

## HPV GLOBAL PREVALENCE AND LARYNGEAL CARCINOMA

**Mohammed A Gomaa**

Minia University, Egypt

**Objective :** Laryngeal cancer is the most common cancer in the head and neck. Human papilloma virus is a group of over 150 related viruses. Infection with certain types of HPV can also cause some forms of cancer. The aim of the study is multivariate analysis of sociodemographic and pathological character of Squamous cell carcinoma of the larynx and Human papilloma virus subtype-16.

**Patients and Method:** The study was conducted on 50 patients who were admitted at the otolaryngology-head and neck surgery department in Minia University Hospital, and other 4 University Hospitals during the period from January 2014 till December 2014. All patients were subjected to a preoperative assessment protocol that include history taking, general examination, otolaryngological examination, laryngeal imaging , laryngeal biopsy and biopsy assessment to identify the tumor grade and Immunohistochemical staining for HPV-16.

**Results and conclusion:** HPV-16 immunostaining was positive in 18% (9/50) cases studied. There was no statistically significant difference between the HPV-16 immunoreactivity and any of

the clinicopathological variables. There was highly significant correlation between HPV-immunoreactivity and tumor grade ( $p=0.000$ ).

### Biography

Mohammed A. Gomaa is a professor of Otorhinolaryngology, faculty of Medicine, Minia university, Egypt. I am graduated from Minia University on 1990, spent my residency at Minia university Hospital, I spent all of my career at Minia university till I get the position of Full professor on 2014. I spent a couple of years as a research fellow at The University of Oklahoma Health Sciences Center from 1996 to 1998 working on head and neck cancer. I am a member of American Academy of Otorhinolaryngology, Head and Neck surgery since 1999 and now serving on Diversity committee also serving now as a Global Liaison of Otorhinolaryngology Section of American National Medical Association. I published 25 articles and another 10 now under publication, I published many of them at international Journal with impact factors. My h-index is 6 and have my papers cited in 134 articles so far. I present a lot of my work at highly ranked international conferences In USA, Europe, Dubai, and of course Egypt. I am consultant, Research Leader, and international scholar in the field of Otorhinolaryngology.

magomaa@yahoo.com