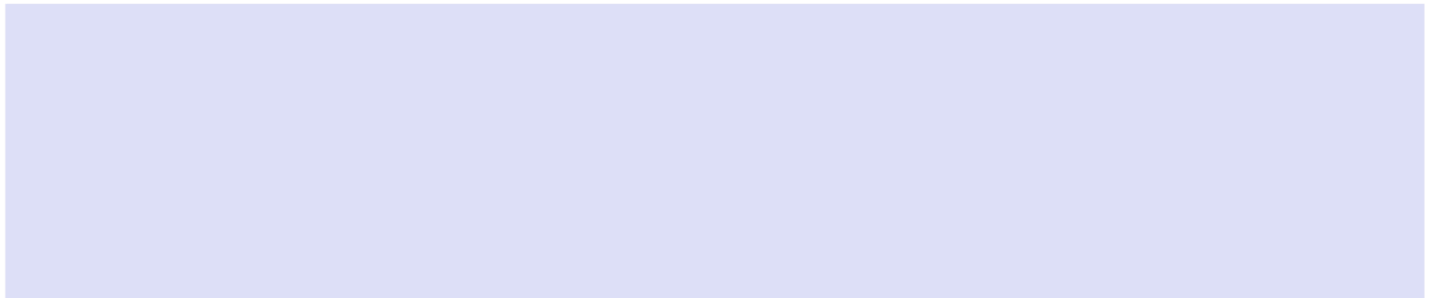




QEEG Clinical Report

BrainLens V0.4

Report Description

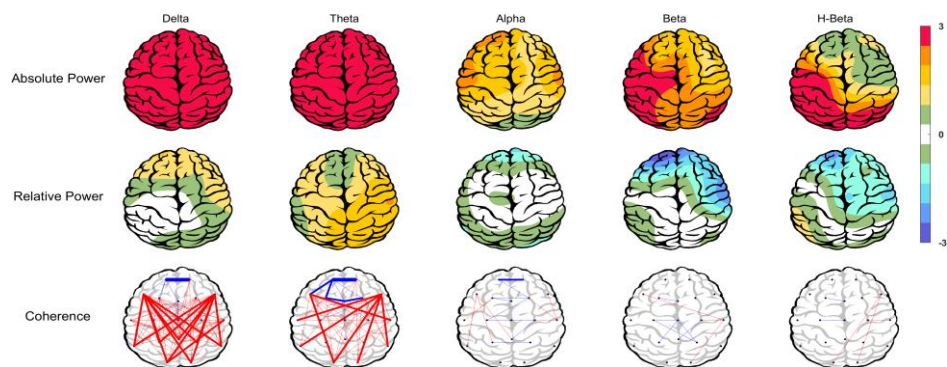


Personal & Clinical Data

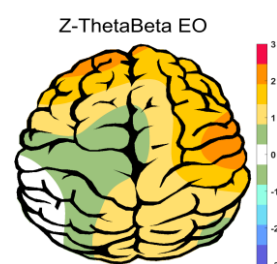
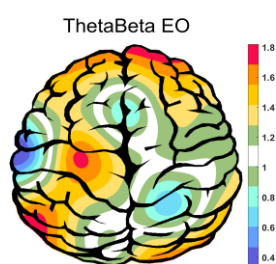
Name	Farman Tamadon	Date of Recording	19-Feb-2025
Date of Birth - Age	17-May-1934 - 90.76	Gender	Male
Handedness(R/L)	Right	Source of Referral	Asayesh Psychiatric Clinic -
Initial Diagnosis	Dementia-HTN		
Current Medication	-		

Asayesh Psychiatric Clinic -
Dr Torabi

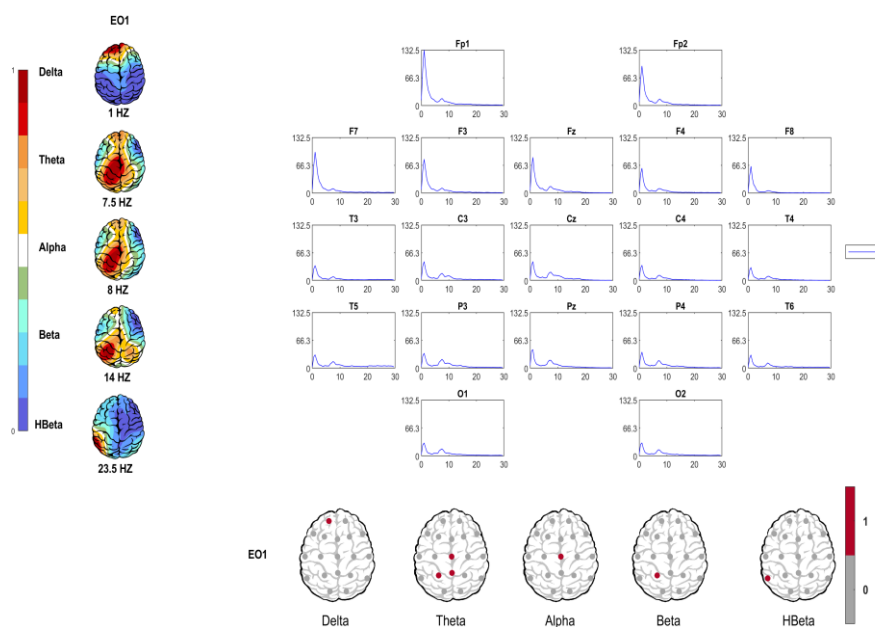
Z Score Summary Information (EO)



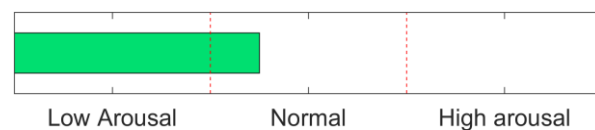
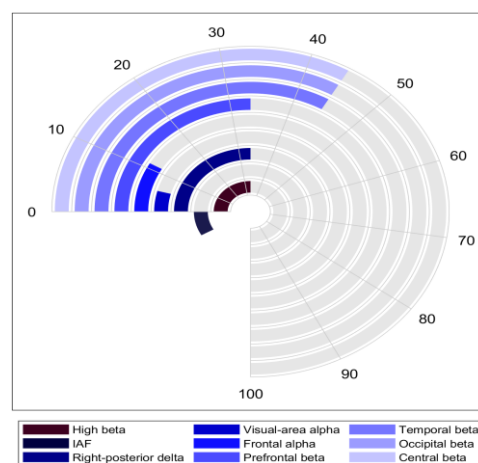
E.O.T/B Ratio (Raw- Z Score)



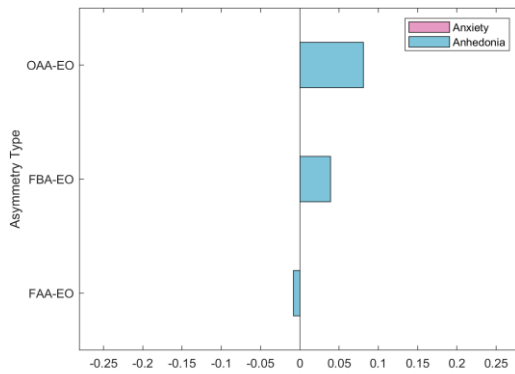
EEG Spectra



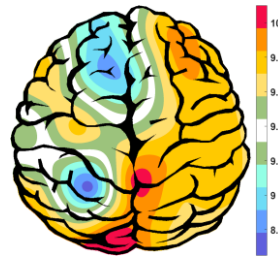
Arousal Level



Alpha Asymmetry(AA)



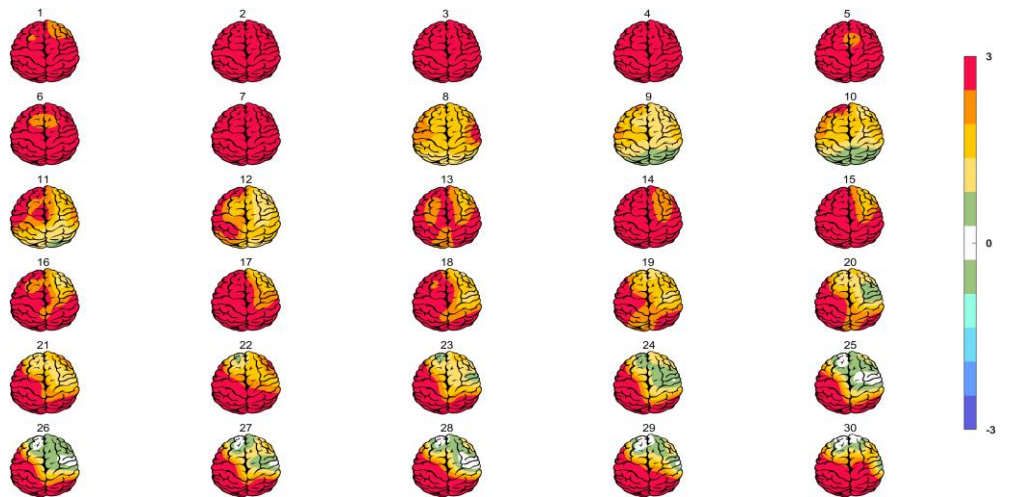
APF(EO)



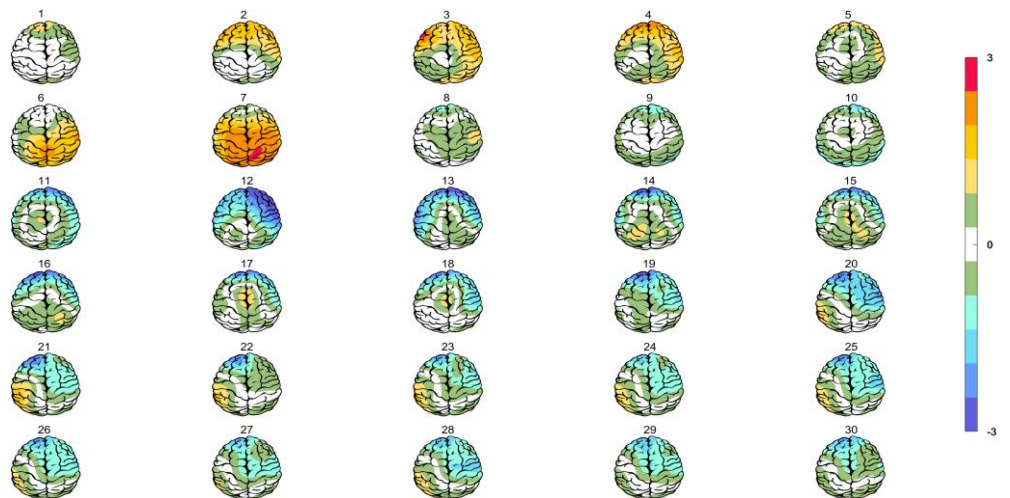
Frontal APF= 09.75

Posterior APF= 09.75

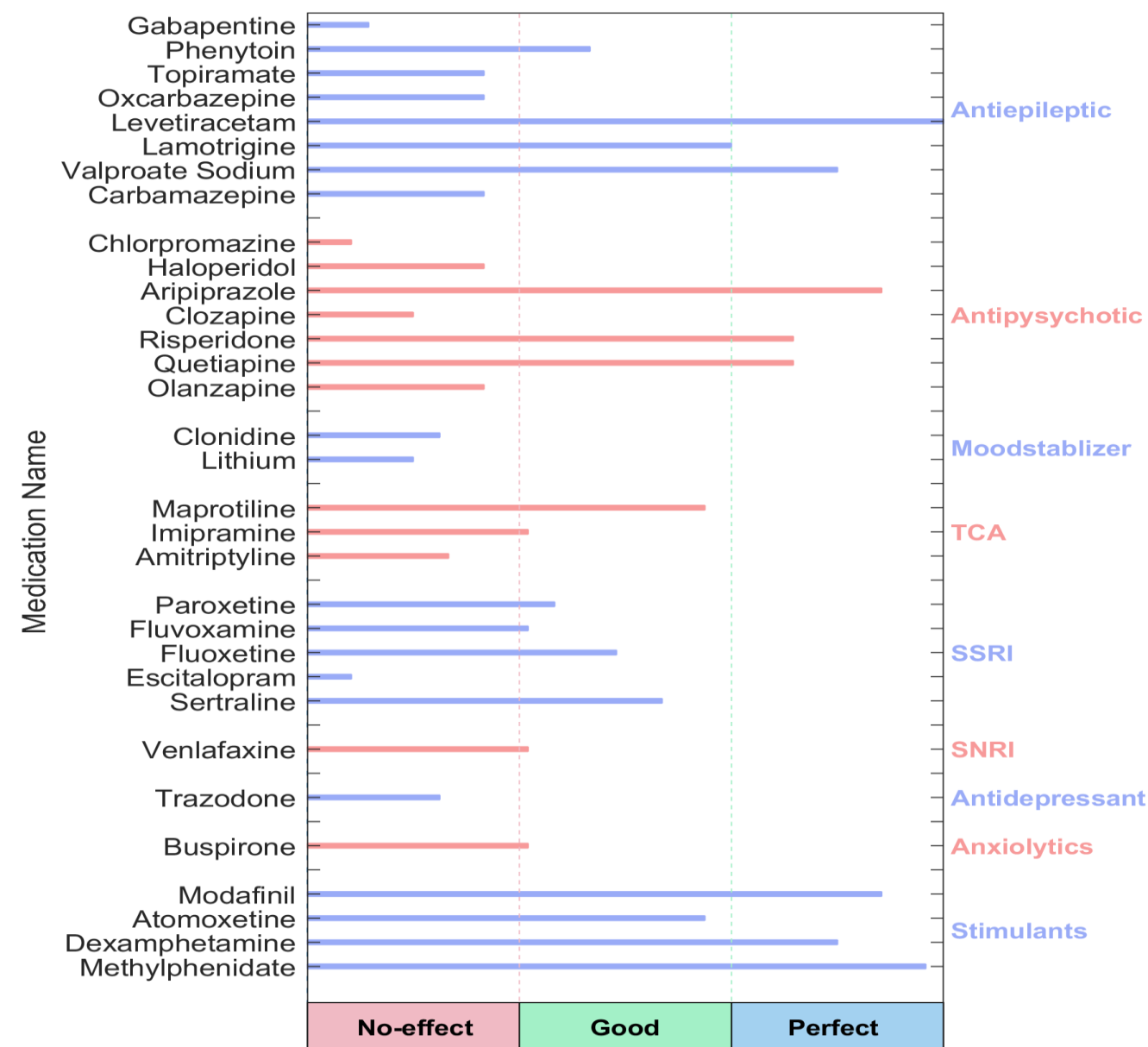
Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)



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.

 Report

گزارش:

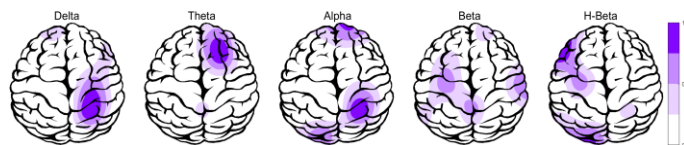
-1 -.....

نتایج تشخیصی:

-1 -.....

Pathological assessment for Dementia

Compare to Dementia Database



Dementia Probability

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

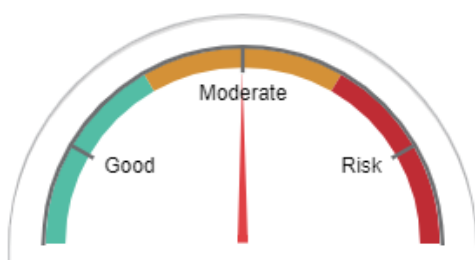
dementia

0 10 20 30 40 50 60 70 80 90 100

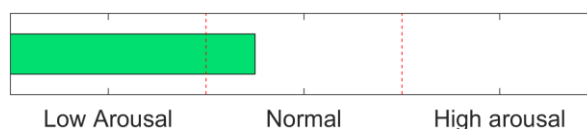
Dementia Compatibility

Dementia Probability

Cognitive Impairment Severity

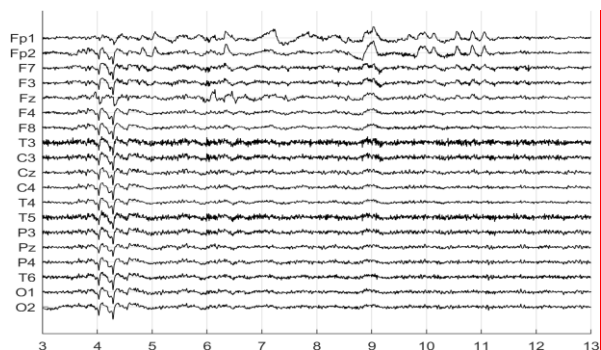


Arousal Level Detection

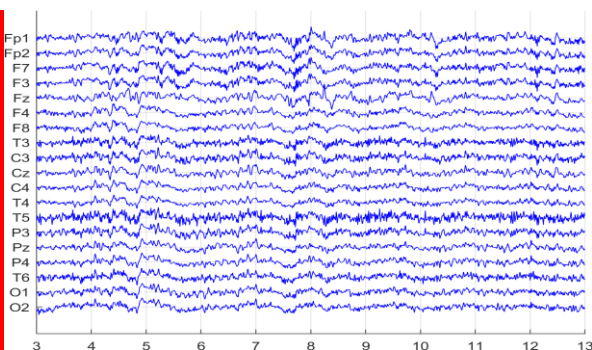


Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



Rejected Channels



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