

## Urogenital

UROGENITAL SURGERY					
Type of surgery	Is surgical prophylaxis required? <sup>4,10</sup>	Prophylactic Antibiotic of choice	Penicillin allergy (NOT severe hypersensitivity reaction/anaphylaxis)	Severe hypersensitivity reaction/anaphylaxis to penicillins	Max duration of prophylaxis <sup>2,10</sup>
Transurethral resection of prostate (TURP)	Recommended	Gentamicin + Amoxicillin	Gentamicin	Gentamicin	Single dose
Transrectal ultrasound (TRUS)-guided prostate biopsy  <b>(Please see Appendix 4 for note regarding Multi-drug Resistant Organisms (MDRO))</b>	Recommended	Ciprofloxacin ± Gentamicin	Ciprofloxacin ± Gentamicin	Ciprofloxacin ± Gentamicin	24 hours
Transperineal prostate biopsy	*May be considered in high risk patients	Co-amoxiclav	Cefuroxime	Gentamicin	Single dose
Cystourethroscopy with manipulation (includes transurethral resection of bladder tumour-TURBT, any biopsy, resection, fulguration, foreign body removal, urethral dilatation, stent placement/removal, stone removal)	Recommended	Gentamicin	Gentamicin	Gentamicin	Single dose
Radical cystectomy (cystectomy and urinary diversion),  Nephrectomy or nephroureterectomy  Radical prostatectomy	Recommended	Co-amoxiclav±  Gentamicin	Cefuroxime±  Metronidazole (if bowel involvement)	Gentamicin +  Vancomycin ±  Metronidazole (if bowel involvement)	Single dose
Percutaneous nephrolithotomy (PCNL)	Recommended	Gentamicin	Gentamicin	Gentamicin	Single dose
Robotic surgery	Recommended	Co-amoxiclav	Cefuroxime	Gentamicin	Single dose
Cystoscopy  Urethral catheterisation	*May be considered in high-risk patients	Gentamicin	Gentamicin	Gentamicin	Single dose
Circumcision, hydrocele, urodynamics,  Extracorporeal shock wave lithotripsy (ESWL)	<b>Not recommended</b>				
<p>*Patients at increased risk of infection include those with pre-existing UTI, immunodeficiency, advanced age, anatomical abnormality of the renal tract and on immunosuppressive therapy.</p> <ul style="list-style-type: none"> <li>Consider addition of Vancomycin if <b>MRSA</b> high risk/known colonisation</li> <li>Tailor prophylaxis based on susceptibility report of pre-operative urine culture.</li> </ul>					