

ALLERGIES – PLEASE SEE HMOF/ORCA

Inpatient Low Molecular Weight Heparin Treatment Orders

Total/Dry Body Weight _____ kg

Serum Creatinine _____

$$CrCl = \frac{(140 - \text{Age}) \times (\text{Weight in kg}) \times 0.85 \text{ for females}}{72 \times \text{Serum Creatinine}}$$

- Labs:** Baseline and every am CBC (for platelet count and Hct)
 Baseline serum creatinine

I. VTE Treatment

A. Normal Renal Function (CrCl ≥ 30 mL/min and not on dialysis)

- Wt < 46 kg = Dalteparin _____ units (200 units/kg rounded to nearest 500 units) SubQ every 24 hr
- Wt 46-56 kg = Dalteparin 10,000 units SubQ every 24 hr
- Wt 57-68 kg = Dalteparin 12,500 units SubQ every 24 hr
- Wt 69-82 kg = Dalteparin 15,000 units SubQ every 24 hr
- Wt 83-98 kg = Dalteparin 18,000 units SubQ every 24 hr
- Wt > 98kg or pregnancy or BMT (regardless of weight) =
Dalteparin _____ units (100 units/kg rounded to nearest 100 units) SubQ every 12 hrs

B. Severe Renal Insufficiency (CrCl < 30 mL/min)

UNFRACTIONATED HEPARIN PREFERRED - see heparin infusion orders

- Enoxaparin _____ mg (1 mg/kg rounded to nearest 10mg) SubQ every 24 hrs

II. Inpatient Bridge Therapy for Interruption of Warfarin

A. Normal Renal Function (CrCl ≥ 30 mL/min)

UNFRACTIONATED HEPARIN PREFERRED - see heparin infusion orders

- Dalteparin _____ units (100 units/kg – rounding to nearest 100 units) SubQ every 12 hrs

If on warfarin for VTE treatment - use VTE treatment dosing above

B. Severe Renal Insufficiency (CrCl < 30 mL/min)

UNFRACTIONATED HEPARIN PREFERRED - see heparin infusion orders

III. Acute Coronary Syndrome (ACS)

UNFRACTIONATED HEPARIN PREFERRED - see heparin infusion orders

- Dalteparin _____ units (120 units/kg rounded to the nearest 100 units) SubQ every 12 hr
(Dalteparin ONLY in patients with CrCl > 60 mL/min for ACS)

PROVIDER SIGNATURE	PRINT NAME	PAGER	NPI	DATE	TIME
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PT.NO

NAME

DOB

UW Medicine

Harborview Medical Center – UW Medical Center
University of Washington Physicians
Seattle, Washington

INPT LOW MOLECULAR WT HEPARIN ORDERS



U2933

WHITE - MEDICAL RECORD

UH2933 REV JUN 10

LWMH DOSING RECOMMENDATIONS

UW Medicine (University of Washington Medical Center/Harborview Medical Center/SCCA) June 2010

* rounded to nearest syringe size, with no capping

** rounded to nearest 100 units using 25,000 units/mL MDV with no capping

***rounded to nearest 500 units using 10,000 units/mL syringe, with no capping

CLINICAL SCENARIO		LMWH DOSING RECOMMENDATION		
		INPATIENT		OUTPATIENT
VTE PROPHYLAXIS				
Orthopedic surgery		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
Trauma		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
Acute Spinal cord injury		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
Acute medical illness		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
General surgery		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
Bariatric surgery		Enoxaparin 40 mg every 12 hours		Enoxaparin 40 mg every 12 hours
Morbid obesity (BMI > 40)		Enoxaparin 40 mg every 12 hours		Enoxaparin 40 mg every 12 hours
Severe renal impairment (Clcr < 30)		Dalteparin 5000 units every 24 hours		Dalteparin 5000 units every 24 hours
VTE TREATMENT				
Venous thrombosis		<i>Dalteparin 200 units/kg every 24 hours*</i>		<i>Dalteparin 200 units/kg every 24 hours*</i>
Cancer-associated venous thrombosis		<i>Dalteparin 200 units/kg daily X 1 month, then 150 Units/kg daily for a minimum of 3-6 months*</i>		<i>Dalteparin 200 units/kg daily X 1 month, then 150 Units/kg daily for a minimum of 3-6 months*</i>
Pregnancy		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1mg/kg every 12 hrs
Low body weight (wt < 45 kg)		Dalteparin 200 units/kg every 24 hrs***		Dalteparin 200 units/kg every 24 hrs***
Obesity (wt ≥ 99kg)		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1 mg/kg every 12 hrs
Moderate renal impairment (Clcr 30 - 60)		<i>Dalteparin 200 units/kg every 24 hours*</i>		<i>Dalteparin 200 units/kg every 24 hours*</i>
Severe renal impairment (Clcr < 30)		UFH preferred, or Enoxaparin 1 mg/kg every 24 hours		Enoxaparin 1 mg/kg every 24 hours
ACUTE CORONARY SYNDROME				
Unstable angina/NQWMI		Dalteparin 120 units/kg every 12 hrs**		Not applicable
Renal Impairment (Clcr < 60)		UFH preferred		Not applicable
BRIDGE THERAPY				
		UFH preferred, or:		
Atrial fibrillation		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1 mg/kg every 12 hrs
Heart valve replacement		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1 mg/kg every 12 hrs
History of VTE		<i>Dalteparin 200 units/kg every 24 hours*</i>		<i>Dalteparin 200 units/kg every 24 hours*</i>
Pregnancy		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1 mg/kg every 12 hrs
Low body weight (wt ≤ 45 kg)		Dalteparin 100 units/kg every 12 hrs***		Enoxaparin 1 mg/kg every 12 hrs
Obesity (wt ≥ 99kg)		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 1 mg/kg every 12 hrs
Moderate renal impairment (Clcr 30 - 60)		Dalteparin 100 units/kg every 12 hrs**		Enoxaparin 0.85 mg/kg every 12 hrs
Severe renal impairment (Clcr < 30)		UFH preferred		Enoxaparin 1 mg/kg every 24 hrs

TBW (kg)	Recommended syringe size for 200 units/kg q24h dose*	Actual dose range delivered	Recommended syringe size for 150 units/kg q24h dose	Actual dose range delivered
≤ 45 kg	200 units/kg SubQ every 24hrs rounded to nearest 500 units using 10,000 units/ml graduated syringe	200 units/kg every 24hrs***	150 units/kg SubQ every 24hrs rounded to nearest 500 units using 10,000 units/mL graduated syringe	150 units/kg q24h***
46 -56	10,000 units/1mL (graduated)	217.4 – 178.5 units/kg	7500 units/0.3mL (not graduated)	134– 163 units/kg
57-68	12,500 units/0.5mL (not graduated)	219 – 183.8 units/kg	10,000 units/1mL (graduated)	147– 175 units/kg
69-82	15,000 units/0.6mL (not graduated)	217 – 182.3 units/kg	12,500 units/0.5mL (not graduated)	152 – 181 units/kg
83-98	18,000 units/0.72mL (not graduated)	216.8 – 183.6 units/kg	15,000 units/0.8mL (not graduated)	153 – 180 units/kg
≥99 kg	100 units/kg SubQ every 12hrs rounded to nearest 100 units drawn up using 25,000 units/mL MDV	100 units/kg every 12h**	150 units/kg SubQ q24h rounded to nearest 100 units drawn up using 25,000 units/mL MDV	150 units/kg q24h**