

Modified Heparin Weight-Based Protocol For “Cardio Vascular Use” Goal aPTT 50-60

_____ Date

HT:	WT:	IBW:	AjBW:
-----	-----	------	-------

1. If actual body weight >120% ideal body weight (IBW), use adjusted body weight (AjBW) to calculate doses and rates.
2. Heparin Bolus _____ units (40 units/kg), IV PUSH (max. 1,400 units)
3. Heparin infusion at _____ unit/hr (8 units/kg/hr with max. 650 units/hr) = _____ ml/hr.
4. Laboratory:
 - a. aPTT, PT, CBC before any heparin
 - b. CBC every third day. Call if Platelet count < 100,000 or falls > 30% from baseline.
 - c. Initial aPTT 6 hours after initial heparin bolus.
 - d. Daily PT if on Coumadin
5. Document aPTT, boluses, and rate changes on MAR.
6. All Heparin will be a premixed bag of 50 units/ml concentration.
7. Use Heparin nomograms below to maintain aPTT 50-60 sec. Discontinue Heparin if significant bleeding occurs and contact physician.

Nomogram for Heparin Goal aPTT 50-60

aPTT	Bolus Dose	Stop Infusion	Rate Change	Repeat aPTT
<43	_____ units (=40 units/kg)	-----	+ _____ ml/hr (Increase by 4 units/kg/hr)	6 hours
43-49	_____ units (=26 units/kg)	-----	+ _____ ml/hr (Increase by 2 units/kg/hr)	6 hours
50-60	0	-----	No Change	12 hours
61-64	0	-----	- _____ ml/hr (Decrease by 2 units/kg/hr)	6 hours
>64	0	1 hour	- _____ ml/hr (Decrease by 3 units/kg/hr)	6 hours

*If two consecutive aPTT's >64 or <43, call M.D.