Prostatic massage method versus first-void urine samples to isolate Mycoplasma hominis and Ureaplasma urealyticum from urinary tract infection

Abstract

Background and objectives: Ureaplasma urealyticum is one of the most important causes of Nongonococcal urethritis (NGU) and non-specific urethritis (NSU) in men. Also Mycoplasma hominis has a role in causing NGU and NSU. The aim of this study was the detection of Mycoplasma hominis & Ureaplasma urealyticum in men suffering from NGU and NSU by prostatic massage method and first-void urine samples.

Material and Methods: Urethral secretion samples, taken after prostatic massage and first-void urine, of 75 patients referred to department of bacteriology of Tehran University of Medical Sciences were examined for ureaplasma and mycoplasma by culture method in 2004-2005.

Results: In prostatic samples, 19 and 11 samples are positive for ureaplasma and Mycoplasma, retrospectively. In first-void urine samples, 17 and 9 samples are positive for ureaplasma and Mycoplasma, retrospectively.

Conclusion: The results show that if it is impossible to obtain urethral sample via prostatic massage, we can use first-void urine instead.

Key words: Mycoplasma hominis, Ureaplasma urealyticum, Nongonococcal urethritis, Nonspecific urethritis, prostatic massage, first voided urine

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