癌变.畸变.突变 ISSN: 1004-616x CN:44-1063/R 2003; 15(4) :217-219

论著

子宫内膜癌组织中PTEN mRNA表达的研究

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收稿日期 2003-3-20 修回日期 2003-4-30 网络版发布日期:

摘要 目的: 探讨子宫内膜癌组织中PTEN mRNA的表达及临床病理意义。 方法: 应用逆转录-聚合酶链反应(RT-PCR)分别扩增65例子宫内膜癌和15例正常子宫内膜组织中PTEN基因外显子1-8、5-9和5-8片段，并结合临床病理资料进行分析。结果: 在65例子宫内膜癌组织中，PTEN mRNA的表达缺失率在外显子1-8、5-9和5-8分别为49.23 % (32/65)、 38.46 % (25/65)和 32.31 %(21/65)，而正常子宫内膜组织中全部呈阳性表达。二者在三组中表达缺失率的差别显著 (P < 0.05) 。而且子宫内膜癌组织中的表达缺失率在特殊类型癌和G 3级组织中分别高于内膜样腺癌和G1～2级组织 (P < 0.05) 。 结论: 子宫内膜癌组织中存在较高比例的PTEN mRNA表达缺失，表明PTEN基因转录水平异常在子宫内膜癌的发生发展中起重要作用。

关键词 子宫内膜癌； PTEN mRNA； 逆转录-聚合酶链反应(RT-PCR)

STUDY ON EXPRESSION OF PTEN mRNA IN ENDOMETRIAL CARCINOMA

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Abstract Purpose: To investigate expression of PTEN mRNA in endometrial carcinoma and its clinocopathoopoology. Methods: The expression of PTEN mRNA was detected by reverse transcription-PCR in 65 endometrial carcinomas and 15 normal human endometria. Results: Of the 65 endometrial carcinoma cases, the loss of expressions of PTEN mRNA in exon 1-8 , exon 5-9 and exon 5-8 were 49.23 %， 38.46 % and 32.31 %， respectively. Expressions of PTEN mRNA was detected in all of the normal endometrial tissues. The lost rate of expression of PTEN mRNA was significantly relevant to histological type and histological grade in endometrial carcinoma. Conclutions: There was a higher incidence of negative expression of PTEN mRNA in endometrial carcinoma, which indicates that PTEN gene inactivation may play an important role in the genesis and development of some endometrial carcinoma .

Keywords endometrial carcinoma PTEN mRNA RT-PCR

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