

## Ekspresi protein gen NM23 pada karsinoma sel skuamosa lidah

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### Abstrak

Tongue squamous cell carcinoma, a relatively frequent malignancy in the oral cavity has a great tendency to metastasize to regional lymph nodes that worsens the prognosis of the disease. The anti metastasis gene NM23, encodes a 17 KD cytoplasmic and nuclear proteins has shown controversy behaviour as metastatic suppressor in human cancer. An observational study using immunohistochemical staining method with LSAB (-) technique was conducted on 41 paraffin block specimens to show the relationship between significance of the expression of NM23 protein as a marker for cancer metastasis and the staging, cancer grading and the positive regional head and neck lymph nodes. Statistical significance of difference was evaluated using Chi square test ( $p < 0.01$ ). The result showed that there was an inverse relationship between expression of NM23 protein and the cancer grading as well as frequency of the positive regional head and neck lymph nodes supporting the role of NM23 as metastasis suppressor factor that may be useful for predicting tongue squamous cell carcinoma metastasis.