

# 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			

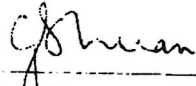
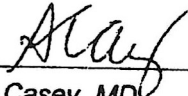
**COPY**

### 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

Patient: Hollifield Rick  
I.D.#: 1785866

Test Date: 09/19/00

### 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