

论著

腹部超声显像指标诊断血吸虫患病的一致性分析

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摘要

目的探讨不同B超指标诊断日本血吸虫患病的一致性程度和最佳指标组合。方法选取6个B超指标对湖南省汉寿县全兴村居民血吸虫病病情进行调查,计算不同B超指标之间的诊断一致性系数Kappa值和不同B超指标组合内部一致性的克隆巴哈 α 系数。结果以“肝实质Ⅱ级以上”与“肝锁骨中线肋下”和“肝门脉内径”的一致性系数Kappa值较高,分别为0.4131和0.4655,仅为中等程度的一致性,其余为弱一致性或无明显一致性。在不同B超指标的组合中,以“肝实质Ⅱ级以上”、“肝锁骨中线肋下”和“肝门脉内径”3个指标组合的克隆巴哈 α 系数最大,为0.6566,具有较强的内部一致性。结论6个B超指标不应该互相替代评估血吸虫患病,在广泛应用B超评估血吸虫患病之前,有必要对这些B超指标间的诊断一致性及其最佳组合进行研究。

关键词 [日本血吸虫病](#) [腹部超声检查](#) [诊断](#)

分类号

Consistency Analysis in the Use of Abdominal Ultrasonography for Diagnosing Schistosomiasis japonica-Related Morbidity

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Abstract

Objective To explore the consistency among different indices of abdominal ultrasonography for the diagnosis of *schistosomiasis japonica*-related morbidity and the best combination of the indices. Methods Six indices of abdominal ultrasonography were selected to investigate schistosomiasis-related morbidity in residents in a village of Hunan Province, and the Kappa coefficients of diagnostic consistency among different indices and Cronbach's alpha coefficients of different combinations of indices were computed. Results The Kappa coefficients of 'liver parenchyma \geq grade II' with 'right midclavicular subcostal' and with 'portal vein diameter' were 0.4131 and 0.4655 respectively, higher than normal level. The degree of their consistency was fair, and others showed poor or almost no consistency. Among the combinations made up of different indices, the Cronbach's alpha coefficient of the combination made up of 'liver parenchyma \geq grade II', 'right midclavicular subcostal' and 'portal vein diameter' was 0.6566 which was the highest, showing the strongest internal consistency. Conclusion The six indices can not be replaced with each other in assessing schistosomiasis-related morbidity. Before abdominal ultrasonography is used extensively to assess the morbidity, it is necessary to study the diagnostic consistency of these indices and the best combination of the indices.

Key words [Schistosomiasis japonica](#) [Abdominal ultrasonography](#) [Diagnosis](#)

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