

论著

hTERT和C-myc的表达在食管上皮增生和癌变过程中的意义

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摘要 目的: 研究食管粘膜上皮癌变过程人端粒酶反转录酶(hTERT)和C-myc蛋白的表达, 并探讨其与食管癌发生的关系。方法: 应用免疫组化S-P法, 观察70例食管癌切除新鲜标本的上切缘正常粘膜、癌旁食管粘膜上皮和食管原位癌组织中hTERT和C-myc蛋白的表达情况。结果: hTERT和C-myc在增生和恶变的食管粘膜上皮细胞表达, 两者在食管癌变过程显示相同的分布模式。结论: 端粒酶hTERT和C-myc蛋白的表达与食管粘膜上皮的恶性转化密切相关, 端粒酶hTERT的重新激活和C-myc的上调表达可能在食管癌的组织发生中起关键性作用。

关键词 [hTERT](#); [C-myc](#); [食管上皮](#); [癌变](#)

THE SIGNIFICANCE OF EXPRESSION OF hTERT AND C-myc IN ESOPHAGEAL EPITHELIOSIS AND CARCINOGENESIS

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Abstract Purpose: To investigate the expression of human telomerase reverse transcriptase (hTERT) and C-myc in esophageal epitheliosis and carconogenesis, and their relation to the development of esophageal carcinoma. Methods: Telomerase hTERT and C-myc protein expression in 70 fresh tissue specimen, including esophageal mucosa above the upper surgical margin, carcinoma in situ and mucosa adjacent to tumor, were detected using immunohistochemical method. Results: hTERT and C-myc protein were expressed in proliferating and transformed malignant cells of esophageal epithelium. The expression of C-myc protein showed a similar distribution pattern to that of hTERT. Conclusion: Telomerase hTERT and C-myc protein expressions are closely related to the malignant transformation of esophageal epithelium. The reactivated telomerase and up-regulated C-myc may play a crucial role in the development of esophageal carcinoma.

Keywords [hTERT](#) [C-myc](#) [Esophageal epithelium](#) [Carcinogenesis](#)

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