

Awareness and acceptance of HPV vaccine for condyloma acuminata (CA) among college students without sexual experience ——Vaccine prevention of CA before happen

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Abstract

Background. Sexual transmission of human papillomavirus (HPV) types 6 and 11 causes 90% of condyloma acuminata (CA) and the prevalence of CA in the younger generation is not low. Human papillomavirus vaccines containing types 6 and 11 are highly effective in preventing condyloma acuminatum transmission. By getting immunized promptly, college students who have not had sexual experience as a catch-up group can minimize the potential emotional and financial stress of CA. However, no comprehensive research has been undertaken on the views of this population about the CA vaccination. **Methods.** This study aimed to examine HPV knowledge and CA vaccination acceptance among college students without sexual experience in Guangdong, China. We used WeChat web-based questionnaires to conduct a cross-sectional survey of respondents. College students identified as having never had sexual relations were maintained, and 2,139 valid questionnaires were ultimately collected. **Results.** Knowledge of CA (26.2%) and HPV (18.8%) was poor among college students who had never engaged in sexual activity, as was the vaccination rate (2.9%). However, acceptance of the vaccine was relatively high (54.8%). More respondents received the CA vaccine if they were full-time students (OR = 1.962), had heard of CA (OR = 1.505), had actively learned about CA (OR = 1.812), considered the vaccine safe (OR = 2.310), and believed it was successful in preventing CA (OR = 3.925). **Conclusions.** Overall, this population has limited knowledge about the CA and HPV vaccines. To protect young people's health and lessen the disease burden, society should pay more attention to CA and HPV vaccination education.

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