

**COMPARISON OF FORMULARY LOW MOLECULAR WEIGHT HEPARINS
and FONDAPARINUX**

Drug	Dalteparin (Fragmin®)	Enoxaparin (Lovenox®)	Fondaparinux (Arixtra®)
Indications/Dose <u>Prophylaxis of DVT/PE</u>	≤ 40 kg: 2500 units SC daily > 40 kg: 5000 units SC daily	30mg SC Q12H (major ortho trauma or spinal cord injury)	2.5 mg SC daily ³
<u>Treatment of DVT/PE</u>	200 units/kg SC daily ²	1mg/kg SC Q12H ^{1,2} OR 1.5mg/kg SC daily ^{1,2}	5-10 mg SC daily ³ (dependent on weight)
<u>Acute Coronary Syndrome (ACS)</u>	-	1mg/kg SC Q12H ²	2.5 mg SC daily ³
Peak Onset (SC)	4 hours	3 hours	2 hours
Anti Xa:IIa Ratio	2-2.7:1	2.7-4.1:1	Pure Anti-Xa
Plasma Half-Life (anti-Xa activity)	2-2.3 hours	3.5-4.2 hours	17-21 hours
Elimination	renal	renal	renal
When to Hold SC Dose Prior to Surgery⁵	<u>Q24H Treatment dose</u> : no dose within 36 hrs ⁴ <u>Prophylaxis</u> : no dose within 12hr	<u>Q12H Treatment dose</u> : no dose within 24 hrs <u>Prophylaxis</u> : no dose within 12 hrs	<u>Treatment</u> : no dose within 48hr <u>Prophylaxis</u> : no dose within 24hr

¹ non-formulary indication at Vancouver Acute

² the manufacturer recommends a maximum dose of dalteparin 18,000 units/day and enoxaparin 180 mg/day or 100 mg Q12H; however, dosage should be individualized and higher dosages may be administered for obese patients

³ formulary for unstable angina/non-ST elevation myocardial infarction, and patients with HIT

⁴ for Q24H treatment dose, can give 50% of daily dose 24hr preop

⁵ Epidural catheter should not be removed within 18 hours of a dose of dalteparin or 10 hours of a dose of heparin. After epidural catheter removal, dalteparin or heparin should not be given for at least 2 hours.