

论著

儿童真菌性肠炎患者血清IL-27增高及其意义

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摘要: **目的** 评价血清IL-27对儿童真菌性肠炎的诊断价值。**方法** 收集89例儿童真菌性肠炎,61例儿童病毒性肠炎和41例健康对照者的临床资料及血清。酶联免疫吸附试验(ELISA)检测血清中IL-27和降钙素原(Procalcitonin,PCT)的水平,全自动血球分析仪检测各项白细胞参数,分析IL-27与白细胞计数和PCT的相关性,采用受试者工作曲线(ROC)法评价血清IL-27对儿童真菌性肠炎患者的诊断价值。**结果** 儿童真菌性肠炎患者血清IL-27水平较儿童病毒性肠炎组和健康对照组显著增高($P<0.01$),儿童真菌性肠炎患者IL-27的水平与白细胞计数无显著相关性($R=-0.198, P>0.05$),与PCT水平呈显著正相关($R=0.419, P<0.01$)。IL-27诊断儿童真菌性肠炎的ROC曲线下面积为0.82(95%可信区间:0.63~0.89, $P<0.01$)。最佳诊断界值为80.5 pg/mL,敏感性为0.75,特异性为0.79。**结论** IL-27对儿童真菌性肠炎具有较高的诊断价值。

关键词: 白介素-27 真菌性肠炎 诊断

Clinical significance of increased serum IL-27 in children with mycosis intestinalis

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Abstract: **Objective** To evaluate the diagnostic value of serum IL-27 on children with mycosis intestinalis.**Methods** The serum level of IL-27 and PCT of 89 children with mycosis intestinalis,61 viralgastroenteritis and 41 healthy volunteers were detected by ELISA.The association between IL-27 and white blood cell count and PCT was analysed.The diagnostic value of IL-27 on children with mycosis intestinalis was evaluated by receiver operating characteristics(ROC) curve analysis.**Results** The level of serum IL-27 was significantly increased in children with mycosis intestinalis than that of viral intestinalis group and healthy control group($P<0.01$).The level of serum IL-27 positive correlated with PCT,was observed in children with mycosis intestinalis.Area under curve(AUC) confirmed by ROC analysis was 0.82(95% Confidence interval(CI):0.63-0.89) for IL-27.At the best cut-off value of 0.82 pg/ml,the diagnostic sensitivity and specificity of IL-27 are 0.75 and 0.79 respectively.**Conclusions** Serum IL-27 has high diagnostic performance for children with mycosis intestinalis,which should be an early biomarker for children with mycosis intestinalis.

Keywords: mycosis intestinalis Interleukin-27 diagnosis

收稿日期 2011-11-28 修回日期 网络版发布日期

DOI:

基金项目:

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