URINARY TRACT INFECTIONS Complicated UTI

See also specific patient groups and conditions below

Complicated UTIs are more likely in the following situations:

- Recurrent infection
- Treatment failures
- Previous urogenital surgery
- Urinary tract abnormalities
- Urinary or suprapubic catheters
- o Symptoms of renal infection, e.g., fever or flank pain (see Acute Pyelonephritis in Adults)
- o Infants and neonates (see UTI in Children)
- Pregnancy (see <u>UTI in Pregnancy</u>)

Organisms

- Escherichia coli
- Proteus sp.
- Klebsiella sp.
- Pseudomonas aeruginosa (if recurrent infections)

Treatment

- Always send a pre-treatment MSU sample and review empirical treatment with the result. <u>(See Diagnosis of UTI in Adults Quick Reference)</u>.
- A positive catheter specimen urine does not necessarily mean there is a UTI present, a clinical assessment should be made, and antibiotics are only given if there are signs and symptoms of a UTI.
- If treating a catheter-associated UTI, the catheter should be changed (or removed if possible) as soon as possible after starting antibiotics, unless the catheter has been changed in the previous 7 days (<u>NICE NG113</u>).
- Treatment for a recurrent infection is a longer 7-day course of antibiotics (see lower/UTI or pyelonephritis guidance).

Resources

 The <u>TARGET antibiotics toolkit hub</u> includes leaflets to discuss with patients, diagnostic tools, and other UTI resources.