



QEEG Clinical Report

BrainLens V0.4



Report Description

Personal & Clinical Data

Name	Zahra Rahimi	Date of Recording	2025-08-25
Date of Birth - Age	1949-08-26 - 76.2	Gender	Female
Handedness(R/L)	Right	Source of Referral	Dr Masjedi
Initial Diagnosis	Dementia-Head Trauma		
Current Medication	-		

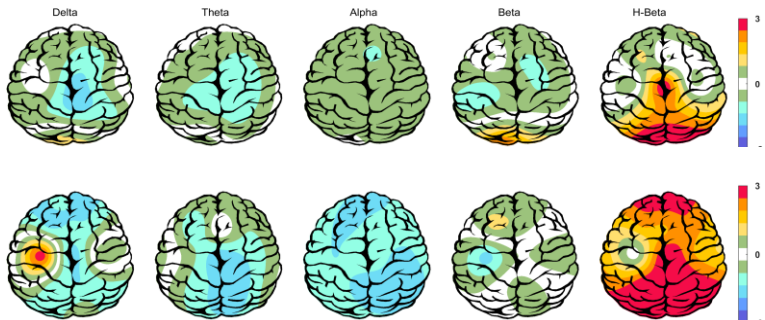
Dr Masjedi

Summary Report

EEG Quality

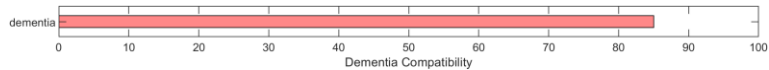


Z-score Information

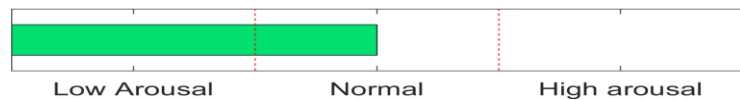


Absolute Power
Relative Power

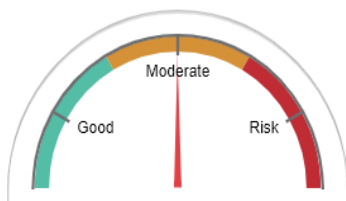
Compatibility with Dementia



Arousal Level



Cognitive Performance



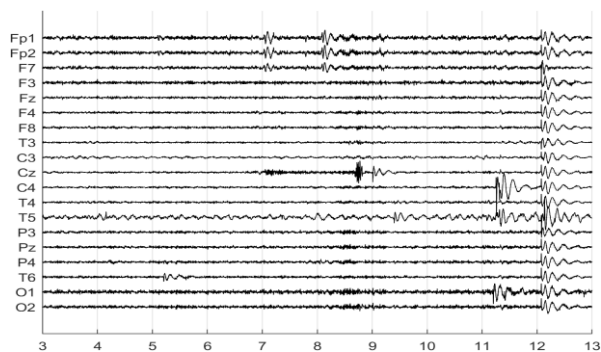
APF

Posterior APF-EO= 10.38

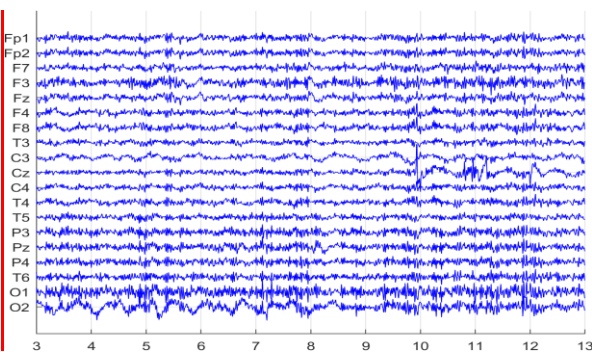
To investigate QEEG-based predicting medication response, please refer to the Report.

Denoising Information (EO)

Raw EEG



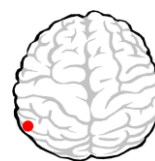
Denoised EEG



Flat Channels



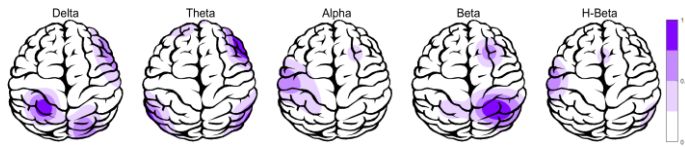
Rejected Channels



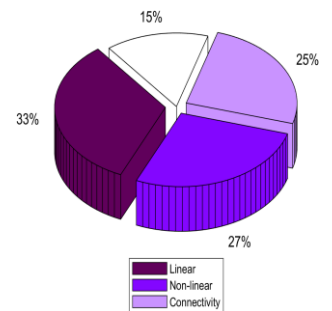
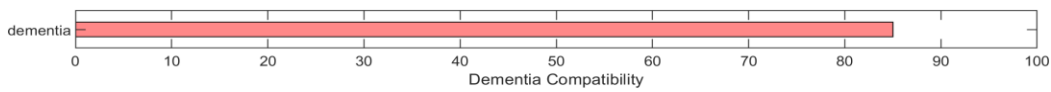
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	2	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	103.10 sec

Pathological Assessment for Dementia

Compare to Dementia Database



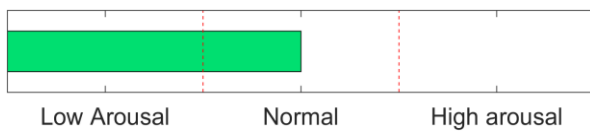
EEG Compatibility with Dementia Diagnosis



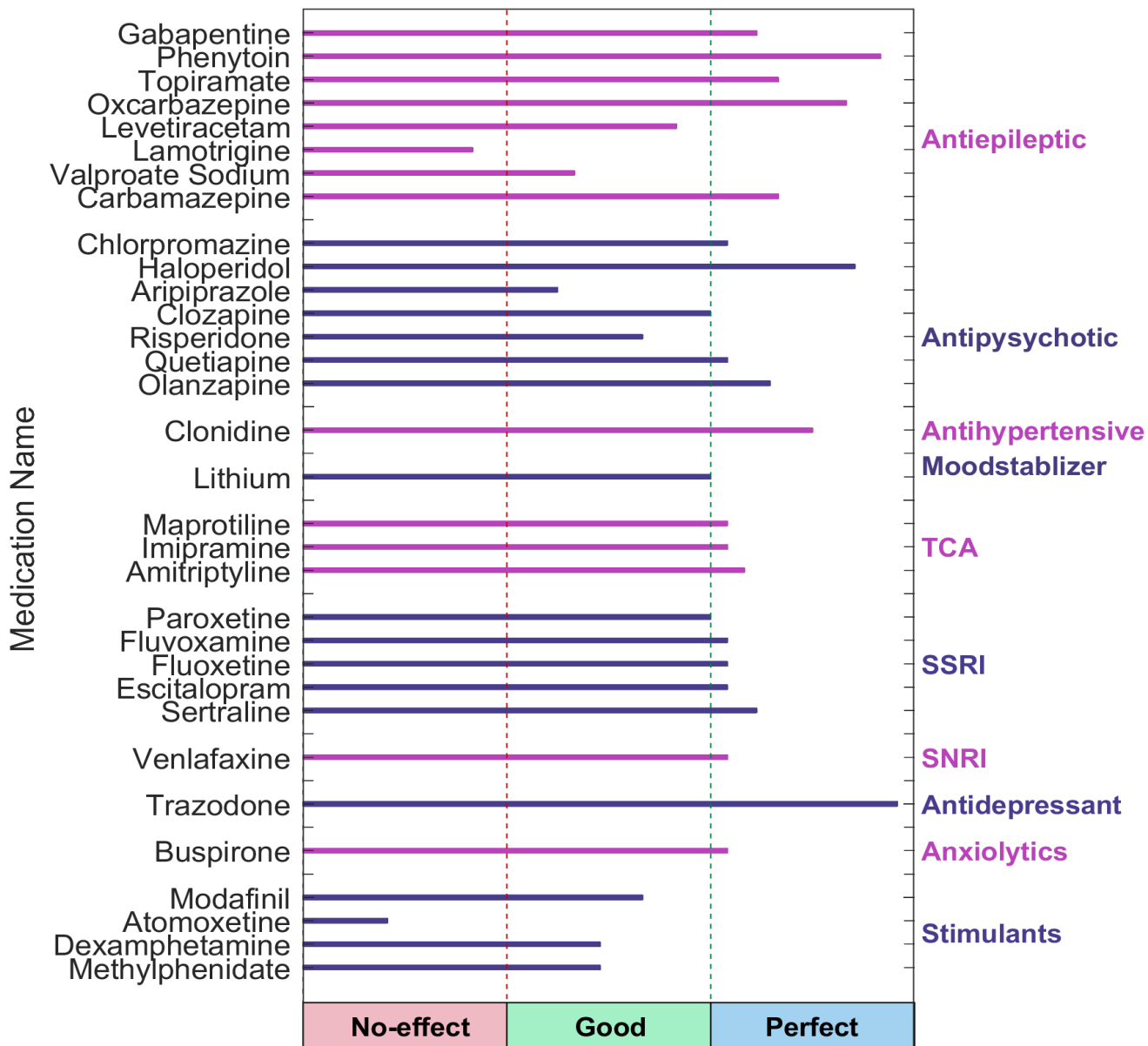
Cognitive Functions Assessment



Arousal Level Detection



QEEG based predicting medication response



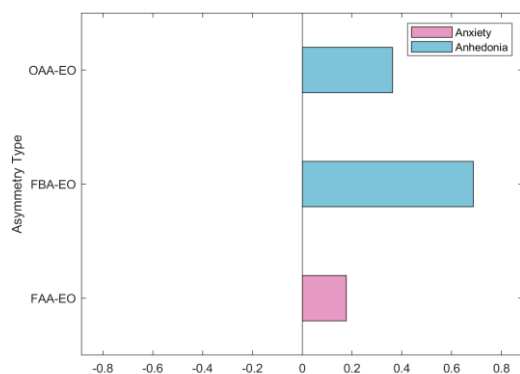
Explanation

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 Pharmacoe 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 .

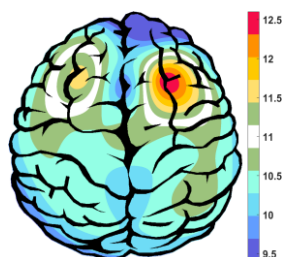
Medication Recommendation

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)



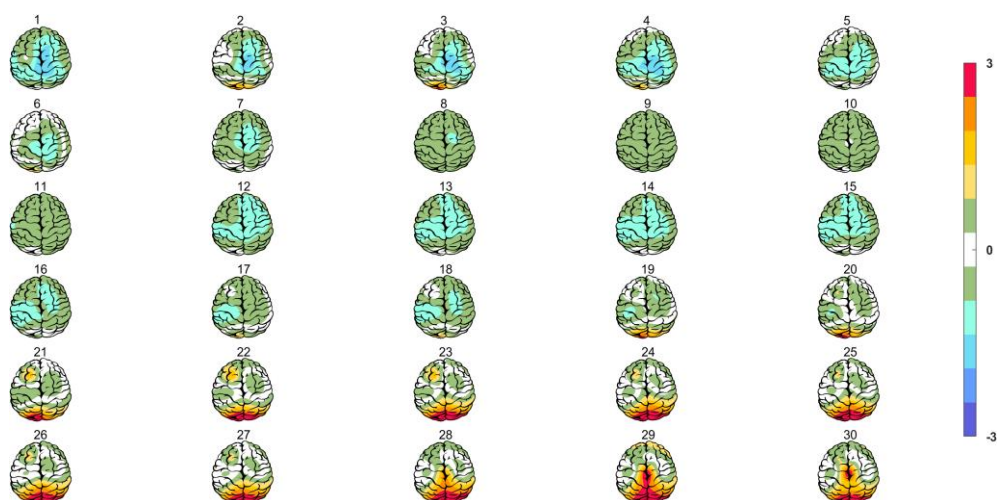
APF(EO)



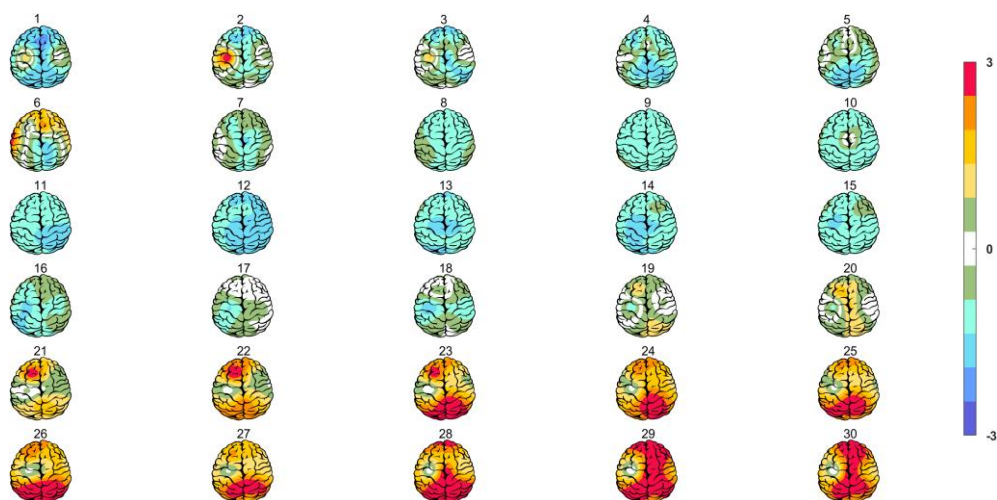
Frontal APF= 11.17

Posterior APF= 10.38

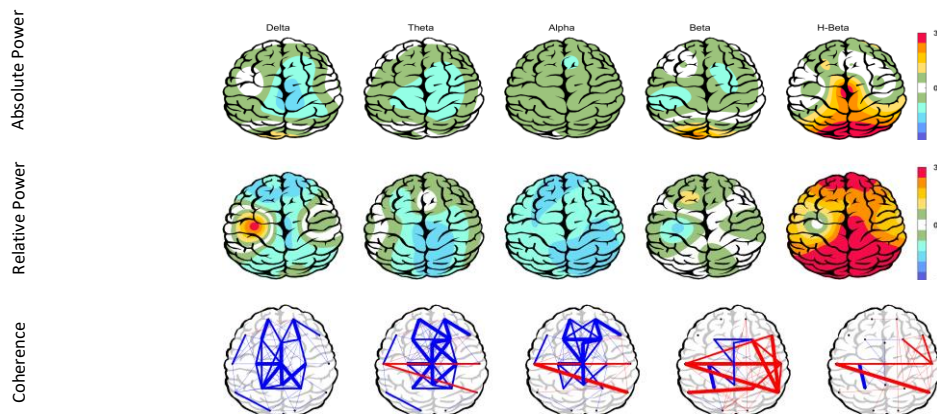
Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)



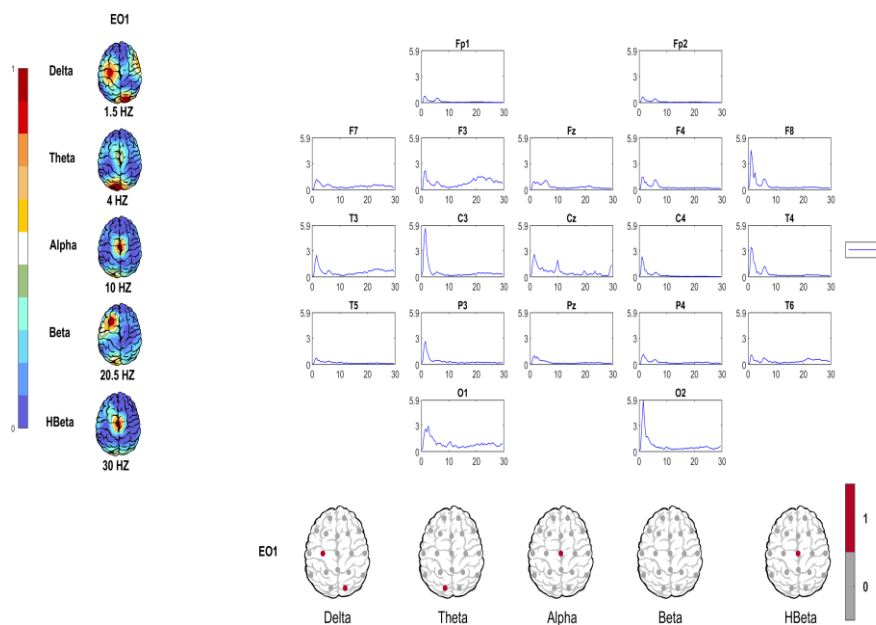
Z Score Summary Information (EO)



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



EEG Spectra



Arousal Level

