

F-wave Diagnostics, LLC
341 Smith Road
Lake Ronkonkoma, NY 11779
631-455-1562

Patient: Doe, Jane
DOB: 8/1/1947
Sex: Female
Ref: Mendelsohn, M.D.
Site: # 327

Chief Complaint:

Patient is a 66 year old Female who presents with back pain, numbness, tingling and weakness radiating to the bilateral lower extremities.

EMG

Side	Muscle	Nerve	Root	Ins Act	Fibs	Psw	Amp	Dur	Poly	Recrt	Int Pat	Comment
Right	LatGastroc	Tibial	S1-2	Nml	2+	Nml	Nml	Nml	0	Nml	Nml	
Right	MedGastroc	Tibial	S1-2	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	AntTibialis	Dp Br Peron	L4-5	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	RectFemoris	Femoral	L2-4	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	Ext Dig Brevis	Peroneal	L5-S1	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	LatGastroc	Tibial	S1-2	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	MedGastroc	Tibial	S1-2	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	AntTibialis	Dp Br Peron	L4-5	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	RectFemoris	Femoral	L2-4	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	Ext Dig Brevis	Peroneal	L5-S1	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	

Motor Nerves

Site	NR	Onset (ms)	Norm Onset (ms)	O-P Amp (mV)	Norm Amp (mV)	Neg Dur (ms)	Segment Name	Delta-O (ms)	Dist (cm)	Vel (m/s)	Norm Vel (m/s)
Right Peroneal (EDB)											
Ankle		3.67	<5.5	3.20	>2.5	4.30	B Fib-Ankle	6.72	27	40.18	>40.0
B Fib		10.39		3.00		4.30					
Right Tibial (AHB)											
Ankle		4.92	<6.0	3.89	>3.0	4.45	Knee-Ankle	7.73	34	43.98	>41.0
Knee		12.66		2.15		4.92					
Left Peroneal (EDB)											
Ankle		4.14	<5.5	2.01	>2.5	4.53	B Fib-Ankle	6.56	27	41.16	>40.0
B Fib		10.70		1.51		5.55					
Left Tibial (AHB)											
Ankle		5.78	<6.0	2.10	>3.0	5.00	Knee-Ankle	7.66	34	44.39	>41.0
Knee		13.44		0.33		4.92					

Sensory Nerves

Site	NR	Peak (ms)	Norm Peak (ms)	P-T Amp (μ V)	Norm Amp (μ V)	Segment Name	Delta-P (ms)	Dist (cm)	Vel (m/s)	Norm Vel (m/s)
Left Sural (Lat Mall)										
14 cm	NR		<4.0		>75.0					
Left Sup Peron (Ant Lat Mall)										
14 cm	NR		<4.6		>5.0					
Right Sural (Lat Mall)										
14 cm	NR		<4.0		>75.0					
Right Sup Peron (Ant Lat Mall)										
14 cm	NR		<4.6		>5.0					

FWave/HReflex

NR	Lat1 (ms)	Lat2 (ms)	Delta (ms)	Amp (μ V)	Lat Norm
Right Peroneal-F (EDB)					
	44.38	4.22	40.16		<57
Right Tibial-F (AHB)					
	46.08	5.62	40.46		<57
Left Peroneal-F (EDB)					
	44.18	4.02	40.16		<57
Left Tibial-F (AHB)					
	46.18	7.43	38.75		<57
Right Tibial H (Gastroc)					
	29.92	4.42	25.50		<35
Left Tibial H (Gastroc)					
	30.12	5.22	24.90		<35

Summary and Findings:

The bilateral sural and superficial peroneal sensory nerves revealed absent distal latency, absent amplitude and absent conduction velocity.

Impression:

The above electrodiagnostic study reveals evidence of a sensory neuropathy of bilateral lower extremities additionally the above study reveals evidence of right S1 lumbar radiculopathy as seen in the EMG portion of the selected muscles above, further correlation with MRI imaging is recommended

Board Certified Neurologist

Electronically Signed

Date:

Time:

Tested By:

Abdel Deraz

Clinical Neurophysiology

Active Member ABRET





