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腕管综合征的电生理分析及与身体质量指数的相关性 [点此下载全文](#)

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摘要:

摘要目的: 探讨88例腕管综合征(CTS)的电生理特点, 明确电生理检查的诊断价值。方法: 对88例门诊腕管综合征患者行一侧或双侧正中神经、尺神经的分段运动神经传导速度(MCV)和I、V、IV指刺激感觉神经传导速度(SCV)测定, 以及拇短展肌针极肌电图检查; 计算每一位患者身体质量指数(BMI)及正中神经与尺神经IV指刺激感觉神经动作电位(SNAP)波幅比值。结果: I、IV指刺激正中神经SNAP潜伏期延长者的百分比分别为59.1%与65.9%; 复合肌肉动作电位(CMAP)波幅降低者中拇短展肌肌电图异常者占87.2%; SNAP各参数正常者中有8例(72.7%)出现IV指刺激正中神经与尺神经波幅比值的异常, 各异常参数患者BMI值无显著性差异。结论: 神经电生理检查是诊断CTS的理想检测手段。

关键词: [神经电生理](#) [腕管综合征](#) [身体质量指数](#)

A study on electrophysiological characteristic of carpal tunnel syndrome in 88 patients and the correlation with BMI [Download Fulltext](#)

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Abstract:

Abstract Objective: To discuss the electrophysiological characteristic of carpal tunnel syndrome(CTS) in 88 patients and express the value of electromyography in the diagnosis of CTS. Method: Subsection motor nerve conduction velocity(MCV) and sensory nerve conduction velocity (SCV) of I、V、IV digits of one side or both side of median nerve and ulnar nerve and needle electromyography of short abductor of pollicis brevis were performed in 88 patients with CTS. Body mass index(BMI) and sensory nerve action potential (SNAP) amplitude ratio of IV digit median nerve and ulnar nerve were calculated in all patients. Result: The percentage of patients with lengthened latency of SNAP of median nerve of I、IV digits, were 59.1% and 65.9% respectively. In patients with reduced amplitude of compound muscle action potential (CMAP) 87.2% EMGs of short abductor of pollicis brevis were abnormal. In the patients with normal SNAP parameters, amplitude ratios of SNAPS of median nerve and ulnar nerve of IV digit were abnormal in 8 patients(72.7%). BMI had no significant difference in the abnormal patients. Conclusion: Neuroelectrophysiology examination is a optimal measure in diagnosing CTS.

Keywords: [neuroelectrophysiology](#) [carpal tunnel syndrome](#) [body mass index](#)

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