



QEEG Clinical Report

BrainLens V0.4

Report Description



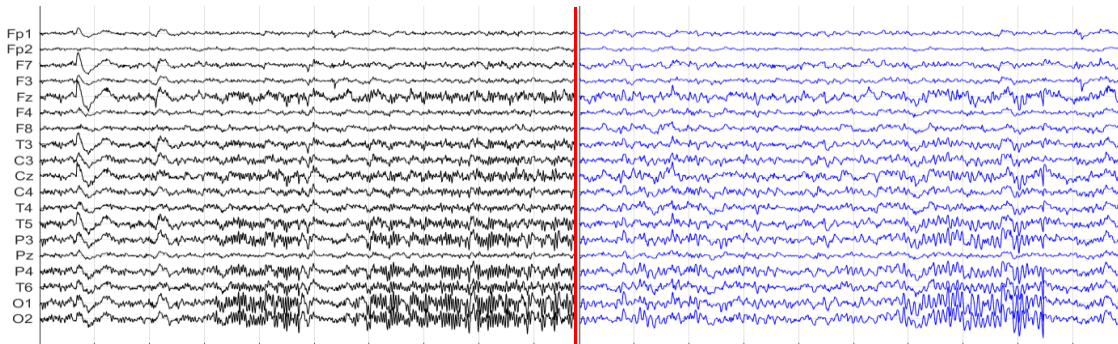
Personal & Clinical Data

Name	Amirhossein Goudarzi	Date of Recording	27-Dec-2023
Date of Birth - Age	21-Mar-2009 - 14.77	Gender	Male
Handedness(R/L)	Right	Source of Referral	Dr Masjedi
Initial Diagnosis	Anxiety		
Current Medication	Medication Free		

Dr Masjedi

Denoising Information (EC)

Raw EEG



Denoised EEG

Flat Channels



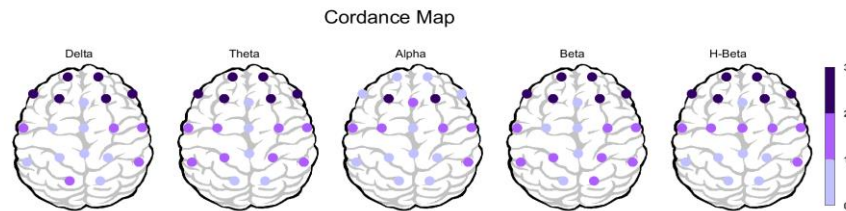
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	1	Muscle	1		
Total Artifact Percentage				High Artifact Percentage	
					
EEG Quality		bad		Total Recording Time Remaining	344.28 sec

Pathological assessment for Depression

Compare to Depression Database



Depression Probability

Depression Table	EC	
Feature Name	Threshold	Region
Increased Global rAlpha	0.50	global
Increased global rTheta	0.00	NAN
Decreased rDelta	-0.50	LF-RF-MF-C-
Increased rBeta	0.50	C
Left FAA	-0.13	Left FAA
Right OAA	0.13	Left OAA
Decreased Coherence	0.00	NAN
Increased Coherence	2.00	Decreased Coherence

Depression Probability

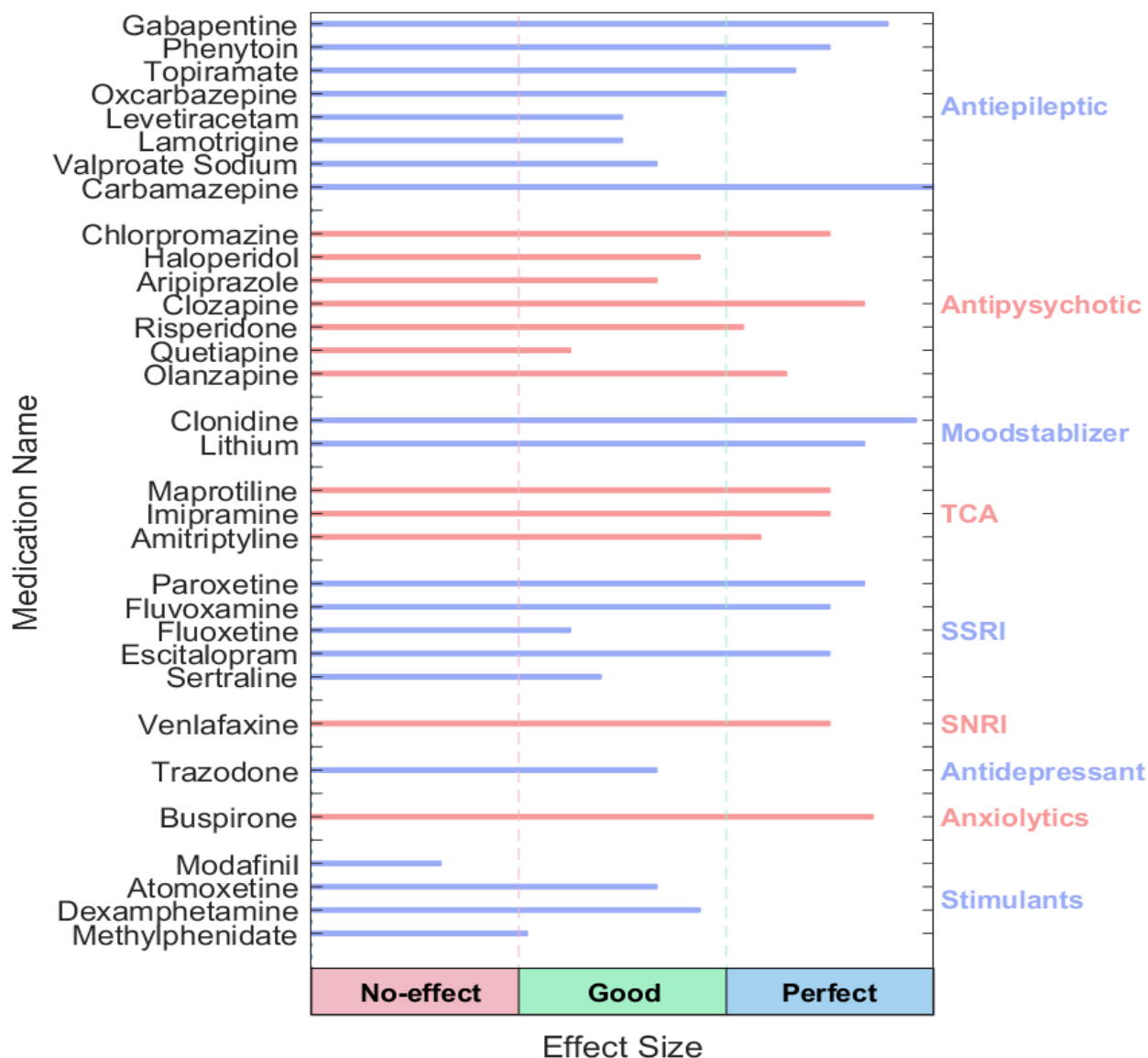
Depression Severity



Anxiety Severity



QEEG based predicting medication response



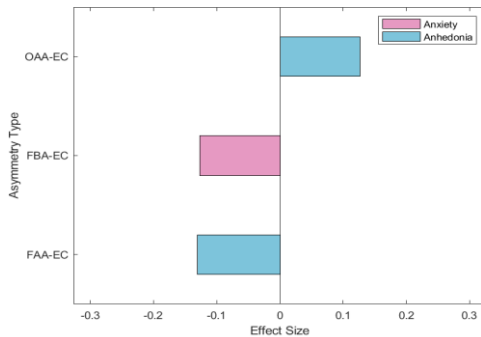
Explanation

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 .

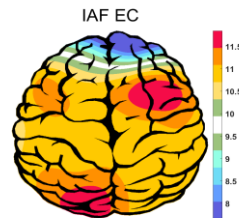
Medication Recommendation

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)

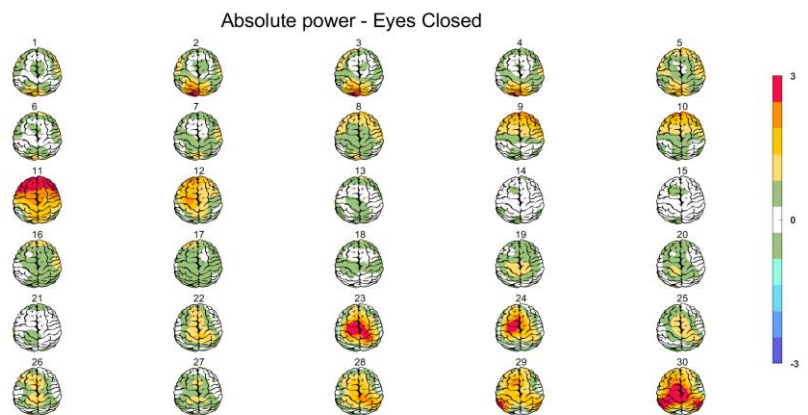


IAF(EC)

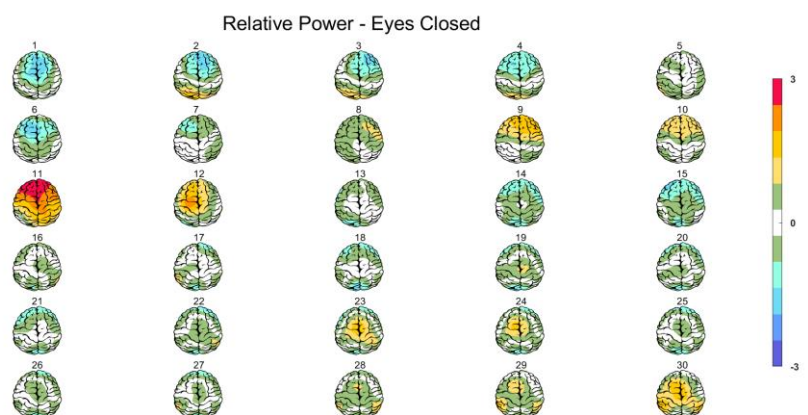


Eye Close IAF= 10.88

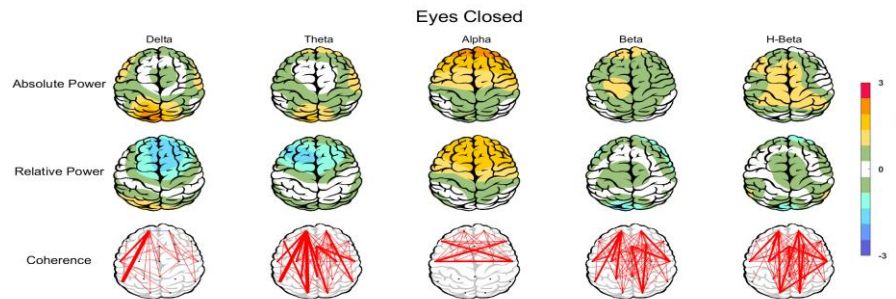
Absolute Power-Eye Closed (EC)



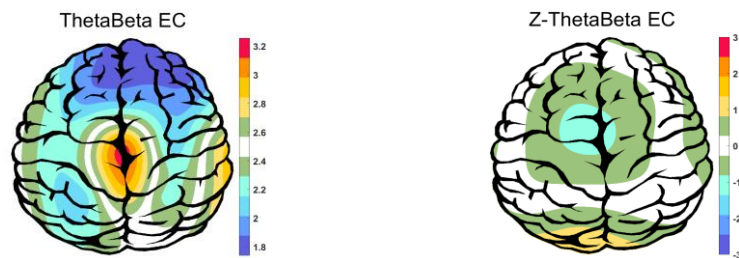
Relative Power-Eye Closed (EC)



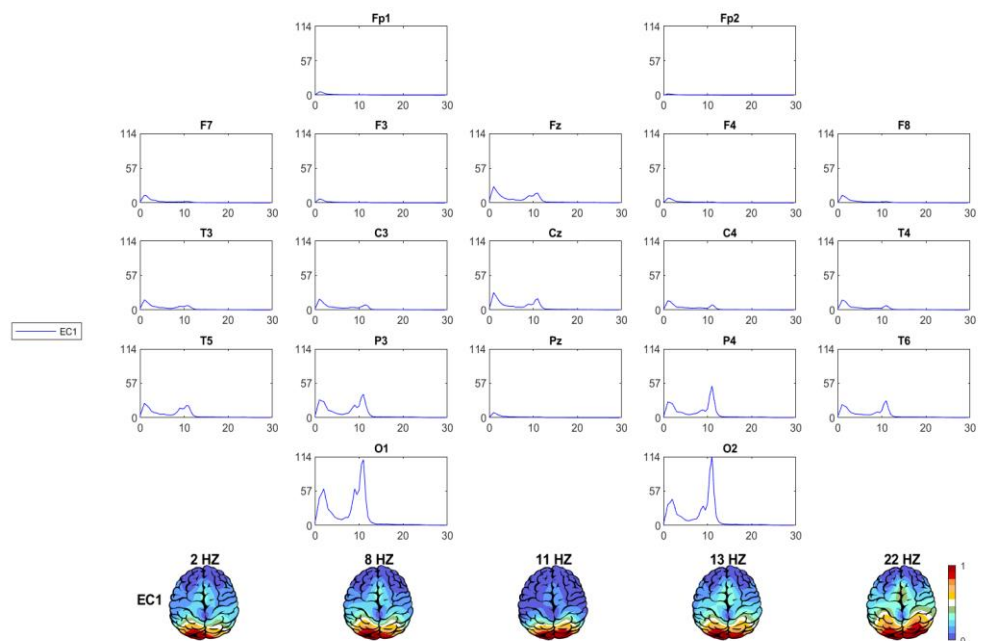
Z Score Summary Information (EC)



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



EEG Spectra





Amirhossein Goudarzi\Dr Masjedi