



Title: Retrospective study of the evaluation of screening activities for precancerous lesions of the cervix in eastern Algeria (Oum El Bouaghi)

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Abstract:

Cervical cancer comes in second place among cancers that target the female population in Algeria with an estimated incidence of 15.6 per 105,000 women per year, it is considered as a real public health problem. It is one of the main causes of morbidity and mortality. Our work consists on a retrospective study of 148 cervico-vaginal smears (CVS) or pap smears, carried out in the laboratory of the Slimane Amirat maternity in Oum El Bouaghi, during a period of 3 months between October 2020 and December 2020. The objective of our study is to assess the impact of screening activities for this cancer, and to show the interest of CVS in the screening of cervical lesions. Out of the overall sample, a rate of 70% indicates women who presented for screening for the first time, at an advanced age, where more than 50% did so before age 45, which represents a very high rate. compared to those who made a control (30%), The quality of the smears were satisfactory at 90%, 11% of the FCVs performed were normal, The inflammatory lesions represent 89% of the mild reaction changes and are mainly non-specific inflammations. Concerning epithelial cell abnormalities: atypical squamous cells of undetermined significance (ASC-US) represent 27%, and atypical glandular cells of undetermined significance (ASC-H) 49%. Low grade intraepithelial lesions (LIEBG) represent 5%, while high grade intraepithelial lesions (LIEHG) 19.5%, and the age group of 50 to 54 years which represents a percentage of 32%, whose smear is ASC-US. In pathological smears, it is recommended to perform a smear after 6 months in 75% of cases. The rate of pathological smears found in this study confirms the value of continuing to screen for cervical cancer at its initial stage using FCV examination. This problem may be solved in the future by creating a center for monitoring pathological FCVs in order to have a successful screening program.

Keywords : Screening, precancerous lesion, cervical cancer, Pap smear

Biography:

I'am a dedicated and passionate Ph.D. student in the field of biology, specializing in Biology and physiology animal . With a strong academic background and a genuine curiosity for the natural world, I'am driven to contribute to scientific knowledge and make a positive impact on society through their research.

Currently pursuing a Ph.D. in Biology at Laarbi Ben M'hidi University of Oum El Bouaghi Algeria , I has already made significant strides in their academic journey. They hold a Master's degree in Biology and Physiology of Reproduction, where they conducted research on Cervical Cancer. This experience solidified their commitment to further explore and unravel the complexities of the biological world.