Antimicrobials requiring Therapeutic Drug Monitoring

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	Vancomycin	Gentamicin (Once Daily)	Gentamicin (Multiple daily dosing)	Amikacin						
	Use Local guidelines (+/- local dosing calculator) to determine initial dose. Adjust dose and /or monitoring in renal impairment									
Timing of 1st level	Pre-Dose at 48hrs	16-24hrs post first/second dose	Trough level at 24hrs. Post-dose (30mins) level at 24hrs	16-24hrs post first/second dose						
Target range (s)	10-15mg/L (or 15-20mg/L)	Trough <1 mg/L	Trough <1mg/L, Peak 3-5mg/L	Trough <5mg/L						
Repeat levels	Twice weekly (e.g. Mon/Thurs or Tues/Fri) providing level in target range, dose and renal function are stable. If doses are adjusted to optimise levels and/or renal function is unstable, more frequent monitoring is required until they meet the former criteria (see 'Antimicrobial Guidelines')									

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Drug (Approved name) Vancomycin IV			What infection are you treating	J ?	Date															
		/	Reviewed By [Date	Time of Level															
Start Do	Dose	Freq	Prescriber Signature	Stop	Level															
Date			& Reg No	Date	Do not hold doses awaiting levels unless specifically advised															
					06.00											stop				
					10.00											Automatic stop unless rewritten				
					12.00															
					14.00															
					18.00															
					22.00															
Drug (Approved name) Gentamicin IV		e)	What infection are you treating ? Reviewed By Date		Date															
		,			Time of															
Start		lose Freq	Prescriber Signature	Stop Date	Level						Gentamicin					_				
Date	Dose		& Reg No		Do not hold doses awaiting levels unless specifically advised			is rarely					tten							
					unless spe	cificall	y advis	ed			indicated for more than 3-5 days			Automatic stop unless rewritten						
					16.00															
					18.00															
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Drug (Approved name) What infection		What infection are you treating] ?	Date																
			-	Date	Time of Level															
Start Date	Dose	Dose Freq	Prescriber Signature & Reg No	Stop Date	Level															
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24 If other agents requiring therapeutic drug monitoring are necessary, prescribe in regular antimicrobial prescription section with appropriate monitoring of levels.