

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

Ghazisaidi, K. (Ph.D)

Professor of Microbiology,
Golestan University of Medical
Sciences

Fateminasab, F. (Ph.D)

Associate Professor of
Immunology, Iran University
of Medical Sciences

Vatani, Sh. (MSc)

Microbiology, Pathbiology
Department, Tehran University
of Medical Sciences

Azimi, Y. (MD)

Pharmacology, Pathbiology
Department, Tehran University
of Medical Sciences

Bakhshandeh Nosrat, S. (MD)

Assistant Professor of Gynecology,
Golestan University of Medical
Sciences

Mohamadi, M. (MSc)

Microbiology, Pathbiology
Department, Tehran University
of Medical Sciences

Corresponding Author: Ghazisaidi K

E.mail: ghazisaidi@yahoo.com

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