(\blacklozenge)

Form 725.ai 1 17/11/2021 21:1	6:18	
Feidhmeannacht na Seirbhíse Sláinte Health Service Executive		CUH Ospidéal Ollscoile Chorcaí Cork University Hospital
CONSULTANT:	RAPH HERE	ANTICOAGULATION**:
Date of Birth	MRN	CHECK ALLERGY STATUS Ensure record of Unfractionated Heparin Chart is documented on standard hospital MPAR
	Prescribing, Adn	ninistration and Monitoring Guidance
 Review baseline APT If baseline INR > If patient has thr Target APTT Ratio The standard the To use a target restance of the standard the Loading Dose: See 	T ratio, coagulation screen, F >1.5 and the patient is not on v ombocytopenia (e.g. platelets erapeutic range for UFH in CU ange other than APTT ratio of STEP 1 for guidance a	< 75 x 10 ⁹ / L)
 2.0–2.5 using the Check APTT rationadvised. 	o approximately 6 hours afte e dose adjustment table (Sec o approximately 6 hours afte	r starting UFH maintenance infusion, then adjust rate to achieve an APTT ratio e STEP 3 page 2). Maintain the changed rate until next APTT ratio. r each dose change. If APTT ratio is very high more frequent measurements are s patients will be at a higher risk of bleeding.
-	for signs of <u>Heparin Induced</u> fer to Haematology Team.	Thrombocytopenia (HIT) e.g.50% reduction count of platelets, thrombosis or
STEP 1	Prescribe lo	ading dose based on baseline APTT ratio

Prepare using: 1000 units /ml UFH (5000 units /5 ml vial)									
Baseline APTT ratio	atio Administer IV loading dose over 5 minutes as a single dose, then refer to Step 2 for UFH maintenance infusion rate (ml/hour)								
	units ml (1000 units/ ml)								
<u><</u> 1.5		5000	units		5ml				
1.6-1.9	2500 units			2	2.5ml				
<u>></u> 2.0	Heparin is contraindicated contact Haematology Team								
For patients with a high risk of bleeding, a loading dose may not be required. For example:									
 patients that received heparin in the providue 6 hrs 		post stroke	elderly>70years	 creatinine clearance c20ml/min 	low body weight				

in the previous 6 hrs <a><30ml/min A revised APTT target ratio may be required if there is a high risk of bleeding please contact Haematology Team.

	Prescribing Record	Preparation Record						
Date	Intravenous Heparin Dose	Prescriber Signature	Prescriber MCN/ NMBI	Prepared By	Checked By	Start Time	Finish Time	
/ /	over 5 units minutes					:	:	
/ /	over 5 units minutes					:	:	
If UFH loading dose is NOT to be administered, please complete Date: / / Signature: MCN:								

**NOTE: Vascular Team may prescribe a non-standard dose of UFH post vascular intervention (e.g. angioplasty) which is not adjusted according to APTT ratio. This regimen is prescribed on the regular MPAR.

 \bigcirc

۲

۲

۲

۲

۲



To prepare the UFH 25000 units/50ml (500 units/ml) maintenance infusion:

Draw up 25ml of UFH 1000 units/ ml in a syringe(use five vials of 5000 units/5ml) and add 25ml of 0.9% sodium chloride to give a concentration of 500 units/ml. Administer UFH by syringe pump.

On the Perfusor CUH Drug Library select the file Heparin 25000 (Hep cvvh). Change UFH infusion and giving set every 24 hours.

	Prescribing Record 25000 units UFH in 50 ml					Preparation Record 25000 units UFH in 50 ml				
Date	Time	APTT Ratio	Intraveno	us Infusion Rate	Prescriber Signature	Prescriber MNC/NMBI	Prepared By	Checked By	Start Time	Time to check next APTT ratio
/	•		1000	units/ hour					•	•
/ ·	•		2	ml/ hour					•	•

STEP	3 Adjust IV UFH maintenance infusion rate based	on APTT ratio							
Please adjust rate according to measured APTT ratio.									
APTT ratio	Suggested actions and changes in infusion rate	Suggested time for repeat APTT ratio							
<u><</u> 1.5	 Increase by 400 units/ hour (= increase by 0.8ml/ hour) and Consider IV bolus dose of 5000 units (refer to STEP 1) and if APTT ratio remains ≤1.5 despite this action consult Haematology Team 	Re-check after 6 hours							
1.6-1.9	 Increase by 200 units/hour (= increase by 0.4 ml/ hour) and 	Re-check after 6 hours							
	 Consider IV bolus dose of 2500 units (refer to STEP 1) 								
2.0-2.5	No change in infusion rate	Re-check after 6 hours							
2.6-3.0	Reduce by 100 units/hour (= reduce by 0.2 ml/ hour)	Re-check after 6 hours							
3.1-4.0	Stop for 30 minutes . Reduce by 200 units/hour (= reduce by 0.4 ml/ hour)	Re-check after 6 hours							
4.1-5.0	Stop for one hour . Reduce by 300 units/hour (= reduce by 0.6ml/hour)	Re-check after 6 hours							
>5.0	 Stop for one hour and contact Haematology Team Reduce by 500 units/hour (= reduce by 1ml/hour) 	Re-check after 2 hours							

MAINTAIN THE CHANGED RATE UNTIL APTT RATIO IS CHECKED AGAIN

Date	Time	APTT Ratio	Intravenous Infusion Rate	Rate Adjusted By	New Infusion Prepared By (As applicable. Replace every 24hrs)	Checked By	Start Time	Time to check next APTT ratio
/	:		units/hour				:	:
/	•		ml/hour				•	-
/	•		units/hour				:	:
<i>'</i>	•		ml/hour				•	-
/	•		units/hour				:	
/	•		ml/hour				•	•
/	•		units/hour	units/hour			•	-
/	•		ml/hour				•	•
/	•		units/hour				:	
/	•		ml/hour				-	•
/	•		units/hour				•	•
/	•		ml/hour				•	•
/	•	_	units/hour				•	•
/	•		ml/hour				•	•
/	•		units/hour				•	•
		ĺ	ml/hour				•	•
/			units/hour	units/hour	•	•		
/	•		ml/hour				•	•
/	•		units/hour				•	•
/	•		ml/hour				•	•
/	•		units/hour				:	•
/	·		ml/hour					·
/			units/hour					•
/	•		ml/hour				•	•

۲

۲