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~~Michael Mullern DOB: 09/13/1970 (49 yrs. M)~~  
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Ref Prov: COHEN, DAWN, MD

Technologist: Abdaq Kayd, CNCT

ID: EMG3

Visit Date: 07/24/2020

### Vitals

Weight: 185 lbs.

Height: 68 in.

BMI: 28.1

**Influenza  
Vaccination  
Date:**

Influenza  
Vaccination  
Declined

**Pneumococcal  
Vaccination:**

**Smoking  
Status**

Non-smoker

**Current  
Medications**  
Reviewed With  
Patient

### PATIENT HISTORY:

The patient is a 49 year-old male with a positive family history for hereditary ALS (2 paternal uncles) who presents with his legs feeling stiff and the left foot dorsiflexion weak for the past 6 months and more recently, a diffuse, painless muscle twitching all over his body has developed. An EMG study is requested to rule out motor neuron disease.

### INTERPRETATION:

The patient's temperature was between 30 degrees C and 34 degrees C in the hands/feet unless otherwise noted throughout performance of the NCSs.

Left upper and left lower limb nerve conduction studies were normal except for low amplitude left tibial motor responses.

The needle examination demonstrated diffuse fasciculations (nearly all examined muscles), enlarged motor unit potentials, reduced recruitment in multiple muscles and fibrillation potentials in some left lower extremity and left thoracic paraspinal muscles (see the table below for details, affecting at least 2 regions: T, LS and partially C).

### IMPRESSION:

The test results are consistent with a diffuse actively denervating neurogenic disorder which meets the electrophysiological criteria (El Escorial) for lower motor neuron involvement in the appropriate clinical setting. Further exclusion of the alternative etiologies and detailed workup (MRI, genetic testing, etc.) are advised.

### RECOMMENDATIONS:

The patient was advised to follow-up with their referring physician.

Electronically Signed: ALES HLUBOCKY, M.D. on/at 07/29/2020 11:09:32