



复方苦苓软膏的抗炎镇痛作用研究

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摘要 目的 研究复方苦苓软膏的抗炎镇痛作用。方法 采用小鼠耳廓二甲苯致炎试验和醋酸致小鼠腹腔毛细血管通透性增高实验探讨其抗炎作用; 采用小鼠热痛反应实验和小鼠醋酸扭体反应试验研究复方苦苓软膏的镇痛作用。结果 小鼠耳廓二甲苯致炎实验和醋酸致小鼠腹腔毛细血管通透性增高实验评价其抗炎作用结果, 实验组均显示具有显著的抗炎作用。分别与阴性对照组及实验药物基质组比较, 有极显著性差异($P<0.05$)。复方苦苓软膏可显著提高热板法疼痛模型小鼠痛阈值, 与阴性对照组及实验药物基质组比较, 均有极显著性差异($P<0.05$)。在小鼠醋酸扭体反应实验中, 复方苦苓软膏可减少由醋酸所致小鼠疼痛反应的扭体次数, 与阴性对照组及实验药物基质组比较, 均有极显著性差异($P<0.05$)。结论 复方苦苓软膏有显著的抗炎镇痛作用。

关键词: [复方苦苓软膏](#) [抗炎作用](#) [镇痛作用](#)

Abstract: OBJECTIVE To study the analgesic and anti-inflammatory effects of Compound matrine and baicalin ointment traditional Chinese medicines. METHODS The analgesic action was observed by mice hot-board and acetic-acid-induced twisting experiments. The swelling of ear induced by xylene and the increase of capillary permeability by acetic acid in mice were used to explore the anti-inflammatory effects. RESULTS Compound matrine and baicalin ointment could significantly inhibit the inflammation of auricle. Compared with the group 1 (negative control group), there was significant difference ($P<0.05$). While comparing the effects between the mice in the group 1 and group 4 (matrix group), there was no difference ($P>0.05$). Compound matrine and baicalin ointment also had good anti-inflammatory effect on the inflammation caused by intraperitoneal injection of acetic acid which could increase capillary permeability of mice. It could obviously elevate the threshold of pain in the hot-plate procedure and inhibit twisting reaction induced by acetic acid in mice. Compared with group 1, the differences were significant ($P<0.05$). And Compound matrine and baicalin ointment also has a good analgesic action to inhibit twisting reaction induced by acetic acid in mice. Compared with group 1 and group 4, the differences were significant ($P<0.05$). CONCLUSION Compound matrine and baicalin ointment has anti-inflammatory and analgesic effects in mice.

Keywords: [compound matrine and baicalin ointment](#), [anti-inflammatory](#), [analgesic](#)

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