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QEEG Clinical Report

BrainLens V0.4

Report Description

Personal & Clinical Data

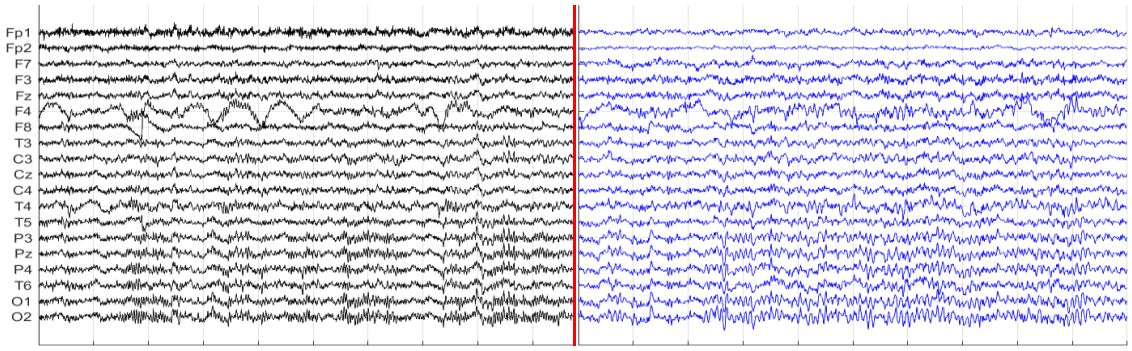
Name	Fateme Shahsavand	Date of Recording	02-Oct-2023
Date of Birth - Age	21-Jul-2000 - 23.2	Gender	Female
Handedness(R/L)	Right	Source of Referral	Dr Goudarzi
Initial Diagnosis	Depression		
Current Medication	-		

Dr Goudarzi

Fateme Shahsavand \Dr Goudarzi

Denoising Information (EC)

Raw EEG **Denoised EEG**

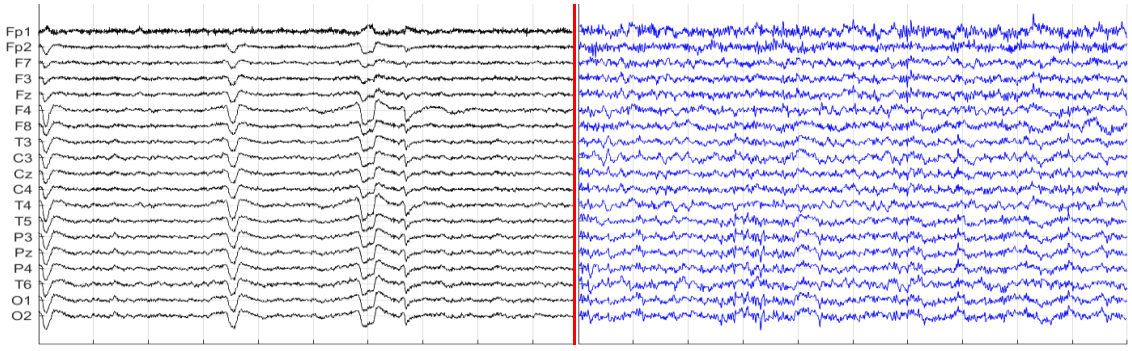


Flat Channels **Rejected Channels**

Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	0	Muscle	2		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality	bad			Total Recording Time Remaining	227.92 sec

Denoising Information (EO)

Raw EEG **Denoised EEG**

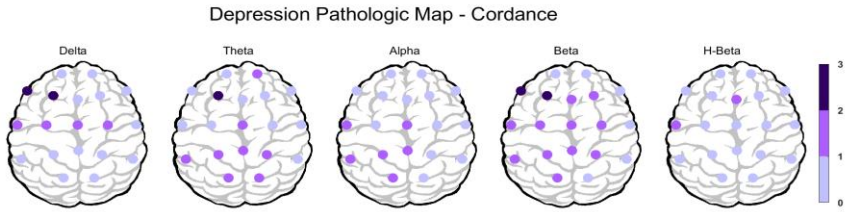


Flat Channels **Rejected Channels**

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	208.47 sec

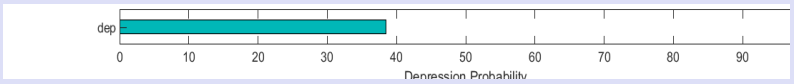
Pathological assessment for Depression

Compare to Depression Database



Depression Probability

Depression Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased Global rAlpha	0.00	NAN	0.00	NAN
Increased global rTheta	0.00	NAN	0.00	NAN
Decreased rDelta	-0.50	LF-RF-MF-	0.00	NAN
Increased rBeta	2.00	LF-RF-MF-LT-RT-C-P-	1.00	LF-RF-MF-
Left FAA	-0.66	Left FAA	-0.66	Left FAA
Right OAA	0.00	NAN	0.00	NAN
Decreased Coherence	0.00	NAN	0.00	NAN
Increased Coherence	3.00	Decreased Coherence	3.00	Decreased Coherence

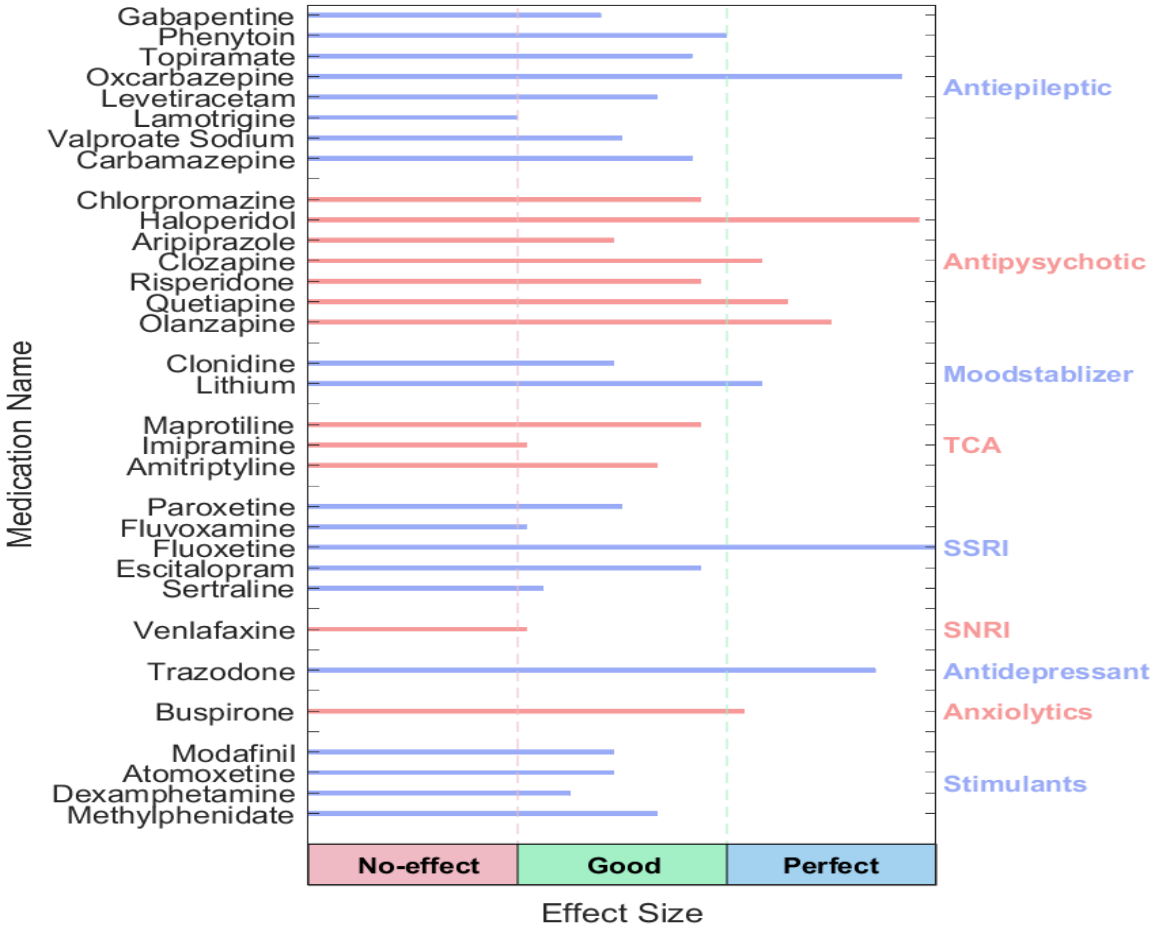


Depression Probability

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 Pharmaco 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.

QEEG based predicting rTMS response

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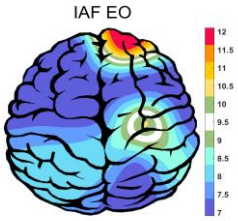
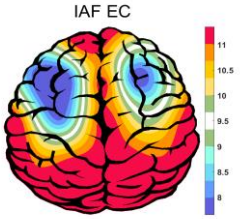
IAF(EO)



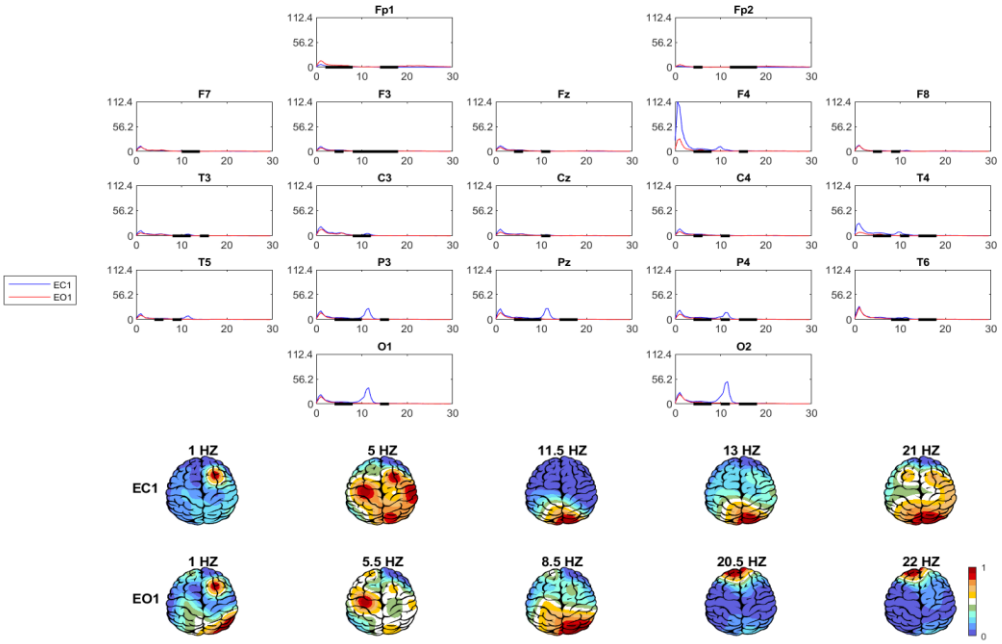
Eye Open IAF= 07.88

IAF(EC)

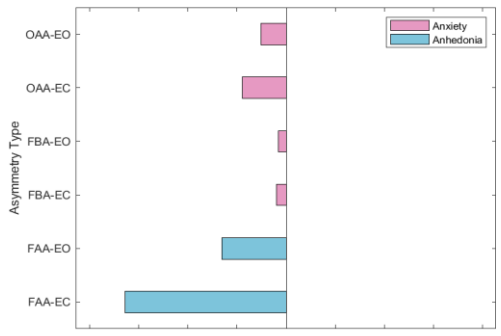


Eye Close IAF= 11.25

EEG Spectra



Alpha Asymmetry(AA)



Alpha Blocking

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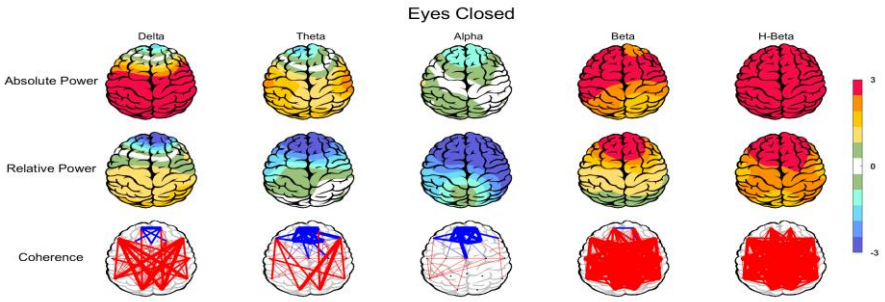
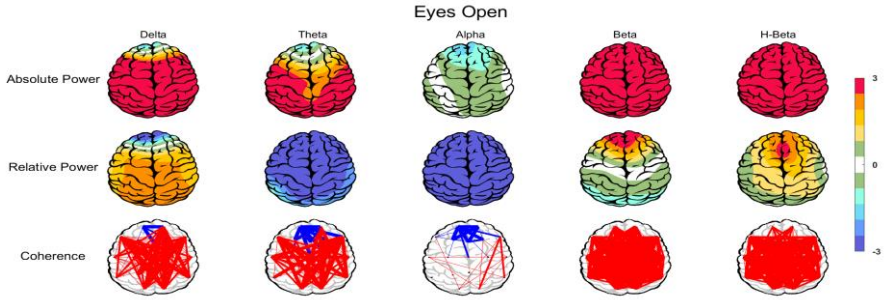
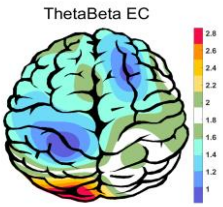
Z Score Summary Information (EC)

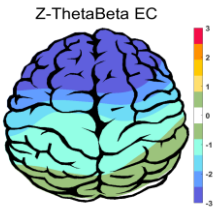


Z Score Summary Information (EO)

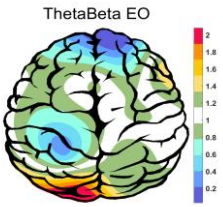


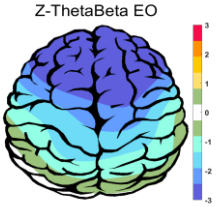
E.C.T/B Ratio (Raw- Z Score)



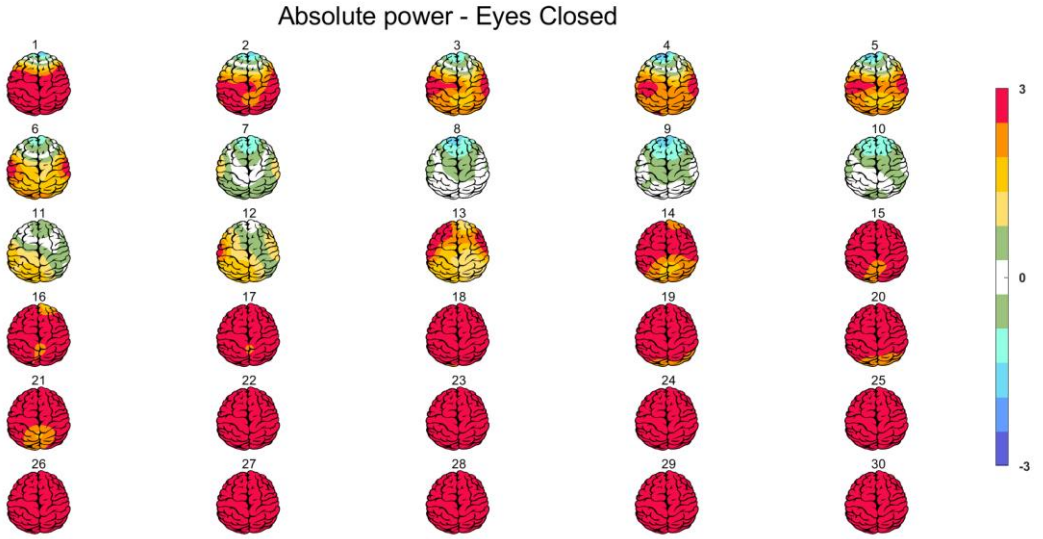


E.O.T/B Ratio (Raw- Z Score)

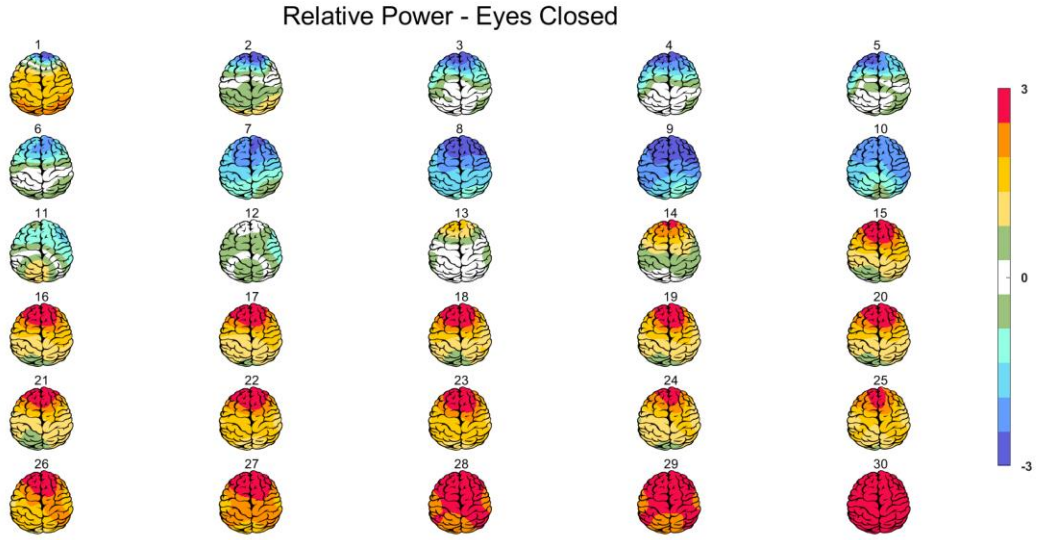




Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



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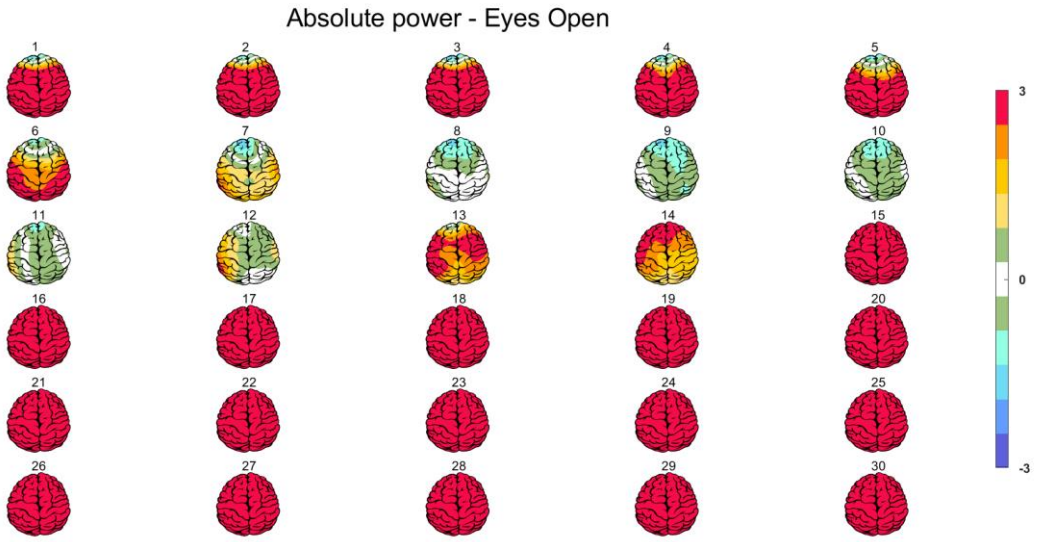
Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)