

## 检测研究

# 益母草对小鼠遗传物质损伤的影响

朱玉琢<sup>1</sup>, 庞慧民<sup>1</sup>, 李秀东<sup>2</sup>, 邢沈阳<sup>3</sup>, 高久春<sup>1</sup>

1. 吉林大学基础医学院医学遗传学教研室; 2. 吉林大学公共卫生学院毒理学教研室; 3. 吉林大学护理学院生物学教研室, 吉林 长春 130021

收稿日期 2003-6-10 修回日期 2003-7-21 网络版发布日期:

**摘要** 目的:观察中草药益母草对醋酸铅引起的小鼠遗传物质损伤的影响。方法:采用小鼠骨髓微核试验和小鼠精子畸形试验。结果:益母草本身不能诱发小鼠骨髓微核和小鼠精子畸形,但在与醋酸铅一同给药时,可使醋酸铅所诱发的小鼠骨髓微核和小鼠精子畸形频率明显降低。结论:益母草对小鼠遗传物质具有保护作用,即抗诱变作用。

**关键词** [益母草](#); [醋酸铅](#); [微核](#); [精子畸形](#); [遗传损伤](#); [抗诱变](#)

## INFLUENCE OF HERBA LOENURI ON THE GENETIC DAMAGE IN MICE

ZHU Yu-zhuo<sup>1</sup>, PANG Hui -min<sup>1</sup>, LI Xiu-dong<sup>2</sup>, et al

1. Department of Medical Genetics, School of Basic Medical Sciences, Jilin University, Changchun 130021, China; 2. Department of Toxicology, School of Preventive Medicine, Jilin University, Changchun 130021, China; 3. Department of Biology, College of Nursing, Jilin University, Changchun 130021, China

**Abstract** Purpose: To observe the influence of herba loenuri on the genetic damage induced by Pb(CH<sub>3</sub>COO)<sub>2</sub> in mice. Methods: The micronucleus test of mouse bone marrow cell and sperm abnormality test in mice were used in this study. Results: Herba loenuri could not induce either micronucleus formation in the mouse bone marrow cells or sperm abnormality in mice, but the frequencies of micronucleus formation in the mouse bone marrow cells and sperm abnormality in mice induced by Pb(CH<sub>3</sub>COO)<sub>2</sub> were reduced significantly if herba loenuri and Pb(CH<sub>3</sub>COO)<sub>2</sub> were given simultaneously. Conclusion: Herba loenuri showed a protective effect, namely antimutagenesis, on genetic materials in mice.

**Keywords** [herba loenuri](#); [Pb\(CH<sub>3</sub>COO\)<sub>2</sub>](#); [micronucleus formation](#); [sperm abnormality](#); [genetic damage](#); [antimutagenesis](#)

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通讯作者 朱玉琢 [yuzhuo007@sina.com.cn](mailto:yuzhuo007@sina.com.cn)

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