

## The prevalence of *Trichomonas vaginalis* in Westley Good Hospital, Ilesha, Nigeria

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The prevalence of *Trichomonas vaginalis* among women in Ilesha over a period of three months were studied. 310 samples from High vaginal, Endocervical and Urethral from female patients were analyzed using Gram staining and direct methods. Out of three hundred and ten samples collected from high vaginal, endocervical and urethral of the patients, a total of 25 (8.1%) were positive for *Trichomonas vaginalis*, while 285 (91.9%) were negative. Out the twenty five positive samples, high vaginal swab had the highest prevalence of 13.0 (4.2%), followed by endocervical swab with 12.0 (3.9%) and urethral swab had none 0.0 (0.00%). Age group between 16-25 years had the highest prevalence of 15.0 (4.48%), followed by age group between 26-35 years of 8.0 (2.6%) and the least is age group between 6-15 years of 8.0 (0.65%). Uneducated had the highest prevalence of *Trichomonas vaginalis* infection with 15 (4.84%) while the educated had 10.0 (3.23%). The prevalence of trichomoniasis in the study is significantly high, but there is no significant difference in overall distribution of the parasite in the both HVS and ECS, thus either of the samples can be used for investigating *Trichomonas vaginalis* infection in patients with the symptoms. Improve hygiene, none relaxation of social taboos, decent sexual habit, use of protective device such as condom and diaphragm would promote safe and discipline sexual habit.

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