

Patient ID SA00105173	Patient Name TESTINGRNV, TESTINGPNBX	Birth Date 1983-10-24	Gender F	Age 34
Order Number SA00105173	Client Order Number SA00105173	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 07 Mar 2018 14:00		

Peripheral Nerve Path Consult

Case Number PR-18-83

Interpretation

MCR

Paraffin: Paraffins are cut and stained with HandE, Masson's trichrome, Luxol fast blue-periodic acid Schiff's, Congo red, methyl violet, Turnbull's blue. Approximately 11 fascicles are present. Myelinated fiber density is normal for age. Scattered individual perivascular mononuclear cells are present adjacent to epineurial vessels. Perineurium is unremarkable. No amyloid is found in Congo red or methyl violet preparations. No hemosiderin deposits are seen on Turnbull's blue staining.

Teased Fiber: There are 75 classifiable fibers. The frequency of pathologic abnormalities of teased fibers is probably borderline for age. The frequency of condition is: normal (type A) 66 (88%); demyelination and remyelination (type D) 1 (1%); axonal degeneration (type E) 1 (1%); segmental remyelination (type F) 6 (8%); myelin reduplication (type G) 1 (1%). The number of empty strands is 26.

Semithin Epoxy: Epoxys are cut and stained with methylene blue. Myelinated fiber density and size distribution are normal for age. Perineurium is unremarkable. Pending.

Immunohistochemistry:

Paraffins are cut and stained with CD-68 (KP-1) and CD-45 (LCA). Immunohistochemical studies show scattered individual epineurial perivascular inflammatory cells and rare single endoneurial inflammatory cells with CD-45 (leukocyte common antigen) positivity. Immunohistochemical studies show reactivity of very rare endoneurial cells to a macrophage (CD-68) preparation.

Diagnosis:

1. Nerve Fibers: Normal density of myelinated nerve fibers. Borderline increased number of empty nerve strands.

2. Interstitial: No significant interstitial abnormalities.

Interpretation: A definite neuropathic abnormality is not found. There are no significant interstitial changes. Clinical correlation is advised.

Participated in the Interpretation

MCR

Interpreted by: JON VELANDER

Report electronically signed by

MCR

Jennifer Pettengill

I verify that I have examined all relevant slides/materials for the specimen(s) and rendered or confirmed the diagnosis.

Gross Description

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Received 3 segments designated as right sural nerve. One segment 1.6 cm x 0.3 cm in 0.025M phosphate buffer for paraffin embedding is cut and stained with HandE, Masson's trichrome, Luxol fast blue-periodic acid Schiff's, Congo red, methyl violet, Turnbull's blue, CD-68 (KP-1) and CD-45 (LCA). One segment 0.3 cm x 0.3 cm in 0.15M cacodylate buffer for epoxy embedding is cut and stained with methylene blue. One segment 0.7 cm x 0.3 cm in 0.15 cacodylate buffer for teased fiber analysis.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292



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Disclaimer

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This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Received: 08 Mar 2018 16:52

Reported: 13 Mar 2018 08:52

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MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292