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Screening For Cervical Cancer In Bejaia, Algeria: Involvement Of Human Papillomavirus (Hpv) And Human Herpes Virus (Hhv)

Abstract:

Background:

Cervical cancer (CC) is the fourth most common malignant neoplasia in women worldwide. Persistent human papillomavirus (HPV) infection is the main factor, but not sufficient for the development of this disease(1). In addition, the role of the human herpes virus (HHV) also appears to be a subject of debate. Since the main route of transmission of HPV and HHV is sexual, it is fair to assume that co-infection of HPV and HHV is a decisive factor in the development of cervical cancer(2).

Material & Methods:

Cervical cancer screening campaigns were carried out in different regions of Bejaia province, between 2019 and 2021. Cervical smear samples were collected and analyzed to verify the presence of infectious agents and cell abnormalities and lesions.

Results:

During this period, 1774 women were screened. 27 women were diagnosed with a cell abnormality (ASC-US, ASC-H, LSIL, HSIL, AGC). HHV was identified in 16 women. However, HPV was identified only in 10 women.

Conclusion:

Statistics and data on the presence and even the involvement of HPV and HHV are lacking in Algeria, that is why it is necessary to remedy to the situation.

Key words:

Cervical cancer ; women ; human papillomavirus (HPV) ; human herpes virus (HHV), Bejaia.

BIOGRAPHY:

Fazia is a PhD student in microbiology since 2020 at the university of Bejaia, Algeria, her work focuses on the implication of the microbiome in various cancers, especially breast cancer. She is fascinated by research, which is why she decided to make it her profession. She is a **dynamic person**, who is not afraid to work to achieve objectives, and teamwork is very important to her. Her numerous formations in project management, organization and **plannification** make her a very involved person who always follows through with her work. She is highly skilled in planning and conducting complex research projects, Her organization and attentiveness help her to work with a variety of equipment and materials. **SCIENTIFIC OBJECTIVE** are, The involvement of the microbiome in various diseases, Microbial dysbiosis, Microbiome and breast, ovarian, colorectal and, cervical cancer, **Microbiome** and cancer, HIV and HHV in cervical cancer.

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