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QEEG Clinical Report

BrainLens V0.4

Report Description



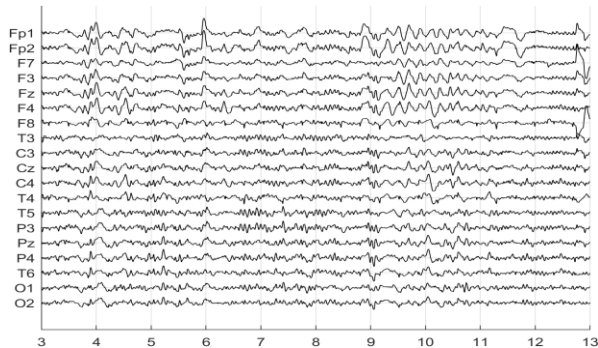
Personal & Clinical Data

Name	Maryam Azad	Date of Recording	27-Oct-2024
Date of Birth - Age	23-Mar-1961 - 63.59	Gender	Female
Handedness(R/L)	Right	Source of Referral	Dr Sahraian
Initial Diagnosis	Anxiety-Alzheimer		
Current Medication	Medication Free		

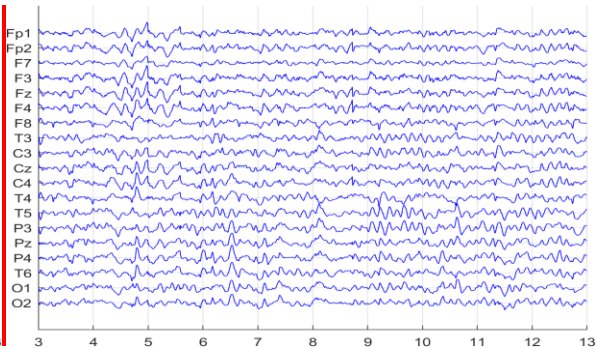
Dr Sahraian

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



Rejected Channels



Number of Eye and Muscle Elements

Eye	2	Muscle	0
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Total Artifact Percentage



EEG Quality	good
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Low Artifact Percentage



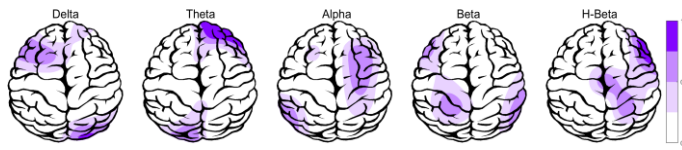
High Artifact Percentage



Total Recording Time Remaining	291.02 sec
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Pathological assessment for Dementia

Compare to Dementia Database



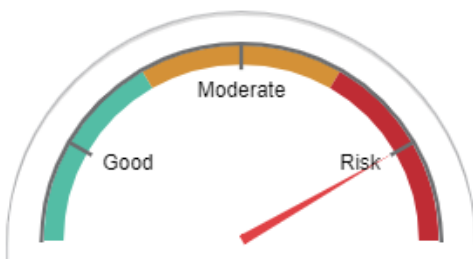
Dementia Probability

Dementia Table	EO	
Feature Name	Threshold	Region
Increased rDelta	1.00	LF-RF-MF-LT-RT-C-P-O-
Increased rTheta	2.00	LF-RF-MF-LT-RT-C-P-O-
Decreased rAlpha	-1.00	LF-RF-MF-LT-RT-C-P-O-
Decreased rBeta	-3.00	LF-RF-MF-LT-RT-C-P-O-
Increased T/A Ratio	3.00	LF-RF-MF-LT-RT-C-P-O-
Increased D/A Ratio	2.00	LF-RF-MF-LT-RT-C-P-O-
Decreased (D+T+A+B) Coherence	-0.50	Decreased global Coherence

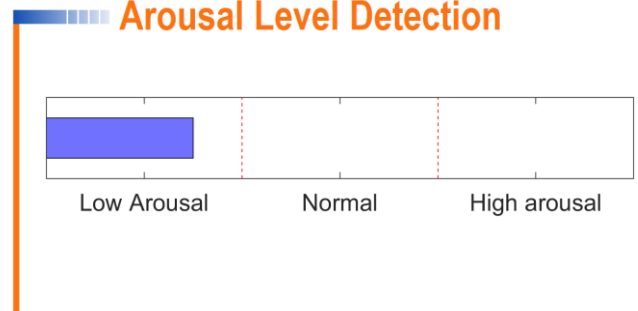
Dementia Compatibility

Dementia Probability

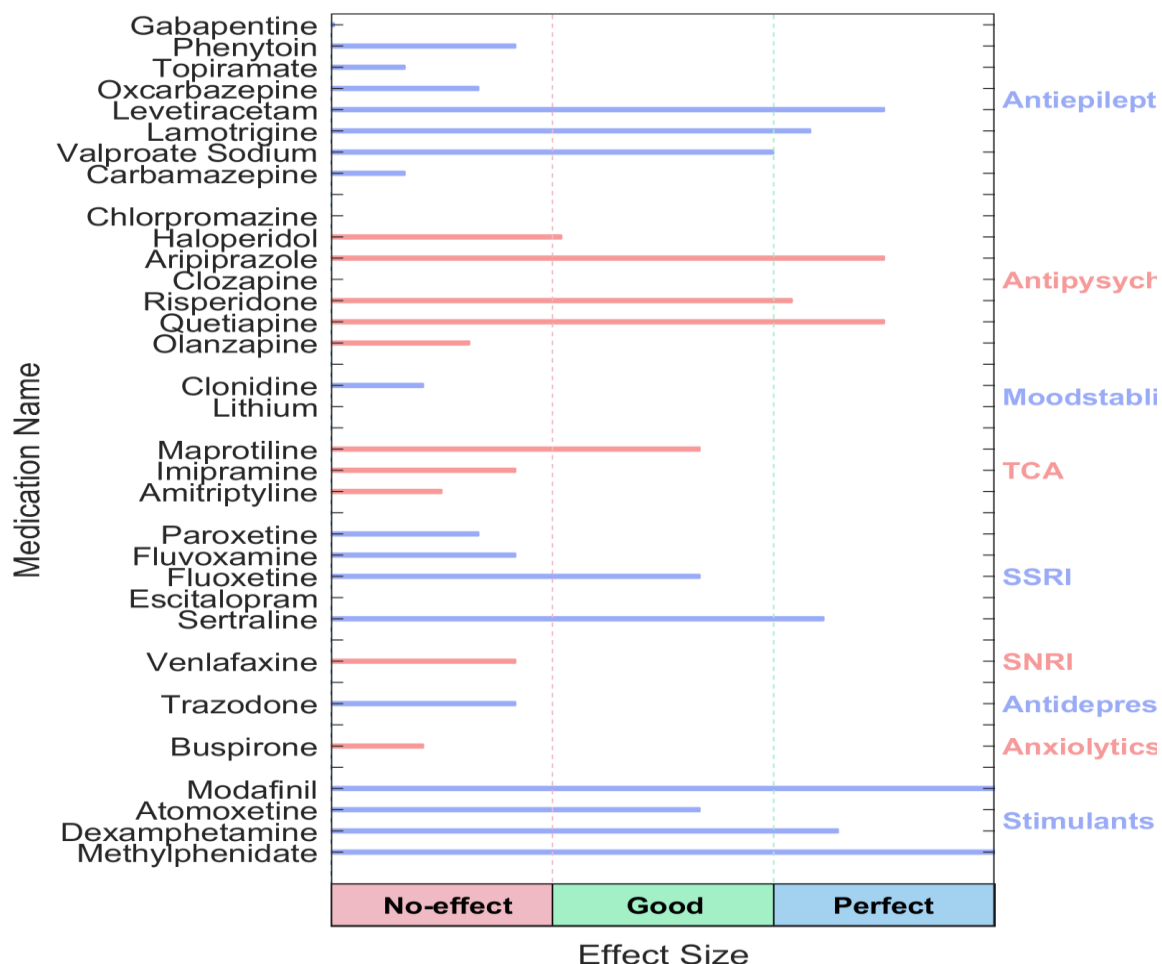
Cognitive Impairment Severity



Arousal Level Detection



QEEG based predicting medication response



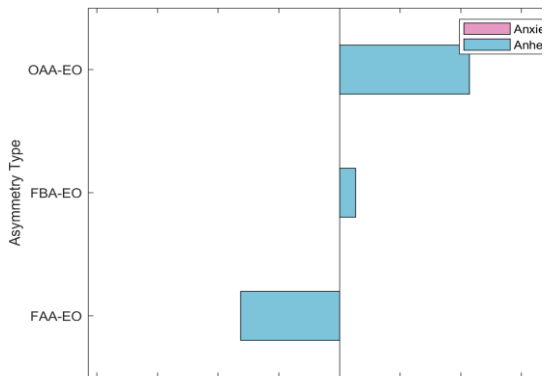
Explanation

These two tables can be considered the most important finding that can be extracted from QEEG. To prepare this list, the NPCIndex Article Review Team has studied, categorized, and extracted algorithms from many authoritative published articles on predict medication response and Pharmacology EEG studies. These articles are published between 1970 and 2021. The findings extracted from this set include 85 different factors in the raw band domains, spectrum, power, coherence, and loreta that have not been segregated to avoid complexity, and their results are shown in these diagrams. One can review details in NPCIndex.com .

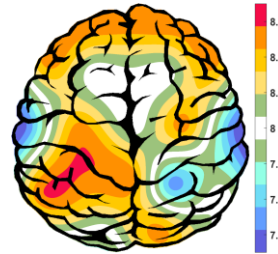
Medication Recommendation

These two charts, calculate response probability to various medications, according only to QEEG indicators. Blue charts favor drug response and red charts favor drug resistance. The longer the bar, the more evidence there is in the articles. Only drugs listed in the articles are listed. These tables present the indicators reviewed in the QEEG studies and are not a substitute for physician selection.

Alpha Asymmetry(AA)



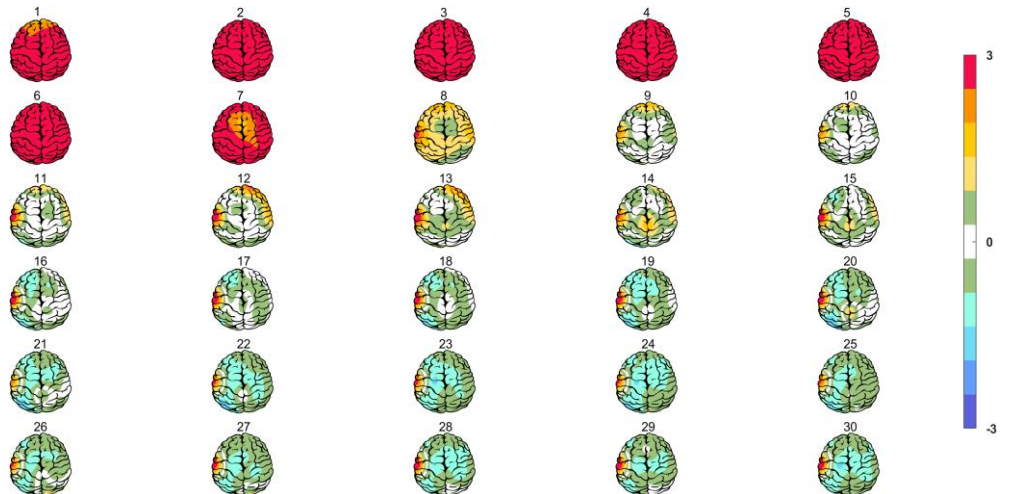
APF(EO)



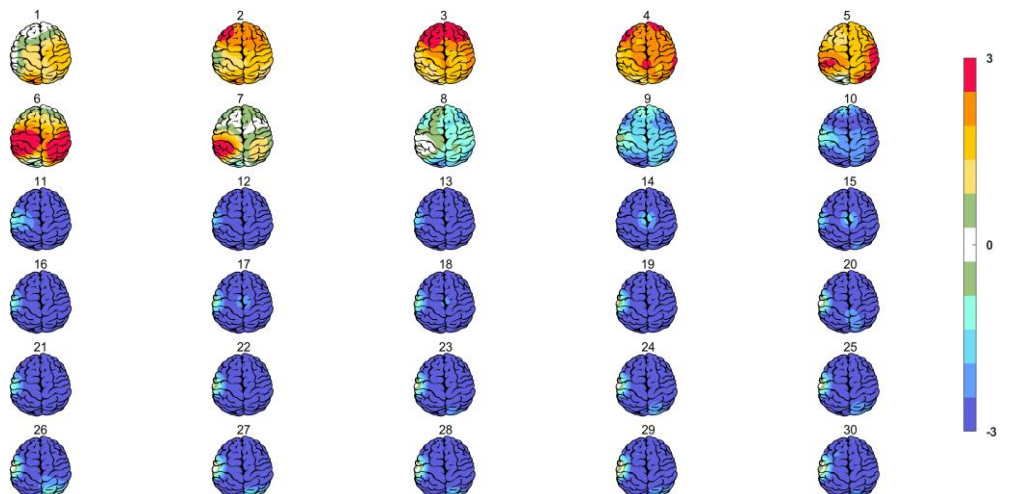
Frontal APF= 08.17

Posterior APF= 08.12

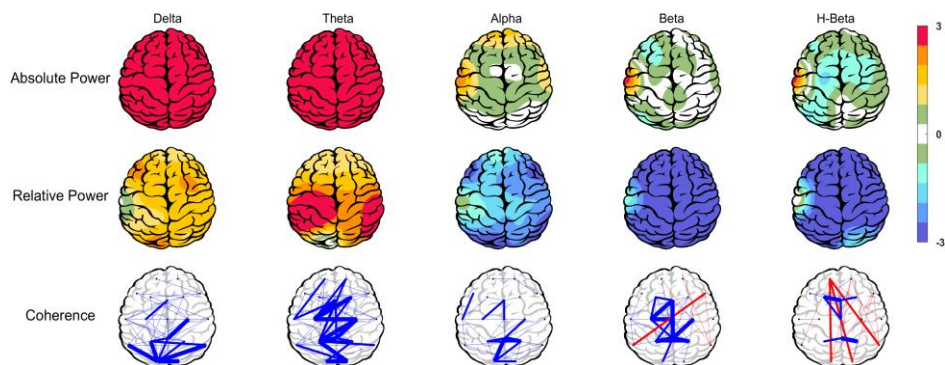
Absolute Power-Eye Open (EO)



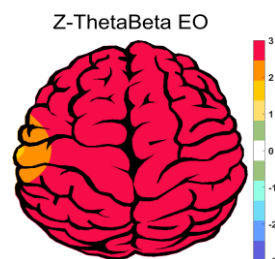
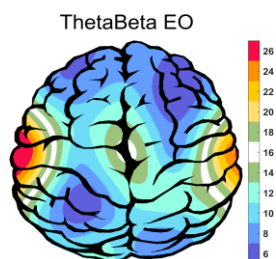
Relative Power-Eye Open (EO)



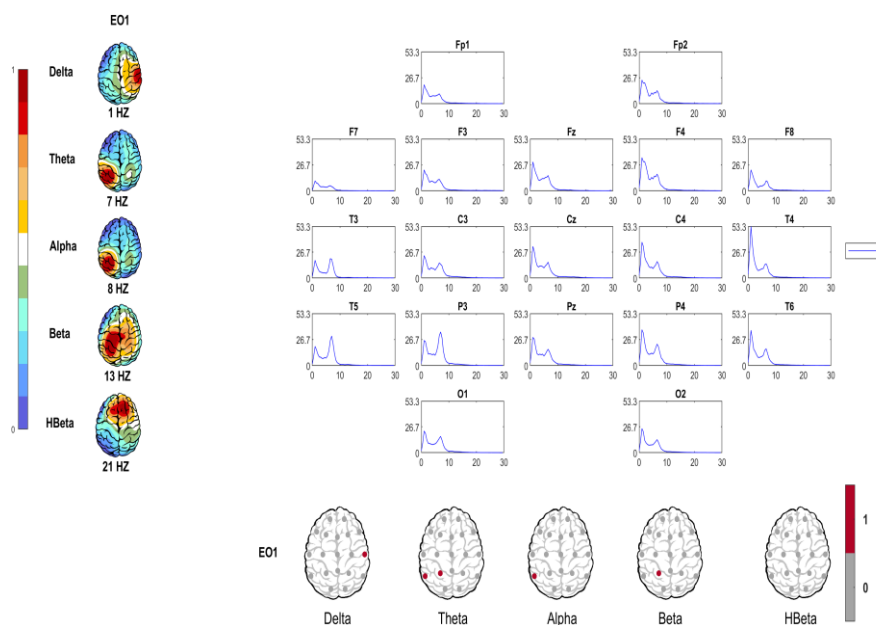
Z Score Summary Information (EO)



E.O.T/B Ratio (Raw- Z Score)



EEG Spectra



Arousal Level

