

Heparin Antidote

- Termination of the IV infusion generally will terminate the anticoagulant effect.
- If immediate reversal is required **protamine** sulfate will result in neutralization of heparin. The dose of protamine is based on the amount of heparin administered in the previous 2 hours using **Table 2**.

Table 2-Protamine sulfate for immediate reversal

Time since last heparin dose	Protamine dose/100 units heparin given
<30 minutes	1 mg
30-60 minutes	0.5-0.75 mg
60-120 minutes	0.375-0.5 mg
>120 minutes	0.25-0.375 mg

- Maximum Protamine dose is 50 mg.
- Protamine should be given IV over 10 minutes. Infusion rate should not exceed 5 mg/min. More rapid infusion may result in hypotension. Patients with hypersensitivity to fish and those who have received protamine-containing insulin or previous protamine therapy may be at risk of hypersensitivity reactions.
- Obtain blood for an PTT and PT 15 minutes after the administration of protamine.
- Excessive Protamine doses may worsen bleeding potential.

References:

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These guidelines do not establish a standard of care to be followed in every case. It is recognized that each case is different and those individuals involved in providing health care are expected to use their judgment in determining what is in the best interests of the patient based on the circumstances existing at the time. It is impossible to anticipate all possible situations that may exist and to prepare guidelines for each. Accordingly these guidelines should guide care with the understanding that departures from them may be required at times.

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