Galway: GAPP - Galway Antimicrobial Prescribing Policy / Guidelines (GAPP): Urinary Tract Infections

Urinary Tract Infections■

- 1. Non-pregnant patients with asymptomatic bacteruria do NOT require antibiotic treatment.
- 2. Bacteriuria in a patient with an indwelling urinary catheter is NOT an indication for treatment unless there are specific clinical features of infection. Removal of the urinary catheter at the earliest possible time is the best approach to dealing with catheter-associated bacteriuria.
- 3. A practice of routine antimicrobial prophylaxis with gentamicin or other agents at the time of catheterisation is NOT appropriate. See surgical prophylaxis section for note related to recent urological surgery.
- 4. Multi-drug resistant organisms (MDRO) are relatively common in patients with UTI from a nursing home setting and increasingly in other patients, Review recent previous urine culture and sensitivity. See note on ESBL and MDRO.
- 5. Check if any recent GP urine culture and sensitivities from iLab or contact the GP
- 6. These are summary empiric antibiotic choices. Full detailed Women's and Children's (WAC) Group Management of Urinary Tract Infections (UTI's) in Pregnancy are available on QPulse.

Empiric Antibiotics for Urinary	S Line Antibiotics	Commont		Duration
Infection	1 st Line Antibiotics	Comment		Duration
		anisms (MDRO) in all cases. S		
•	• •	Adjust initial treatment based c	on culture & sensitivity results.	Duration for non-pregnant
	6 hours	If eGFR<30ml/ min/1.73m ² , o	discuss patients with	women :
	Avoid nitrofurantoin if eGFR			3 days for nitrofurantoin
	<45 ml/min/1.73 m2. When	victobiology of fillectious Diseases		5 days for milloruramon
		If pregnant, see WAC Directorate Management of Urinary		(7 days in males)
	potential benefit outweighs	Tract Infections in Pregnancy (QPulse CLN-OGCP-227)		, , ,
	risk, it may be used with			
	caution if the eGFR is 30-44			
	ml/min/1.73 m2 for a short			
	course only (3–7 days)			
nfection	1 st Line Antibiotics	Penicillin allergy:	Penicillin allergy:	Duration
		delayed onset non-severe	immediate or severe	
		reaction	delayed reaction	
		See penicillin hypersensitivity		
Puolononhritio or	Diporocillin/tozoboctom 11/			Minimum duration of tractme
Pyelonephritis or	Piperacillin/tazobactam IV	hours	Ciprofloxacin IV 400mg (or PO	
Complicated UTI	4.5g every 8 hours	nours	500mg) every 12 hours	is 10 days.
	+	Add Gentamicin IV IF Sepsis .	(consider oral route from	Longer duration may be
Non-pregnancy		Give one dose per GAPP App	outset).	necessary in males-discuss
	Gentamicin IV one dose per	calculator. See footnote* re	See Fluoroquinolone warning	
	GAPP App calculator. See	further doses and monitoring.	loce ridoroquinoione warning	Diseases
	footnote* re further doses and	and monitoring.	ľ	Diseases
	monitoring.		-	7 days if therapy is with
	-			Ciprofloxacin
	If patient is septic and/or		Add Gentamicin IV IF Sepsis.	
	acutely unwell discuss with		Give one dose per GAPP App	Consider switch to oral
	Microbiology or Infectious		calculator. See footnote* re	therapy if good early clinical
	Diseases		further doses and monitoring.	response to IV therapy.
Acute Pyelonephritis in	For full detailed guidance see	Women's and Children's (WAC) Group Management of	Duration as per QPulse
pregnancy	Urinary Tract Infections (UTI's)	Tract Infections (UTI's) in Pregnancy (QPulse CLN-OGCP-227)		CLN-OGCP-227
	CefTRIAXone IV 2g every 24	Gentamicin IV every 24 hours,		
	hours	(use booking weight).		
	Add Gentamicin IV IF Sepsis.	See footnote* re review and m		
	Give one dose per GAPP App			
	calculator (use booking			
	weight). See footnote* re	+		
	further decay and monitoring	Filher (den en die nen C. D.		
	See footnote^ re use in	Either (depending on Group B		
	pregnancy.	result if available)		
	prognanoy.	Vancomycin IV infusion, dose		
		Vancomycin IV infusion, dose per GAPP App calculator (use booking weight). See footnote* re review and monitoring.		
		booking weight). See loothole he leview and monitoring.		
		OR		
		Clindamycin IV 900mg every 8 hours		
		Give first doses, THEN IMMEDIATELY discuss with		
		Microbiology or Infectious Dise		
		therapy.		
				1

Registrar recommended. Up to three once daily doses of Gentamicin may be indicated for pyelonephritis. For advice on monitoring see <u>Gentamicin</u> & <u>Vancomycin</u> Dosing & Monitoring section.

Galway: GAPP - Galway Antimicrobial Prescribing Policy / Guidelines (GAPP) - Last Updated: March 28, 2025, 10:32 a.m., printed: April 5, 2025, 6:55 p.m.

page 1 of 2

Refs:

- 1. IDSA/ESCMID Guidelines for the treatment of acute uncomplicated cystitis and pyelonephritis in women. <u>Clin Infect Dis 2011;52:e103-e120</u>
- 2. <u>SIGN160</u> : Management of suspected bacterial lower urinary tract infection in adult women. Sept 2020
- 3. Women's and Children's (WAC) Group Management of Urinary Tract Infections (UTI's) in Pregnancy (QPulse CLN-OGCP-227)
- 4. NICE guidelines <u>NG 109</u>: Urinary tract infection (lower): antimicrobial prescribing. Published 31 October 2018
- 5. NICE guidelines NG 111 : Pyelonephritis (acute): antimicrobial prescribing. Published 31 October 2018
- 6. Antimicrobial for 7 or 14 Days for febrile Urinary Tract Infection in Men: a multicentre noninferiority double-blind, placebo-controlled, randomized clinical trial. Clin Infect Dis 2023:76 2154-2162

Galway: GAPP - Galway Antimicrobial Prescribing Policy / Guidelines (GAPP) - Last Updated: March 28, 2025, 10:32 a.m., printed: April 5, 2025, 6:55 p.m.

page 2 of 2