

## Louth: Antimicrobial Guidelines - Louth Hospitals: Antimicrobial Guidelines: Adult Amikacin Guideline

Amikacin is a reserve aminoglycoside in LH and should only be prescribed on the advice of a Consultant Microbiologist or ID Consultant (except when administered as a single IM dose as part of TRUS biopsy prophylaxis regimen).

- Dose based on weight and renal function
- Use actual weight unless BMI  $\geq 30\text{kg/m}^2$
- If BMI  $\geq 30$ , use Obese Dosing Weight (ODW) to calculate creatinine clearance (CrCl) and amikacin dose
- Maximum IV amikacin dose 1,500mg daily



| CrCl           | Amikacin Dose         |
|----------------|-----------------------|
| > 50mL/min     | 15mg/kg once daily IV |
| 30 – 50 mL/min | 10mg/kg once daily IV |
| 10 – 30 mL/min | 5mg/kg once daily IV  |
| < 10 mL/min    | 3mg/kg STAT IV        |



- **Check renal function regularly**
- Check first trough level 18 – 24 hours after first dose
- Target trough level < 5mg/L
- Amikacin levels are processed externally – contact Laboratory Referrals directly for result (#2560)
- Repeat trough level twice weekly if creatinine normal or more often if creatinine abnormal or deteriorating.