**Evaluating the Relationship between Human Papilloma Virus Infections, Prostate Cancer and Interleukin-12 Levels**

*Moradi Sadegh 1 , Rashno Mohammad 2 , Sarkarian Mohsen 3 , Kaydani Gholam Abbas 4 , Fatahi Ladan 5 , Seyedtabib Maryam 6 , Shariffat Moosa 7 , Khodadadi Ali 8\**

1. Department of Immunology, Faculty of Medicine, Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

2. Assistant Professor of Microbiology Cellular and Molecular Research Center, Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

3. Assistant Professor of Urology Department of Urology, School of Medicine, Golestan Hospital, Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

4. Assistant Professor of Medical Virology Department of Laboratory Sciences, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

5. Assistant Professor of Pathology Department of Pathology, School of Medicine,Imam Khomeini Hospital, Golestan Hospital,Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

6. Assistant Professor of Biostatistics Department of Biostatistics and Epidemiology, School of Health,Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

7. Department of Immunology, Faculty of Medicine, Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

8. Department of Immunology, Faculty of Medicine . Ahvaz Jundishapur University of Medical Sciences , Ahvaz, Iran

**Corresponding Author ;** *khodadadi, ali* . Department of Immunology, Faculty of Medicine . Ahvaz Jundishapur University of Medical Sciences .

P.O. Box 61355-45, Ahvaz, Iran

EMAIL: [akhodadadi2@gmail.com](mailto:akhodadadi2@gmail.com)

ORCID:0000-0003-0442-273X

**Short name :** relationship between HPV, prostate cancer and IL-12