

论著

小剂量氢化考的松对LPS攻击大鼠肝脏的保护作用

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摘要 目的: 探讨不同剂量氢化考的松对于LPS攻击大鼠肝脏的作用。方法: 建立大鼠LPS攻击模型, 并给予不同剂量的激素, 取血检测血浆ALT和AST, 并观察肝脏HE染色的形态学改变。结果: LPS组血ALT、AST水平明显高于正常组。各干预组ALT水平低于LPS组, 但高剂量HD组与LPS组间并无显著差异, 低剂量LD组与正常对照组间差异无显著。AST水平的改变是: HD组与LPS组间无显著差异, HD组与正常对照组差异显著, LD组与正常对照组差异显著。形态学上HD组与LPS组相似, 肝脏明显淤血, 肝细胞变性明显, 且有较多的炎性细胞浸润; LD组肝脏淤血明显轻于LPS组, 炎性细胞浸润及肝细胞变性也较轻。结论: 小剂量的氢化考的松对于LPS攻击大鼠的肝脏具有保护作用, 中剂量和高剂量的氢化考的松对肝脏无明显的保护作用。

关键词 [氢化考的松](#) [脂多糖类](#); [肝](#)

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Protective effect of low dose of hydrocortisone on the liver in LPS attack rats

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Abstract

AIM: To study the effect of different dosage of hydrocortisone on the liver in lipopolysaccharides(LPS) attack rats.
METHODS: The model of LPS attack rats was established, and different doses of hydrocortisone were given to the rats. ALT and AST levels in rat plasma were tested, and the histology of rat liver was observed by microscope.
RESULTS: ALT and AST levels were high in LPS group and had significant difference compared with the normal control group. ALT level in low dose(LD) group had no significant difference compared with the normal control group. The pathological change in the liver was obviously congested in high dose(HD) group and LPS group, many inflammatory cells were infiltrated. The change of liver in LD group was slight.
CONCLUSION: Low dose hydrocortisone may have the protective effect on liver in LPS attack rats. High dose and middle dose of hydrocortisone have no effects.

Key words [Hydrocortisone](#) [Lipopolysaccharides](#) [Liver](#)

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