

CLINICAL NEUROPHYSIOLOGY LABORATORY CAPITOL MEDICAL CENTER, INC

Quezon Ave. Cor. Sct. Magbanua Barangay Paligsahan, Quezon City
372-38-25 TO 44

ELECTROMYOGRAPHY

Name: SALVADOR, MARIE GRACE (DELA CRUZ)	Patient ID: 2023-502
Address: 456 Rose St. MAIbingf Matanda Pandi b	Date of Birth: 1/16/1982
Room No. Out-patient	Age/Gender: 41 y/Female
Hospital No. 134804	Date of Exam: 8/14/2023 2:57 PM
Referring Physician: Dr. Narciso Fernandez	Charge Ticket No. -
Examining Physician: Dr. Consuelo Macalalad	OR No./HMO: 500439913

Patient History:

Motor Nerve Conduction:

Nerve and Site	Latency	Amplitude	Segment	Latency Difference	Distance	Conduction Velocity
Median.L						
Wrist	3.1 ms	11.3 mV				
Elbow	6.5 ms	11.0 mV	Wrist-Elbow	3.4 ms	190 mm	56 m/s
Ulnar.L						
Wrist	1.9 ms	11.2 mV				
Below elbow	5.4 ms	11.1 mV	Wrist-Below elbow	3.5 ms	225 mm	64 m/s
Above elbow	6.9 ms	11.1 mV	Below elbow-Above elbow	1.5 ms	100 mm	67 m/s

Median.R

Wrist	2.6 ms	10.8 mV				
Elbow	6.3 ms	10.5 mV	Wrist-Elbow	3.7 ms	193 mm	52 m/s

Ulnar.R

Wrist	2.1 ms	11.0 mV				
Below elbow	5.4 ms	10.5 mV	Wrist-Below elbow	3.3 ms	220 mm	67 m/s
Above elbow	6.8 ms	10.1 mV	Below elbow-Above elbow	1.4 ms	90 mm	64 m/s

F-Wave Studies:

Nerve	F-Latency
Median.L	23.1
Ulnar.L	22.1
Median.R	23.2
Ulnar.R	22.3

Sensory Nerve Conduction:

Nerve and Site	Onset Latency	Peak Latency	Amplitude	Segment	Latency Difference	Distance	Conduction Velocity
Median.L							
Digit II	1.7 ms	2.1 ms	19 μ V	Wrist-Digit II	1.7 ms	100 mm	57 m/s
Palm	1.1 ms	1.4 ms	48 μ V	Wrist-Palm	1.1 ms	55 mm	51 m/s
Wrist-Elbow	2.5 ms	3.0 ms	10 μ V	Wrist-Wrist-Elbow	2.5 ms	165 mm	67 m/s
Ulnar.L							
Digit V	1.3 ms	1.9 ms	13 μ V	Wrist-Digit V	1.3 ms	85 mm	64 m/s

Median.R

Digit II	1.7 ms	2.1 ms	10 μ V	Wrist-Digit II	1.7 ms	105 mm	61 m/s
Palm	1.0 ms	1.3 ms	44 μ V	Wrist-Palm	1.0 ms	58 mm	60 m/s
Wrist-Elbow	2.3 ms	3.0 ms	9 μ V	Wrist-Wrist-Elbow	2.3 ms	155 mm	69 m/s

Ulnar.R

Digit V	1.4 ms	2.0 ms	11 μ V	Wrist-Digit V	1.4 ms	87 mm	62 m/s
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Needle EMG Notes:

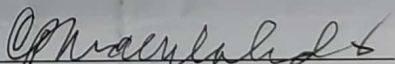
Muscle	Insertional Activity	Spontaneous Activity			Motor Unit Potentials
		Fibs	PSW	Fasc	
Upper Limb					
Deltoid.L	Normal	None	None	None	Number of voluntarily activated motor unit potentials in all muscles sampled is normal. Generally, activated MUPs are of normal form, amplitude and duration.
Biceps.Brachii.L	Normal	None	None	None	
Pronator Teres.L	Normal	None	None	None	
Flexor Carpi Radialis.L	Normal	None	None	None	
Extensor Digitorum Communis.L	Normal	None	None	None	
First Dorsal Interosseous.L	Normal	None	None	None	
Cervical Paraspinals					
Left	C5-C6	Increased	None	+1	Motor unit potentials seen were normal.
	C6-C7	Normal	None	None	

Findings:

1. Normal median motor and sensory conduction studies.
2. Normal ulnar motor and sensory conduction studies.
3. Median and ulnar F wave latencies and dispersion are within reference range.
4. Needle EMG study showed the presence of neuropathic changes in the left cervical paraspinal muscles at the level of C6-C7. No spontaneous activity was recorded on the muscles of the left upper limb.

Conclusion:

This is an abnormal EMG-NCV study showing evidence for an early C6 radiculopathy, left. There is no evidence for a median entrapment neuropathy.


 CONSUELO P. MACALALAD, M.D.
 Electromyographer

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