



Relation between *p16* expression and biological behavior of gastric carcinoma

Lin Zhang, Hong-Mei Fu, Shu-Zhen Jin, Cheng-Gang Zhou

Lin Zhang, Hong-Mei Fu, Shu-Zhen Jin, Department of Pathology, Kunming Medical College, Kunming 650032, Yunnan Province, China

Cheng-Gang Zhou, General surgery of First Affiliated Hospital, Kunming Medical College, Kunming 650032, Yunnan Province, China

Author contributions: All authors contributed equally to the work.

Correspondence to: Dr. Lin Zhang, Department of Pathology, Kunming Medical College, Kunming 650032, Yunnan Province, China

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Abstract

AIM: To discuss the relationship between *p16* expression and biological behavior of gastric carcinoma.

METHODS: Immunohistochemical methods were used in this study to detect *p16* expression of gastric carcinoma and normal gastric tissues.

RESULTS: The expression levels of P16 protein in normal gastric tissue and gastric carcinoma were separately 100.0% (12/12) and 39.2% (20/51). There was significant difference ($P < 0.001$). The positive rate of P16 protein expression was not related to the differentiation and the cancerous infiltration degree of gastric carcinoma ($P > 0.05$). In the cases with or without lymphnode metastasis, the positive rate of p16 protein was 25.8% (8/31) and 60.0% (12/20), there was significant difference ($P < 0.00$).

CONCLUSION: The defect expression of P16 protein was correlated with occurrence and lymphnode metastasis of gastric carcinoma. Determination of P16 Protein expression may be useful in diagnosis and predicting prognosis of gastric carcinoma.

Key words: Stomach neoplasms; *p16* gene; Lymphatic metastasis; Immunohistochemistry

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