

研究简报

曼氏裂头蚴病流行病学调查及动物实验

蔺西萌*, 刘长军, 张红卫, 郑丽媛, 颜秋叶, 贺丽君, 赵旭东

河南省疾病预防控制中心, 郑州 450016

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摘要

2008年4~11月在河南省漯河市开展曼氏裂头蚴病流行病学调查。现场采集并检测中间宿主感染情况, 包括显微镜检查剑水蚤体内曼氏迭宫绦虫原尾蚴, 解剖镜下观察青蛙和蝌蚪皮下、肌肉组织和内脏感染裂头蚴的状况。水洗沉淀法收集终宿主家猫和犬粪便, 镜检计数虫卵。收集蝌蚪体内的裂头蚴灌胃感染家猫, 观察其排卵情况。结果显示, 剑水蚤、蛙类和蝌蚪的感染率分别为3.5% (3/85)、35.9% (120/334)和16.8% (75/446)。调查家猫3只、犬31只, 分别有1只和6只 (19.4%) 感染曼氏迭宫绦虫。感染家猫裂头蚴后12 d粪检, 曼氏迭宫绦虫卵阳性, 25 d自小肠取出17条曼氏迭宫绦虫成虫。表明河南省漯河市为曼氏裂头蚴病疫源地, 终宿主和中间宿主感染率均较高。当地居民有生食蝌蚪的不良习俗是感染曼氏裂头蚴的主要原因。

关键词 [曼氏裂头蚴病](#); [流行病学调查](#); [蝌蚪](#); [动物实验](#)

分类号

Epidemiological Investigation on *Sparganosis mansoni* and Animal Experiments

LIN Xi-meng*, LIU Chang-jun, ZHANG Hong-wei, ZHENG Li-yuan, YAN Qiu-ye, HE Li-jun, ZHAO Xu-dong

Henan Center for Disease Control and Prevention, Zhengzhou 450016, China

Abstract

The investigation was made in Luohe City of Henan Province from April to November, 2008. Cyclops were collected and plerocercoids of *Spirometra mansoni* were examined by microscope. Skin, muscle and internal organs of frogs and tadpoles were checked to detect spargana by naked eye and/or anatomical microscope. Feces of cats and dogs were collected to examine eggs after washing and precipitation. Spargana from tadpoles were collected to infect cats by oral inoculation. Results showed that the infection rate of plerocercoids in cyclops was 3.5% (3/85) and that of spargana in tadpoles and frogs was 35.9% (120/334) and 16.8% (75/446), respectively. Among 3 cats and 31 dogs investigated, 1 and 6 (19.4%) were found infected respectively. Eggs of *Spirometra mansoni* were found in feces of cats 12 days after infection. 17 adult worms were found in the intestine of the cat on the 25th day. The habit of eating live tadpoles was found in local residents. The investigation reveals a high prevalence of *Spirometra mansoni* in the intermediate and final hosts. Eating live tadpoles seems a main reason of getting sparganosis mansoni.

Key words [Sparganosis mansoni](#); [Epidemiological survey](#); [Tadpole](#); [Animal experiment](#)

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通讯作者 蔺西萌 linximeng8@163.com

作者个人主页 蔺西萌*; 刘长军; 张红卫; 郑丽媛; 颜秋叶; 贺丽君; 赵旭东

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