

# FULL INTENSITY FOR DVT / PE

**Full Intensity (Standard) DVT/PE Unfractionated Heparin Protocol Documentation Tool**

Date \_\_\_\_\_ Time \_\_\_\_\_ Pt Weight \_\_\_\_\_ kg

Initial Bolus \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Initial Infusion Rate \_\_\_\_\_ Time Hung \_\_\_\_\_

RN / LPN Signature \_\_\_\_\_ RN Verification Signature \_\_\_\_\_

See reverse side for rate adjustment table. Initial unfractionated heparin level due \_\_\_\_\_

Unfractionated Heparin Level (units/mL)	Bolus Dose TBW or ABW	Actual Bolus Dose	Stop Infusion (min)	Rate Change (units/kg/hr) TBW or ABW	Actual Rate Change (mL)
less than 0.2	80 units/kg		-	↑ 4 units/kg/hr	
0.2 - 0.29	40 units/kg		-	↑ 2 units/kg/hr	
0.3 - 0.7	No		-	No change	
0.71 - 0.8	No		-	↓ 1 unit/kg/hr	
0.81 - 0.9	No		30	↓ 2 units/kg/hr	
greater than 0.9	No		60	↓ 3 units/kg/hr	

- Round maintenance infusion rates to nearest 50 units/hr. Round bolus to the nearest 100 units.
- Change unfractionated heparin level monitoring to daily when 2 consecutive unfractionated heparin levels are within therapeutic range. Readjust infusion daily according to the above table.
- Obtain CBC with platelet count daily while patient is receiving maintenance infusion of IV heparin.

Date / Time	Unfractionated Heparin Time	Unfractionated Heparin Value	Action Taken		New Rate	Next Unfractionated Heparin Due	Signature / Co-Signature
			Bolus	Rate Change			

- Notify physician if:**
- Unfractionated heparin level is less than 0.3 units/mL or greater than 0.7 units/mL
  - Platelet count decreases to less than 100,000 or by 50% from baseline
  - Patient requires greater than 48,000 units/day of IV heparin without reaching a therapeutic unfractionated heparin level



**MA0002**

*If printed electronically,  
pages 1 & 2 must be stapled.*

Patient Name: \_\_\_\_\_ Patient Identification #: \_\_\_\_\_

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## DVT / PE Heparin Rate Change Grid

Change the rate of infusion (mL/hr) of heparin according to the weight of the patient and a heparin concentration of 100 units/mL (25,000 units in 250 mL D5W).

	Weight (kg)									
	50	60	70	80	90	100	110	120	130	
Increase by 4 units/kg/hr (mL/hr)	+2 (mL/hr)	+2.5 (mL/hr)	+3 (mL/hr)	+3 (mL/hr)	+3.5 (mL/hr)	+4 (mL/hr)	+4.5 (mL/hr)	+5 (mL/hr)	+5 (mL/hr)	+5 (mL/hr)
Increase by 2 units/kg/hr (mL/hr)	+1 (mL/hr)	+1 (mL/hr)	+1.5 (mL/hr)	+1.5 (mL/hr)	+2 (mL/hr)	+2 (mL/hr)	+2 (mL/hr)	+2.5 (mL/hr)	+2.5 (mL/hr)	+2.5 (mL/hr)
Decrease by 1 units/kg/hr (mL/hr)	- 0.5 (mL/hr)	- 0.5 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1.5 (mL/hr)
Decrease by 2 units/kg/hr (mL/hr)	- 1 (mL/hr)	- 1 (mL/hr)	- 1.5 (mL/hr)	- 1.5 (mL/hr)	- 2 (mL/hr)	- 2 (mL/hr)	- 2 (mL/hr)	- 2.5 (mL/hr)	- 2.5 (mL/hr)	- 2.5 (mL/hr)
Decrease by 3 units/kg/hr (mL/hr)	- 1.5 (mL/hr)	- 2 (mL/hr)	- 2 (mL/hr)	- 2.5 (mL/hr)	- 2.5 (mL/hr)	- 3 (mL/hr)	- 3.5 (mL/hr)	- 3.5 (mL/hr)	- 3.5 (mL/hr)	- 4 (mL/hr)

**Rounding Patient's Weight:** If less than 5 kg round down, if greater than or equal to 5 kg round up.

**Example:** If the patient weighs 54 kg round to 50 kg.

If the patient weighs 56 kg round to 60 kg.