

عنوان مقاله:

Molecular markers as an indicator in the malignant potential of oral lichen planus: A systematic review

محل انتشار:

مجله بهداشت دهان و دندان و اپیدمیولوژی دهان و دندان، دوره 6، شماره 2 (سال: 1396)

تعداد صفحات اصل مقاله: 9

نویسندگان:

Zahra Atai - Associate Professor, Department of Oral Medicine, School of Dentistry, Kerman University of Medical Sciences, Kerman, Iran

Zahra Khodadadi-Bohlouli - Dentist, Private Practice, Kerman, Iran

Nader Navabi - Associate Professor, Kerman Social Determinants on Oral Health Research Center, Kerman University of Medical Sciences, Kerman, Iran

خلاصه مقاله:

BACKGROUND AND AIM: Oral lichen planus (OLP) is a chronic, autoimmune, inflammatory disease. The progression of OLP to oral squamous cell carcinoma (OSCC) has generated a longstanding controversy about the details of this malignant transformation potential. This study aimed to do a systematic review on the molecular markers related to the malignant transformation of OLP. **METHODS:** We searched the databases PubMed, Google Scholar, Science Direct, Scopus, Cochrane and Thomson Reuters Web of Science (۱۹۹۰-۲۰۱۵) with the MeSH key words of: ("oral lichenoid reaction", "oral lichenoid lesion", "oral lichenoid eruption", "oral lichen planus" "lichen planus", "lichenoid") AND ("malignant transformation", "premalignant character", "cancerization", "pre-neoplasm", "squamous cell carcinoma"). The reviewers screened the identified publications in three steps according to title, abstract and full text, extracted all the investigated markers in screened articles and finally classified the markers according to the frequency. Extracted data were saved in Excel software. **RESULTS:** Out of ۵۷۰ articles, ۶۶ were finally enrolled in the study. The most frequent evaluated markers were p۵۳, cyclooxygenase-۲ (COX-۲), Ki۶۷, B-cell lymphoma-۲ (Bcl-۲), Bax, p۲۱, and caspase-۳. **CONCLUSION:** The present study concluded that there were some documented evidences for association between malignant transformation of OLP and seven molecular markers (p۵۳, COX-۲, Ki۶۷, Bcl-۲, Bax, p۲۱, and caspase-۳).

کلمات کلیدی:

Biomarkers, Tumor, Gene expression, Oral lichen planus

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2048434>

