

# MYCOPLASMA GENITALIUM

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## THE BACTERIUM

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The extremely little genome of *Mycoplasma genitalium* (< 600 Kbp) and extremely biosynthetic reduced abilities explain the parasitic life of these myco-organisms.

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## CLINICAL MANIFESTATION

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The *Mycoplasma genitalium* was isolated for the first time in 1980 from two men's urethral secret with nongonococcal urethritis (NGU). Some cases of complications, such as arthritis and prostatitis are written in literature. The presence of the *M. genitalium* in women's inferior genital apparatus is an indication for (i) the sexual transmission to men and (ii) the possible risk for increasing infections in women. In a London STD (sexually transmitted disease) clinic, it was contemporary executed to 57 women a cervical, vaginal and urethral smear and the *M. genitalium* was respectively rescounted in 17.5%, 16% and 24%. The question if *M. genitalium* is involved in PID (pelvic inflammatory disease) is still in discussion.

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## EPIDEMIOLOGY

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*Mycoplasma genitalium* was isolated for the first time in 1980 from two men's urethral secret with nongonococcal urethritis (NGU). An indication for *M. genitalium*'s involvement in chronic NGU is, according to different studie, the highlight of the bacterium in the 23-25% of patients respect to the 6-9% of the checked population.

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## TEST

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The highlight through culture is extremely difficult. Serological methods are not specific, because the bacterium produces crossed reactions with *Microplasma pneumonia*. The highlight of *M. genitalium* by means of PCR is a very sensible (10 bacterium) and specific (quite the 100%) method

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## SAMPLE TAKING

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Uro-genital's smear, ejaculated, biopsy. The PCR for *M. genitalium* can be done from performed sample taking for the highlight of infective agents of STD (*C. trachomatis*, *N. gonorrhoeae*, etc.).

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## EXECUTION

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Daily.

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## COST

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According to the federal charge rate of the analyses for *Mychoplasma* spp (urogenital) and *UReaplasma* spp (urogenital) (3455.00) TP 230.

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Laboratorio  
di diagnostica  
molecolare

Further information or bibliographic references can be asked to the laboratory.