

UCSD Neurology

EMG/NCV Lab Report

Patient: Hollifield, Rick A
UCSD MR#: 178 58 66-3

Requested by Abrams / 04915	Site of Study UCSD Medical Center - Hillcrest	Sex: M	DOB: 01/22/1965
Exam Requested: Left upper extremity- 9/19/00			
Reason for Referral: Neuritis at wrist			

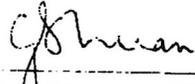
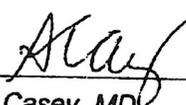
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Report

1. Bilateral median motor studies are normal.
2. The left median digital sensory study shows decreased amplitude of 1/3 of the right side with normal conduction velocity.
3. The left median palmar sensory study is normal.
4. The left ulnar digital sensory study shows decreased amplitude that is 1/2 of the right side with normal conduction velocity.
5. The left dorsal cutaneous ulnar nerve shows decreased amplitude with normal conduction velocity.
6. The left median sensory study recording from the elbow and stimulating at the wrist shows an amplitude that is slightly less than 1/2 of the right side with normal conduction velocity.
7. The left ulnar motor study is normal.
8. The right ulnar digital sensory study is normal.
9. The right median digital sensory study is normal.

IMPRESSION:

This study is abnormal with decreased left sensory amplitudes of the median and ulnar nerves compared with the right side indicating that axonal loss of about 50% has occurred. The localization is not entirely clear for each nerve but it appears that there is more involvement at the wrist, with some involvement in the forearm (? from the compartment syndrome). The median sensory nerve is more severely affected than the ulnar sensory nerve.



Geoffrey Sheean, MBBS / Anne Casey, MD
Staff neurologist

UCSD- EMG DEPARTMENT - Hillcrest
Dr. Geoffrey Sheean
EMGI

Patient: Hollifield Rick
 I.D.#: 1785866

Physician: Casey
 Test Date: 09/19/00

History/Comments:

Multiple surgeries status post trauma 1996 with fracture of distal radius on the left with residual numbness and weakness of left hand

Motor Nerve Study

Left Median Nerve
 Rec Site: APB Lat (ms) Amp (mV) Dist (mm) C.V. (m/s)
 STIM SITE
 Wrist (med) 3.4 9.0
 Elbow 7.3 8.5 230 59.4

Right Median Nerve
 Rec Site: APB Lat (ms) Amp (mV) Dist (mm) C.V. (m/s)
 STIM SITE
 Wrist (med) 3.9 9.7
 Elbow 8.3 8.0 260 58.2

Left Ulnar Nerve
 Rec Site: ADM Lat (ms) Amp (mV) Dist (mm) C.V. (m/s)
 STIM SITE
 Wrist (uln) 2.7 9.0
 Below Elbow 5.6 7.8 180 61.3
 Ab. Elbow 7.3 7.8 100 57.6

Sensory Nerve Study

Left Median Nerve
 Rec Site: Wrist (med) Lat (ms) Pk LAT (ms) Amp (uV) Dist (mm) C.V. (m/s)
 STIM SITE
 Index 2.5 3.2 6.0 140 56.7
 Mid Palm 1.2 2.0 26.7 80 64.8

Left Median Nerve
 Rec Site: Elbow (med) Lat (ms) Pk LAT (ms) Amp (uV) Dist (mm) C.V. (m/s)
 STIM SITE
 wrist (med) 3.2 4.1 23.0 215 67.1

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Sensory Nerve Study

Left Median Nerve

Rec Site: Wrist (med) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
3.5	4.1	21.7	230	65.0

Right Median Nerve

Rec Site: Wrist (med) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
Index	2.6	3.2	18.0	145
				55.0

Right Median Nerve

Rec Site: Wrist (med) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
3.6	4.3	39.7	230	63.3

Left Ulnar Nerve

Rec Site: Wrist (uln) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
5th dig	2.0	2.6	8.0	115
				56.5

Right Ulnar Nerve

Rec Site: Wrist (uln) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
5th dig	2.1	2.7	15.7	115
				54.7

Right Ulnar Nerve

Rec Site: Dorsal (uln) Lat (ms)	Pk LAT (ms)	Amp (uV)	Dist (mm)	C.V. (m/s)
STIM SITE				
wrist (uln)	1.4	2.2	3.7	100
				71.4