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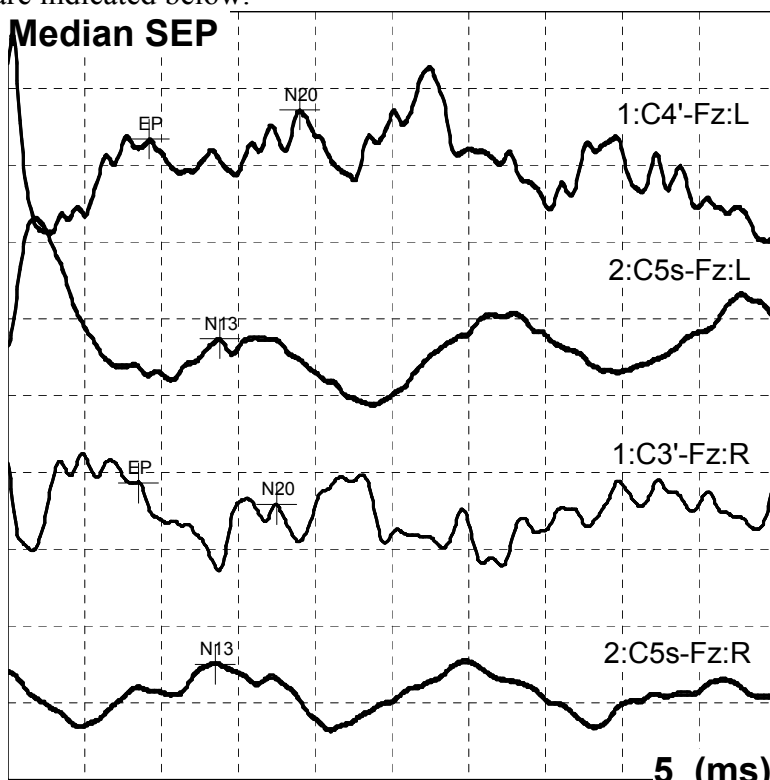
Patient: Doe, John
DOB: 11/17/1940
Sex: Male
Ref: Smith, M.D.
Site: # 111

Somatosensory Evoked Potential of the Median Nerve Report

Somatosensory Evoked Potential (SSEP) is a response elicited by stimulating a peripheral nerve and recording the response as it is transmitted along the nerve pathway, including the peripheral nerve, nerve root, spinal cord, brainstem, and the sensory cortex. SSEP is a useful neurodiagnostic test for the neurological evaluation of sensorimotor signs and symptoms. It is the most useful electrodiagnostic test for identifying dysfunction in the spinal cord, brainstem and sensory cortex. SSEP, NCV/EMG and imaging studies provide diagnostic information which complements each other.

Upper extremity SSEP was elicited by stimulating the median nerve at the wrist. Simultaneous recordings at Erb's Point, the cervical spine, and parietal scalp, were performed. The clavicular SSEP (Erb's point potential, N9), cervical SSEP (N13), far field SSEP recorded between the scalp and non-cephalic reference electrodes, and scalp SSEP recorded between scalp and cephalic reference electrodes (N20) were elicited.

RESULTS: Standard protocol for SSEP was followed. The evoked waveforms, peak latencies, amplitudes, and interpeak latencies are indicated below.



Median SEP

Trial	N20 (ms)	N13 (ms)	EP (ms)	EP-N20 (ms)	EP-N13 (ms)	N13-N20 (ms)
Norm	<22.1	<16.3	<12.0	<10.9	<5.2	<6.8
Avg : R	17.50	13.52	8.52	8.98	5.00	3.98
l : L	18.98	13.75	9.22	9.77	4.53	5.23
L-R Norm	<1.8	<1.5	<0.7	<0.8	<0.7	<1.1
L-R	1.48	0.23	0.70	0.78	0.47	1.25

IMPRESSION: Analysis of peak latency, amplitude and interpeak latency was performed and compared to the normative values. Testing conditions and subject variables were considered. The impression is as follows:

Normal Median nerve SSEP Study.

Board Certified Neurologist

Electronically Signed

Date:

Time:

Tested By:

Abdel Deraz

Clinical Neurophysiology

Active Member ABRET