

Louth: Antimicrobial Guidelines - Louth Hospitals: Antimicrobial Guidelines: Chronic Kidney Disease

[Calculate Creatinine Clearance](#)

These tables apply to adult patients with **chronic kidney disease** only. They do not apply to patients on dialysis or those with acute kidney injury.

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| Antimicrobial |
| Aciclovir IV |
| Adult Renal Dose Adjustment |
| GFR 25 – 50 ml/min : 5 – 10mg/kg every 12 hours |
| GFR 10 – 25 ml/min : 5 – 10mg/kg every 24 hours |
| GFR < 10 ml/min : 2.5 – 5mg/kg every 24 hours |
| References |
| Health Products Regulatory Authority. Summary of Product Characteristics for each product available from www.hpra.ie , accessed Jan 2023. |
| CRC Press. The Renal Drug Database. Available from www.renaldrugdatabase.com , accessed Jan 2023. |
| John Hopkins ABX Guide, www.hopkinsguides.com , accessed Jan 2023. |
| BMJ Group and Pharmaceutical Press. British National Formulary. Available from www.medicinescomplete.com , accessed Jan 2023. |
| Antimicrobial |
| Aciclovir ORAL |
| Adult Renal Dose Adjustment |
| GFR 25 – 50 ml/min : Simplex: Usual dose; Zoster: Usual dose |
| GFR 10 – 25 ml/min : Simplex: 200mg 4 times a day; Zoster: 800mg every 8 hours |
| GFR < 10 ml/min : Simplex: 200mg every 12 hours; Zoster: 800mg every 12 hours |
| References |
| Health Products Regulatory Authority. Summary of Product Characteristics for each product available from www.hpra.ie , accessed Jan 2023. |
| CRC Press. The Renal Drug Database. Available from www.renaldrugdatabase.com , accessed Jan 2023. |
| Antimicrobial |
| Amikacin |
| Adult Renal Dose Adjustment |
| GFR 30 – 50 ml/min : 10mg/kg daily |
| GFR 10 – 30 ml/min : 5mg/kg daily |
| GFR < 10 ml/min : 3mg/kg STAT |
| NB. Check trough level 16 – 24 hours after first dose. Trough < 5mg/L. |
| If renal function stable, check trough level every 3 doses. |
| If renal function abnormal or unstable, check trough level daily and wait for result unless patient acutely septic – in this case, contact Dr for advice. |
| REVIEW DURATION OF AMIKACIN AS SOON AS POSSIBLE. |
| References |
| Beaumont Hospital Antimicrobial Guidelines, 2023. Obtained with permission from Consultant Microbiologist. |
| Antimicrobial |
| Amoxicillin IV / ORAL |
| Adult Renal Dose Adjustment |
| GFR 10 – 50ml/min : Usual dose |
| GFR < 10 ml/min : 250mg – 1g every 8 hours (max 6g per day in endocarditis) |
| References |
| CRC Press. The Renal Drug Database. Available from www.renaldrugdatabase.com , accessed 30/7/18. |
| Antimicrobial |
| Anidulafungin |
| Adult Renal Dose Adjustment |
| No dose adjustment required in renal impairment |
| References |
| Health Products Regulatory Authority. Summary of Product Characteristics for each product available from www.hpra.ie , accessed 01/05/18. |
| CRC Press. The Renal Drug Database. Available from www.renaldrugdatabase.com , accessed 30/7/18. |