

International E-Conference on

CANCER SCIENCE AND THERAPY

December 07-08, 2020 | Virtual Webinar

To study the expression of epidermal growth factor in gall bladder carcinoma: An institutional study

Dupinder Kaur

Mahatma Jyotiba Phule Rohilkhand University, India

Introduction: Few studies have been performed to evaluate the EGFR expression in gallbladder carcinoma and its relationship with the grade of tumor. Based on these facts the aim of our study was to assess the EGFR overexpression in correlation to the grade of tumor.

Material and Methods: Seventy-five cases of histopathologically proven gall bladder cancer were included in the study. EGFR staining was done and score was calculated.

Results: It was observed that out of 75 cases of gall bladder malignancy, 63 (84%) cases were EGFR positive and 12 (16%) were EGFR negative. There was a statistically significant difference between the histological grade of EGFR positive and EGFR negative adenocarcinomas with significantly higher number of patients of EGFR overexpression presenting with poorly differentiated adenocarcinomas.

Conclusion:

1. EGFR overexpression has inverse relationship with grade of the tumor.
2. Intensity of EGFR expression may thus correlate with aggressiveness of disease and there is a possible scope of using this for targeted therapy in carcinoma gall bladder.

Keywords: gallbladder, carcinoma, tumor, EGFR, histopathology, malignancy

Biography:

Dr Dupinder Kaur completed MBBS from Acharya Shri Chander College of Medical Sciences Jammu in 2013. She did her post-graduation from SRMS Bareilly, Uttar Pradesh, in 2016. She has participated in various CMEs, conferences and presented her research work. Her research work has been published in reputed medical journals. Presently she is working in NABL accredited laboratory in Jammu