

Dalteparin dose chart for VTE prophylaxis and treatment in adults

All prescriptions must state indication and weight.

Medical and surgical patients

VTE Prophylaxis

eGFR

(CrCl if low body weight or elderly)

WEIGHT kg	DOSE and SYRINGE	
	eGFR (CrCl if low body weight or elderly)	
	20 mL/min/1.73m ² or more	Less than 20 mL/min/1.73m ²
Less than 45	2500 units ONCE a day	2500 units ONCE a day
45 - 99	5000 units ONCE a day	
100 - 149	7500 units ONCE a day	
150 or more	5000 units TWICE a day	

VTE Treatment

CrCl

Maximum single dose 18,000 units

If CrCl less than 20 mL/minute, give renal adjusted dose and discuss with Consultant Haematologist

WEIGHT kg	DOSE and SYRINGE	
	Creatinine clearance (CrCl)	
	30 mL/minute or more	20 - 29 mL/minute
Less than 45	7500 units ONCE a day	7500 units ONCE a day
45 - 56	10,000 units ONCE a day	7500 units ONCE a day
57 - 68	12,500 units ONCE a day	10,000 units ONCE a day
69 - 82	15,000 units ONCE a day	12,500 units ONCE a day
83 - 100	18,000 units ONCE a day	15,000 units ONCE a day
101 - 115	10,000 units TWICE a day	18,000 units ONCE a day
116 - 140	12,500 units TWICE a day	10,000 units TWICE a day
More than 140	15,000 units TWICE a day	12,500 units TWICE a day

General Information

Contra-indications

- Active bleeding
- Acquired bleeding disorder (eg acute liver failure)
- Uncontrolled systolic hypertension (>230/120 mmHg)
- Active peptic ulcer disease or risk of GI haemorrhage
- Thrombocytopenia (platelets less than 50x10⁹/L)
- Untreated inherited bleeding disorder eg. haemophilia, von Willebrand disease
- Acute stroke
- Previous heparin induced thrombocytopenia
- Sensitivity to heparin
- Bacterial endocarditis
- Taking other anticoagulants

Prescriptions must state

- Indication eg. DVT treatment
- Weight

If continued by GP, inform GP of above and duration

Time of dose

If admitted after 6pm prescribe first dose as STAT

Review / Monitoring Requirements Prophylaxis

Review within 24 hours and whenever the condition changes

Renal impairment: Monitor

- Renal function closely
- Signs of bruising and bleeding
- Anti Xa levels on the advice of Consultant Haematologist

Creatinine clearance (CrCl):

$$\frac{(140 - \text{Age}) \times \text{Weight (kg)} \times \text{Factor (Male 1.23 Female 1.04)}}{\text{Serum creatinine (micromol/L)}} = \text{_____ mL/minute}$$

Pregnant patients

VTE Prophylaxis

If CrCl less than 30 mL/minute, give first dose and discuss with Consultant Haematologist

Booking weight up to 36 weeks, then 36 week weight kg	DOSE and SYRINGE
Less than 50	2500 units ONCE a day
50 - 90	5000 units ONCE a day
91 - 130	7500 units ONCE a day
131 - 170	10,000 units ONCE a day
More than 170	75 units / kg / day in two divided doses
50 - 90 High prophylactic dose	5000 units TWICE a day

VTE Treatment

CrCl

Maximum single dose 18,000 units

If CrCl less than 30 mL/minute, give first dose and discuss with Consultant Haematologist

Booking weight up to 36 weeks, then 36 week weight kg	DOSE and SYRINGE	
	AM Dose	PM Dose
Less than 50	5000 units AM	5000 units PM
50 - 64	7500 units AM	5000 units PM
65 - 79	7500 units AM	7500 units PM
80 - 94	10,000 units AM	7500 units PM
95 - 109	10,000 units AM	10,000 units PM
110 - 124	12,500 units AM	10,000 units PM
125 - 139	12,500 units AM	12,500 units PM
140 - 154	15,000 units AM	12,500 units PM
155 - 169	15,000 units AM	15,000 units PM
170 or more	Give first dose 15,000 units and discuss with Consultant Haematologist	