

论著

# 吸烟口腔白斑患者粘膜脱落细胞和外周血淋巴细胞DNA 损伤关系的研究

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**摘要** 目的与方法:本文对54 例口腔白斑患者(均为吸烟者)进行了口腔脱落粘膜细胞微核和外周血淋巴细胞微核及染色体畸变率检测。结果:吸烟的口腔白斑患者口腔脱落粘膜细胞微核细胞率和外周血淋巴细胞微核细胞率及染色体畸变率均显著高于正常人,且口腔白斑病损区的脱落粘膜细胞微核细胞率的变化与口腔白斑病变程度相关,正常区粘膜脱落细胞微核细胞率的高低与外周血淋巴细胞微核细胞率呈正相关。结论:结果表明,口腔白斑病损区脱落粘膜细胞微核细胞率可反映组织病变程度,用口腔脱落粘膜细胞微核细胞率替代外周血淋巴细胞微核反映机体接触致癌物水平更简便易行。

**关键词** [口腔白斑](#) [微核](#) [染色体畸变](#)

## STUDIES ON DNA DAMAGE OF ORAL MUCOSA CELLS AND PERIPHERAL BLOOD LYMPHOCYTES IN SMOKING ORAL LEUKOPLAKIA PATIENTS

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**Abstract** Purpose and Methods : The incidence of micronucleated cells in exfoliated oral mucosa cells and the incidence of micronucleated cells and chromosome aberration in peripheral blood lymphocytes of 54 smoking oral leukoplakia patients were examined. Results : The results showed that the incidence of micronucleated cells in exfoliated oral mucosa cells , the incidence of micronucleated cells and chromosome aberration in peripheral blood lymphocytes of smoking oral leukoplakia patients were significantly higher than those of healthy persons ; the incidence of micronucleated cells in exfoliated oral mucosa cells of lesion mucosa had a positive correlation with the degrees of oral lesions , and the incidence of micronucleated cells in exfoliated oral mucosa cells of normal mucosa had a positive correlation with the incidence of micronucleated cells in peripheral blood lymphocytes. Conclusion : It is concluded that the incidence of micronucleated cells in exfoliated oral mucosa cells of lesion mucosa may reflect the degrees of oral lesions , and it is simple and economical to use the incidence of micronucleated cells in exfoliated oral mucosa cells of normal mucosa to substitute peripheral blood lymphocytes in reflecting DNA damage levels of body exposure to carcinogens.

**Keywords** [Oral leukoplakia](#) [micronuclei](#) [chromosome aberration](#)

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