

TEICOPLANIN – BONE AND JOINT INFECTIONS

THREE TIMES WEEKLY ADMINISTRATION

Dosing

1. Loading dose – Doses should be given **24 hourly for the first 3 days**

Target Trough Concentration	Ideal Body Weight (kg)* see IBW guidance		
	40-59	60-79	>80
20-30mg/L			
<i>CLCR<60ml/min**</i>	1000mg	1200mg	1400mg
<i>CLCR>60ml/min**</i>	1200mg	1400mg	1600mg

*Use Actual Body weight if lower than Ideal Body Weight

2. Maintenance doses – doses should be given **three times weekly on Mon, Wed and Fri.**

CrCLml/min (Use Actual Body Weight ABW to calculate CrCL) **							
<25	25-40	41-54	55-74	75-89	90-104	105-120	>120
Target Trough Concentration 20-30mg/L							
400mg	600mg	800mg	1000mg	1200mg	1400mg	1600mg	1800mg

** CrCl = $\frac{(140 - \text{age}) \times \text{weight (kg)}}{72}$ (1.23 male or 1.04 females)
Serum creatinine micromol/L

Monitoring

Dosing regime above aims to achieve a trough of **20-30mg/L**
BEFORE 6th dose (e.g. 15 -30 mins before) check trough Teicoplanin level

Adjust maintenance dose based on Teicoplanin level or renal function
NB: Teicoplanin levels may take 7 to 10 days to be reported

Teicoplanin Level (mg/L)	Action
<10	Recheck CrCL as per above table
10-20	Consider increasing dose to achieve trough 20-30mg/L
20-30	No dose adjustment. Recheck levels after 1 week
>30	Decrease frequency of dosing – give SAME dose twice weekly. Recheck levels after 1 week. Recheck CrCL

Ref: 1. SAPG Drug monograph (once available)

2. Summary of Product Characteristics, Targocid 400mg. Updated Oct 2024

3. Lamont et al. Development of teicoplanin dosage guidelines for patients treated within an outpatient antibiotic therapy programme. JAC 2009.

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