

Low Molecular Weight Heparin Reversal Guidelines

- Protamine sulfate neutralizes about 60% of the anti-factor Xa activity.
- STAT protamine sulfate – see dosing recommendations below

Time From Last Dose Of Enoxaparin	Protamine Sulfate Dose
LESS than 8 hours	1 mg protamine for every 1 mg of enoxaparin (maximum recommended dose is 50 mg)
GREATER than or EQUAL to 8 hours	0.5 mg protamine for every 1 mg of enoxaparin (maximum recommended dose is 50 mg)

- **Protamine must be administered via Slow IVPush over at least 10 minutes**
- aPTT at 4 hours
- ***If, 4 hours after initial dose of protamine, bleeding continues or aPTT is prolonged, may administer a second dose of protamine 0.5 mg for every 1 mg of enoxaparin***
- Monitor: Anti Xa level