

论著

肺炎衣原体感染和高脂血症对心肌细胞NF-kappa B和AP-1的影响

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摘要 目的: 探讨肺炎衣原体感染和高脂血症对心肌细胞炎症的影响。方法: 用间接免疫荧光的方法检测肺炎衣原体感染或给予高脂饮食的C57BL/6J小鼠, 观察NF-κB亚单位P50和c-Fos在小鼠心肌细胞中表达程度。结果: 肺炎衣原体感染和高脂血症能引起心肌细胞中P50和c-Fos的激活。对照组心肌细胞核中未见P50和c-Fos的表达, 而3个实验组心肌细胞核中都有不同程度的P50和c-Fos表达。实验组和对照组比较P<0.01, 在3个实验组间无显著差异。结论: 在肺炎衣原体感染和高脂血症形成的早期, 心肌细胞的炎症通路已被激活。

关键词 [衣原体,肺炎](#); [高脂血症](#); [心肌](#); [NF-κB](#); [转录因子AP-1](#)

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Effects of Chlamydia pneumoniae infection and hyperlipidemia on the expression of NF-κB and AP-1 in myocardium

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Abstract

AIM: To investigate the effects of Chlamydia pneumoniae infection and hyperlipidemia on the expression of NF-κB and AP-1 in the myocardium. METHODS: The indirect immunofluorescence method was used to examine wild C57BL/6J mice infected with Chlamydia pneumoniae and fed with an atherogenic diet. The expression of the subunit of NF-κB, P50, and c-Fos in the murine myocardium was observed. RESULTS: Chlamydia pneumoniae infection and hyperlipidemia induced the activation of NF-κB and AP-1 in murine myocardium. P50 and c-Fos were not detected in the controls, but there were different levels of positive expression in the experiments (P<0.01, compared to the controls). No statistical significance among the experiments was observed. CONCLUSION: In early time of Chlamydia pneumoniae infection and hyperlipidemia, the inflammatory pathway is already activated in the myocardium.

Key words [Chlamydia pneumoniae](#) [Hyperlipidemia](#) [Myocardium](#) [NF-kappa B](#) [Transcription factor AP-1](#)

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