## Summary tables: Infections in Primary Care

URINARY TRACT INFECTIONS – refer to PHE UTI guidance for diagnosis information Note: As antimicrobial resistance and Escherichia coli bacteraemia is increasing, use nitrofurantoin first line, 168-				
always safet	ty net, and consider risks for resistance.	1D		
UTI in adults	<b>Treat women</b> with severe/or $\geq 3$ symptoms. <sup>1,2A, 3C</sup>	<i>1st line:</i> nitrofurantoin <sup>8,9B+</sup>	100mg m/r BD <sup>11C</sup>	3 days <sup>30A+,32B-</sup>
(no fever or	All patients first line antibiotic:	GFR<45mls/min:		),33A-
flank pain)	nitrofurantoin if CrCL over 45ml/min; if GFR30-45,	pivmecillinam <sup>13,21,22,29,30A</sup>	400mg stat then 200mg TDS <sup>12A</sup>	+
PHE URINE	only use if resistance and no alternative. <sup>24,25B</sup> -			3 days <sup>2,12,31A-,</sup> 33A-,34A-,35B+,
	<b>Women:</b> mild/or $\leq 2$ symptoms and urine not cloudy	If low risk of resistance:		17
SIGN	(97% negative predictive value). If urine cloudy, use	trimethoprim 7B+	200mg BD <sup>29A</sup>	36A+,37B+
	dipstick to guide treatment. Nitrite plus blood or	If organism susceptible: amoxicillin 14B+		
CKS women	leucocytes has 92% positive predictive value; nitrite,		500mg TDS	√ Men 7 days
	leucocytes, blood all negative 76% NPV. 4A-	Risk factors for increased re	sistance include: care home resi	dent, recurrent UTI
CKS men	Women (mild symptoms): Consider back-up/		ns), hospitalisation for >7d in the	
	delayed antibiotic. <sup>20A</sup>	unresolving urinary symptoms	, recent travel to country with in	creased resistance,
RCGP UTI	Men: Consider prostatitis and send pre-treatment	previous UTI resistant to trime	thoprim, cephalosporins, or quir	nolones. 17B-,19
clinical	MSU <sup>1,5C</sup> OR if symptoms mild/non-specific, use	If increased resistance risk, send culture for susceptibility testing & give safety net		
module	negative dipstick to exclude UTI.6C	advice. If GFR<45 ml/min or elderly, consider pivmecillinam 400mg TDS <sup>2,13,21,3</sup> or		
SAPG UTI	If treatment failure: always perform culture. 1B	fosfomycin (3g stat in women <sup>15,16B,17A</sup> plus 2 <sup>nd</sup> 3g dose in men 3 days later). <sup>18</sup>		
People > 65 years: do not treat asymptomatic bacteriuria; it is common but is not associated with increased morbidity. 1B+				
Catheter in situ: antibiotics will not eradicate asymptomatic bacteriuria; only treat if systemically unwell or pyelonephritis likely. <sup>2B+</sup>				
Do not use prophylactic antibiotics for catheter changes unless history of catheter-change-associated UTI or trauma (NICE, SIGN). <sup>3B</sup>				
Acute	Send MSU for culture and start antibiotics. 10	Ciprofloxacin <sup>1C</sup>	500mg BD 28 d	lays 1C
prostatitis	4-wk course may prevent chronic prostatitis. 1C	or ofloxacin <sup>1C</sup>	200mg BD 28 d	lays <sup>1C</sup>
BASHH, CKS	Quinolones achieve higher prostate levels. <sup>2</sup>	2 <sup>nd</sup> line: trimethoprim <sup>1C</sup>		lays <sup>1C</sup>
UTI in	Send MSU for culture and start antibiotics. 1A	First line: nitrofurantoin	100mg m/r BD	
pregnancy	Short-term use of nitrofurantoin in pregnancy is	IF susceptible, amoxicillin	500mg TDS	60
PHE URINE	unlikely to cause problems to the foetus. 2C	Second line: trimethoprim	200mg BD (off-label)	All for 7 days <sup>6C</sup>
CKS	Avoid trimethoprim if low folate status <sup>3</sup> or on folate	Give folate if 1st trimester		
UKtis	antagonist (eg antiepileptic or proguanil). <sup>2</sup>	Third line: cefalexin <sup>4C, 5B-</sup>	500mg BD J	
UTI in	Child <3 mths: refer urgently for assessment. 1C	Lower UTI: trimethoprim 1A @	or nitrofurantoin \(^{\text{\tin}\ext{\tin}\tinte\ta}\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\texi}\text{\text{\text{\text{\texi}\text{\texi}\text{\texi}\text{\texi{\texi{\texi}\tint{\tex{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi}\tin	
Children	Child $\geq 3$ mths: use positive nitrite to guide.	IF susceptible, amoxicillin 1A	، ع ا	Lower UTI 3 days <sup>1A+</sup>
PHE URINE	Start antibiotics: 1A+ also send pre-treatment MSU.	Second line: cefalexin <sup>1C</sup>	اخ	
CKS	<b>Imaging:</b> only refer if child <6 months, or recurrent	Upper UTI: co-amoxiclav <sup>1A</sup>	} '	<i>Upper UTI 7-</i> 10 days <sup>1A+</sup>
NICE	or atypical UTI. <sup>IC</sup> If admission not needed, send MSU for culture &	Second line: cefixime <sup>2A</sup> Co-amoxiclav <sup>4C</sup>	500/125mg TDS	7 days <sup>5A+</sup>
Acute	susceptibility testing, and start antibiotics. <sup>1C</sup>	or	300/123Hig 1DS	/ uays
pyelonephritis	If no response within 24 hours, seek advice. 2C	or ciprofloxacin <sup>3A-</sup>	500mg BD	7 days <sup>5A+</sup>
CKS	If ESBL risk and with microbiology advice	If lab report shows sensitive:	Journa PD	/ uays
CKS	consider IV antibiotic via outpatients (OPAT). 6C	trimethoprim <sup>3A</sup>	200mg BD	14 days <sup>5A</sup>
Recurrent	To reduce recurrence, advise simple measures, 6 incl.	First line: nitrofurantoin	100	1 + uays
UTI in non-	hydration, analgesia, then standby <sup>3B+</sup> or post-coital	Second line: ciprofloxacin	At night OK	For 6 months; then
pregnant	antibiotics, then prophylaxis. 1,2B+ Cranberry products	If recent culture sensitive:	> post-collat stat	review recurrence
women: 2 in	work for some women, 4A+ but good evidence is	trimethoprim	$200$ mg $\int (off-label)^{2B+,3C}$	rate and need
6mths or $\geq 3$	lacking Methenamine can be used as prophylaxis in			
UTIs/year	patients without renal tract abnormalities. 8A-,9A+,10A+	Methenamine hippurate <sup>9A+</sup>	1g BD <sup>11D</sup>	6 months <sup>10A+</sup>
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