

عنوان مقاله:

Seroparasitological Investigation of Trichomoniasis in Women Referred to Healthcare Centers of Rasht City

محل انتشار:

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تعداد صفحات اصل مقاله: 7

نویسندگان:

Roya Ramezani - Department of Microbiology, Basic Science college, Islamic Azad University, Lahijan branch, Lahijan, Iran

Mahdi Assmar - Department of Microbiology, Basic Science college, Islamic Azad University, Lahijan branch, Lahijan, Iran

Zarrintaj Valadkhani - Department of Parasitology, Pasteur Institute of Iran, Tehran, Iran

خلاصه مقاله:

Background and Aims: Trichomoniasis is one of the most common sexually transmitted diseases caused by the parasite *Trichomonas vaginalis*. The most important point about this infection is diagnosis and treatment of the patients and their sexual partners, in order to prevent infection spread. In the present study direct smear, staining, culture and indirect immunofluorescence antibody methods were used for the diagnosis of this organism. Materials and Methods: This study was conducted on ۱۲۰ women who were referred to healthcare centers of Rasht city during April to September ۲۰۱۵. The histories of the patients were collected as questionnaires. Biopsies of the cervical and posterior vaginal secretions were collected for direct smear and the slides were prepared for H & E staining. The samples were cultured in TYI-S-۳۳ medium as well as being tested for the presence of antibody through indirect immunofluorescence method. Results and Conclusions: Out of the ۱۲۰ samples that were checked, the results of different methods showed that among the diagnostic methods, except for indirect immunofluorescence, only one infected specimen of *T. vaginalis* was positive in culture (۰.۸۳%). By using indirect immunofluorescence antibody test, the number of patients detected as infected with *T. vaginalis* were increased to seven (۵.۸۳%). The sexually transmitted diseases represent similar symptoms and signs and it is therefore better that gynecologists use the laboratory diagnostic results in order to prescribe suitable drugs. Diagnosis using culture medium is a lengthy process whilst most of the other methods used in this study have a low sensitivity and specificity. It is therefore recommended to use immunofluorescence antibody test for the diagnosis of *T. vaginalis* infections since it has a high sensitivity and specificity and is also relatively easy to use.

کلمات کلیدی:

واژینالیس، تشخیص، ایمونوفلورسانس غیرمستقیم، *Trichomonas vaginalis*، تریکوموناس

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