

论文

慢性丙型肝炎患者血清白介素-8表达水平与基因型及抗病毒治疗的相关性

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摘要:

目的 探讨慢性丙型肝炎患者血清白介素-8(IL-8)水平与丙型肝炎病毒(HCV)感染、基因型及抗病毒治疗的关系。方法 对74例慢性丙型肝炎患者应用基因芯片法进行基因型检测,应用双抗体夹心ABC-ELISA法检测患者血清IL-8。比较不同基因型患者之间IL-8水平的差别,观察了抗病毒治疗12周后IL-8水平的变化。结果 慢性丙型肝炎患者及健康对照组血清IL-8水平分别为(42.95±50.00)pg/mL及(11.06±1.39)pg/mL(P<0.01);基因1b型慢丙肝患者(46例)及基因2a型患者(28例)IL-8水平分别为(52.72±60.67)pg/mL及(26.93±13.97)pg/mL(P<0.05)。抗病毒治疗后HCV RNA转阴者,其IL-8水平由(41.20±25.89)pg/mL降至(23.89±10.59)pg/mL(P<0.01)。结论 慢丙肝患者血清IL-8水平较健康对照组明显升高,且以感染HCV基因1b型者更明显。抗病毒治疗HCV RNA阴转后,其IL-8水平明显回降。

关键词: 肝炎, 丙型, 慢性; 白介素 8; 基因型; 抗病毒治疗

Relationship of expression level of serum IL-8 with HCV genotypes and antiviral treatment in patients with chronic hepatitis C

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Abstract:

Objective To study the relationship of expression level of serum interleukin-8 (IL-8) and HCV genotypes in patients with chronic hepatitis C and observe the change of serum IL-8 level after antiviral treatment. Methods HCV genotypes were determined using DNA chip assay in 74 chronic hepatitis C patients. Serum IL-8 of these patients was determined using bi-antibody sandwich ABC-ELISA assay. Levels of IL-8 in chronic hepatitis C patients with different genotypes were compared. The change of IL-8 level after 12 weeks of antiviral treatment was observed. Results Levels of serum IL-8 in chronic hepatitis C patients and healthy controls were (42.95±50.00)pg/mL and (11.06±1.39)pg/mL, respectively (P<0.01), and in patients infected with genotype 1b and genotype 2a were (52.72±60.67)pg/mL and (26.93±13.97)pg/mL, respectively (P<0.05). After 12 weeks of antiviral treatment, the serum IL-8 level in patients with undetectable HCV RNA decreased from (41.20±25.89)pg/mL to (23.89±10.59)pg/mL (P<0.01). Conclusions The serum level of IL-8 in patients with chronic hepatitis C significantly increases compared with that in healthy controls. The IL-8 level in patients with genotype 1b is higher than that in patients with genotype 2a. The IL-8 level in patients with undetectable HCV RNA significantly decreases after antiviral treatment.

Keywords: Hepatitis C, Chronic; Interleukin 8; Genotype; Antiviral treatment

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