

## Guideline for Antibiotic Dosage in Renal Impairment

### Recognition and Assessment

For guidance on drug dosages for all inpatients and outpatients within ULHT with renal impairment requiring treatment with commonly used antibiotics.

### Immediate Treatment

Check patient’s renal function by referring to a recent Urea and Electrolyte result on WebV, using either estimated Glomerular Filtration Rate (eGFR) or calculated Glomerular Filtration rate using Serum Creatinine.

### Patient Monitoring

Recheck renal function regularly using Web V results and adjust drug doses accordingly using the table of antibiotic doses.

### Subsequent Management

See patient monitoring

### Discharge and Follow- Up

Only applicable to short term courses of antibiotics

## Document Control

### Version History Log

This table should detail the version history for this document. It should detail the key changes when a version is amended.

Version	Date Implemented	Details of key changes
1.	November 2009	N/A
2.	November 2012	Data updated in line with SPC and BNF changes
3.	November 2015	Data updated in line with SPC and BNF changes. Entries amended to reflect antibiotic formulary
4.	May 2018	Data updated in line with SPC and BNF changes. Addition of dialysis recommendations.

## Target Staff Group

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Applicable to all prescribers in ULHT

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## Auditable Standards and Frequency

The proportion of patients receiving an appropriate dose of antibiotics for their degree of renal impairment. Minimum of 10 inpatients with renal impairment prescribed antibiotics from one medical and one surgical ward sampled annually

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## Implementation strategy

Publication on the Trust Intranet, awareness raised via Trust newsletter and at each induction session for medical staff.

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## Author(s)

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## List of those consulted about the document

Lisa Price      Senior pharmacist, Medicines Information

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## References:

BNF on-line accessed Feb 2018  
Renal Drugs Database ([www.renaldrugdatabase.com](http://www.renaldrugdatabase.com)) accessed Feb 2018  
Summaries of Product Characteristics (SPCs accessed Feb 2018)  
ULHT Antibiotic formulary and prescribing advice for adult patients v7.2

## Signature Sheet

**Clinical document title**

Guideline for Antibiotic Dosage in Renal Impairment

**Date of Development**

Version 3 January 2016

Version 4 – May 2018

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DTC approved May 2018			

Author(s) confirm that they have collected all the signatures, as listed above, and posted to Clinical Governance Development Unit, Corridor F, Grantham Hospital..

<b>YES / NO</b>
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**Chair of Clinical Effectiveness Steering Committee\***

Dr Jacob