

论著

## 新疆北部骆驼源细粒棘球绦虫发育和形态特征

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收稿日期 修回日期 网络版发布日期 接受日期

摘要

目的: 研究新疆北部双峰驼细粒棘球绦虫的发育与形态特征。方法: 用棘球蚴原头节感染家犬, 观察成虫在犬体内的发育。对 3 5 d 成虫进行形态学的观察和描述。结果: 用原头节感染的 6 只家犬, 在感染后 3 5 d 和 4 5 d 用槟榔碱驱虫, 每只犬驱出成虫 1 4 7 8 0 至 1 3 5 9 0 0 条。3 5 d 的成虫中有 1 0 % 虫体已含有厚壳虫卵, 表明有感染性。7 7 % 的成熟体节位于虫体末端, 最多体节数为 3。虫体总长 2. 5 ± 0. 7 mm, 成虫平均顶突钩数 3 2. 7 ± 1. 2, 外形光滑。平均睾丸数 3 2. 4 ± 3. 9, 分布于整个成熟体节, 在卵黄腺后排列成一排。卵巢明显较长, 有不明显的分叶, 卵黄腺长形并掩盖梅氏腺。结论: 新疆北部双峰驼细粒棘球绦虫在形态学与北非骆驼细粒棘球绦虫相似, 可能是分布在我国细粒棘球绦虫骆驼株。但与骆驼株亦有不同之处, 应进一步鉴定。

关键词 [细粒棘球绦虫](#) [骆驼](#) [形态](#) [发育](#) [新疆](#)

分类号

## CHARACTERISTICS OF DEVELOPMENT AND MORPHOLOGY OF ECHINOCOCCUS GRANULOSUS OF CAMEL ORIGIN IN NORTH XINJIANG

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Abstract

AIM: To study the characteristics of development and morphology of *E. granulosus* of camel origin in north Xinjiang. METHODS: Six dogs were infected with protoscolices and then

purged with arecoline at days 35 and 45 p.i. RESULTS: Six dogs were heavily infected, the worm

burden were 14 780 to 135 900 at days 35 and 45 p.i. At day 35 p.i. 77% of the had developed

three segments, 10% contained mature eggs with fully developed "thick shelled" embryophores.

Morphological studies revealed the following characteristics for 35-day-old worms: the mean

length of the terminal segment accounted for 56% of the total worm length: the position of the

sexually mature segment was always terminal (77%); the female reproductive system possessed an

enlongated ovary with compact lobules; the Mehlis gland was covered by the vitelline gland and

the testes were distributed throughout the segment arranging in a row posterior to the vitelline

gland. CONCLUSION: The *E. granulosus* of camel isolate in north Xin jiang can readily be

distinguished from the horse, sheep, cattle and pig strains, but is similar to the camel (*Camelus drom edarius*) strain distributed in North Africa.

Key words [Echinococcus granulosus](#) [camel](#) [morphology](#) [development](#) [Xinjiang](#)

DOI:

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