

EEG/EP Patient Report

Physician/Practice Information:

[REDACTED]

Study Technician:

[REDACTED]

Ordering Physician:

[REDACTED]

Signature

Patient Information:

Name:

[REDACTED]

ID:

[REDACTED] 6

Birth Date:

[REDACTED]

Study Information:

Order Notes:

Data-Set ID:

13962

Date Uploaded:

01/30/2019

Test Notes:

Study Findings:

Task Performance demonstrated moderately decreased Button Press Accuracy and moderately increased False Alarms, but the Median Reaction Time was normal.

N200 Amplitude and Average Amplitude are low, and the Latency is delayed, consistent with impaired overall cognitive function.

P3b Average Amplitude is low, consistent with impaired stimulus evaluation and classification speed, but the Amplitude and Latency are in the normal range.

P3a Average Amplitude is low, consistent with impaired executive function.

Peak Alpha Frequency is low consistent with impaired cognitive performance.

No Right-Left Asymetry in waveforms is noted.

Clinical information provided by the referring healthcare provider indicates that the patient was involved in a motor vehicle accident on 12/8/18 with brief loss of consciousness. She currently reports headaches, neck pain, memory impairment and anxiety.

Clinical Impression: This EEG/ERP study demonstrates impairment in cognitive function which is most likely related to traumatic brain injury in the described motor vehicle accident.

David W. Brandes, MS, MD, FAAN, FAHA

Study Protocol:

Auditory_Oddball_Active_3_01

<i>Test Name</i>	<i>Test Description</i>	<i>Patient Instructions</i>
Auditory_Oddball_Training_2_01		Press button with your dominant hand (red button for right-handed and blue button for left-handed) when you hear the high-pitched tone.
Auditory_Oddball_Active_3_01		Press button with your dominant hand (red button for right-handed and blue button for left-handed) when you hear the high-pitched tone.
EEG	EEG capture	

Physician/Practice Information:		Patient Information:	
[REDACTED]		Name: [REDACTED]	
Study Technician: [REDACTED]		ID: [REDACTED]	
Treating Physician: [REDACTED]		Birth Date: [REDACTED]	
		Study Information:	
		Order Notes:	
		Date Uploaded: 01/30/2019	

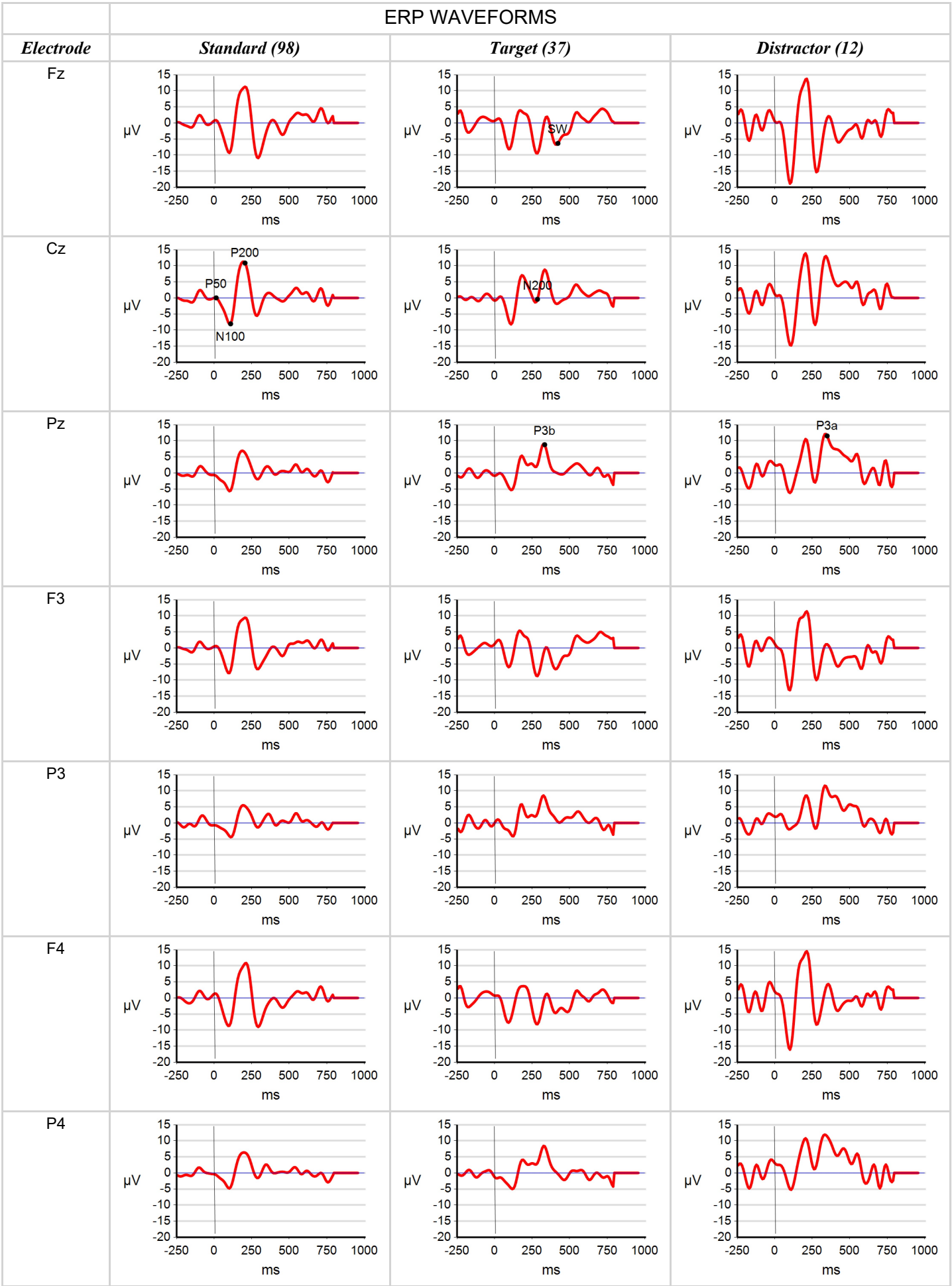
Test Name:
Auditory_Oddball_Active_3_01

TASK PERFORMANCE

<i>Feature</i>	<i>Value</i>
Button Press Accuracy (%)	65.0
False Alarms (%)	9.1
Median Reaction Time (ms)	432.0

ERP FEATURES

<i>Feature</i>	<i>Stimulus</i>	<i>Amplitude (μV)</i>	<i>Latency (ms)</i>	<i>Avg Amplitude (μV)</i>
P50	Standard	0.49	11.4	-2.09
N100	Standard	-6.98	102.9	-5.63
P200	Standard	8.58	200.0	7.16
N200	Target	-3.02	278.9	1.09
P3b	Target	6.99	332.8	0.70
SW	Target	-3.96	416.0	-0.86
P3a	Distractor	8.02	347.4	2.89



Physician/Practice Information:

[Redacted]

Study Technician: [Redacted]

Treating Physician: [Redacted]

Patient Information:

Name: [Redacted]

ID: [Redacted]

Birth Date: [Redacted]

Study Information:

Order Notes:

Date Uploaded: 01/30/2019

Test Name:

EEG

EEG FEATURES

<i>Feature</i>	<i>Peak Frequency</i>	<i>Power</i>
Peak Alpha	8.30	143.9

EEG POWER SPECTRUM

