

This UFH pocket card was translated solely as a reference for this publication (original in French)



Monitoring

Check anti-Xa HNF activity:

- 6h (at least 4h) after initial dose
- 6h after each change of dose, or at least 1x/day
- Check platelet levels before starting UFH, then 2-3x/week for 2 weeks

If anti-Xa level >1.0 IU/ml or < 0.20 IU/ml, check:

- Where blood was drawn: same side as UFH? On the UFH catheter?
- Any other IV meds on the same catheter as UFH?
- Is the syringe pump working? Tubing unobstructed?

Therapeutic anticoagulation with IV UFH

Overview

- Prescribe in IU/24h, administer with a syringe pump
- Only use heparin vials (20'000 IU/48 ml)
- CBC, Quick and a PTT should be drawn before starting UFH perfusion

Administering UFH



- Initial dose : 400 IU/kg/24h in syringe pump (max 40'000 IU/24h)
- In the case of an acute thrombotic event, consider an initial bolus of 50 IU/kg (max 5000 IU)

No bolus if:

Recent surgery (< 48-72hrs)
Thrombocytopenia < 50 G/l
Thrombolysis
Other causes for increased bleeding

Therapeutic anticoagulation with IV UFH

Titration dose protocols (Smith ML et al, *Am J Health Syst Pharm* 2010)

Anti-Xa HNF activity (UI/ml)	Bolus if prescribed	Other weights							
			If 55-64 kg	If 65-74 kg:	If 75-84 kg	If 85-94 kg	If 95-104 kg	If 105-114kg	
< 0.20	26 UI/kg*	↗ by 96 UI/kg/24hr	↗ by 5700 IU/24hr	↗ by 6700 IU/24hr	↗ by 7700 IU/24hr	↗ by 8600 IU/24hr	↗ by 10000 IU/24hr	↗ by 11000 IU/24hr	
0.20-0.29	Non	↗ by 48 IU/kg/24hr	↗ by 2900 IU/24hr	↗ by 3400 IU/24hr	↗ by 3800 IU/24hr	↗ by 4300 IU/24hr	↗ by 4800 IU/24hr	↗ by 5300 IU/24hr	
0.30-0.70	Non	-	-	-	-	-	-	-	
0.71-0.80	Non	↘ by 24 IU/kg/24hr	↘ by 1400 IU/24hr	↘ by 1700 IU/24hr	↘ by 1900 IU/24hr	↘ by 2200 IU/24hr	↘ by 2400 IU/24hr	↘ by 2600 IU/24hr	
0.81-0.99	Non	↘ by 48 IU/kg/24hr	↘ by 2900 IU/24hr	↘ by 3400 IU/24hr	↘ by 3800 IU/24hr	↘ by 4300 IU/24hr	↘ by 4800 IU/24hr	↘ by 5300 IU/24hr	
≥1.00	Non	 1hr ** then: ↘ by 96 IU/kg/24hr	 perfusion for 1hr ** then						↘ by 11000 IU/24hr
			↘ by 5700 IU/24hr	↘ by 6700 IU/24hr	↘ by 7700 IU/24hr	↘ by 8600 IU/24hr	↘ by 10000 IU/24hr		

*Except if major risk of bleeding

**Check how the blood was drawn

If you have any questions, call the hemostasis consultation (XX XXXXX)
Check anti-Xa HNF activity 6hrs after any change in dose.