Distribution of Type Specific Human Papilloma virus DNA among women of cervical cancer in a tertiary level hospital.

Gopal Chandra Kundu

ABSTRACT: Background:Infection with high-riskhuman papillomavirus (HPV) has been recognized as a causal factor for development of cervical pre-cancerous and cancerous lesions. So far more than 150 types of HPV are identified. Globally its prevalence is 11.7 %. Their distribution varies from country to country, also from region to region. Background knowledge about the distribution of HPV genotypes in invasive cervical cancer is crucial to guide the introduction of prophylactic vaccines. We aimed to provide novel and comprehensive data about the genotype distribution in patients with invasive cervical cancer in a university hospital of Bangladesh.

Objective of the Study:The current study was designed to see the distribution of type specific Human Papilloma Virus DNA among cervical cancer patients in Bangabandhu Sheikh Mujib Medical University.

Methodology: The study was a cross sectional, observational and single

Biography

Gopal Chandra Kundu is an renowned Indian cell and cancer biologist and a Senior Scientist (Scientist-G) at National Centre for Cell Science. centered study. It wascarried out in the department of gynecological oncology, BSMMU, Dhaka from January 2019 to June 2019. Method of sampling was purposive sampling according to the availability of patients. Total 46 women were included in the study .Women with histopathologically diagnosed carcinoma of cervix were included in this study. Swab was collected from endocervix and also from ectocervix in case of growth or ulcer and 14 high risk genotype of HPV (type 16,18,31,33,35,39,45,51,52,56,58,59,66 and 68) were detected by Real Time Polymerase Chain Reaction (PCR) using AmpliSens HPV High Carcinogenic Risk (HPV HCR) genotype-titre-FRT PCR kit , Russia after sample processing and DNA extraction . Then data were collected and analyzed using SPSS version 22 software for windows

Recent Publications

- 1. Globocan 2018: Population Fact Sheet less Developed Regions. Estimated cancer Incidence, Mortality and Distribution worldwide 2018.
- 2. Globocan 2012: Population Fact Sheet-Bangladesh. Estimated Cancer Incidence, Mortality and Distribution World Wide in 2012.

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