

Review of: "Review: Human papillomavirus (HPV)"

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Potential competing interests: No potential competing interests to declare.

Overall comments:

The Author has provided some important information on Human papillomavirus (HPV) infection but has failed to point out the aim of the review article. The article is not clearly and accurately written and does not cite current literature. The author will need assistance to rewrite the whole article in the correct English language and acceptable scientific terminologies. Additionally, this review article will require some major revisions and clarifications under the following headings:

ABSTRACT

The abstract did not bring out the focus or aim of the article. There is a repetition of the following sentence **There are more than a hundred varieties of HPV.**

Also, the word **“varieties”** seems not suitable for HPV; the use of **“types or genotypes”**

This statement: Other HPVs can cause genital warts, infections, or malignancies, such as cervical and genital cancer and cancer of the back of the throat, needs to be re-written; genital warts is a form of infection, and cervical cancer is also a form of genital cancer, so these words cannot be used together in this way.

Etiology

HPV is no longer under the *Papovaviridae* family; it now belongs to the family *Papillomaviridae*

Types of Human papillomavirus

The following statement should be corrected: Human papillomavirus (HPV) is the most prevalent sexually transmitted infection that can infect the vaginal areas, mouth, and throat of females and males. Please note that males don't have vaginal areas!

This statement is not clear and is hanging: HPV types 6 or 11, which result in genital warts, and kind 1, which causes cutaneous warts.

The Replication cycle of HPV

The subtitle 'Life cycle of HPVs' should be corrected as above. The first 4 lines under this section are not clear.

Transmission

Seminal fluid, placenta, amniotic fluid, umbilical blood, breast milk, and spermatozoa have all been linked to HPV... In what way? Please rewrite!

Immunity

This section is not detailed enough.

Clinical Features of HPV: Add the letter 's' to 'features'

Please rephrase this statement 'Infection with HPV is symptomatic of genital warts.'

'Three weeks to eight months is the incubation phase, and two to three months is the clinical manifestation (Stanley, 2010).' The author should relay this statement well. Is it about the wart, cancer, or the manifestation of the infection generally?

Types of infections caused by HPV

Under Number 3; Penile cancer, the use of 'guys' in the following statement is not appropriate: 'guys with HIV and those who have intercourse with other guys are more likely to experience it.'

Under Number 4; Cervical cancer, the first 4 lines should be rewritten in clear and correct English language.

Under Number 5; Warts, Warts are caused by HPV2, HPV27, and HPV57, but not by types 2, 1, or 63. So, where do you place HPV 6 and 11, which cause 90% of genital warts?

Under Number 8; Lung Cancer, Both benign and malignant cancers in the upper respiratory tract can be brought on by HPV. Many cases of lung cancer include HPV antibody detection (AACR, 2011). Using 'brought on' is not correct. Then HPV antibody detection is not a case of lung cancer. The author should rewrite these statements.

Epidemiology

HPV infections were quite rare in girls under the age of 14, but they started to rise dramatically in the mid-teens. In this statement, the author cannot use 'they' to qualify HPV infection, so the statement should be corrected.

Diagnosis of HPV: The subtitle should be 'Diagnosis'... not 'Diagnosed as corrected'. This section is not detailed enough.

Prevention by Vaccines

With the ability to protect against HPV16, HPV18, HPV31, HPV45, HPV52, HPV58, HPV6, and HPV11, Gardasil 9 (4vHPV) was the first vaccine to be approved by the Food and Drug Administration in 2006. The above statement is incorrect; firstly 'protect' should be used, not 'protection,' then secondly, Gardasil 9 is not 4vHPV, and it was

not the first vaccine to be approved by the FDA.

Other Comment:

The author should revise the language to improve the readability and flow of the article. The author should make use of recent literature to correct the outdated information.