

CONSIDER ALLERGIES BEFORE PRESCRIBING – CHECK FRONT OF CHART	NAME		DATE OF BIRTH
	WARD	MRN	WEIGHT (KG)

HEPARIN INFUSION PRESCRIPTION FOR VARIABLE DOSING

(For weight <50kg or >100kg, contact Consultant/Haematology)

1. Initial Bolus Dose: Prescription

Administration

Medication	Dose	Route	Date to be given	Time to be given hh:mm	Prescriber signature	Prescriber signature if bolus NOT to be administered	Given by /Checked by	Time given
Heparin Sodium Injection 1,000 units/ml	5,000 units (5 ml)	IV Bolus					/	

2. Variable Dosing Infusion

Target APTT Ratio: 1.5 – 2.5 (corresponding APTT (secs))

Prescription

Monitoring & Dose Adjustment by Protocol

Administration

Medication		Dose	Date	Lab Result Time hh:mm	APTT Result	Infusion Rate (ml/hour)	Infusion Adjustment Time hh:mm	Time of Next APTT	Given by / Checked by
Heparin Sodium in Normal Saline 25,000 units/50ml (500 units per ml)		1,000 units/hour (2ml/hour) initially – check APTT 4 hours after start of infusion, then adjust as per protocol							/
Route: Intravenous									/
Start Date:		Start Time:							/
Prescriber sign:		Contact No.							/
Stop Date:		Stop Time:							/
Prescriber sign:		Contact No.							/
PROTOCOL FOR HEPARIN ADJUSTMENT – CHECK APTT EVERY 4 HOURS									
APTT (secs)	APTT Ratio	Dose Adjustment							/
Above 178	Above 6.6	Stop the infusion for 1 hour, then reduce by 500 units/hour (↓ by 1ml/hour) and maintain this rate until next APTT check							/
137 – 178	5.1 – 6.6	Reduce by 500 units/hour (↓ by 1ml/hour) and maintain this rate until next APTT check							/
110 – 136	4.1 – 5.0	Reduce by 300 units/hour (↓ by 0.6ml/hour) and maintain this rate until next APTT							/
84 – 109	3.1 – 4.0	Reduce by 100 units/hour (↓ by 0.2ml/hour) and maintain this rate until next APTT check							/
70 – 83	2.6 – 3.0	Reduce by 50 units/hour (↓ by 0.1ml/hour) and maintain this rate until next APTT check							/
40 – 69	1.5 – 2.5	No change necessary							/
33 – 39	1.2 – 1.4	Increase infusion by 200 units/hour (↑ by 0.4ml/hour) and maintain this rate until next APTT check							/
Less than 33	Less than 1.2	Increase infusion by 400 units/hour (↑ by 0.8ml/hour) and maintain this rate until next APTT check							/