

论著

晚期日本血吸虫病的家庭聚集性研究

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摘要

目的: 探讨晚期日本血吸虫病的家庭聚集性。方法: 选择江西省玉山县 81 例晚血和 67 名非晚血的患者作为先证者和对照, 调查其二级以内的亲属晚血患病情况, 比较先证者近亲、远亲和对照组的患病率, 并用 0 截尾 Poisson 分布和 0 截尾负二项分布模型拟合晚血病例在人群中的分布, 分析晚血的家庭聚集性。结果: 先证者的一级亲属患病率高于二级亲属和对照组亲属; 晚血在人群中的分布超越了 Poisson 分布的概率范围而与负二项分布一致。结论: 晚期日本血吸虫病具有家庭聚集性。

关键词 [血吸虫病](#) [家庭聚集性](#) [遗传流行病学](#)

分类号

STUDY ON FAMILY AGGREGATION OF CASES OF ADVANCED SCHISTOSOMIASIS JAPONICA

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Abstract

AIM: To explore the family aggregation of advanced schistosomiasis japonica. METHODS: Eighty one cases of advanced schistosomiasis(AS) and 67 cases of non advanced schistosomiasis with history of infections in Yushan County, Jiangxi Province were chosen as proband groups and control groups respectively, then grades 1 and 2 relatives of them were investigated on AS. Family aggregation of AS was analyzed through comparing the prevalence rate between the close and distant relatives of probands and controls and fitting the observed distribution of AS cases among the population by zero truncated Poisson distribution and zero truncated negative binomial distribution. RESULTS: The prevalence rate was higher in the close relatives (Group I relatives) of the probands than in the distant relatives(Group II relatives)of the probands and in the controls relatives. The observed distribution of AS was beyond the probability of the zero truncated Poisson distribution, but consistent with the zero truncated negative binomial distribution. CONCLUSION: Family aggregation of advanced schistosomiasis does exist.

Key words [Schistosomiasis](#) [family aggregation](#) [genetic epidemiology](#)

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