

## عنوان مقاله:

Overexpression of Lysosome-Associated Membrane Protein ۱ in Oral Squamous Cell Carcinoma and its Correlation with Tumor Differentiation and Metastasis

## محل انتشار:

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## خلاصه مقاله:

**Introduction:**The overexpression of lysosome-associated membrane protein ۱ (LAMP۱) has been demonstrated in different types of cancers, such as ovarian carcinoma, esophageal squamous cell carcinoma, breast cancer, and colorectal carcinoma. Nonetheless, the expression of LAMP۱ in oral squamous cell carcinoma (OSCC) has not been investigated yet. **Materials and Methods:**This cross-sectional study was conducted on ۶۵ patients with OSCC selected from the Department of Pathology of Shiraz University of Medical Sciences. The control group comprised ۵۵ tissues of normal oral epithelium. The expression of LAMP۱ in OSCC tissue samples was assessed using immunohistochemistry (IHC) analysis. The association between LAMP۱ and clinicopathological features of patients with OSCC was also evaluated. **Results:**The expression of LAMP۱ was significantly higher in OSCC tissues, as compared to that in normal tissues ( $P < ۰.۰۰۱$ ). The chi-square analysis indicated that the high LAMP۱ expression was correlated with the degree of tumor differentiation and metastasis ( $P = ۰.۰۱۴$ ). **Conclusions:**The obtained results pointed to the overexpression of LAMP۱ in OSCC, as well as its correlation with tumor grade and metastasis; therefore, LAMP۱ might have a role to play in OSCC pathogenesis and could be regarded as an independent prognostic marker in oral squamous cell carcinoma.

## کلمات کلیدی:

immunohistochemistry, LAMP۱, Oral squamous cell carcinoma

## لینک ثابت مقاله در پایگاه سیویلیکا:

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