

论著

## NF- $\kappa$ B、COX-2在宫颈癌组织中的表达及其与HPV16感染的关系

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**摘要** 背景与目的: 探讨宫颈癌组织中NF- $\kappa$ B、COX-2的表达及其与HPV16感染的关系。材料与方法: 采用免疫组织化学PowerVision TM 二步法对46例宫颈癌和31例正常宫颈组织进行NF- $\kappa$ B、COX-2蛋白检测, 用PCR技术对组织标本的HPV16 DNA进行检测。结果: NF- $\kappa$ B、COX-2在宫颈癌组织中的表达率显著高于正常对照组( $P<0.01$ ), NF- $\kappa$ B、COX-2的表达与HPV16型的感染具有相关性( $P<0.05$ )。结论: 宫颈癌组织中NF- $\kappa$ B、COX-2呈高表达。NF- $\kappa$ B的活化及COX-2的高表达可能与HPV16感染有关。

**关键词** [宫颈癌](#); [细胞核因子 \$\kappa\$ B](#); [环氧合酶-2](#); [人乳头瘤病毒16型](#)

## Correlation of NF- $\kappa$ B and COX-2 Expressions in Cervical Cancer with HPV16 Infection

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**Abstract** **BACKGROUND & AIM:** To explore the relationship between expressions of NF- $\kappa$ B and COX-2 in tissue of cervical cancer and HPV16 infection. **MATERIALS AND METHODS:** The expressions of NF- $\kappa$ B and COX-2 were assessed by immunohistochemical staining in 46 specimens of cervical cancer and 31 specimens of normal cervical tissue. The infection of HPV16 DNA were determined by PCR. **RESULTS:** The expression rates of NF- $\kappa$ B and COX-2 in cervical cancer appeared significantly higher than that in normal cervical tissue ( $P<0.01$ ). The expressions of NF- $\kappa$ B and COX-2 in HPV DNA positive group were significantly higher than that in negative group ( $P<0.05$ ) of cervical cancer. **CONCLUSION:** There were higher expressions of NF- $\kappa$ B and COX-2 in cervical cancer tissues. The activation of NF- $\kappa$ B and overexpression of COX-2 may be related to HPV 16 infection.

**Keywords** [cervical cancer](#) [NF- \$\kappa\$ B](#) [cyclooxygenase-2](#) [HPV16](#)

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