Non-CF ADULT PARENTERAL Tobramycin (HARTFORD): PRESCRIBING, ADMINISTRATION & MONITORING CHART



Use for patients prescribed intravenous tobramycin unless aminoglycosides used for prophylactic indication or synergistic doses (usually in endocarditis)

Patient name: Date of birth:// CHI no.: Affix patient label				CHECK EXCLUSION CRITERIA OVERLEAF - If eGFR <20mI/min contact ID/Micro for advice PROMPT ADMINISTRATION within 1 hour of recognition of sepsis reduces mortality SIGNS OF TOBRAMYCIN TOXICITY - ASSESS DAILY RENAL: ↓ urine output/oliguria or ↑ creatinine OTO/ VESTIBULAR: NEW tinnitus, dizziness, poor balance, hearing loss, oscillating vision Toxicities may occur irrespective of tobramycin concentration. Discuss with senior medical staff any new signs/symptoms of toxicity.								
Age: Sex: M / F					Source of first do	Document dose calculation here:						
Actual body weight: kg Height: cm Creatinine:/ On//					Use online gentamicin calculator to calculate tobramycin dose (preferred method) (Available on NHST antibiotic website or Antimicrobial Companion App) Manual calculation (see overleaf for details) Weight based, creatinine not known							
ALWAYS CHECK IF PREVIOUS DOSES of AMINOGLYCOSIDES HAVE BEEN ADMINISTERED (e.g. in A&E, surgical prophylaxis-once only section) AND DOCUMENT ON CHART TO ENSURE COMPLETE TREAT											HART TO ENSURE COMPLETE TREATMENT RECORD	
Tobramycin Prescription Record						Administration Record			Monitoring Record		ord	(samples 6-14 hours after start of infusion)
TOXICITY Before prescribing each dose check renal function	Complete each time a dose is due (ensure to prescribed 'as per chart' on the TPAR). Pres				cobramycin is scribe to nearest 40mg. Complete each time tobram			nycin is	Record ALL sample dates/times accurately below. See overleaf for monitoring advice.			
	Date to be given	Time to be given 24 h clock	Tobramycin Dose (mg)	Pro PRIN	escriber's signature, TED name and STATUS	*Infuse or Date given	ver 60 mins* Time started 24 h clock	Given by	Date of sample	Time of sample 24 h clock	Tobra level (mg/L)	Action/ Comments (please initial action to be taken)
Cr = micromol/L								6-14 ho	urs			24 hourly
Cr = micromol/L												24 hourly 🔲 36 hourly 🗋 48 hourly 🖨 Stop 📮 Details/other :
Cr = micromol/L												24 hourly 🔲 36 hourly 🗋 48 hourly 🔲 Stop 📮 Details/other :
If antibiotic therapy is to continue beyond 3 days consider oral switch. Review microbiology results and sensitivities and prescribe targeted therapy where possible												
Discuss with an infection specialist if tobramycin required for more than 72hrs												
If the measured concentration is unexpectedly HIGH or LOW • Were dose and sample times recorded accurately? • Was the correct dose administered? • Was the sample taken from the line used to administer the drug? • Has renal function declined or improved? • Does the patient have oedema or ascites? • Was the sample taken from the line used to administer the drug?												e another sample before re-prescribing r contact pharmacy for advice.

TOBRAMYCIN GUIDELINE FOR USE IN ADULTS (HARTFORD Guidance)

- Aminoglycoside antibiotic bactericidal against many gram-negative and some gram-positive organisms. NO anaerobic activity. See <u>Micro Man</u>.
- Tobramycin is monitored using the Hartford nomogram which relates observed concentration to the time post dose within a given concentration range.
- Follow separate guidance when using tobramycin for <u>Cystic Fibrosis</u>, Renal Unit inpatients or patients on dialysis
- The dose is calculated as detailed below and repeated at 24 hour intervals or longer.

STEP 1: ASSESS PATIENT SUITABILITY

