

论著

日本血吸虫病患者尿液中循环抗原和抗体联合检测的诊断价值

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摘要

[目的] 探讨尿液中血吸虫循环抗原和抗体检测对日本血吸虫病的诊断价值。[方法] 用单克隆抗体夹心 ELISA 法检测日本血吸虫病患者尿液中循环抗原, 间接 ELISA 检测尿液中特异性抗体。[结果] 10 例急性血吸虫病和 61 例慢性血吸虫病患者尿液中循环抗原的阳性率分别为 60% 和 40%, 特异性抗体的阳性率分别为 80% 和 61.7%。两者联合检测的总阳性率分别为 100% 和 71.7%。100 例健康对照者尿液中仅 3% 出现假阳性。[结论] 检测尿液中日本血吸虫循环抗原和特异性抗体简便、实用, 为一种非损伤性的血吸虫病诊断方法。

关键词 [日本血吸虫病](#) [循环抗原](#) [特异性抗体](#)

分类号

THE DIAGNOSTIC VALUE OF COMBINED DETECTION OF CIRCULATING ANTIGENS AND ANTIBODIES IN URINE OF PATIENTS WITH SCHISTOSOMIASIS JAPONICA

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Abstract

[Objective] To assess the value of detecting circulating antigens and antibodies in urine as a noninvasive method for the diagnosis of schistosomiasis. [Methods] A sandwich ELISA and ELISA using McAb were applied to detect circulating schistosomal antigens and specific antibodies in the urine of patients with acute and chronic schistosomiasis. [Results] When the urine samples from 10 cases of acute schistosomiasis and 61 cases of chronic schistosomiasis were examined, the positive rates of circulating antigens and specific antibodies were 60%, 40%, and 80%, 60.1%, respectively; when both detection was combined, the positive rates were 100% and 71.7% respectively, whereas a false positive rate of 3% of CAg or CAb was detected in the urine of 100 normal controls. [Conclusion] The detection of circulating antigen in urine is a practicable and noninvasive method for the diagnosis of schistosomiasis.

Key words [Schistosomiasis japonica](#) [circulating antigen](#) [specific antibody](#).

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