

研究简报

中药全蝎对体外培养犬钩口线虫钩蚴作用的观察

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摘要

为了解中药全蝎 (scorpion) 对犬钩口线虫 (*Ancylostoma caninum*) 钩蚴的作用, 取感染钩口线虫犬粪便 (含钩虫卵) 5 g, 均匀平铺于紧贴细菌干粉固体培养基的滤纸上, 轻压使其紧密接触滤纸, 置平皿中, 盖上平皿盖, 并用湿毛巾保持湿度, 35 °C 培养 24 h。水洗沉淀, 分离钩蚴, 分装 3 瓶 [2 ml/瓶 (低倍镜每个视野 1~3 个钩蚴)]。实验组分别加入中药全蝎 (2 ml)、阿苯达唑 (10 mg), 对照组加 2 ml 生理盐水。同上法继续培养 24 h。显微镜观察钩蚴生长发育情况。结果显示, 中药全蝎组虫体明显缩小, 停止发育, 内部结构模糊不清, 呈粒沙状。阿苯达唑组虫体僵直、萎缩, 体表不光滑、无蛋白质折光性, 内部结构不清, 团块状, 凸凹不一。表明中药全蝎、阿苯达唑对钩蚴发育有明显的抑制作用, 后者更为明显。

关键词 [犬钩口线虫](#) [幼虫](#) [中药全蝎](#) [药物作用](#)

分类号

In vitro Effect of Medicinal Scorpion on the Larvae of *Ancylostoma caninum*

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Abstract

Five gram stool sample from dog infected with *Ancylostoma caninum* was smeared on filter paper for routine cultivation under 35 °C with moist condition for 24 hours. Hookworm larvae were separated and divided into 3 bottles through precipitation-washing method. Traditional Chinese medicine scorpion(2 ml), albendazole(10 mg) and normal saline (2 ml)(control) were added respectively into the 3 bottles, which were cultured for another 24 hours. The growth and development of the larvae were observed under microscope. In scorpion group, the larva body shrank, development stopped, and with an unclear internal structure. Treated with albendazole, the larvae became rigid and shriveled with rough body surface and vague internal structure. The results indicate that both medicinal scorpion and albendazole have considerable effect in inhibiting the development of hookworm larvae and the effect of albendazole is stronger.

Key words [Ancylostoma caninum](#) [Larva](#) [Medicinal scorpion](#) [Drug effect](#)

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