本期目录 | 下期目录 | 过刊浏览 | 高级检索 论文 环磷酰胺条件性免疫抑制反应动物模型的建立及有关机制的分析 李乐群;汪静雪;宋德懋;范少光;梅林 北京医科大学生理学系,北京 100083

摘要:

关键词: 环磷酰胺; 樟脑; 2, 4-二硝基氯苯; 条件性免疫反应

BUILDING UP OF AN ANIMAL MODEL OF CONDITIONED IMMUNOSUPPRESSION AND ANALYSIS OF ITS POSSIBLE MECHANISM

LO Li; JX Wang; DM Song; SG Fan and L Mei

Abstract:

In the present study, camphor edor and intraperitoneal (ip) injection of cyclophosphami conditional and unconditional stimulus, respectively, in mice. Mice were exposed to cam their cage in a closed area followed by an ip injection of CY(75 mg kg⁻¹) This associati repeated once on the next day. Delayed type hypersensitivityresponse(DTH) was indu days after the second association trial session the micewere sensitized by smearing dinitrochlorobenezene(DNCB)on their aMominal skin, The mice werechallenged by sm left ear 5 days after the antigen sensitization, The left and rightears were removed 24 challenge and weighed, the weight ratio of left/ right ears wascalculated for identificati response, The ratio was $1.30\pm0.113(\pm s, P<0.001)$, indicating that the challenged ear w other and DTH was induced. In theunconditioned response(UCR)group, CY(75 mg kg⁻ prior to the challenge and the ratio was 1.09 ± 0.024 (P<0.001) indicating that DTH was unconditional stimulus(CY). In the conditioned response(CR) group mice were reexpo edor 24 h prior to thechallenge and normal saline was injected instead of CY, The ratio (P < 0.001), indicating that DTH was also suppressed by conditional stimulus (camphor showthat a conditioned immunosuppressive response was induced, In the experiment groups, including unconditioned response group, CYE group and camphor control grou inmore details in the text. In order to further analyse the mechanisms of the condition response, theblood from the mice in CR group was obtained 6 h after reexposure to c the serum wasinjected to normal mice 6h prior to the challenge, DTH was found to be suppressed significantly whencompared with the mice injected with normal serum, The conditioned serum was dialyzed against amembrane with a 10 000 molecular weight cut off. The suppressive activity of the conditioned serumdisapf1eared, suggesting that the molecular weight of the suppressive element in the serum was probablyless than 10000kDa.

Keywords: Camphor 2,4-Dinitrochlorobenzenc Conditioned immunolresponse Cyclophosphamide

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mide(CY)were used as	本文关键词相关文章	
amphor edor for 1h in	环磷酰胺; 樟脑; 2, 4-二硝基 氯苯; 条件性免疫反应	
ation trial session was duced as follows: six	本文作者相关文章	
g	▶李乐群	
smearing DNCB on the 24 h after the ation of the was heavier than the	▶ 汪静雪	
	▶ 宋德懋	
	▶ 范少光	
g ⁻¹)was given 24 h	▶梅林	
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