

NHS Lothian OPAT Teicoplanin Adult Dosing Procedure

Patient name:

Date of birth:

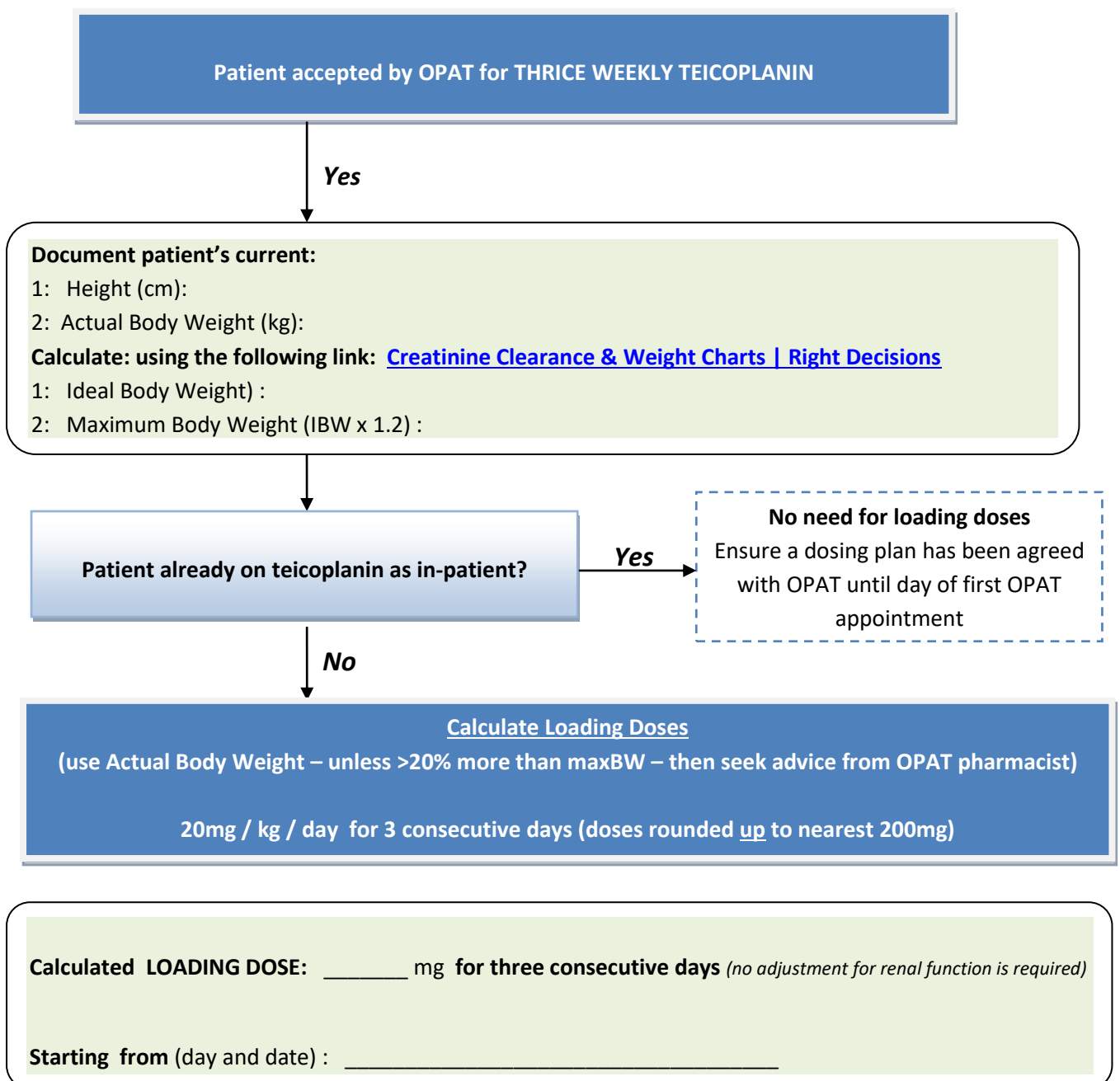
CHI:

Document your calculations in TRAK (\teicopat).
Clinical pharmacist check is recommended

This guidance is for OPAT and ward staff initiating three times a week dosing of teicoplanin.
It is only approved for in-patients who have been accepted by the OPAT service.

Patients can attend OPAT for continuation of loading doses if required and subsequently on Mondays, Wednesdays and Fridays for maintenance doses.

The aim is to achieve teicoplanin target levels of 20mg/L – 40mg/L with the following recommended dosing. (Other regimens / target trough levels may be used in other specialties).



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Loading days	1 st Maintenance Dose	Levels
Mon / Tue / Wed	Friday (48 hrs after LD)	Trough levels due before first maintenance dose and then weekly each Monday (steady state levels are typically achieved 3-4 weeks once established on a maintenance dose)
Tue / Wed / Thu	Friday (24hrs after LD)	
Wed / Thu / Fri	Monday (72 hrs after LD)	
Thu / Fri / Sat	Monday (48hrs after LD)	
Fri / Sat / Sun	Monday (24hrs after LD)	
Sat / Sun / Mon	Wednesday (48hrs after LD)	
Sun / Mon / Tue	Wednesday (24hrs after LD)	

Determine Thrice Weekly Maintenance Dose

Teicoplanin maintenance dosing is determined by the patient's renal function.

Use the table below to determine the thrice weekly maintenance dose.

If patient is over-weight and CrCl is on the cusp of two dose-bands – consider using the higher dose-band. If patient's CrCl is >120 and patient is over-weight, please seek advice from OPAT pharmacist

Document patient's current:

Creatinine (micromoles/L) :

Calculate (using Cockcroft and Gault equation):

Creatinine Clearance (ml/min):

Recommend using NHS Lothian calculator [link here](#) (which uses patient's actual body weight, but applies a maximum to prevent over-estimating renal function in the obese).

Target trough concentration 20-40 mg/L

	Creatinine Clearance (ml/min)							
	<25	25-40	41-54	55-74	75-89	90-104	105-120	>120
Dose	400mg	600mg	800mg	1000mg	1200mg	1400mg	1600mg	1800mg

Calculated MAINTENANCE DOSE : _____mg **to start from** (day and date):_____