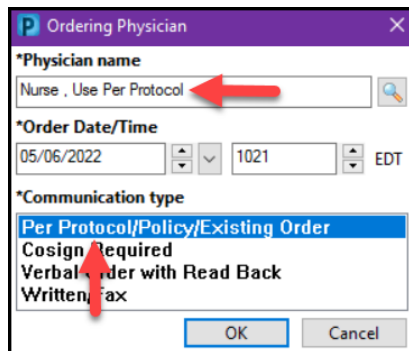
## Starting the Heparin Drip

- From the Medication Administration Wizard **Medication Administration**:
  - Using two patient identifiers, scan the patient's wrist band.
  - Scan the Heparin.
  - Click on the yellow field to open the result field.
  - For the Rate and Volume to automatically calculate, follow these steps in order:
    - Heparin DRIP Dose** first.
    - The correct dose unit (unit/kg/hr) second.
    - Complete the correct **Site**.
    - Select **OK**
  - Select **Sign**.
- Set the IV infusion pump per the process for titratable drips.

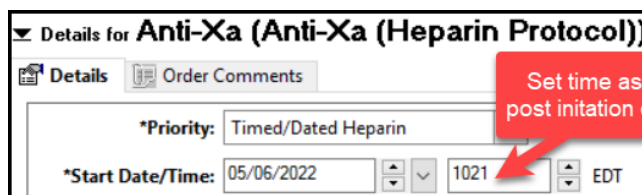


## Initial Anti-Xa/PTT Order

- Order:** Anti-Xa/PTT (Heparin Protocol)

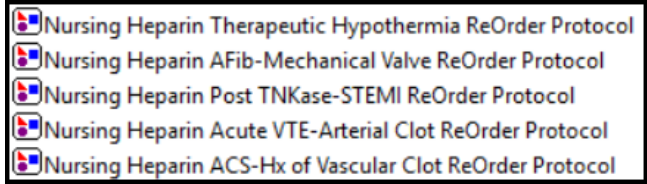


- Start Date/Time:** select six hours post initiation of the Heparin infusion.
- Click Done on the CareCompass task:** Nurse to order Lab Test in the Future.



## Heparin ReOrder Protocol

- Titrations are based on the Anti-Xa/PTT results.
- From the **Orders** section within the patient's chart select **+ Add**.
- In the Search, type **Nursing Heparin** to show the ReOrder Protocols.
  - The ReOrder Protocol selected must match the Heparin Protocol that was ordered.
- Select the correct reorder section based on the Anti-Xa/PTT results.
  - Select all orders in each section of the ReOrder Protocol.
  - Complete the Dose field.



Component	Order Details
Anti-Xa 0.1 to 0.19 units/ml (Select all 3 orders in the section below)	
<input checked="" type="checkbox"/> heparin (Heparin REBOLUS - Acute VTE/Arterial Clot)	40 unit/kg =, IVPush, Inject, ONCE, Start 5/9/2022 12:26 PM EDT, STAT, Stop 5/9/2022 12:26 PM EDT
<input checked="" type="checkbox"/> Misc Task	5/9/2022 12:26 PM EDT, ONCE, 5/9/2022 12:26 PM EDT <b>INCREASE Heparin drip dose by 2 unit/kg/hr</b>
<input checked="" type="checkbox"/> Anti-Xa (0.1 to 0.19 units/mL)	Timed/Dated Heparin, ONCE, 5/9/2022 6:26 PM EDT, Stop 5/9/2022 6:26 PM EDT

Anti-Xa	0.1
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Result

### Details for Anti-Xa (0.1 to 0.19 units/mL)

**\*Priority:** Timed/Dated Heparin

**\*Frequency:** ONCE

Duration: [ ]

**\*Start Date/Time:** 05/09/2022 1826 EDT

Ambulatory Location: [ ]

**\*Dose in units/kg/hr:** 16

Time is already set for 6 hours later.

Input the correct dose. Note: the Misc Task above provides the increase information.

- The ReOrder Protocol will trigger a CareCompass task for the bolus, and a reminder to adjust the infusion rate.
- When changing the rate:
  - Open the patient's chart at the bedside to Interactive View.
  - Verify the patient's name and date of birth.
  - Adjust the dose on the IV infusion pump.
  - Chart the rate change, using the exact time, in the Monitoring Band: IV Drips.
  - Click Done on the CareCompass task to adjust the infusion rate.

## Therapeutic Anti-Xa Orders

- Patients must have two consecutive therapeutic Anti-Xa to move to daily lab draw.
- Use the second options for second therapeutic Anti-Xa and subsequent therapeutic lab results.

Anti-Xa 0.3 to 0.7 units/ml (1st Therapeutic Anti-Xa)(Select single order in section below)	
Order Anti-Xa Time/Dated if this is the FIRST THERAPEUTIC lab result	
<input type="checkbox"/> Anti-Xa (0.3 to 0.7 units/mL)	
Anti-Xa 0.3 to 0.7 units/ml (2nd Therapeutic Anti-Xa)(Select single order in section below)	
Order Routine, In AM if this is the SECOND CONSECUTIVE THERAPEUTIC ANTI-Xa or subsequent daily therapeutic Anti-Xa	
<input type="checkbox"/> Anti-Xa (0.3 to 0.7 units/mL)	

Use for first therapeutic Anti-Xa

Use for second therapeutic Anti-Xa

Interactive View Charting

- Titratable drips should be documented in two places:
  1. **Monitoring Band: IV Drips** to document the dose, rate, and rate changes.

IV Drips					
heparin 100 units/mL-NaCl	Bolus	mL			
0.45% intravenous solution ...	Rate	mL/hr	12	10.5	10.5
heparin	unit/kg/hr		16	14	14

2. **Intake and Output: Continuous Infusions** to document volumes.

Continuous Infusions	24	64.925	21	21	12.425	
heparin 100 units/mL-NaCl 0.45% in...	mL	12	22.925	10.5	10.5	1.925

**Charting Requirements**

**Critical Care areas:** chart starting rate, hourly IV drip rates, and every rate change.

**Non-Critical areas:** chart the starting rate, rate every four hours, and every rate change.

Discontinuing Heparin Protocol

- An order must be placed in PowerChart to turn off a Heparin infusion.
  - Once the order is placed, the Heparin PowerPlan should be discontinued per *Nurse - Policy/Protocol/Existing Order*.

<input checked="" type="checkbox"/>	Communication to Nurse	Ordered	02/17/22 14:36:00 EST	Discontinue Heparin drip 6 hours prior to patient's surgery
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- **To Discontinue:**
  1. Right click on the PowerPlan
  2. Select **Discontinue**, click the drop down, and select reason.
  3. Click **OK**.

Heparin Protocol - Acute VTE - Arterial Clot (Initiated)

Acute VTE - Arterial Clot - NO BOLUS

RN IV Fluid Boluses (Initiated)

Discontinue **1**

Void

Discontinue Reason

**2**

Ke...	Component	Status	Order Details
Medications			
<input type="checkbox"/>	Acute VTE - Arterial Clot - NO BOLUS and WEIGHT BASED INFUSION - KMP	Initiated	Start: 5/9/2022 2:40 PM EDT

DO NOT check this box unless your intention is to keep.