

## 62<sup>nd</sup> ANNUAL DIAGNOSTIC SLIDE SESSION 2021

### CASE 2021 [6]

Submitted by:

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#### Clinical History:

37 years old right-handed Caucasian male with a history of end stage renal disease status post two renal transplants has developed progressive bilateral hand weakness and muscle atrophy for two years, with no preceding trauma or illnesses. He is a body builder and is not able to grip the weight when weight lifting. He also has dysphagia, balance problems and poor vision. On exam, he has marked distal hand weakness and atrophy, extensors>flexors. He also has bulbar weakness and nasal dysarthria. He does not have proximal weakness or lower extremity distal weakness. EMG shows myopathy in hand and forearm muscles. A biopsy of extensor carpi radialis longus (ECRL) is performed.

Material submitted: One H&E and one Gomori trichrome slide

Points for discussion:

1. Differential diagnosis
2. Histochemical and EM findings