

Urinary Tract Infection in Adults – Guidance for ED Staff and Admitting Registrars

Presenting Feature:	In addition to urine culture, requires consideration of:	Refer to:
Cystitis-requiring admission (e.g. UTI associated with falls, confusion)	<ul style="list-style-type: none"> No suspicion of drug resistant organisms 	General Medicine or Aged Care Unit
Pyelonephritis in a healthy young female	<ul style="list-style-type: none"> Suspicion / history of multi-drug drug resistant organisms Normal renal function Haemodynamically stable 	General Medicine
Sepsis syndrome* from Urinary source	<ul style="list-style-type: none"> Blood cultures Urgent systemic antibiotics & resuscitation Appropriate imaging ICU referral if unstable 	<ul style="list-style-type: none"> Infectious Diseases or Urology Unit (if obstructive uropathy – see below) <p>* If adequate response to fluid resuscitation in ED, may be suitable for Gen Med / Aged Care Unit</p>
SPECIAL CASES		
Catheter-associated UTI requiring admission	<ul style="list-style-type: none"> Change catheter under antibiotic cover 	General Medicine or Aged Care Unit
Multi-resistant organisms (e.g. history of MRO Gram negatives, VRE)	<ul style="list-style-type: none"> History of recent overseas travel Infection control precautions Appropriate antibiotic choice 	Infectious Diseases where no surgical intervention is likely/indicated
Immunosuppressed host &/or Recurrent episodes	<ul style="list-style-type: none"> Imaging of renal tract Unusual organisms 	Infectious Diseases
Obstructive urosepsis (e.g. associated with obstruction secondary to renal stone, neoplasm, bleed, etc)	<ul style="list-style-type: none"> Blood cultures Appropriate imaging Surgical decompression (e.g. nephrostomy / ureteric stent) 	Urology Unit with ID consultation
Prostatitis (not associated with urological procedures)	<ul style="list-style-type: none"> Appropriate imaging Catheter if in retention 	General Medicine or Aged Care Unit with Urology consultation
Renal dialysis (haemo- or peritoneal dialysis) or Renal Transplant	<ul style="list-style-type: none"> Consider unusual organisms 	Renal Unit
Renal stone-associated urosepsis (non-obstructive)	<ul style="list-style-type: none"> Appropriate imaging 	<ul style="list-style-type: none"> Infectious Diseases with Urology consultation Urology if any large stone (>1.5cm) present
Recent urological procedure (e.g. stent placement, TURP, transrectal prostate biopsy)	<ul style="list-style-type: none"> Appropriate imaging Consider more resistant organisms if given peri-procedural antibiotics 	Urology Unit with ID consultation
Scrotal / perineal soft tissue infection – “Fournier’s gangrene”	<ul style="list-style-type: none"> Urgent surgical treatment and systemic antibiotics. 	General Surgery + Urology Unit with ID consultation