

论著

Cx43蛋白和Cx43 mRNA在皮肤瘢痕及瘢痕癌组织中的表达

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摘要 背景与目的: 探讨皮肤瘢痕被覆上皮癌变的可能因素。材料与方法: 用免疫组织化学S-P法和原位分子杂交技术检测皮肤瘢痕癌组织、皮肤瘢痕被覆上皮、正常皮肤上皮组织中Cx43蛋白和Cx43 mRNA的表达。结果: Cx43蛋白和Cx43 mRNA在正常皮肤组织上皮表达为强阳性、在皮肤瘢痕被覆上皮为阳性, 在皮肤瘢痕癌组织为阴性或弱阳性, 其表达水平和表达强度在上述组织中依序逐渐降低, 与正常对照组比较差异均有统计学意义(P均<0.05), 且Cx43蛋白和Cx43 mRNA在皮肤瘢痕癌组织中的表达水平呈正相关(r=0.733, P<0.05)。结论: Cx43蛋白和Cx43 mRNA的低表达, 可能与皮肤瘢痕癌的发生有关。

关键词 [Cx43](#); [皮肤瘢痕](#); [癌变](#)

The Expressions of Cx43 Protein and Cx43 mRNA in Skin Scar and Scar Carcinoma

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Abstract BACKGROUND AND AIM: To study the relationship between malignant transformation of skin scar and connexin 43(Cx43) protein and Cx43 mRNA. MATERIALS AND METHODS: We compared skin scar and skin scar carcinoma with normal skin tissues. The expressions of Cx43 protein was evaluated by immunohistochemical S-P method, and the expression of Cx43 mRNA was assessed by in situ hybridization. RESULTS: The expressions of Cx43 and Cx43 mRNA in normal epidermis, skin scar epithelium and skin scar carcinoma were strongly positive, positive and weakly positive, respectively. The expressions of Cx43 protein and Cx43 mRNA in skin scar epithelium and scar carcinoma were statistically different to that in normal skin epidermis. The expression levels of Cx43 protein and Cx43 mRNA showed positive correlation in skin carcinoma tissues. CONCLUSION: The low expressions of Cx43 proteins and Cx43 mRNA may play important roles in the development or progression of skin scar carcinoma.

Keywords [Cx43](#) [skin scar](#) [malignant transformation](#)

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