

عنوان مقاله:

Human papillomavirus and breast cancer in Iran: a meta- analysis

محل انتشار:

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خلاصه مقاله:

Objective(s):This study aims to investigate the relationship between human papillomavirus (HPV) and breast cancer using meta- analysis. **Materials and Methods:** Relevant studies were identified reviewing the national and international databases. We also increased the search sensitivity by investigating the references as well as interview with research centers and experts. Finally, quality assessment and implementation of inclusion/exclusion criteria determined the eligible articles for meta-analysis. Based on the heterogeneity observed among the results of the primary studies, random effects model was used to estimate the pooled prevalence of HPV infection and also pooled odds ratio between HPV and developing breast cancer using Stata SE V. 11 software. **Results:**This meta- analysis included 11 primary studies investigating the HPV infection prevalence among 1539 Iranian women. Pooled prevalence (95% confidence interval) of HPV infection among Iranian women with breast cancer was estimated as of 23.6% (6.7- 40.5), while, the odds ratio (95% confidence interval) between HPV infection and developing breast cancer was estimated as of 5.7% (0.7- 46.8). **Conclusion:** This meta- analysis showed a high prevalence of HPV infection among women with breast cancer. We also found that the odds of developing breast cancer among women with breast cancer .was more than that of women without breast cancer

کلمات کلیدی:

Breast Cancer, Meta- analysis, Papillomavirus

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