

防治经验

残存中等密度和较高密度班氏微丝蚴血症持续时间及传播作用的观察

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摘要

[目的]探讨基本消灭丝虫病地区残存中等密度和较高密度微丝蚴血症者持续时间及传播丝虫病的作用。[方法]应用常规厚血膜法对残存微丝蚴血症进行追踪观察和定期对全民进行普查,在流行季节解剖致倦库蚊观察幼丝虫的感染率和感染度,以及应用 IFAT 进行人群抗丝虫抗体水平测定。[结果]2 例中等密度和较高密度微丝蚴血症者持续时间长达 12 年以上。致倦库蚊幼丝虫自然感染率及感染度呈逐年下降趋势,于第 16 年的人群血检中发现 1 例丝虫新感染者。[结论]残存中等密度和较高密度班氏微丝蚴血症持续时间可超过 12 年。基本消灭丝虫病地区个别残存中等密度和较高密度微丝蚴血症者仍具有传播丝虫病的作用

关键词 [班氏丝虫病](#) [微丝蚴血症](#) [致倦库蚊](#) [幼丝虫](#) [传播](#) [感染](#)

分类号

OBSERVATION ON THE PERSISTENCE PERIOD AND TRANSMISSION OF RESIDUAL MICROFILAREMIA WITH MEDIUM AND HIGHER DENSITY

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Abstract

[Objective] To explore the persistence period of medium and higher density of microfilaremia and its role in the transmission of filariasis in areas with filariasis basically eradicated. [Methods] The residual microfilaremia was followed up and the population were regularly examined by thick blood film assay. *Culex quinquefasciatus* were dissected to determine the natural infection rate and density of filarial larvae. The filarial antibody levels were detected by using IFAT. [Results] Two cases with medium and higher density of microfilaremia were found to be microfilaremia positive for twelve years. The natural infection rate and density of filarial larvae in *Culex quinquefasciatus* dropped down year by year, one case of new microfilaremia was found in the sixteenth year. [Conclusion] The persistence period of residual medium and higher density of microfilaremia lasted for more than twelve years. The individual residual medium and higher density of microfilaremia cases still possess the potential for transmission of filariasis.

Key words [Bancroftian filariasis](#) [microfilaremia](#) [Culex quinquefasciatus](#) [filarial larvae](#) [transmission](#) [infection](#).

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