

## **THERAPEUTIC ENOXAPARIN GUIDELINES**

(Refer to PTSAF-19 Adult Therapeutic Heparin and Enoxaparin Guidelines for more details)

**Table 1.** Therapeutic Enoxaparin Dosing and Considerations

Indication	Standard Dose	Special Populations and Considerations
Therapeutic Anticoagulation	1 mg/kg q12h <i>or</i> 1.5 mg/kg q24h  [Actual body weight used in most cases]	<p><u>CrCl &lt;30 mL/min:</u></p> <ul style="list-style-type: none"> <li>• Dosage adjustment warranted (1 mg/kg q24h)</li> <li>• Recommend checking anti-Xa to confirm dosing strategy*</li> </ul> <p><u>End-stage renal disease or acute renal failure:</u></p> <ul style="list-style-type: none"> <li>• Consider an alternative anticoagulant if possible</li> </ul> <p><u>Elderly patients with borderline renal function:</u></p> <ul style="list-style-type: none"> <li>• Consider utilizing a lower weight-based dose (example: 0.75 mg/kg q12h) to avoid excessive anticoagulation</li> <li>• Recommend checking anti-Xa to confirm dosing strategy*</li> </ul> <p><u>Obese patients:</u></p> <ul style="list-style-type: none"> <li>• BMI <math>\geq 40</math> kg/m<sup>2</sup> and/or weight <math>\geq 150</math> kg: Enoxaparin 0.75 mg/kg q12h</li> <li>• Weight <math>\geq 150</math> kg: Enoxaparin 0.75 mg/kg q12h and consider anti-Xa monitoring</li> <li>• Avoid once daily dosing</li> <li>• Dose capping based on weight is not recommended.</li> <li>• Recommend checking anti-Xa to confirm dosing strategy*</li> </ul> <p><u>Low-weight patients</u></p> <ul style="list-style-type: none"> <li>• Weight-based dosing in patients less than 50 kg is not encouraged</li> <li>• Recommend checking anti-Xa to confirm dosing strategy*</li> </ul>

**Note:** \*Anti-Xa may be elevated with recent use of direct factor Xa inhibitors (apixaban, rivaroxaban).  
Ensure appropriate timing when transitioning to and from anticoagulant agents.

**Table 2.** Therapeutic Enoxaparin Dose Rounding Guidelines

Dose Written (mg)	Rounded Dose (mg)	Syringes Dispensed
25 - 34	30 (0.3 mL)	30 mg x 1
35 – 49	40 (0.4 mL)	40 mg x 1
50 – 69	60 (0.6 mL)	60 mg x 1
70 – 89	80 (0.8 mL)	80 mg x 1
90 – 109	100 (1 mL)	100 mg x 1
110 – 134	120 (0.8 mL)	120 mg x 1
135 - 164	150 (1 mL)	150 mg x 1
Dose capping based on weight is not recommended. Doses <25 mg and >164 mg will be prepared as patient-specific syringes by the pharmacy, rounded to the nearest 10 mg.		