

论著

p53 及PCNA 的异常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:研究食管上皮增生、不典型增生及原位癌中p53 蛋白及增殖细胞核抗原(PCNA) 的异常表达,探讨其在食管癌发生发展中的作用。方法:用免疫组化LSAB 方法检测189 例食管鳞癌旁上皮及原位癌中p53 及PCNA 的表达。结果:癌旁上皮中存在p53 蛋白积聚,从上皮增生→不典型增生→原位癌,其阳性率依次为55 %、79 %和98 % (P < 0. 01)。PCNA 的阳性强度也是依次递增。结论:p53 蛋白的积聚在食管鳞癌癌前病变中既已存在,说明它是一个早期事件,在食管癌的发生中起一定的作用。p53 及PCNA 的异常表达可能成为判断食管上皮发生癌变或癌前病变的客观指标之一。

关键词 [p53 蛋白](#) [增殖细胞核抗原\(PCNA\)](#) [食管上皮](#) [不典型增生](#) [原位癌](#)

THE SIGNIFICANCE OF OVER-EXPRESSION OF p53 PROTEIN AND PROLIFERATION CELL NUCLEAR ANTIGEN IN ESOPHAGEAL EPITHELIOSIS AND CARCINOGENESIS

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Abstract Purpose : To study the over-expression of p53 protein and proliferation cell nuclear antigen (PCNA) in human esophageal basal cell hyperplasia , atypical hyperplasia , and carcinoma in situ , and to analyse the significance of the expression. Methods : 189 specimen of esophageal paracarcinoma epithelia and carcinoma in situ were tested for p53 and PCNA using immunohistochemical technic. Results : From basal cell hyperplasia to atypical hyperplasia to carcinoma in situ , the rates of p53 protein accumulation were 55 % , 79 % and 98 % (P < 0. 01) , respectively , and PCNA immunostain-positive cells increased in number as well. Conclusions : p53 protein accumulation occurs early in the pathogenesis of esophageal carcinoma. Over-expression of p53 protein and PCNA may serve as an indicator of precancerous lesions and malignancy in the human esophageal epithelium.

Keywords [p53 protein](#) [proliferation cell nuclear antige \(PCNA\)](#) [esophageal epithelium](#) [atypical hyperplasia](#) [carcinoma in situ](#)

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