



# Human Papillomavirus

## Proving and Using a Viral Cause for Cancer

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**AUDIENCE:** Clinical and scientific virology and cancer research; public health, diagnostic and pharmaceutical industries; modern medical history and sociology. Graduate level scientists in virology, molecular biology, pathology, screening, vaccines and epidemiology and public health

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**The complete story of HPV and cancer for all involved in HPV science and the implementation of HPV screening and vaccination globally – a straight-forward account by many of those who developed the study of HPV**

### **KEY FEATURES**

- A comprehensive, straight-forward up-to-date review written for scientists, clinicians, and public health professionals actively engaged in the study of HPV and its role cancer
- Presents the way in which evidence on the role of HPV and the utility of HPV-based prevention has been accumulated over 40 years by a growing band of international clinical and basic scientists, pathologists, epidemiologists, mathematical modellers, and health economists
- Discusses the relation of HPV to cervical, vulval, penile, anal, scrotal, and head and neck cancer and their prevention
- Describes the development and evaluation of HPV vaccines, including over 12 years of experience in practice
- Discusses the possibilities and prospects for achieving the WHO goal of elimination of cervical cancer in all countries of the world through new approaches to screening and HPV vaccination

### **DESCRIPTION**

**Human Papillomavirus: Proving and Using a Viral Cause for Cancer** begins with the history of cervical cancer in Western medicine before the finding of HPV DNA in cervical cancer cells. It presents the steady, massive accumulation of evidence about the role of HPV and prevention of HPV-induced cancer through developing cervical screening practice and then HPV prophylactic vaccination. It is written by many scientists of different backgrounds and nationalities who have played a part in establishing the global relevance of this virus. This research involved years of personal commitment to proving or disproving an idea that aroused initial skepticism, and still has difficult implications for some conservative religious groups and anti-vaccine believers, although not for most people worldwide. It remains one of the big successes of medicine that exploited both established medical science dating back to the nineteenth century and new molecular genetic science at a time of great transition in medicine and remains a model for the application of new science to clinical and preventive medicine.



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