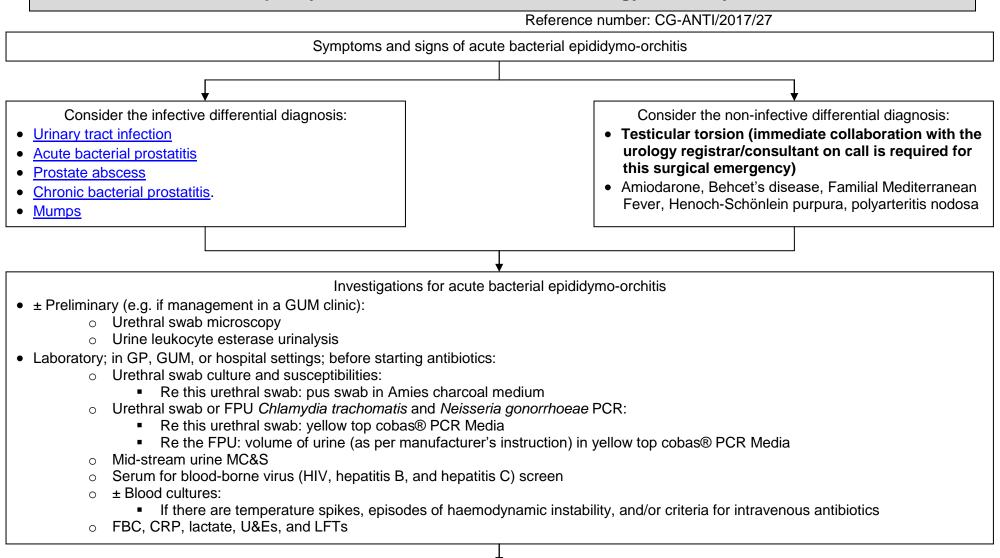
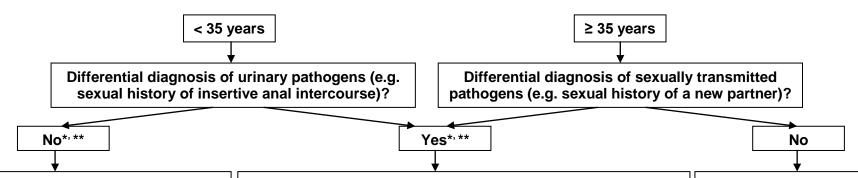


Acute Bacterial Epididymo-Orchitis in Adults - Microbiology Summary Clinical Guideline



Treatments for acute bacterial epididymo-orchitis

Reference number: CG-ANTI/2017/27



- First line, if no penicillin allergy or <u>if non-immediate without systemic involvement</u> <u>penicillin allergy</u> or if nature of penicillin allergy unknown:
 - Ceftriaxone 1 g intramuscularly or intravenously single dose; and
 - Doxycycline 100 mg per oral 12 hourly for 10 days (or, if doxycycline is contraindicated, azithromycin 2 g per oral single dose)
- Second line, <u>if immediate rapidly evolving or non-immediate with systemic involvement penicillin allergy:</u>
 - Ciprofloxacin 500 mg per oral 12 hourly for 10 days; and
 - Doxycycline 100 mg per oral 12 hourly for 10 days

- First line, if no penicillin allergy or <u>if non-immediate without systemic involvement penicillin allergy</u> or if nature of penicillin allergy unknown:
 - Ceftriaxone 1 g intramuscularly or intravenously single dose; and
 - o Ciprofloxacin 500 mg per oral 12 hourly for 10 days; and
 - Doxycycline 100 mg per oral 12 hourly for 10 days (or, if doxycycline is contraindicated, azithromycin 2 g per oral single dose)
- Second line, <u>if immediate rapidly evolving or non-immediate with</u> <u>systemic involvement penicillin allergy:</u>
 - o Ciprofloxacin 500 mg per oral 12 hourly for 10 days; and
 - $\circ\quad$ Doxycycline 100 mg per oral 12 hourly for 10 days
- Third line, if first and second line options are contraindicated:
 - o Co-amoxiclav 625 mg per oral 8 hourly for 10 days; and
 - Doxycycline 100 mg per oral 12 hourly for 10 days (or, if doxycycline is contraindicated, azithromycin 2 g per oral single dose)

- First line:
- 500 mg per oral 12 hourly for 10 days
- Second line, if <u>ciprofloxacin</u> is contraindicated:
 - Co-amoxiclav625 mg per oral8 hourly for 10days
- Third line, if <u>ciprofloxacin</u> and co-amoxiclav are contraindicated:
 - Co-trimoxazole960 mg per oral12 hourly for 10days

NB1 If septic

- First line, if no penicillin allergy or <u>if non-immediate without systemic involvement penicillin allergy</u> or if nature of penicillin allergy unknown: meropenem 1 g intravenously 8 hourly, **and** doxycycline 100 mg per oral 12 hourly (or, if doxycycline is contraindicated, azithromycin 2 g per oral single dose)
- Second line, if immediate rapidly evolving or non-immediate with systemic involvement penicillin allergy: ciprofloxacin 400 mg intravenously 8 hourly, and doxycycline 100 mg per oral 12 hourly

*NB2 Please refer the patient to a sexual health clinic (0800 328 3383; https://www.yoursexualhealthmatters.org.uk/), to enable screening for other sexually transmitted infections and also to facilitate tracing of sexual contacts

** NB3 Please recommend the patient abstain from sexual intercourse, whilst on empiric antibiotics and whilst awaiting a sexual health appointment, to reduce the risk of on-going transmission

Reference number: CG-ANTI/2017/27

References

Bennett, J. E., Dolin, R., and Blaser, M. J. 2015. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases, 8th Edition. Elsevier.

BASHH. 2019. United Kingdom BASHH national guideline for the management of epididymo-orchitis, 2019. Available at: <u>eo-2019.pdf (bashhguidelines.org)</u> (accessed September 2021).

Eyre, R. C. 2020. Acute scrotal pain in adults. Available at:

<u>Acute scrotal pain in adults - UpToDate</u> (accessed September 2021).

Sanford Guide Antimicrobial Therapy. 2021. Available at: https://www.sanfordguide.com/products/digital-subscriptions/ (accessed November 2021).

Document Control

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|--------------------------------|---|
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