Laboratory and Electrophysiological Evaluation I

- CBC, chemistry panel, thyroid function studies, vitamin B12, folate, and CEA failed to discover a cause of the patient's neuropathy.
- Autoimmune studies (ESR, ANA, RA, SPEP) were normal.
- EMG of the upper limbs showed signs of a LMN lesion (fibrillations, positive sharp waves) in the right first dorsal interosseous and abductor digiti minimi muscles consistent with the diagnosis of a right ulnar mononeuropathy.

Laboratory and Electrophysiological Evaluation II

- Nerve conduction studies (NCS) showed a severe slowing of right ulnar nerve conduction velocity across the elbow.
- NCS showed normal right ulnar nerve conduction velocity below the elbow (below elbow to wrist segment of the nerve).



