

# Low Molecular Weight Heparins: product and dosing guidance for thromboprophylaxis

## Dose for adult medical/surgical patients

Dalteparin 2500unit and 5000unit injections: Please reserve for use in patients with eGFR <20 and/or haematology advice

Body Weight (kg)	Renal Function (eGFR)*	LMWH product and dose (subcutaneous)
<50	<20	Contact haematology
	≥20	Enoxaparin 20mg (2000 units) OD
50 – 100	<20	Dalteparin 2500 units OD
	20 - 29	Enoxaparin 20mg (2000 units) OD
	≥30	Enoxaparin 40mg (4000 units) OD
101 - 150	<20	Dalteparin 2500 units OD
	20 - 29	Contact haematology
	≥30	Enoxaparin 40mg (4000 units) BD
>150	<20	Dalteparin 2500 units OD
	20 - 29	Contact haematology
	≥30	Enoxaparin 60mg (6000 units) BD

\*If there is any doubt about the accuracy of the eGFR measurement (e.g. very small or large patients) then the creatinine clearance should be calculated using the Cockcroft-Gault formula

### Renal Impairment

For patients with eGFR<20, anti-Xa level at 3 hrs post dose if continuing for more than 3 days. Contact haematology for interpretation. Ensure the request form for anti-Xa level specifies dalteparin.

### Body weight <50kg or >150kg or patient at increased risk of bleeding

Anti-Xa level at 3 hrs post dose if continuing for more than 3 days. Contact haematology for interpretation. Ensure the request form for anti-Xa level specifies dalteparin or enoxaparin.

## Dose for obstetric patients

Body Weight (kg)	Enoxaparin Dose (subcutaneous) (Creatinine Clearance* ≥30)
<50	20mg (2000 units) OD
50 - 90	40mg (4000 units) OD
91 - 130	60mg (6000 units) OD <sup>†</sup>
131 - 170	80mg (8000 units) OD <sup>†</sup>
>170	0.6mg/kg OD <sup>†</sup>

For patients with a creatinine clearance <30, contact haematology or obstetrics for further advice.  
<sup>†</sup> May be given in two divided doses

\*Creatinine clearance should be calculated using the Cockcroft-Gault formula

- For full prescribing advice on Dalteparin Sodium (Fragmin®) and Enoxaparin (Clexane®) refer to the Summary of Product Characteristic (SPC) available online at <https://www.medicines.org.uk/emc/>
- Enoxaparin for thromboprophylaxis in pregnancy: RCOG guidelines. April 2015
- Contact Haematology, Obstetrics or Medicines Information (ext. 573802) for further advice if needed