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Expression of MicroRNA-34c in different grades of Oral squamous cell carcinoma versus normal oral mucosa (Ex-Vivo Study)

Marwa Refaat Mahmoud[1], Shaymaa Omar Zayed[2], Shaimaa Ali Hamouda[3]

[1]Master candidate at oral and maxillofacial pathology department , faculty of dentistry Cairo university;

[2]Assistant professor of oral and maxillofacial pathology,faculty of dentistry cairo university;

[3]lecturer of oral and maxillofacial pathology ,faculty of dentistry cairo university

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M Marwa Refaat Mahmoud

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ABSTRACT

The relevance of miRNAs in cancer was related to the changes in expression patterns and recurrent amplification as well as deletion of miRNA genes in cancers. miR-34c is an important tumor suppressor gene seen to be downregulated in various cancer types, such as neuroblastoma breast cancer, lung cancer and in laryngeal SCC. Previous studies investigating the expression of miR-34c in plasma and tumor tissue in patients, revealed that the high expression of miR-34c was associated with prolonged overall survival and disease-free survival compared with low expression, and it showed the possibility of regarding miR-34c as potential prognostic markers in several cancers. But to date little is known about the dysregulation of miR-34c in different grades of oral squamous cell carcinoma .The aim of our study is to evaluate the change of expression level of MicroRNA- 34c in different grades of OSCC versus normal oral mucosal tissues.

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