

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

Patient: Doe, John
DOB: 9/17/1950
Sex: Male
Ref: Smith, M.D.
Site: # 111

Chief Complaint:

Patient is a 63 year old Male who presents with neck pain, numbness, tingling and weakness radiating to the bilateral upper extremities.

EMG

Side	Muscle	Nerve	Root	Ins Act	Fibs	Psw	Amp	Dur	Poly	Recrt	Int Pat	Comment
Left	Deltoid	Axillary	C5-6	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	Biceps	Musculocut	C5-6	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	Triceps	Radial	C6-7-8	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	Abd Poll Brev	Median	C8-T1	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Left	ABD DigMinimi	Ulnar	C8-T1	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	Deltoid	Axillary	C5-6	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	Biceps	Musculocut	C5-6	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	Triceps	Radial	C6-7-8	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	Abd Poll Brev	Median	C8-T1	Nml	Nml	Nml	Nml	Nml	0	Nml	Nml	
Right	ABD DigMinimi	Ulnar	C8-T1	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 Median (Abd Poll Brev)											
Wrist		6.72	<4.2	5.36	>5.0	7.03	Elbow-Wrist	3.67	16	43.60	>50.0
Elbow		10.39		6.73		7.42					
Right Ulnar (Abd Dig Min)											
Wrist		3.59	<4.2	7.47	>3.0	6.80	B Elbow-Wrist	3.36	19	56.55	>53.0
B Elbow		6.95		6.87		7.81					
Left Median (Abd Poll Brev)											
Wrist		5.47	<4.2	3.19	>5.0	6.25	Elbow-Wrist	3.59	16	44.57	>50.0
Elbow		9.06		3.05		6.17					
Left Ulnar (Abd Dig Min)											
Wrist		3.20	<4.2	6.30	>3.0	6.41	B Elbow-Wrist	3.36	19	56.55	>53.0
B Elbow		6.56		5.87		6.64					

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)
Right Median Anti (2nd Digit)										
Wrist		4.19	<4.0	11.77	>10.0	Wrist-2nd Digit	4.19	15	35.80	>40.0
Right Ulnar Anti (5th Digit)										
Wrist		2.56	<3.7	19.60	>15.0	Wrist-5th Digit	2.56	15	58.59	>50.0
Left Median Anti (2nd Digit)										
Wrist		4.16	<4.0	3.64	>10.0	Wrist-2nd Digit	4.16	15	36.06	>40.0
Left Ulnar Anti (5th Digit)										
Wrist		2.94	<3.7	12.85	>15.0	Wrist-5th Digit	2.94	15	51.02	>50.0

FWave/HReflex

NR	Lat1 (ms)	Lat2 (ms)	Delta (ms)	Amp (μ V)	Lat Norm
Right Median-F (APB)					
	31.33	7.53	23.80		<35
Right Ulnar-F (ADM)					
	27.81	3.92	23.89		<35
Left Median-F (APB)					
	29.02	5.62	23.40		<35
Left Ulnar-F (ADM)					
	27.01	3.61	23.40		<35

Summary and Findings:

The right median motor nerve revealed prolonged distal latency, normal amplitude and decreased conduction velocity. The left median motor nerve revealed prolonged distal latency, decreased amplitude and decreased conduction velocity. The right median sensory nerve revealed prolonged distal latency, normal amplitude and decreased conduction velocity. The left median sensory nerve revealed prolonged distal latency, decreased amplitude and decreased conduction velocity.

Impression:

The above electrodiagnostic study reveals evidence of a bilateral carpal tunnel syndrome (median nerve entrapment at wrist) affecting sensory and motor components.

Board Certified Neurologist

Electronically Signed

Date:

Time:

Tested By:

Abdel Deraz

Clinical Neurophysiology

Active Member ABRET

Patient: Doe, John

Test Date: 12/13/2013

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