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Expressions of cytokeratin (CK-HMW) and epithelial membrane antigen (EMA) in oral squamous cell carcinoma

Tahrir N N Aldelaimi
University of Anbar, Iraq

A number of etiologic factors have been implicated in the development of oral squamous cell carcinoma (OSCC). The overall survival rate of is low; largely because of the propensity of some tumors to disseminate via the lymphatic and the finding of lymph node involvement is one of the strongest indications of poor prognosis. Twenty five patients including 11 females and 14 males with Oral Squamous cell carcinoma who have been treated surgically at Maxillofacial Surgery Unit, Surgical Specialties Hospital, Medical City. Patients was examined and evaluated clinically and prepared for surgeries. Biopsy specimens sent to Histopathological examination for confirmation of diagnosis, another sections of block of biopsy undergone immunohistochemical study for evaluation of expression of Cytokeratin CK-HMW and Epithelial Membrane Antigen EMA. CK-HMW expression was found higher in 60-69 years old age group, CK-HMW expression was observed in OSCC of WD grade in 3 (12%), 1(4%) and 3 (12%) as strong, mild and moderated expression respectively and most expression was found in stage II including 4 (16%), 6 (24%) and 2 (8%) for strong, moderate and mild expression respectively. EMA expression in OSCC was found in 22 (68%) and higher expression was found in 60-69 years old age group, EMA expression was observed in OSCC of WD grade in 3 (12%), 1(4%) and 6 (24%) as strong, mild and moderated expression respectively and most expression was found in stage II including 4 (16%), 4 (16%) and 7(28%) as strong, moderate and mild expression respectively. The results provide an extended knowledge about the role of monoclonal antibodies expression patterns in OSCC, increased expressions of EMA & CK-HMW reflect the invasive properties and malignant potential of OSCC.

Biography

Tahrir N N Aldelaimi has done BDS. (Baghdad University/College of Dentistry), CDI in Dental Implantology (Iraqi Group of Oral Implant / Iraqi Dental Association & Dentaforum, Germany, MSc in Oral & Maxillofacial Surgery (Baghdad University/College of Dentistry), FIBMS in Maxillofacial Surgery (Scientific Council of Maxillofacial Surgery/ raqi Board for Medical Specializations, DLMFS Laser specialty (Baghdad University/Institute of Laser for Postgraduate Studies). He has a membership in Iraqi Dental Association, Member in Iraqi Teachers Association, Member in Association of University Lecturers, Member in editorial board (section editor) in NIJM / Official Journal of Ministry of Health, Iraq, Member in editorial board of *Journal of Anbar University for Medical Sciences*, Iraq, valued reviewer in editorial board of *Journal of Dentistry, Oral Disorders & Therapy*, USA, valued reviewer in editorial board of *Journal of US-China Medical Sciences*, USA, Member in International Association for Dental Research (IADR), Member in Iraqi Association for Oral Research (IAOR), Member in International Iraqi Medical Association (IIMA), Fellow of Iraqi Hard Tissue Scientists (IHTS), Fellow of International Association of Oral and Maxillofacial Surgeons (IAOMS). He has 13 papers published at peer reviewed Iraqi journals, 14 papers published at peer reviewed international journals, 19 papers presentation at Iraqi scientific medical conferences and symposiums and 7 papers presentation at International scientific medical conferences and symposiums.