

miRNA-17-5p在胃癌患者血清中的表达及其临床意义

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Title: Expression of circulating miR-17-5p in gastric cancer patients and its clinical significance

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关键词: miR-17-5p; 胃癌; qRT-PCR; 血清标志物

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摘要: 目的: 探讨miRNA-17-5p在胃癌患者血清中的表达情况以及临床意义。方法: 前瞻性选取54例胃癌患者及54例健康对照者纳入研究, 抽取所有研究对象的血清标本, 提取总RNA, 逆转录后实时荧光定量PCR (qRT-PCR) 检测miR-17-5p在血清中的表达水平, 并分析miR-17-5p的表达与胃癌临床病理特征的关系。结果: miR-17-5p在胃癌患者血清中的表达量为 0.67 ± 0.11 , 显著低于对照组 2.67 ± 0.29 , 差异具有统计学意义 ($P < 0.05$)。胃癌患者血清 miR-17-5p的表达与胃癌患者的肿瘤大小、淋巴结转移及临床分期密切相关 ($P < 0.05$), 但与患者年龄、性别及肿瘤分化程度无明显相关 ($P > 0.05$)。结论: miR-17-5p在胃癌患者血清中表达下调, 且与患者临床病理指标密切相关, 是胃癌临床诊断的有效分子指标。

Abstract: Objective: To explore the expression of miR-17-5p in the serum of gastric cancer patients and its clinical significance. Methods: Expression of miR-17-5p in serum of 54 gastric cancer patients and 54 healthy control persons was analyzed by qRT-PCR. Statistical analysis was performed to analyze the association between the miR-17-5p and the clinic pathological parameter. Results: The results of qRT-PCR showed that the circulating miR-17-5p was significantly down-regulated in the serum of the patients with gastric cancer patients compared to the normal controls. And the decreased expression of miR-17-5p was associated with tumor size, lymph node metastasis and TNM stage, but not significantly correlated with age, gender and tumor differentiation. Conclusion: Circulating miR-17-5p expression is significantly down-regulated in serum of gastric cancer patients, and is a promising diagnostic and prognostic biomarker for gastric cancer patients.

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