

Visit Date: 7/21/2021 13:39
Age: 55 Years 0 Months Old
Height: 5 feet 10 inch

SNC

Nerve / Sites Rec. Site Onset Lat Peak Lat NP Amp PP Amp Segments Distance
Velocity Temp.
ms ms μ V μ V cm m/s °C
L Sural - Ankle (Calf)
Calf Ankle 3.33 4.22 13.7 9.4 Calf - Ankle 14 42 31
Ref. ?4.40 ?6.0 ?6.0 Ref. ?40

MNC

Nerve / Sites Muscle Latency Amplitude Rel Amp Duration Segments Distance
Lat Diff Velocity Temp.
ms mV % ms cm ms m/s °C
L Peroneal - EDB
Ankle EDB 4.64 3.5 100 9.38 Ankle - EDB 9
Ref. ?6.50 ?2.0 Ref.
Fib head EDB 11.82 3.0 87.3 10.52 Fib head - Ankle 32 7.19 45 31
Ref. Ref. ?44
Pop fossa EDB 13.96 2.1 70.2 10.57 Pop fossa - Fib head 10 2.14 47 31
L Tibial - AH
Ankle AH 4.17 11.2 100 6.61 Ankle - AH 8 31
Ref. ?5.80 ?4.0 Ref.

EMG

EMG Summary Table

Spontaneous MUAP .

Muscle Nerve Roots IA Fib PSW Fasc Other Recruit Effort Dur. Amp PPP
Comment

L. Extensor hallucis longus Deep peroneal (Fibular) L5-S1 N None None None
None N N N N N

L. Peroneus longus Perineal L5-S1 N None None None None N N N N N

L. Gastrocnemius Tibial S1-S2 N None None None None N N N N N

L. Vastus medialis Femoral L2-L4 N None None None None N N N N N

Summary

The motor conduction test was normal in all 2 of the tested nerves: L Peroneal - EDB, L Tibial - AH.

The sensory conduction test was normal in all 1 of the tested nerves: L Sural - Ankle (Calf).

The needle EMG study was normal in all 4 tested muscles: L. Extensor hallucis longus, L. Peroneus longus, L. Gastrocnemius, L. Vastus medialis.

x 1st EMG ☐ 2nd EMG ☐ 3rd EMG Other ?????

Clinical Note:

This 55 yo M has noted extremity cramping, worse in the left lower extremity, over the past 3 months.

Impression:

This is a normal study, with no electrodiagnostic evidence of a large-fiber polyneuropathy, left lower extremity mononeuropathies, or other denervating condition.