



QEEG Clinical Report

BrainLens V0.4

Report Description



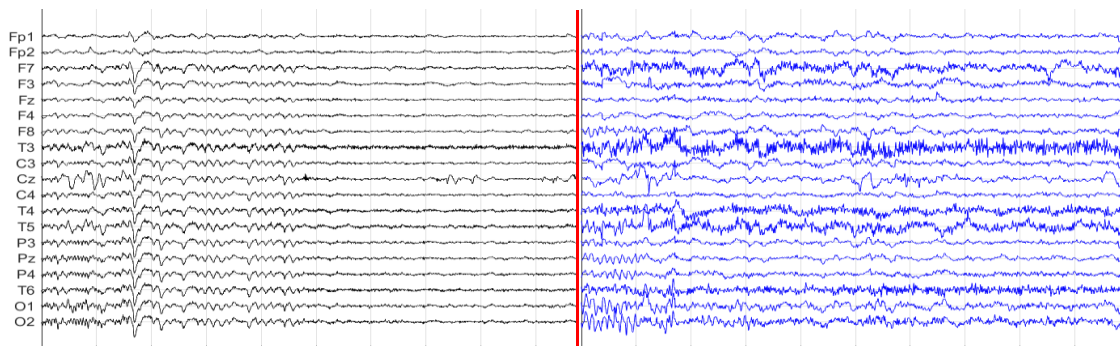
Personal & Clinical Data

Name	Mahmoudreza Amirahmadi	Date of Recording	20-May-2024
Date of Birth - Age	21-Mar-1964 - 60.16	Gender	Male
Handedness(R/L)	Right	Source of Referral	Dr Masjedi
Initial Diagnosis	Vertigo-Anxiety-PIC		
Current Medication	Medication Free		

Dr Masjedi

Denoising Information (EO)

Raw EEG



Denoised EEG

Flat Channels



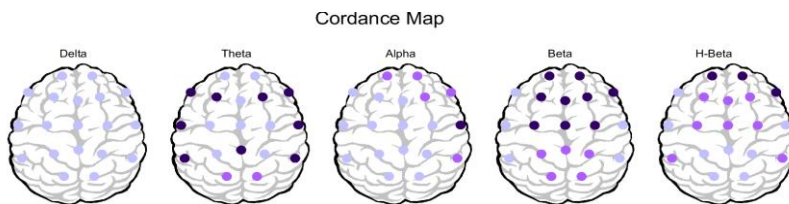
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
					
EEG Quality		good		Total Recording Time Remaining	103.85 sec

Pathological assessment for Dementia

Compare to Dementia Database

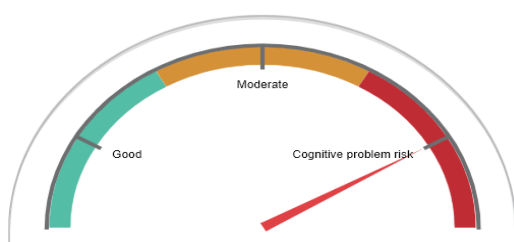


Dementia Probability

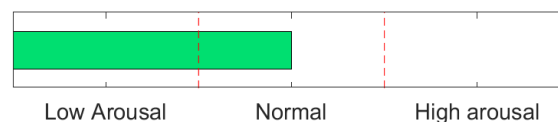
Dementia Table	EO	
Feature Name	Threshold	Region
Increased rDelta	1.00	LF-RF-MF-LT-C-P-O-
Increased rTheta	0.00	NAN
Decreased rAlpha	-1.00	LF-RF-MF-LT-C-P-O-
Decreased rBeta	-0.50	LF-RF-MF-C-P-O-
Increased T/A Ratio	1.00	LF-RF-MF-LT-C-P-O-
Increased D/A Ratio	1.00	LF-RF-MF-LT-RT-C-P-O-
Decreased (D+T+A+B) Coherence	-1.00	Decreased global Coherence

Dementia Probability

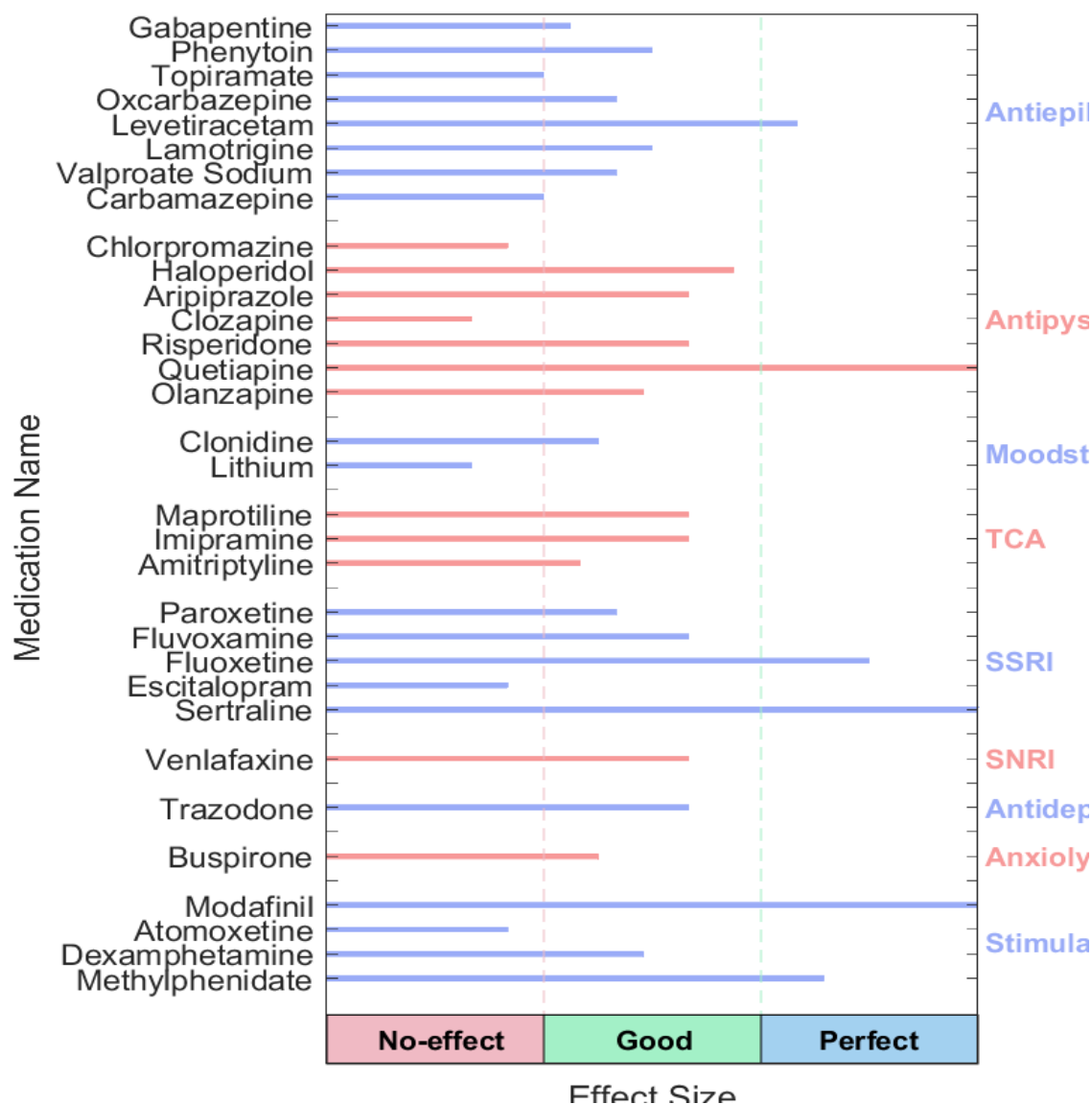
Cognitive Impairment Severity



Arousal Level Detection



QEEG based predicting medication response



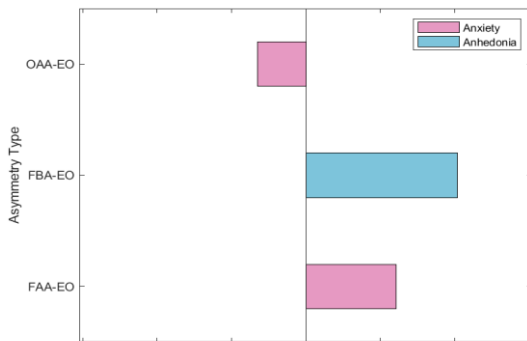
Explanation

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 IRE that have not been segregated to avoid complexity, and their results are shown in these diagrams. One can review details in NPCIndex.com .

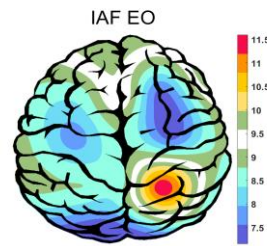
Medication Recommendation

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)

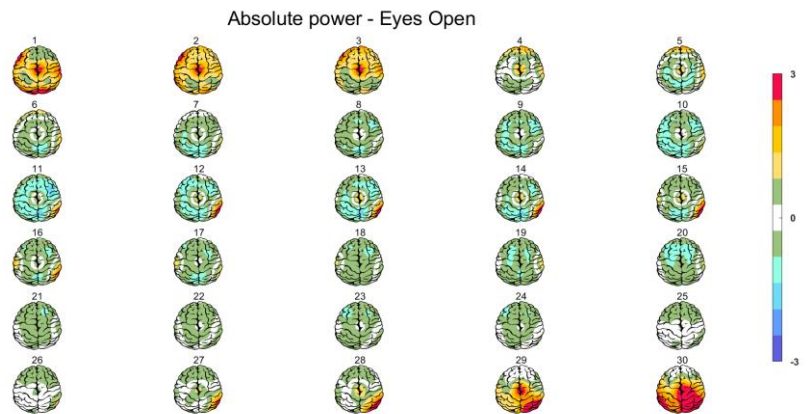


IAF(EO)

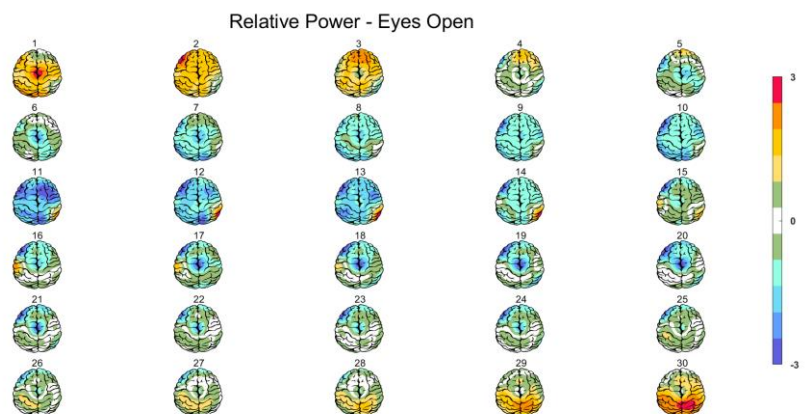


Eye Open IAF= 08.75

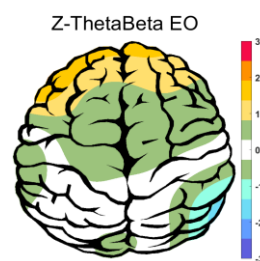
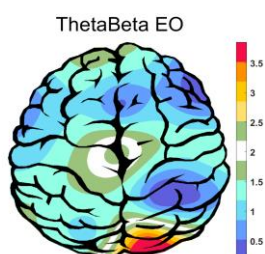
Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)



Z Score Summary Information (EO)



Arousal Level

