

论文

γ-干扰素、白细胞介素-10在口腔扁平苔藓上皮下结缔组织中的表达

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摘要:

目的 检测口腔扁平苔藓黏膜上皮结缔组织中γ-干扰素(IFN-γ)、白细胞介素-10(IL-10)的表达情况,初步探讨其在口腔扁平苔藓发生发展过程中的作用及意义。方法 应用PCR技术和荧光实时定量PCR技术检测11例口腔扁平苔藓黏膜上皮结缔组织和5例正常口腔黏膜上皮结缔组织中IFN-γ、IL-10的表达情况。结果 荧光实时定量PCR检测结果显示,口腔扁平苔藓黏膜上皮结缔组织中IFN-γmRNA的表达值实验组与对照组分别为 0.2981 ± 0.2064 和 0.0986 ± 0.0894 ,扁平苔藓组织均高于正常口腔黏膜组织;IL-10 mRNA的表达值实验组与对照组分别为 4.3218 ± 4.4678 和 15.1156 ± 9.1392 ,扁平苔藓组织均低于正常口腔黏膜组织,经检验差异有统计学意义($P < 0.05$)。结论 与正常口腔黏膜组织相比,口腔扁平苔藓组织中具有促炎作用的IFN-γ表达水平增高,而具有抗炎作用的IL-10表达水平降低,提示抗炎反应和促炎反应在口腔扁平苔藓的发生发展过程中起到一定的作用。

关键词: 细胞因子; 扁平苔藓; 口腔; 荧光实时定量PCR

Expressions of IFN-γ and IL-10 in sub-epithelial connective tissues of oral lichen planus

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Abstract:

Objective To detect expressions of IFN-γ and IL-10 in sub-epithelial connective tissues of oral lichen planus (OLP) and to explore their roles in the occurrence and process of OLP. Methods Specimens were collected from 11 patients with OLP and 5 normal oral mucosa. Expressions of IFN-γ and IL-10 were determined by polymerase chain reaction (PCR) technology and fluorescent real-time quantitative PCR technology. Results Fluorescent real-time quantitative PCR results showed that expression of IFN-γ mRNA in OLP and in normal oral mucosa was 0.2981 ± 0.2064 and 0.0986 ± 0.0894 , while expression of IL-10 mRNA in OLP and in normal oral mucosa was 4.3218 ± 4.4678 and 15.1156 ± 9.1392 . Conclusion Compared with normal oral mucosa, IFN-γ expression was increased, however, IL-10 expression was reduced in OLP, suggesting that an anti-inflammatory response and pro-inflammatory response had some role in the occurrence and process of OLP.

Keywords: Cytokines; Lichen planus, oral; Fluorescent real-time quantitative polymerase chain reaction

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