

论文

铁屎米酮对大鼠心肌缺血再灌注损伤的保护作用

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摘要:

目的: 研究铁屎米酮对心肌缺血再灌注损伤的保护作用。方法: 大鼠左冠脉前降支结扎造成心肌缺血再灌注损伤。

结果: 铁屎米酮(5, 10及20 mg.kg⁻¹, ig)可显著降低缺血再灌性心律失常发生率, 缩短心律失常持续时间, 防止室颤的发生; 减少心肌丙二醛含量, 提高心肌超氧化物歧化酶活性; 减轻心肌细胞超微结构损伤。结论: 铁屎米酮对心肌缺血再灌注损伤有保护作用。

关键词: 铁屎米酮; 心肌再灌注损伤; 心律失常; 超氧化物歧化酶

PROTECTIVE EFFECT OF CANTHIN-6-ONE ON MYOCARDIAL ISCHEMIA-REPERFUSION INJURY IN RATS

Shi Mingjian ; Liu Weiwan ; Hu Lan; Wang HongyingYang Xiaoru and Yu Enxin

Abstract:

AIM: To study the effect of canthin-6-one (Can) on myocardial ischemia and reperfusion injury.

METHODS: The left coronary artery of the rat was ligated. RESULTS: Can (5, 10, 20 mg.kg⁻¹, ig) was shown to decrease the incidence of arrhythmia induced by ischemia and reperfusion, shorten the duration of ventricular arrhythmia, eliminate the incidence of ventricular fibrillation; increase the activities of superoxide dismutase (SOD), decrease the malondialdehyde (MDA) contents and alleviate the myocardial ultrastructure injury. CONCLUSION: Can has protective effect on the injury induced by myocardial ischemia and reperfusion.

Keywords: myocardial reperfusion injury arrhythmia superoxide dismutase canthin-6-one

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