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## Relationship of epidermal growth factor receptor (EGFR) expression and survival rate of SCC patients

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Increased expression of EGFR on tumor cells is associated with a decrease in survival rate of patients in some cancers. We studied the relationship of the EGFR expression rate with oral SCC prognosis. If we find a relationship between EGFR increase and SCC prognosis, we may benefit from anti-ErbB monoclonal antibody (from EGFR family) in SCC treatment. We used EGFR antibodies for immunohistochemical staining of 38 paraffin blocks of oral SCC. We multiplied stained cells to total cells by intensity of staining to calculate the stainability of the cells. The expression rate of EGFR was matched to mortality or/and recurrence rate of cancer in a few years follow up. Results indicate a significant relationship between EGFR and oral cancer prognosis. Increased EGFR expression predicts poorer prognosis of oral SCC.

### Biography

Sepehr Parhizkar is a Senior Dental student at Dental school of Guilan University (AC). He completed his Eukaryotic Cells Culture course at Cellular & Molecular Research Center-Guilan University of Medical Science.

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