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张 亮 邱有波 杨 拯 李禹呈 谢少华 龚 都 曹德琦 江明礼 梁 楠 张 晓

成都医学院临床医学系,成都,610081

基金项目:成都医学院创新性实验项目资助(CX2010036)

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摘要:

关键词: 脊髓损伤 电针 疏密波 连续波 断续波

The effect of electroacupuncture with different waveforms on the motor function recovery of spinal cord injury rats Download Fulltext

Clinical Medicine College, Chengdu Medical College, Chengdu, 610081

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Abstract:

Abstract Objective: To investigate the effects of electroacupuncture(EA) with different waveforms on motor function recovery in rats with spinal cord injury (SCI), and explore its' corresponding mechanism. Method: Forty-eight healthy adult rats were produced SCI model at T9 level and randomly divided into 4 groups: loose-dense wave EA group (group A), continuous wave EA group (group B), intermittent wave EA group (C group), model group (group D), each group with 12 rats (including male and female). At the 1st d, 3rd d, 7th d post operation BBB scores of hind limb function, tilted plane test, content of serum malondialdehyde (MDA), and activity of superoxide dismutase (SOD) were measured. Result: At the 1st d after SCI BBB scores in group A and group C were better than that in group D(P<0.05); the angle of tilted plane test in group A was higher than that in group D(P<0.05) and group C (P<0.01); at the 3rd d after SCI BBB scores in groups A, B, C were better than that in group D(P<0.05), the angle of tilted plane test in group A was significantly higher than that in group D(P<0.05); at the 7th d BBB scores in groups A, B, C were better than that in group D(P<0.05), the other two groups showed no significant difference. At the 1st d after SCI SOD activity in groups A, B, C compared with group D was significantly higher (P<0.05), MDA content compared with group D was significantly lower (P<0.01); at the 3rd d in groups A, B, C compared with group D SOD activity elevated significantly (P<0.05), that in group A, B, C were better than that in group D(P<0.05); at the 7th d SOD activity in group A, B, C were lower than that in group D(P<0.05); at the 7th d SOD activity in group A, B, C were better than that in group D(P<0.05); at the 7th d SOD activity in group A, B, C were better than that in group D(P<0.05); at the 7th d SOD activity in group A, B, C were better than that in group D(P<0.05); at the 7th d SOD activity in group A, B, C were better than that in group D(P<0.05); at the 7th d SOD activity in group A, B,

Keywords: spinal cord injury electroacupuncture loose-dense wave continuous wave intermittent wave

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