

Abstract

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Title: **Vaccination against papillomaviruses - Knowledge of high school students in Hradec Krlov**

Bachelor thesis

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Study program: **Medical bioanalytics**

Background: The aim of the thesis was to find out the knowledge of adolescent girls about vaccination against human papillomaviruses and HPV infection. Next, to find out how many girls are vaccinated and finally what is their attitude towards this topic.

Methods: The questionnaire survey focused on female students aged 15–20 years from six high schools in Hradec Krlov.

Results: In total, 529 students were involved in our study. We found out, that the awareness of the existence of human papillomaviruses among the students is not very satisfying as well as their knowledge of the way of HPV transmission. Altogether 65 % of respondents know about the possibility of vaccination and 46.3 % of the girls are vaccinated. More than half (56.9 %) of respondents participate in gynecological examination, the girls from the hotel school go there the most. Students from the veterinary school have the best knowledge of HPV and cervical cancer. We found out that the students of the medical high school don't have better knowledge of this topic comparing the students of other schools that participated in this study.

Conclusions: From the introduction of the first vaccine against human papillomaviruses on the market has passed eleven years but young girls are still insufficiently informed about the possibility of HPV vaccination, human papillomaviruses and their transmission. Even though the girls probably realize the importance of gynecological examination, they don't go there because they don't have any problems. The students are probably not informed about the fact that initial stages of cervical cancer can be asymptomatic.

Keywords: human papillomavirus, HPV vaccination, cervical cancer