

## E-Pearl of the Week

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*August 12, 2009*

### **Commonly encountered limitations to nerve conduction studies:**

1. The small myelinated fibers are not recorded with standard nerve conduction studies (NCS). Hence, small fiber neuropathies will have normal NCS.
2. Lesions proximal to the dorsal root ganglia (such as in the nerve root, the spinal cord or the brain) have normal sensory NCS.
- 3.
4. Standard NCS in a group of patients with symptoms of carpal tunnel syndrome may be normal; hence a more sensitive study of comparison of the median nerve to another nerve in the same hand is required.

#### **Reference**

Preston DC and Shapiro BE, *Electromyography and Neuromuscular Disorders: Clinical-Electrophysiological Correlations*. Elsevier Butterworth Heinemann. 2<sup>nd</sup> edition.

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Dr. Karakis received funding to attend AAN Meetings in Seattle from an AAN scholarship and 3-day program on epilepsy from a J. Kiffin Penry Pediatric Epilepsy Program scholarship.