



Gloucestershire

Unfractionated Heparin Infusion Chart

Name:
Date of Birth: DD /MM /YYYY
Hospital Number:
<i>(or affix Hospital label here)</i>

Hospital

Ward

1. Prescription (including loading dose)

Please indicate on the front of the inpatient chart that a Heparin Infusion Chart is being used then prescribe the infusion inside the chart. When prescribing dosage please write 'see Heparin Chart'. Prescribing the infusion in this way authorises designated nurses to adjust the infusion rate according to the dosage table below.

Loading Dose: 5mL of solution containing 1000 units in 1mL without preservative to be given over 5 minutes by slow IV injection.	Doctor's Signature:
Given By:	Date:
	Time:

2. Infusion Solution

Prepare infusion solution using ampoules of heparin sodium 1000 units per mL solution for infusion (i.e. without preservative) to give an infusion solution containing 1000 iu/mL.

As with all infusion solutions any unused portion should be discarded after 24 hours

Initial infusion rate is according to table below

Weight (kg)	Infusion Rate
40 - 49	800 iu (0.8mL per hour)
50 - 59	900 iu (0.9mL per hour)
60 - 69	1100 iu (1.1mL per hour)
70 - 79	1200 iu (1.2mL per hour)
80 - 89	1400 iu (1.4mL per hour)

Weight (kg)	Infusion Rate
90 - 99	1600 iu (1.6mL per hour)
100 - 109	1800 iu (1.8mL per hour)
110 - 119	2000 iu (2mL per hour)
120 - 129	2200 iu (2.2mL per hour)
130 - 139	2400 iu (2.4mL per hour)

Patient weight (kg)	Commence infusion at	mL per	Doctor's Signature:
	hour		
Given By:	Date:		Time:

3. Dosage Adjustment

This is based on the activated Partial Thromboplastin Time (aPTT) Ratio as shown below
The dose must be adjusted by altering the infusion rate

Do not change the concentration of the infusion solution

aPTT Ratio	Infusion Rate Adjustment	Recheck aPTT Ratio
More than 4.00	Stop infusion for 1 hour then reduce by 500 iu (0.5mL per hour)	after 6 hours
3.01-4.00	Reduce by 300 iu (0.3mL per hour)	after 6 hours
2.51-3.00	Reduce by 100 iu (0.1mL per hour)	after 6 hours
1.5-2.5	No change	after 24 hours
1.2-1.49	Increase by 200 iu (0.2mL per hour)	after 6 hours
Less than 1.2	Increase by 400 iu (0.4mL per hour)	after 6 hours

Administration of the infusion and titration of the dose must be documented overleaf

To be filed in the Charts and Forms Section of the Health Record

