



IUSTI–E Scientific Advisory Council

Topic Report 2016 Urethritis

Rapporteurs: Prof. Harald Moi, Dr. Paddy Horner, Prof. Lars Falk

Advances in the field 2015-6

The most important observation is the increase in macrolide resistant *Mycoplasma genitalium* and thus the need for laboratory diagnostic of *M. genitalium*

5 Most Important Recent Publications

1. Lau A, Bradshaw CS, Lewis D, Fairley CK, Chen MY, Kong FY, Hocking JS: The efficacy of azithromycin for the treatment of genital *Mycoplasma genitalium*: a systematic review and meta-analysis. *Clin Infect Dis*. 2015 Nov 1;61(9):1389-99.

- *Macrolide MG AMR increasing world wide*

2. Khosropour CM, Manhart LE, Gillespie CW, Lowens MS, Golden MR, Jensen NL, Kenny GE, Totten PA: Efficacy of standard therapies against *Ureaplasma* species and persistence among men with non-gonococcal urethritis enrolled in a randomised controlled trial. *Sex Transm Infect*. 2015 Aug;91(5):308-13

- *Persistence of Ureaplasma not associated with symptomatic disease*

3. Frolund M, Lidbrink P, Wikstrom A, Cowan S, Ahrens P, Skov Jensen J: Urethritis-associated Pathogens in Urine from Men with Non-gonococcal Urethritis: A Case-control Study. [Acta Derm Venereol](#). 2015 Dec 11. doi: 10.2340/00015555-2314.

- *UU load an important determinant of whether commensal or pathogenic. Confirms previous work that in many men who are UU positive with urethritis UU is not pathogenic i.e. high carriage rate in controls suggests detection of load is important in determining pathogenicity*

4. Unemo M, Endre KM, Moi H: Five-day Azithromycin Treatment Regimen for *Mycoplasma genitalium* Infection Also Effectively Eradicates *Chlamydia trachomatis*. *Acta Derm Venereol* 2015, 95(6):730-732.

- *1st evidence extended Azithromycin regimen works for CT infection and may be better than 1g single dose*

5. Geisler WM, Uniyal A, Lee JY, et al. Azithromycin versus Doxycycline for Urogenital *Chlamydia trachomatis* Infection. *N Engl J Med*. 2015;373(26):2512-21.

- *Evidence for a 100% efficacy of Doxycycline and 97% of single dose Azithromycin for chlamydia infection*

Potential Speakers

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Questions to be answered by future Research

Randomized studies comparing single dose and different extended dosages of Azithromycin for M. genitalium

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Citation: Moi H, Horner P, Falks L IUSTI Sci Topic Reports 2016 Urethritis
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