

SKULL AND SPINE

ROM: full

Tenderness: no facial or neck

Paravertebral Muscles:normal

MENTAL STATUS

- Orientation: Normal
- Fund of knowledge: Normal
- Attention/concentration: Normal
- Recent/remote memory:Normal
- Language: normal

OPHTHALMOSCOPIC

- Fundus/Optic discs/Posterior segments: Normal

CRANIAL NERVES -dysphonic

- II: Normal
- III, IV, VI: Normal
- V: normal
- VII: Normal
- VIII: Normal
- IX, X: Normal
- XI: Normal
- XII: Normal

MOTOR (Upper and lower extremities)

- Bulk/tone: The left leg with spastic.
Drift: none
- **STRENGTH**
Neck Flexion:
Deltoid: Left 5 and Right 5
Biceps: Left 5 and Right 5
Triceps: Left 5 and Right 5
Wrist extension: Left 5 and Right 5
Finger extension: Left 5 and Right 5
Finger flexion: Left 5 and Right 5
Finger abduction: Left 5 and Right 5
Thumb abduction: Left 5 and Right 5
Hip flexion: Left 1 and Right 5
Hip extension: Left 5 and Right 5
Quadriceps: Left 5 and Right 5
Hamstrings: Left 5 and Right 5
Ankle dorsiflexion: Left 1 and Right 5
Ankle plantarflexion: Left 1 and Right 5
Toe extension: Left 1 and Right 5
- **COORDINATION**
F/N: Normal
H/S: normal

REFLEXES

Jaw Jerk: normal

- Biceps: Left (+++) and Right (++)
- Triceps: Left (++) and Right (++)
- Brachioradialis: Left (+++) and Right (++)

Finger Flexors:

- Patellar: Left (+++) and Right (++)
- Achilles: Left (+++) and Right (++)

OTHER REFLEXES

- Plantar Response: Left Flexor and Right Flexor
Hoffman Sign:absent

- **SENSATION**

Vibration, proprioception, light touch and pinprick are all normal in the lower extremities.

STUDIES REVIEWED:

R. T10 paraspinal	Normal	None	None	None	Normal	Normal	Normal	Normal	Normal	Normal
R. Tongue	Normal	None	None	None	Normal	Normal	Normal	Normal	Normal	Normal

IMPRESSION:

1. Decreased activation can be seen in patients with an upper motor neuron process and that was making a 4 contraction due to pain or other causes.

2. Possible myopathy.

Please see my full clinical note

PROBLEM ESTABLISHED TO EXAMINER - worsening, additional w/u planned

PROBLEM/DIAGNOSIS: [REDACTED] is a 27 y.o. male who returns for follow up with rapidly progressive (starting in springtime 2023) left leg weakness with dysphonia and then exam showing spasticity, profound monoplegia and an EMG without clear

[REDACTED]

evidence of a lower motor neuron process, but rather it is most striking feature was reduced activation consistent with upper motor neuron dysfunction. The differential diagnosis includes primary progressive demyelinating disease, other primary disorders acting white matter such as sarcoid, or a degenerative such as primary lateral sclerosis.

As discussed with [REDACTED] and the patient, we will get an MRI of the brain with and without contrast in the cervical spine. He should also have an MRI of the thoracic spine. He is scheduled for a lumbar puncture looking for oligoclonal bands or other abnormalities. He should also have aquaporin 4 and anti MOG antibodies checked from the serum. I will be in contact with him once we have these additional studies.

[REDACTED]