



3rd INTERNATIONAL CONFERENCE ON OTORHINOLARYNGOLOGY

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TITLE: EVALUATION OF CLINICO-PATHOLOGICAL PARAMETERS AND EPIDERMAL GROWTH FACTOR RECEPTOR STATUS TO CREATE A MATHEMATICAL MODEL FOR PROGNOSIS OF ORAL SQUAMOUS CELL CARCINOMAS

Name: AKHEEL MOHAMMAD

Affiliation: Assistant Professor at City University Ajman

Country: United Arab Emirates (UAE)

Email ID: m.akheel@cu.ac.ae

ABSTRACT (upto 300 words)

Oral Squamous cell carcinomas (OSCC) are the most common type of variant causing oral cancers, contributing for around 90%. The overall survival of these patients is below 50%. The postoperative overall survival (OS) has not improved over years much despite of advanced surgical techniques and invention of various anticancer drugs. There was always a requirement for a non-invasive molecular marker to predict the prognosis of these patients. The epidermal growth factor (EGF) and their receptors are not only thought to play a critical but also an influential role in growth of the cell and differentiation in normal/ healthy tissues. This study put forward a proposed mathematical model by incorporating all important histopathological parameters to predict the prognosis of the patients. EGFR expression is one such important parameter to be considered to develop anti – EGFR agents to improve the OS of the patients.

Learning Objectives

1. To find the prognosis of the patient based on clinic-pathological parameters like pathological Tumour Node Metastasis (TNM) Staging, histological differentiation of tumour, tumour depth, tumour margins, Lymphovascular invasion (LVI) and perineural invasion (PNI).
2. To find whether expression of epidermal growth factor receptor affect the patient's prognosis with oral squamous cell carcinomas as an independent prognostic marker.
3. To calculate the 2-year survival rate of patients with oral squamous cell carcinoma.
4. To design a mathematical model with EGFR expression and other important parameters like tumor depth, pTNM staging, tumor margins and lymph node involvement to find the prognosis of oral squamous cell carcinomas.

BIOGRAPHY (upto 200 words)

He is an Assistant Professor and Specialist oral and Maxillofacial surgeon working in City University Ajman, UAE with enriched experience and expertise of 10 years after masters in oral & maxillofacial surgery, sub specialized in head & neck oncology/ reconstruction. He has International Fellowship in head & neck oncology and surgery from Memorial Sloan Kettering Cancer centre (MSKCC), N.Y. Over the years he has been handling complex maxillofacial cases and performed which include cranio-maxillofacial trauma, odontogenic infections, salivary gland surgeries, TMJ surgeries, benign cysts of jaws, benign tumors of jaws and face, paragangliomas of head/neck etc. He has keen interest in oral and head/neck malignancies (squamous cell carcinomas, basal cell carcinomas, melanomas, sarcomas) and has performed minor/major / supra major head & neck cancer surgeries. He has 95 peer reviewed international publications, part of Editorial board member in more than 10 International journals and also has authored 5 book publications. He is a MFDS Glasgow part 1 & 2 examiner and committee member in American head and neck society (AHNS).



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Presenter Name: Akheel Mohammad

Mode of Presentation: Oral/Poster.

Contact number: +9710561284899

