

عنوان مقاله:

Investigating the Prevalence of Mycoplasma genitalium and Mycoplasma hominis Among Women with Vaginal Infection in Zabol in 2017

محل انتشار:

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خلاصه مقاله:

Background & Objective: Mycoplasma hominis, which belongs to the Mycoplasmataceae family, is an opportunistic pathogen of the genitourinary system. Mycoplasma genitalium, causing urethritis-endometritis-cervicitis, plays a role in prostatitis. This study aimed to investigate the prevalence of M. genitalium and M. hominis among women with vaginal infection in Zabol, Iran. **Materials & Methods:** In this cross-sectional study, 69 endocervical samples were taken from women aged 18 to 60 years who suffered from vaginal infections. DNAs extracted from the samples were applied as a template for 16SrDNA coding gene amplification using specific primers in two separate PCR reactions. **Results:** The highest infection rate was in the age group of 25 to 35 years, with a prevalence of 75%. The highest rate of negative PCR results (54%) was in the age group of 25 to 35 years, followed by the age groups of 36 to 45 years (28%), 18 to 24 years (4%), and older than 45 years (3%). The lowest rate was in the age group younger than 18 years (2%). Considering their levels of education, the highest rate of infection was seen in the subjects with bachelor's degrees. The rate of Mycoplasma genitalium infection was equal in the subjects who had and did not have a miscarriage (50%). Only 5.7% of the subjects with negative PCR samples had a miscarriage and the rest (94.3%) did

not experience a miscarriage. Conclusion: Overall, the present study showed that the rate of Mycoplasma vaginal infections was very low Also there is no significance deference for infection rate between pregnant women with or .without miscarriage history. However, those with Mycoplasma-negative PCR samples had a low miscarriage rate

کلمات کلیدی:

Mycoplasma genitalium, Mycoplasma hominis, Vaginitis

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