

عنوان مقاله:

Prevalence of Mycoplasma Infection in the Semen Sample of Infertile Men Referring to Royan Institute by Culture and Molecular Methods

محل انتشار:

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خلاصه مقاله:

Genital Mycoplasma infections can have a negative effect on men's reproductive health and lead to infertility. The aim of this study was to investigate the presence of Mycoplasma hominis and Ureaplasma urealyticum in semen samples of infertile men using culture and molecular techniques and comparison the sensitivity and specificity of these methods. This descriptive-analytic and cross-sectional study carried out on infertile men referred to the Royan Institute of Infertility Treatment Center. The Rapid Test was done using the Mycofast Rapid kit (ELitech, France). DNA extraction from semen was achieved, and then PCR test was performed by the IFG kit (Iranian technology gene). PCR products were transferred to agarose gel ۱.۵% and electrophoresed. The bands created were transferred to the photographic device and the result was observed. In this study, ۱۴۷ samples of leukocytospermia were detected in M.hominis and U.urealyticum. Thirty seven samples (۲۵.۳%) were positive for U.urealyticum positive in the culture method, and positive samples were positive for M. hominis. Of ۱۴۷ samples, ۲۸ samples (۱۹ Percent) was positive for U.urealyticum and ۱۳ samples (۸.۸%) were positive for M.hominis. Considering that Iranian kits were used for PCR in the present study and there was no significant difference in M.hominis, it is believed that the Iranian PCR kit has a problem or to prove this French method and replace this method with rapid molecular culture with the method Hard and costly PCRs need more examples to prove this technique

کلمات کلیدی:

Infertility, M. hominis, U.urealyticum, Mycofast rapid test, Iran

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