

Date _____ Time _____

Adult Full-Dose Heparin Protocol (Effective June 2011-current)

Laboratory:

1. Baseline CBC, then daily while on heparin
2. Baseline PT with INR and aPTT prior to initiation of heparin
3. aPTT q6h and adjust according to sliding scale below.
May decrease to daily aPTT once two consecutive aPTTs are within the therapeutic range.

Heparin Initial Bolus and Infusion: (see chart below)

4. () Bolus: 80 units/kg = _____ units
* max of 8,000 units
5. () Infusion: 18 units/kg/hour = _____ ml/hr
* initial max of 36 ml/hr (1,800 units/hour)
6. Discontinue all other orders for heparin products (i.e. heparin, enoxaparin)

Heparin Rate Adjustment Sliding Scale:

7. aPTT q6 hours until within range x2, then may decrease to daily with AM labs
8. Adjust heparin drip as follows:
* If aPTT < 64, re-bolus patient with specified heparin dose in addition to increasing rate

Goal aPTT: 64-86 seconds

* Once two consecutive aPTTs are within range, may collect daily with AM labs

Initial Dosing Calculations

- Initial bolus and infusion rates as well as rate adjustments will be calculated in SCM based on the patient weight on file
- These rates and adjustments are specific to this protocol only
- Please see calculations below for double checking these rates

Round all bolus doses to the nearest 500 units, and infusion rates to the nearest 10 units/hr

Actual body weight _____ kg

Dose (units/hr) =
Dose Rate (units/kg/hr) x Weight (kg)

Drip rate (mL/hr) =
Dose Rate (units/kg/h) x Weight (kg)
Concentration (50 units/mL)

aPTT	Re-bolus	Hold Infusion	Rate Change	Repeat aPTT
<30	60 units/kg <small>(max 5,000)</small>	0 min	increase by 2 units/kg/hr	6 hours
30-51	30 units/kg <small>(max 2,500)</small>	0 min	increase by 1 units/kg/hr	6 hours
52-67	No bolus	0 min	No Change	6 hours*
68-95	No bolus	0 min	decrease by 2 units/kg/hr	6 hours
>95	No bolus	60 min	decrease by 3 units/kg/hr	6 hours

9. Round all bolus doses to the nearest 500 units, and infusion rates to the nearest 10 units/hr