

论著

# MUC4 mRNA 在胰腺癌患者外周血单个核细胞中的表达及临床意义

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**摘要** 摘要: 目的 研究MUC4 mRNA在人胰腺癌患者外周血单个核细胞中的表达及临床意义。方法 采用逆转录实时PCR法检测20例胰腺癌、12例慢性胰腺炎患者及8例健康志愿者外周血单个核细胞中MUC4 mRNA的表达。结果 MUC4 mRNA在慢性胰腺炎患者及健康志愿者外周血单个核细胞中无表达,20例胰腺癌患者中有12例表达,其阳性表达率(60%)明显高于慢性胰腺炎组及健康对照组(P均<0.01)。MUC4 mRNA阳性表达率有随胰腺癌临床分期增加而逐渐增高的趋势,在临床TNM III~IV期中的阳性表达率(76.92%)明显高于I~II期(28.57%)(P<0.05)。结论 胰腺癌患者外周血MUC4 mRNA的表达与临床分期具有高度相关性,可用于胰腺癌的早期诊断和鉴别诊断。

**关键词** [胰腺癌](#) [MUC4 mRNA](#) [诊断](#) [标志物](#)

分类号

## Clinical Significance of the Expression of MUC4 mRNA in Peripheral Blood Mononuclear Cells of Pancreatic Cancer Patients

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**Abstract** Abstract: Objective To explore the expression and clinical significance of MUC4 mRNA in peripheral blood mononuclear cells of pancreatic cancer patients. Methods The expression of MUC4 mRNA in peripheral blood mononuclear cells of pancreatic cancer patients were detected with reverse transcription realtime PCR. Results Expression of MUC4 mRNA was not detected in the peripheral blood mononuclear cells of chronic pancreatitis patients and normal healthy people, but was observed in those of pancreatic cancer patients. The positive expression rate of MUC4 mRNA in pancreatic cancer patients was 60%, which was significantly higher than those of chronic pancreatitis patients and normal healthy people (P < 0.01). The positive expression rate of MUC4 mRNA increased with the development of clinical stage, and the positive expression rate in stage of III-IV (TNM system) was 76.92%, which was significantly higher than that of I-II stage (P < 0.01). Conclusions Expression of MUC4 mRNA is highly correlated with the clinical stage in pancreatic cancer patients. Detecting the expression of MUC4 mRNA in peripheral blood mononuclear cells of pancreatic cancer patients may be helpful for the

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early diagnosis and differential diagnosis.

**Key words** [pancreatic cancer](#) [MUC4](#) [mRNA](#) [diagnosis](#)  
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