


CARDIOVASCULAR CLINICAL PROGRAM


LEPIRUDIN (REFLUDAN)

Indications: anticoagulation in patients with heparin-induced thrombocytopenia (HIT) and associated thromboembolic disease in order to prevent further thromboembolic complications.

To mix for bolus (final concentration of 5 mg/mL):

- reconstitute one vial (50 mg) with 1 mL of sterile water or NS
- transfer the contents of the vial to a 10 cc syringe and dilute the solution to a total volume of 10 mL, using sterile water, NS, or D5W
- administer according to body weight (0.4 mg/kg [up to 110 kg]), adjust for renal insufficiency[§] (0.2 mg/kg [up to 110 kg])– see chart below.

To mix for infusion (final concentration of 0.4 mg/mL):

- reconstitute two vials (50 mg each vial) with 1 mL of sterile water or NS
- transfer the contents of the vials to 250 mL bag of NS or D5W
- administer according to body weight and CrCl – see chart below.

Lepirudin should not be mixed other drugs. Reconstituted solution is stable for 24 hours.

LEPIRUDIN DOSING							
Weight (kg)	Weight (lb)	Bolus Dose (mL)		Maintenance Infusion Rate (mL/hr)			
		0.4 mg/kg	0.2 mg/kg [§]	CrCl > 60 mL/min	CrCl 45-60 mL/min	CrCl 30-44 mL/min	CrCl 15-29 mL/min
				SCr < 1.6	SCr 1.6-2.0	SCr 2.1-3.0	SCr 3.1-6.0
		0.15 mg/kg/h	0.075 mg/kg/h	0.045 mg/kg/h	0.0225 mg/kg/h		
50-59	110-131	4.0 mL	2.0 mL	19 mL/h	9 mL/h	6 mL/h	3 mL/h
60-69	132-153	4.8 mL	2.4 mL	23 mL/h	11 mL/h	7 mL/h	3.5 mL/h
70-79	154-175	5.6 mL	2.8 mL	26 mL/h	13 mL/h	8 mL/h	4 mL/h
80-89	176-197	6.4 mL	3.2 mL	30 mL/h	15 mL/h	9 mL/h	4.5 mL/h
90-99	198-219	7.2 mL	3.6 mL	34 mL/h	17 mL/h	10 mL/h	5 mL/h
100-109	220-241	8.0 mL	4.0 mL	38 mL/h	19 mL/h	11 mL/h	5.5 mL/h
≥ 110	≥ 242	8.8 mL	4.4 mL	41 mL/h	21 mL/h	12 mL/h	6 mL/h

[§] In all patients with renal insufficiency (CrCl < 60 mL/min, SCr ≥ 1.6 mg/dL) bolus dose must be reduced by 50%.