

论著

ELISA检测华支睾吸虫病患者血清特异性IgG₄的诊断价值

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摘要

目的 探讨用ELISA检测华支睾吸虫病患者血清中特异性IgG₄ 的诊断价值。 方法 用华支睾吸虫成虫可溶性抗原进行ELISA分别检测华支睾吸虫病患者 (76例)血清中的特异性IgG和IgG₄ 抗体及日本血吸虫病、并殖吸虫病、囊尾蚴病患者 (分别为 63、35、41例)和健康者 (65人)血清中的交叉抗体。 结果 检测 76例华支睾吸虫病患者血清中IgG₄ 的检出率为 93.42% ,检测 65例健康者血清中的IgG₄ 均为阴性 ,分别与检测IgG结果比较差异均无显著性意义 (P均 >0.05) ;与其它寄生虫病的交叉反应率,IgG₄ 显著低于IgG ;诊断效率及阳性、阴性预告值分别为 96.45%、100%和 92.85%。 结论 用ELISA检测华支睾吸虫病患者血清中特异性IgG₄ 具有较高的诊断应用价值。

关键词 [华支睾吸虫病](#) [ELISA](#) [IgG₄](#) [抗体检测](#) [血清学诊断](#)

分类号

The Diagnostic Value of ELISA in Detecting Specific IgG₄ of Clonorchiasis

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Abstract

Objective To prove the value of ELISA in detecting serum IgG₄ in the diagnosis of clonorchiasis. Methods ELISA was used to detect the specific IgG and IgG₄ antibodies in sera from the patients with clonorchiasis and other parasitic diseases and from healthy persons. Results The sensitivity and specificity of IgG₄ antibodies detected by ELISA in sera from the patients with clonorchiasis showed no significant difference with that of IgG detected. The cross reaction rate of IgG₄ in sera from patients infected with other parasites was significantly lower than that of IgG detection. The diagnostic efficiency and the positive and negative predictive values were 96.45%, 100% and 92.85%, respectively. Conclusion The specific IgG₄ detected by ELISA showed the same sensitivity and specificity as IgG in diagnosing clonorchiasis and less cross reaction with sera from the patients infected with other parasites. Therefore, the specific IgG₄ detection by ELISA had higher diagnostic value than IgG detection in diagnosing clonorchiasis.

Key words [clonorchiasis](#) [ELISA](#) [IgG₄](#) [antibody detection](#) [serodiagnosis](#)

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