



Intravenous Heparin Therapy Protocol- Venous Thrombosis (DVT/PE)

Initials Labs and tests:

- CBC, PT, PTT
- Electrolytes, BUN/Creat
- PTT 6 hours after Heparin is instituted
- PTT per heparin protocol
- CBC Every other day while on heparin
- PTT daily once heparin dose stable, for duration of Heparin infusion

Patient Actual Body Weight: _____ kg

Round rate up to the nearest 50 units

**Bolus: Heparin bolus units IV x1 - usual dose is 80 units/kg, with
 Maximum of 10,000 units, followed by**

**Infusion: Heparin 25,000 units/500 ml D5W (= 50 units/ml) IV - usual dose is 18 units/kg/hour
 Maximum of initial infusion : 1,800 units/hr = 36 mls/hr, then titrate to target PTT by
 nomogram below.**

DVT/PE NOMOGRAM FOR HEPARIN DOSE ADJUSTMENT:

Target aPTT: 60-90 secs

<u>PTT</u>	<u>Bolus</u>	<u>Stop Infusion</u>	<u>Rate of infusion</u>	<u>Check PTT in (hrs)</u>
<50	5000 units	0 min	Increase 4 units/kg/hr	6 hrs
50-59	0	0 min	Increase 2 units/kg/hr	6 hrs
60-90(target)	0	0 min	No change	Next AM
91-105	0	0 min	Decrease 1 units/kg/hr	6 hrs
106-120	0	30 min	Decrease 2 units/kg/hr	6 hrs
121-200	0	60 min	Decrease 3 units/kg/hr	6 hrs
>200	0	Stop infusion, call MD		

RN to document rate changes on flow sheet

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