



The Role of HPV Testing in Managing Genital Warts and Preventing Further Complications

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Abstract

Human papillomavirus (HPV) is the most common sexually transmitted infection globally, with certain types causing genital warts and others linked to an increased risk of cancer. HPV testing has emerged as a critical tool for managing genital warts and preventing further complications. This article explores the biological underpinnings of HPV, its association with genital warts, and the value of HPV testing in clinical management and public health interventions. By focusing on the prevention and long-term implications of untreated HPV, the discussion underscores the importance of integrating HPV testing into routine healthcare practices.

immunocompromised individuals, who are more prone to persistent infections and progression. Treatment Monitoring Post-treatment HPV Testing helps evaluate the effectiveness of interventions and monitor for recurrence, ensuring comprehensive care. HPV testing contributes significantly to preventing complications arising from untreated or persistent infections. Key roles include [6-8]

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Early Detection of High-Risk HPV Concurrent high-risk HPV infections can remain asymptomatic while increasing the risk of precancerous lesions. Early detection facilitates timely surveillance and intervention. Guidance for Vaccination HPV vaccination remains effective in preventing infection with additional HPV types. Testing informs decisions about catch-up or prophylactic vaccination, even in individuals with a history of genital warts. Public Health Impact Population-wide HPV testing provides valuable epidemiological data, guiding targeted public health measures to reduce transmission rates and associated complications [9,10]

HPV-

D

HPV - DNA .G , - HPV HPV-6 HPV-11. x .W , [4,5]. HPV - DNA RNA HPV

I

- - . RNA T D , RNA,

HPV

, HPV : A

T I HPV . A

D

D , HPV :L C A C . S P I F .C A , T HPV

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R HPV G U Ex
D H T T . I HPV
E . E A P
C HPV
HPV , HPV
A N
C I
N

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