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论文

糖尿病肾病患者AR基因表达量测定

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摘要:

对50例正常人和80名糖尿病肾病不同分期的患者进行醛糖还原酶(Aldose Reductase, AR)基因的表达量测定, 提示AR基因有望成为糖尿病肾病(DN)早期诊断的生物标志物以及DN治疗上潜在的药物靶点, 并且利用AR基因对DN的中医诊断进行了分子生物学验证.

关键词: 糖尿病肾病; 醛糖还原酶; Taqman实时荧光定量 PCR

Determination of AR Gene Expression in Diabetic Nephropathy

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Abstract:

Diabetic nephropathy(DN) is a common chronic diabetic microvascular complication. DN is closely related to polyol pathway of glycometabolism, and aldose reductase(AR) is a rate-limiting enzyme in polyol pathway. In order to study the AR expression level in patients with different stages of DN, AR gene expression was detected in 50 cases of normal subjects and 80 diabetic nephropathy patients with different stages. The results show that AR gene is expected to be a biomarker for early diagnosis of DN, as well as the potential drug target in DN treatment. According to AR gene expression, the diagnosis of diabetic nephropathy in Chinese medicine is verified on the molecular biology level.

Keywords: Diabetic nephropathy; Aldose reductase; Taqman real-time PCR

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