

兰宾尚, 彭军, 刘亦恒, 樊李瀛, 衡立松. 脊髓拴系综合征脊髓损伤和康复的实验研究[J]. 中国康复医学杂志, 2009, (2): 150-152

脊髓拴系综合征脊髓损伤和康复的实验研究 [点此下载全文](#)

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基金项目:

DOI:

摘要点击次数: 52

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摘要:

目的: 了解脊髓拴系综合征(TCS)脊髓损伤与终丝牵拉的关系及终丝松解后脊髓损伤的恢复情况, 为临床治疗提供理论支持。方法: 建立新型TCS慢性进行性终丝牵拉动物模型, 进行不同时间的牵拉后解除牵拉。通过诱发电位、透射电镜、病理切片等观察来了解脊髓损伤的程度与终丝牵拉时间的关系及不同时段脊髓损伤的恢复情况。结果: 猫终丝牵拉TCS随着牵拉时间的延长脊髓损伤加重; 猫终丝牵拉TCS在一定时间内随着终丝松解后时间的延长脊髓损伤恢复程度提高; TCS脊髓慢性牵拉损伤在代谢改变的基础上出现神经细胞功能和结构的改变。结论: TCS终丝松解越早脊髓损伤恢复越好, 手术应尽早进行。

关键词: [脊髓损伤](#) [终丝](#) [脊髓圆锥](#)

Experimental study of spinal injury and recovery in tethered cord syndrome [Download Fulltext](#)

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Fund Project:

Abstract:

Objective: To find out the relationship between spinal cord injury and filum terminale traction in tethered cord syndrome (TCS) and the condition of recovery. Method: New type of chronic and progressing filum terminale traction model of TCS was constructed and traction was removed after different times. The relationship between spinal cord injury and filum terminale traction in TCS and the condition of recovery were found out by means of evoked potential, electron microscope and pathological section. Result: Spinal cord injury aggravated along with lengthening drag time in cat TCS. Spinal cord injury recovered along with lengthening recovering time in cat TCS. The function and structure of neuron changed after metabolism changed along with chronic spinal drag injury of TCS. Conclusion: The earlier filum terminale was loosened the better spinal injury recovered. Operations should be carried out as soon as possible.

Keywords: [spinal injury](#) [filum terminale](#) [conus medullaris](#)

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