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## Studies on the prevalence of human papillomavirus (HPV) among HIV seropositive women

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Human papilloma virus poses an important public health threats amongst HIV patients. Cervical cancer is caused by persistent infection of the lining of the cervix with some kinds of human papilloma viruses (HPV). These HPV infections are distantly related to the viruses that cause warts on the skin. Cervical infections that do not go may cause disease that can turn into cancer after many years. This work determines the prevalence of human papilloma virus among HIV positive women. Parameters studied include age distribution of HPV infection and relationship to cancer of the cervix among Nigerian women. Two hundred (200) pap smears were collected. 100 samples were collected from HIV positive women as the test subjects while 100 samples were collected from HIV negative women as control. They were examined for the presence of human papilloma virus (HPV) and premalignant lesions by papanicolous staining method. Questionnaires were administered, which elicited information on their bio data, parity, history of sexual transmitted disease (STD) and other related practices that predispose one to the disease. The prevalence rate of HPV among HIV positive women was 9.0% and 6.0% in the control. The highest age specific prevalence rate was 3.0% in the 30-39 age group with HIV positive women and 1.0% in the 20-29 age group among the HIV negative women. Inflammation and normal cells showed HPV changes in 1.0% of the subjects among HIV positive women. This result also showed that the screening of HPV should not be ignored in the management of HIV positive patients; this is to avoid further complications among these individuals. The implications of the results obtained are discussed

### Biography

Festus C Onwuliri has completed his PhD from University of Jos. He has previously had his B.Sc., M.Sc and AIML from the University of Nigeria Nsukka, University of Jos and Medical Laboratory College Vom, Nigeria respectively. He was promoted to the rank of Professor in 2008. He has acquired a wide range of administrative experience. He was the Head of Department of Plant Science and Technology, University of Jos and is the Director of Victory medical laboratory service, Jos Nigeria. He has published about 65 papers in both national and international Journals. He has supervised 66 Postgraduate students, both at PhD and MSc levels in Microbiology and Biotechnology. He has also supervised over 160 Undergraduate students. He held several other positions and served in several committees both ad-hoc and statutory within the University of Jos and other Universities in Nigeria. He has several memberships including memberships Association of Medical Laboratory Scientists of Nigeria, Nigerian Society for Microbiology, Nigerian Mycological Society, Botanical Society of Nigeria, Nigerian Society for Parasitology, Biotechnology Society of Nigeria, International Biotechnology. He has participated in the 4th world congress on Biotechnology in North Carolina, USA, the 5th world congress on Biotechnology in Valencia, Spain, The World Congress on Virology held in San Antonio, World Virology Congress held in Atlanta and the 11th world congress on Biotechnology held recently in Berlin Germany. He has many Scholastic Honors and Awards.

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