

论文

FOXP3在正常人皮肤和表皮肿瘤中的表达及意义

许艳静, 郭淑兰

山东大学齐鲁医院皮肤科, 济南 250012

摘要:

目的 探讨叉头状转录因子P3 (forkhead box protein-3, FOXP3) 在正常人皮肤和不同表皮肿瘤皮损中的表达及意义。方法 应用免疫组织化学EnVision法检测20例脂溢性角化、19例日光性角化、21例鲍恩病、13例鳞状细胞癌及13例正常人皮肤中FOXP3的表达。结果 脂溢性角化、日光性角化、鲍恩病、鳞状细胞癌皮损中FOXP3+淋巴细胞阳性率均高于正常皮肤 (P<0.01); 脂溢性角化、日光性角化、鲍恩病、鳞状细胞癌间FOXP3+淋巴细胞阳性率差异有统计学意义 (P<0.01); 日光性角化FOXP3+淋巴细胞阳性率高于脂溢性角化 (P<0.05); 鲍恩病、鳞状细胞癌FOXP3+淋巴细胞阳性率均高于日光性角化 (P<0.05), 而其在鲍恩病与鳞状细胞癌间表达差异无统计学意义 (P>0.05)。结论 FOXP3+淋巴细胞在表皮良性肿瘤、癌前病变、恶性肿瘤中的表达呈逐渐增高趋势,在表皮肿瘤的免疫逃逸中发挥重要作用,促进了其发生发展。

关键词: 表皮肿瘤; 叉头状转录因子P3; 调节性T细胞

Expression and significance of FOXP3 in normal skin and epidermis neoplasms

XU Yanjing, GUO Shulan

Department of Dermatology, Qilu Hospital of Shandong University, Jinan 250012, China

Abstract:

Objective To investigate the expression and significance of FOXP3 in normal skin and lesions of different epidermis neoplasms. Methods The immunohistochemical EnVision method was applied to detect expression of FOXP3 in 20 seborrheic keratosis(SK), 19 actinic keratosis(AK), 21 Bowen's disease (BD), 13 squamous cell carcinoma(SCC), and 13 normal skin controls. Results The positive rates of FOXP3 positive lymphocytes in lesions of SK, AK, BD and SCC were higher than that in normal skin tissue (P<0.01). There was a significant difference in expression of FOXP3 among the SK,AK,BD and SCC lesions(P<0.01). The positive rate of FOXP3 positive lymphocytes in AK lesions was higher than that in SK lesions(P<0.05). The positivity rates of FOXP3-positive lymphocytes in BD and SCC lesions were both higher than that in AK lesions(P<0.05), while no significant difference in expression of FOXP3 between lesions of BD and SCC was observed(P>0.05). Conclusions FOXP3 positive lymphocytes gradually increase in epidermis neoplasms from benign to malignant tumors. They may play an important role in immune escape of epidermal tumors and promote their occurrence and development.

Keywords: Epidermis neoplasms; Forkhead box protein-3; Regulatory T lymphocyte

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通讯作者: 郭淑兰 (1965-), 女, 教授, 主要从事感染性及自身免疫性皮肤病的研究。

作者简介: 许艳静 (1983-), 女, 硕士研究生, 主要从事皮肤肿瘤的研究。

作者Email:

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