

# 抗癌药对黑胸大蠊淋巴细胞和生殖细胞核结构的损伤 Effect of Anticancer Drugs on Nuclear Damage in Lymphocytes and Germ Cells of *Periplaneta fulginosa*

戴晓煌, 黄跃 DAI Xiao-Huang, HUANG Yue

贵州省遵义医学院寄生虫学教研室, 遵义 563003 Laboratory of Parasitology and Histology, Zunyi Medical College, Zunyi, Guizhou 563003

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摘要 噻替派浓度为0.1%、0.3%、0.5%时,黑胸大蠊精母细胞染色体断裂和裂隙率分别为6.3%、10.5%和14.2%,显著地高于对卵母细胞的影响;和雄虫外周血淋巴细胞微核率呈平行关系,随微核率增多而增加。5-氟尿嘧啶浓度为0.1%、0.3%和0.5%时,卵母细胞染色体断裂和裂隙率分别为3.5%、9.8%和16.2%,和雌虫外周血淋巴细胞微核率呈平行关系,随微核率增多而增加,而对雄虫生殖细胞影响不显著。

Abstract: 0.1%, 0.3%, 0.5% Thio-TEPA induced 6.3%, 10.5% and 14.2% chromosome break or gap in spermatocyte of cockroach respectively. This was markedly higher than those in oocyte. In doses from 0.1 to 0.5 Thio-TEPA the frequency of micronucleus increased parallelly with nuclear damage. 0.1%, 0.3%, 0.5% 5-fluorouracil induced 3.5%, 9.8%, 16.2% chromosome break or gap in oocytes respectively. This was paralleled with the frequency of micronucleus in lymphocytes of the female. 5-fluorouracil showed not marked effect on spermatocyte.

关键词 [微核](#) [染色体断裂](#) [裂隙](#) [Key words](#) [Micronucleus](#) [Chromosome break or gap](#)

分类号

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## Abstract

## Key words

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