



Revised Heparin Order set FAST FACTS Go Live: December 1st

Background and Rationale: The heparin order set has been revised to allow for more accurate implementation of the correct nomogram and heparin dosage

Overview:

- Providers will place heparin orders as before, but will not choose an initial dose for the RN to sign off
- Orders will have ranges (much like other continuous titratable infusions) and RN will follow nomogram to sign off exact dose administered within the accepted range for that indication
- If a patient requires the initial bolus as their re-bolus dose based on the nomogram, the RN will no longer need to place an additional "per protocol" order, as the range order will allow them to choose the necessary dose and sign off the re-bolus accordingly
- There will be a link to the proper nomogram contained in the MAR.

Reminders:

- RN will still need to order repeat aPTT q 6h and ensure that bleeding precautions are ordered and implemented on initiation of heparin infusion
- Bolus doses should be run via the pump and NOT as an IVP administration

Screen Shots:

Provider Views:

- 1) Provider will open the order set, and all nursing orders should be pre-selected. If they are not (based on the order set they use) providers will need to select these options

Orders

Clear All Orders

Order Sets

▼ JHH-BMC Adult Nurse Managed Heparin Infusion Focused Manage My Version ▼ Add Order

General

▼ Nursing Interventions

- JHH Heparin Policy
- BMC Heparin Policy
- BMC Bleeding Precautions Policy
- Implement Nurse Managed Heparin Policy
Routine, Once First occurrence Today at 0710
- Implement Bleeding Precautions
Routine, Once First occurrence Today at 0710
- Provide and document
Routine, Until discontinued starting Today at 0710 Until Specified
"Tips for Preventing Bleeding" handout available in Policy
- Order Labs per Protocol
Routine, Until discontinued starting Today at 0710 Until Specified

(over)

- 2) Provider will next select appropriate heparin nomogram based on indication, then choose bolus and infusion orders:

Orders [Clear All Orders]

Order Sets

▼ JHH-BMC Adult Nurse Managed Heparin Infusion Focused Manage My Version [Add Order]

▼ **General**

- ▼ **Nursing Interventions**
 - JHH Heparin Policy
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 - BMC Bleeding Precautions Policy
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▼ **Medications**

▼ **Heparin Low Target - ACS. Goal aPTT 50-65 seconds**
Discontinue Pharmacologic VTE Prophylaxis Before Initiating Heparin Protocol
Refer to Appendix B of the policy for suggested dosing, monitoring guidelines and indications/contraindications

- Low Target - Heparin Bolus and Re-Bolus for ACS**
heparin 100 units/mL BOLUS from bag (low target nomogram) 2,050-4,000 Units
2,050-4,000 Units, Intravenous, Once, Today at 0800, For 1 dose
- And
heparin 100 units/mL RE-BOLUS from bag (low target nomogram) 1,050-4,000 Units
1,050-4,000 Units, Intravenous, Every 6 hours PRN, Nurse Managed Protocol, Starting Today at 0710
For use with LOW target nomogram ONLY if bolus ordered with initial order
- heparin 25,000 units in sodium chloride 0.45 % 250 mL Premix**
300-3,000 Units/hr (3-30 mL/hr), Intravenous, Continuous, Starting Today at 0800
Nurse managed nomogram per Weight Based Heparin Policy. Maximum initial dose 1000 units/hour.

▶ Heparin Low Target - Non-ACS (e.g., Patient > 70 yrs, Pulmonary HTN, Ischemic stroke in patients with AFib). Goal aPTT 50-65 seconds	0 of 2 selected
▶ Heparin Standard Target - DVT/PE, AFib, or Mechanical Valves. Goal aPTT 50-80 seconds	0 of 2 selected
▶ Heparin High Target - Vascular Surgery, Stents or Coils. Goal aPTT 65-80 seconds	0 of 2 selected
▶ Heparin Post Surgery - Ventricular Assist Device or Transplant. Goal aPTT 50-65 seconds	0 of 1 selected

- 3) Unlike before, provider will not choose a starting dose. These instead will be range orders that will allow the RN to use the nomogram and select the appropriate dose to sign off

Orders [Accept]

Low Target - Heparin Bolus and Re-Bolus for ACS

heparin 100 units/mL BOLUS from bag (low target nomogram) 2,050-4,000 Units
2,050-4,000 Units, Intravenous, Once, Today at 0800, For 1 dose [Accept] [Cancel] [Remove]

Order Inst: **LOW Target Initial Bolus:**

Patient Wt (kg)	Initial Bolus
<= 34 kg	2,050 units
35-44 kg	2,400 units
45-54 kg	3,000 units
55-64 kg	3,600 units
> 65 kg	4,000 units (max)

Dose: Units

Administer Dose: **2,050-4,000 Units**

Administer Amount: **20.5-40 mL**

Route: **Intravenous**

Frequency: **Once**

Starting: **Today** At:

First Dose: **Today 0800** Number of doses: **1**

Scheduled Times: [Hide Schedule](#)

Admin. Inst: [Click to add text](#)

Priority:

▶ **Additional Order Details** [Accept] [Cancel] [Remove]

And

heparin 100 units/mL RE-BOLUS from bag (low target nomogram) 1,050-4,000 Units
1,050-4,000 Units, Intravenous, Every 6 hours PRN, Nurse Managed Protocol, Starting Today at 0710
For use with LOW target nomogram ONLY if bolus ordered with initial order [Remove]

RN Views:

- 1) On the MAR, the RN will still have three orders to sign off: 1-initial bolus, 2- re-bolus prn option, 3- infusion order. The name of the nomogram you are following is in the bolus order name

heparin 100 units/mL BOLUS from bag (low target nomogram) 2,050-4,000 Units : Dose 2,050-4,000 Units : Intravenous : Once

heparin 100 units/mL RE-BOLUS from bag (low target nomogram) 1,050-4,000 Units : Dose 1,050-4,000 Units : Intravenous : Every 6 hours PRN : Nurse Managed Protocol

heparin 25,000 units in sodium chloride 0.45 % 250 mL Premix : Dose 300-3,000 Units/hr : 3-30 mL/hr : Intravenous : Continuous

- 2) Because the re-bolus option is a range order, you can now choose either the re-bolus dose or the initial bolus dose again (if indicated by the nomogram) without having to place an additional “per protocol” order by the RN

heparin 100 units/mL RE-BOLUS from bag (low target nomogram) 1,050-4,000 Units : Dose 1,050-4,000 Units : Intravenous : Every 6 hours PRN : Nurse Managed Protocol

For use with LOW target nomogram ONLY if bolus ordered with initial order

Click to document

3) A link to the nomogram should also be visible within the MAR

heparin 25,000 units in sodium chloride 0.45 % 250 mL Premix : Dose 300-3,000 Units/hr : 3-30 mL/hr : Intravenous : Continuous Rx

Nurse managed nomogram per Weight Based Heparin Policy.

0739 Due

Frequency:	Continuous	Order Start Time:	Today 11/19/15 at 0739	References:	Std Dose Nomogram
Route:	Intravenous	Disp Location:	Pyxis	Current Line:	Currently Unlinked
Order Dose:	300-3,000 Units/hr				
Ordered Infusion Rate:	3-30 mL/hr				

Recent Actions	Next Actions
	11/19
	0739

Priority: **STAT**