For use by healthcare professionals only

Clinical Assessment/Management tool for Children



History	Examination: check for -	Consider Complications and Alternative diagnoses	Red Flag
	 Abdominal tenderness Loin tenderness (pyelonephritis) Abdominal mass Palpable bladder - urinary retention Exclude balanitis or vulvovaginitis 	 Sepsis +\- meningitis (more common in infant under 3 months of age) Gastroenteritis Constipation Appendicitis GI obstruction 	Child < Unwell Known Conger Previou Vesico Abdom Poor un

Obtaining a Urine

In children over 3 months of age who appear well, if unable to obtain urine sample at time of initial review, send home with advice to return with urine sample within 6 hours

Where suspected UTI in infant under 3 months of age, refer to paediatrics same day (do not delay referral if unable to obtain urine sample)

Urine Dipstick

• Children less than 3 months where there are concerns about UTI should be referred to paediatrics

	3 months to 3 years	>3 years
Do not start an antibiotic treatment Both leukocyte esterase and nitrite are negative	Do not start antibiotic treatment Do not send urine for culture unless • does not correlate with clinical symptoms • recurrent infection • failure to respond to treatment	Do not send urine for culture Do not start antibiotic treatme Consider alternative diagnosis
Leukocyte esterase or nitrite, or both are positive	Send a urine sample for culture Start antibiotic treatment	Send urine sample for culture Start antibiotic treatment
If leukocyte esterase is positive and nitrite is negative	Send a urine sample for culture Start antibiotic treatment	Send urine sample for culture Only start antibiotic treatment Consider alternative diagnosis
If leukocyte esterase is negative and nitrite is positive	Send a urine sample for culture Start antibiotic treatment	Ensure sample was tested prop Send urine sample to the lab for Start antibiotic treatment
Green Features	Amber Features	
 Appears well Age > 3 months See also febrile child 	 Haemodynamically stable Signs of pyelonephritis (vomiting, fever, loin pain, rigors) Age >3 months 	 Age < 3 months Unwell/septic appearance Underlying renal disease Not able to tolerate antibiotic
Management	Management	
 Send urine sample for culture as per guidelines above Start antibiotic treatment: Trimethoprim as per BNFC Cefalexin as per BNFC Local Policy or as culture results determine 	 Send urine sample for culture Start antibiotic treatment for UTI: Trimethoprim as per BNFC Cefalexin as per BNFC Local Policy or as culture results determine If pyelonephritis likely and systemically well treat with 	 Send urine sample for culture Send to local paediatric depa
 Simple advice Analgesia Plenty of fluids Treat any constipation see constipation page Agree with parents follow up for results 	 Co-amoxiclav as per BNFC Cefalexin as per BNFC Local Policy or as culture results determine 7 days treatment see <u>Antimicrobial-Paediatric-Summary-UKPAS.pdf (uk-pas.co.uk)</u> Simple advice Analgesia Plenty of fluids 	For an overview of in please refer to the <u>Ir</u> following a <u>UTI path</u>

This guidance has been reviewed and adapted by healthcare professionals across Humber and North Yorkshire with consent from the Hampshire development groups



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Red Features

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Investigation and Management hway