



QEEG Clinical Report

BrainLens V0.4

Report Description



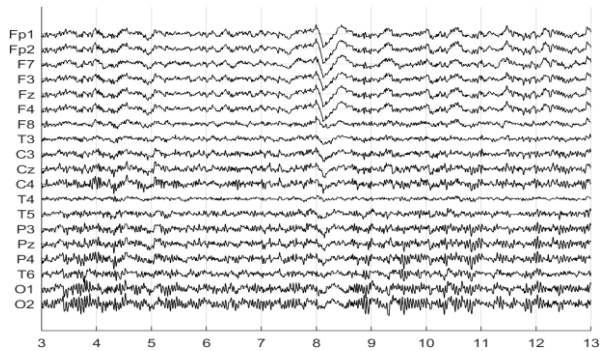
Personal & Clinical Data

Name	Seyedamirsaman Mirebeigi	Date of Recording	16-Sep-2024
Date of Birth - Age	25-Nov-2010 - 13.81	Gender	Male
Handedness(R/L)	Right	Source of Referral	Dr Sara Hojjatitabar
Initial Diagnosis	ADHD-Epilepsy-L.D		
Current Medication	Depakine-Risperidone		

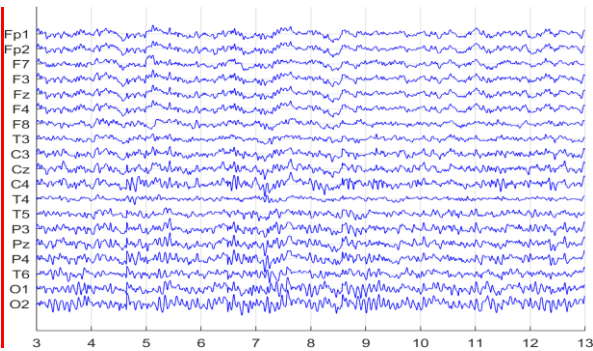
Dr Sara Hojjatitabar

Denoising Information (EC)

Raw EEG



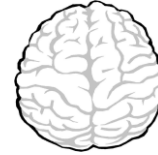
Denoised EEG



Flat Channels



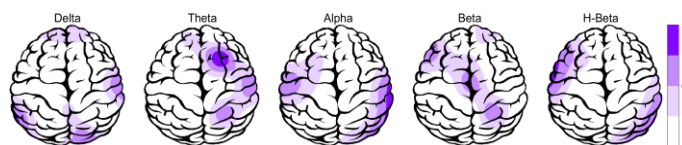
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	0	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	254.99 sec

Pathological assessment for ADHD

Compare to ADHD Database



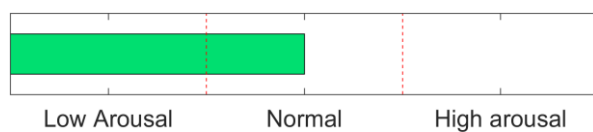
EEG Compatibility with ADHD Diagnosis

ADHD Table	EC	
Feature Name	Threshold	Region
Increased rDelta	0.50	global
Increased rTheta	0.00	NAN
Increased rAlpha	0.00	NAN
Increased rBeta	1.00	global
Decreased SMR	0.00	NAN
Increased T/B Ratio	0.00	NAN

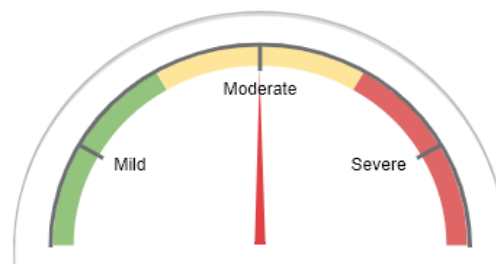
ADHD Compatibility

ADHD Probability

Arousal Level Detection



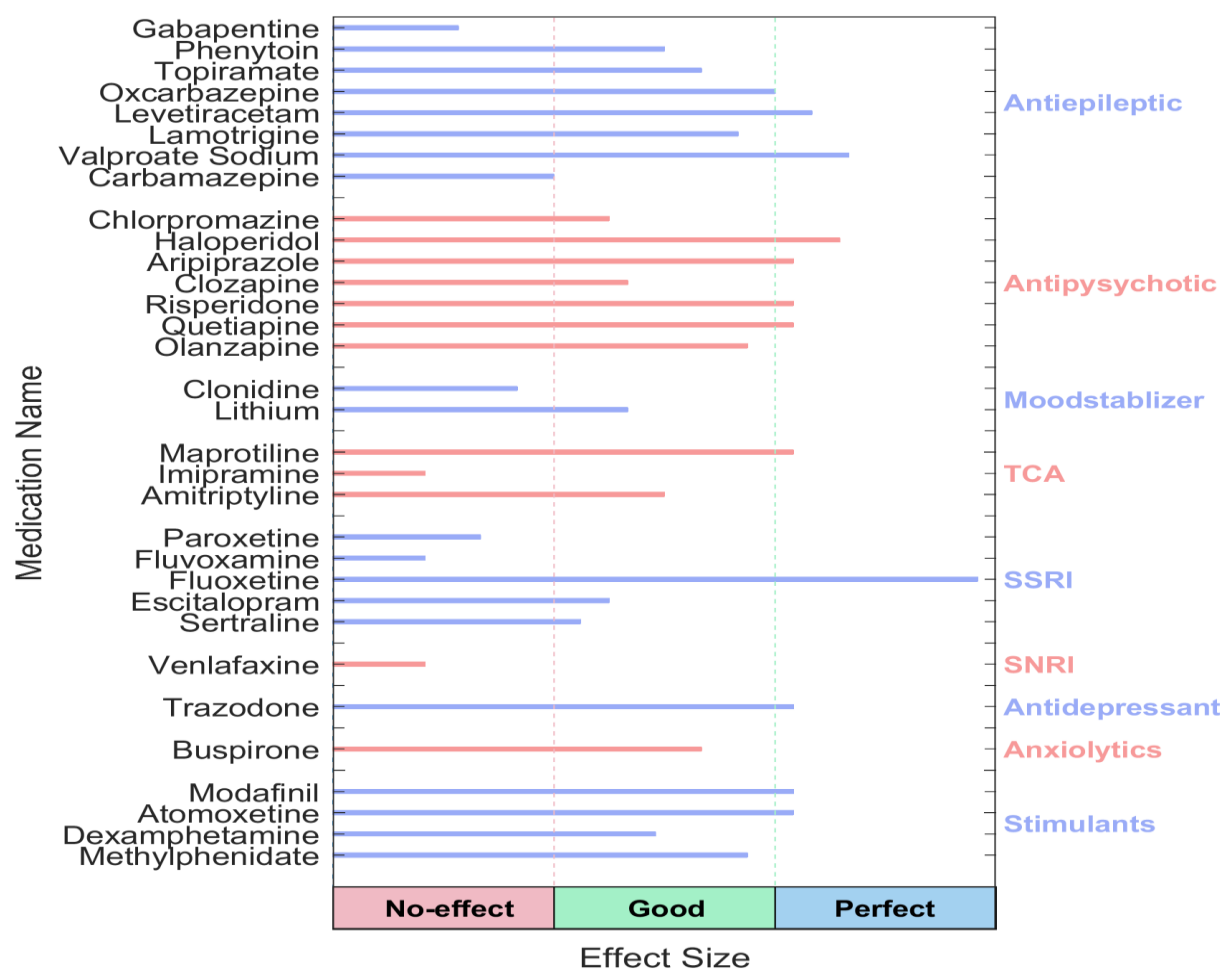
ADHD Severity



ADHD Clustering *

1. Prone to moody behavior and temper tantrums. May respond to stimulants, consider anticonvulsants or clonidine, avoid SSRI.
2. Same inattentive and hyperactive prevalence. Well respond to stimulants.

QEEG based predicting medication response



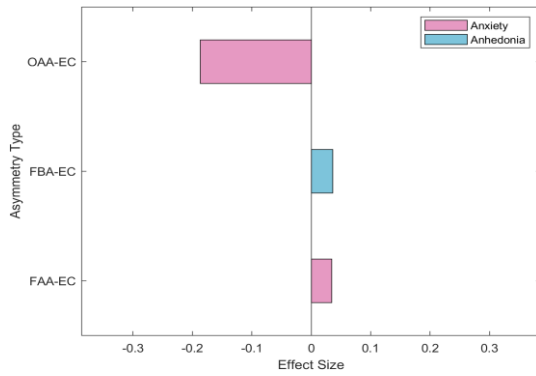
Explanation

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 .

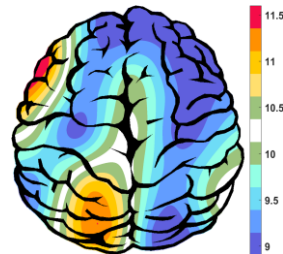
Medication Recommendation

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)



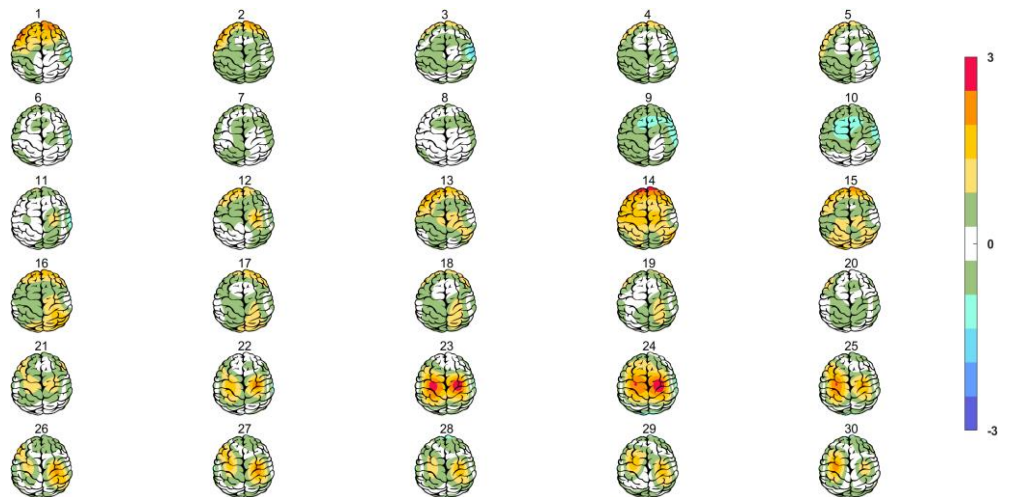
APF(EC)



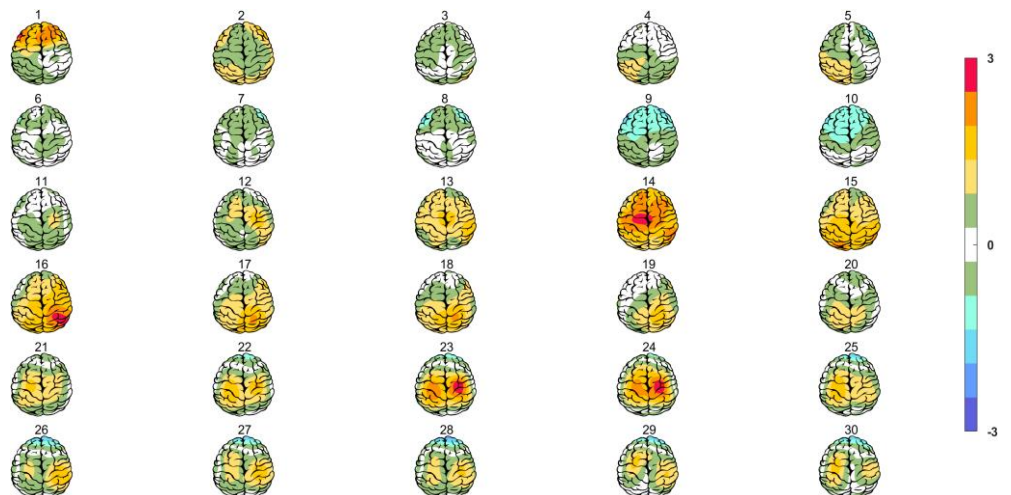
Frontal APF= 09.08

Posterior APF= 10.25

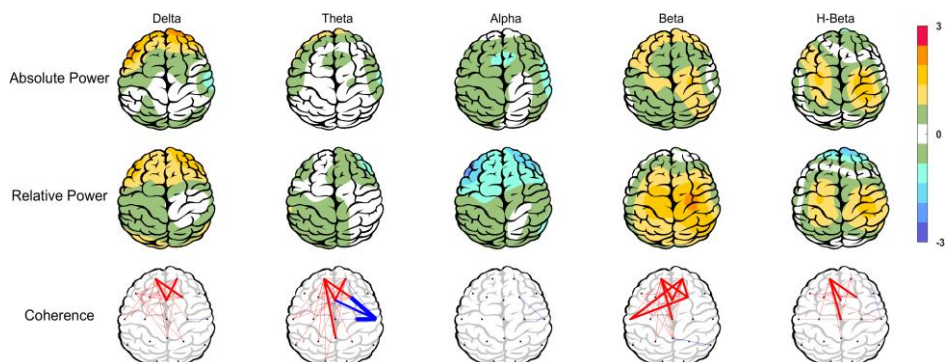
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



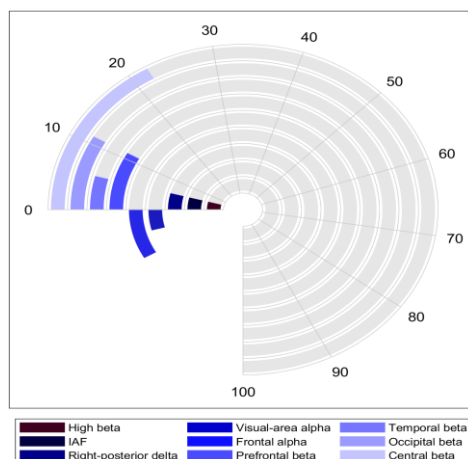
Z Score Summary Information (EC)



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



Arousal Level



EEG Spectra

