

论文

蒿甲醚对小鼠血清IgG及脾重的影响

林培英;潘竞锵;冯昭明

广州市医药卫生研究所

摘要:

关键词: 蒿甲醚 氯喹 伯氏疟原虫 免疫球蛋白G(IgG) 脾脏

THE EFFECTS OF ARTEMETHER ON SERUM IgG AND SPLEEN WEIGHT IN MICE

LIN Pei-Ying; PAN Jing-Qiang and FENG Zhao-Ming

Abstract:

Levels of serum IgG of both normal mice and mice immunized with sheep red cell (SRBC) were markedly lowered after administration of Artemether, 100~200 mg/kg/d orally for 4~7 days. Mice infected with Plasmodium berghei did not show such immunopharmacological effects. The weight of spleen of normal and SRBC treated mice were significantly increased when treated with Artemether at doses of 100 up to 200 mg/kg/d given for 4~7 days. On the contrary, the spleen weight were significantly lower in the treated Plasmodium berghei infected mice than the untreated infected group which had markedly enlarged spleen. In comparison with the antimalarial drug Chloroquine given at the dose of 200 mg/kg/d for 4~7 days, it was found that the level of serum IgG and spleen weight were within normal range in Chloroquine treated mice in both the SRBC immunized and normal mice. However, in the infected mice, Chloroquine was effective in suppressing Plasmodium parasite in blood and preventing increase in spleen weight without altering the serum IgG level. It is concluded that Artemether possesses humoral immuno-suppressive effects in addition to antimalarial activity.

Keywords: Chloroquine Plasmodium berghei IgG Spleen Artemether

收稿日期 1984-06-05 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

参考文献:

本刊中的类似文章

1. 赵凯存;陈其明;宋振玉.青蒿素及其两个活性衍生物在狗体内药代动力学的研究[J]. 药学报, 1986,21(10): 736-739
2. 李成韶;杜以兰;姜齐.伯氏疟原虫对青蒿素抗药性的研究[J]. 药学报, 1986,21(11): 811-815
3. 宋振玉;赵凯存;梁晓天;刘春雪;仪明光.青蒿酯和青蒿素的放射免疫测定法[J]. 药学报, 1985,20(8): 610-614
4. 肖树华;殷静雯;梅静艳;尤纪青;李英;姜洪建.蒿乙醚的抗血吸虫作用[J]. 药学报, 1992,27(3): 161-165
5. 曾衍霖;张银娣;许帼英;王长根;姜纪荣.蒿甲醚在兔体内的药代动力学[J]. 药学报, 1984,19(2): 81-84
6. 张家坝;陈克湧;林宝英;叶秀玉;郑浩.咯萘啶-蒿甲醚-氯喹联合治疗食蟹猴疟原虫感染恒河猴的研究[J]. 药学报

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(180KB)
- ▶ [HTML全文]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ 蒿甲醚
- ▶ 氯喹
- ▶ 伯氏疟原虫
- ▶ 免疫球蛋白G(IgG)
- ▶ 脾脏

本文作者相关文章

- ▶ 林培英
- ▶ 潘竞锵
- ▶ 冯昭明

PubMed

- ▶ Article by
- ▶ Article by
- ▶ Article by

报, 1984,19(8): 571-575

7. 吴莉菊;杨惠中;杨元清.蒿甲醚对日本血吸虫及宿主肝脏作用的组织学及组织化学观察[J]. 药学学报, 1983,18(1): 7-7

8. 乐文菊;尤纪青;杨元清;梅静艳;郭惠芳;杨惠中;张超威.蒿甲醚治疗动物血吸虫病的实验研究[J]. 药学学报, 1982,17(3): 187-193

文章评论 (请注意:本站实行文责自负, 请不要发表与学术无关的内容!评论内容不代表本站观点.)

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标题	<input type="text"/>	验证码	<input type="text"/> 2401