

现场研究

珠海市横琴岛嗜人按蚊形态特征及传疟作用

郑香¹, 汤林华¹, 顾政诚¹, 朱泰华², 施文琦¹, 蒋伟康¹, 周水森¹, 潘波², 林荣幸²

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摘要

目的 研究珠海市横琴岛嗜人按蚊形态及传疟作用。方法 2002年和2004年在横琴岛采用全通宵/半通宵人、牛饵诱捕和灯诱等方法捕蚊, 观察该岛嗜人按蚊成蚊、卵和蛹皮形态, 并与江苏嗜人按蚊进行比较。收集嗜人按蚊和中华按蚊传疟作用的相关参数, 估算媒介能量。结果 横琴岛嗜人按蚊形态特征与江苏省的嗜人按蚊基本一致。嗜人按蚊是横琴岛优势蚊种, 趋吸人血比例和人血指数分别为0.94和0.75。嗜人按蚊和中华按蚊媒介能量分别为5.1914和0.7052, 前者的传疟作用约为后者的7倍。结论 珠海市横琴岛嗜人按蚊形态与江苏的应属同种, 以吸人血为主, 具备较高的疟疾传播潜能。

关键词 [嗜人按蚊](#) [形态学](#) [嗜血习性](#) [媒介能量](#)

分类号

Morphology and Habits of *An. anthropophagus* and its Role in Malaria Transmission in Hengqin Island of Zhuhai City

ZHENG Xiang¹, TANG Lin-hua¹, GU Zheng-cheng¹, ZHU Tai-hua², SHI Wen-qi¹, JIANG Wei-kang¹, ZHOU Shui-sen¹, PAN Bo², LIN Rong-xing²

Abstract

Objective To study the morphology and ecological habits of *An. anthropophagus* and its role in malaria transmission in Hengqin Island of Zhuhai City, Guangdong Province. Methods Mosquitoes were captured through overnight/semi-overnight trapping with human and cattle baits as well as lamp-trapping. The specimens were morphologically identified through describing the adult mosquitoes, eggs and pupae. The relevant parameters were collected to calculate the vectorial capacity of both *An. anthropophagus* and *An. sinensis*. Results There is no morphological difference between the isolate of *An. anthropophagus* from Hengqin Island and that from Jiangsu Province. Its human blood preference ratio and human blood index was 0.94 and 0.75 respectively, and the vectorial capacity of *An. anthropophagus* was 7.36 times higher than that of *An. sinensis* (5.1914/0.7052). Conclusion The isolate of *An. anthropophagus* from Hengqin Island belongs same species to that from the mainland, which prefers to human blood and shows higher malaria transmission potential.

Key words [An. Anthropophagus](#) [Morphology](#) [Biting habit](#) [Vectorial capacity](#)

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通讯作者 汤林华 ipdtlh@public3.sta.net.cn

作者个人主页 郑香¹; 汤林华¹; 顾政诚¹; 朱泰华²; 施文琦¹; 蒋伟康¹; 周水森¹; 潘波²; 林荣幸²

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