

Guidance on LMWH-Heparin (anti-factor Xa) monitoring for *prophylactic* doses of LMWH

Usually not needed, but in COVID-19 positive patients it may be necessary, and might be required if there is renal impairment (Cr Cl <30 ml/min)

Order as “LMW Heparin assay” on TRAK (search for “heparin” and you will get 5 choices! – choose “LMW Heparin assay”; automated test done at RIE site, available 24 hours a day, please inform haematology laboratory staff if request is urgent; courier to RIE lab if at other sites

Use a green-top citrated tube; ensure sample is filled to the “level” marked on the side of the tube as the lab cannot assay the sample if underfilled.

Level must be checked 3-4 hours post administration of the dose of LMWH

Target “peak” range is 0.1-0.4 units/ml

Check a one-off level and thereafter as required

For patients requiring a invasive procedure/intervention/surgery withhold SC dalteparin the evening before the procedure, and take a “trough” LMWH-heparin level to ensure there is no accumulation (level should be < 0.1)

Guidance on LMWH-Heparin (anti-factor Xa) monitoring for *therapeutic* doses of LMWH

Order as “LMWH-Heparin level” on TRAK (as above)

Level must be checked 3-4 hours post administration of the dose of LMWH

Check a one-off level and thereafter as required

Target “peak” range is 0.5-1.0 units/ml

Guidance on Unfractionated Heparin (UFH) anti-factor Xa monitoring for therapeutic anticoagulation

Order as “UFH-Heparin level” on TRAK (search for “heparin” and you will get 5 choices! – choose “Unfractionated heparin assay – all sites” level; automated test done at RIE site, available 24 hours a day, please inform haematology laboratory staff if request is urgent; courier to RIE lab if at other sites

Use a green-top citrated tube; ensure sample is filled to the “level” marked on the side of the tube as the lab cannot assay the sample if underfilled.

Level is taken whilst the patient is on intravenous heparin – no need to stop the infusion

Check a one-off level and thereafter as required

Target level is 0.3-0.8 units/ml

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Date: 18/04/20