

论著

金属硫蛋白和超氧化物歧化酶在颊鳞状细胞癌的表达

陈仕生; 姚小武; 杨利和

汕头大学医学院第二附属医院口腔科, 广东 汕头 515041

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摘要 背景与目的: 探讨金属硫蛋白(Metallothionein, MT)及铜/锌超氧歧化酶(Cu/Zn Superoxide dismutase, Cu/Zn-SOD)在颊粘膜鳞状细胞癌的表达及其意义。材料与方法: 对8例颊癌MT和Cu/Zn-SOD采用免疫组化的方法, 观察两者在颊癌中表达的定位, 并对MT和CuZn-SOD表达进行定量分析。结果: 在高分化鳞癌, MT和CuZn-SOD主要表达在癌巢周边, 癌巢中心及间质组织表达较少或不表达, 在低分化鳞癌则散在分布。在8例颊癌标本中, MT和Cu/Zn-SOD表达差异无统计学意义(P=0.554)。结论: MT和Cu/Zn-SOD主要表达在分化较差、生长活跃的癌细胞, 两者相类似的表达对肿瘤的发生发展和预后关系值得进一步探讨。

关键词 [颊鳞状细胞癌](#); [金属硫蛋白](#); [铜/锌超氧歧化酶](#)

The Expression of MT and Cu/Zn-SOD in Buccal Mucosa Squamous Cell Carcinoma

CHEN Shi -sheng; YAO Xi ao-wu; YANG Li -he

Department of Stomatology, the Second Affiliated Hospital of Shantou University Medical College, Shantou 515041, Guangdong, China

Abstract BACKGROUND & AIM: To explore the expression and significance of metallothionein(MT) and Cu/Zn-SOD in buccal mucosa squamous cell carcinoma. **MATERIAL AND METHODS:** The localizations of MT and Cu/Zn-SOD expressions in 8 samples of buccal mucosa squamous cell carcinoma were studied by immunohistochemical methods and analyzed quantitatively. **RESULTS:** In the well-differentiated squamous carcinoma, the MT and CuZn-SOD were expressed mainly at peri-tumor area, but less or not expressed at the centre and in interstitial tissue. While in poorly differentiated carcinoma, the expression was scattered. There was no significant difference between the expressions of MT and Cu/Zn-SOD among the 8 samples (P=0.554). **CONCLUSION:** MT and Cu/Zn-SOD were expressed mainly in the poorly differentiated and actively growing tumor cells. Their similar expression and the association with tumor development, progression and prognosis should be further studied.

Keywords [carcinoma of buccal mucosa](#) [metallothionein](#) [Cu/Zn superoxide dismutase](#)

DOI

通讯作者 陈仕生 g_sschen@stu.edu.cn

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