



QEEG Clinical Report

BrainLens V0.4

Report Description



Personal & Clinical Data

Name	Amirmahdi Boloki	Date of Recording	25-Dec-2024
Date of Birth - Age	31-May-2011 - 13.57	Gender	Male
Handedness(R/L)	Left	Source of Referral	Dr Haghi
Initial Diagnosis	ADD-Anxiety-Depression-Low Mood-Sleep Problems		
Current Medication	Ritalin		

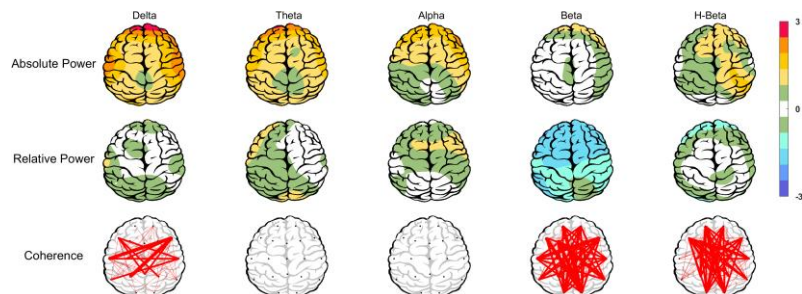
Dr Haghi

Summary Report

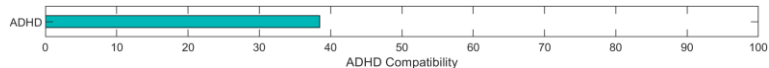
EEG Quality



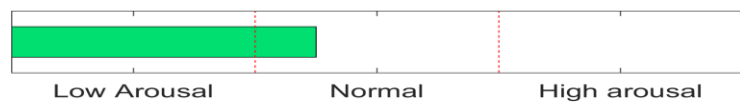
Z-score Information



Compatibility with ADHD



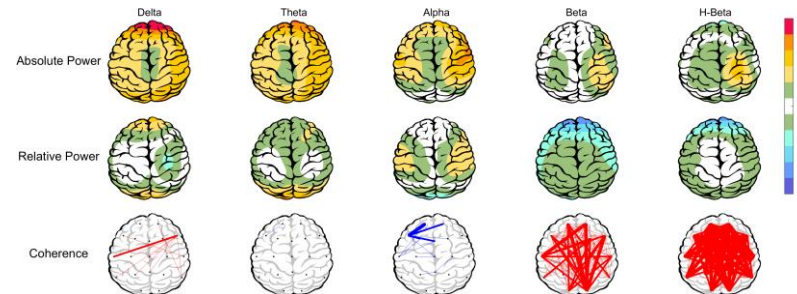
Arousal Level



APF

Posterior APF-EC= 09.00

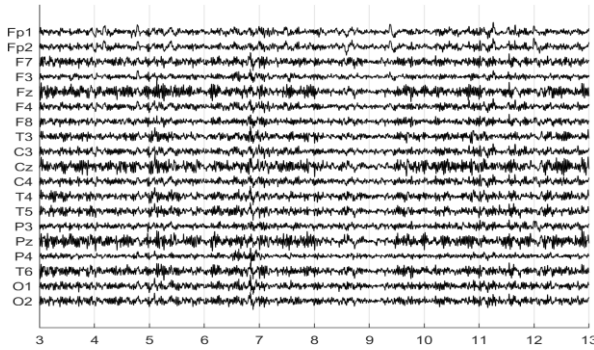
Posterior APF-EO= 10.25



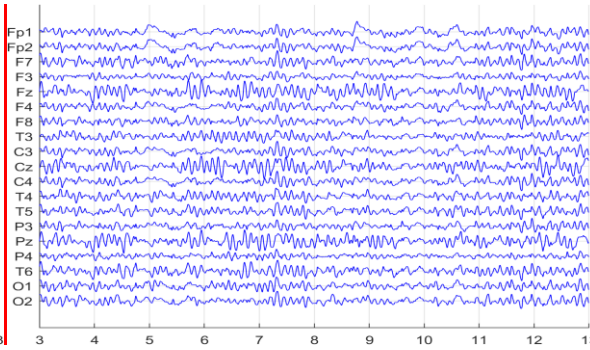
To investigate QEEG-based predicting medication response, please refer to the Report.

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



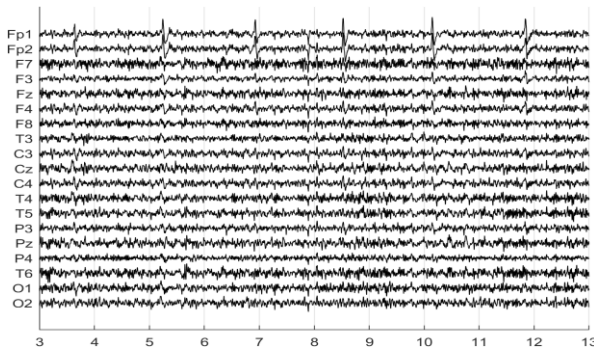
Rejected Channels



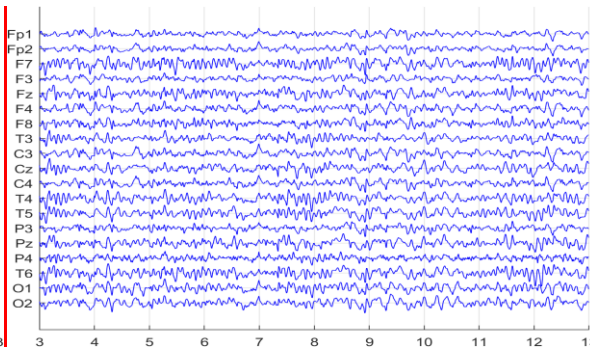
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	1	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		bad		Total Recording Time Remaining	
				236.52 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



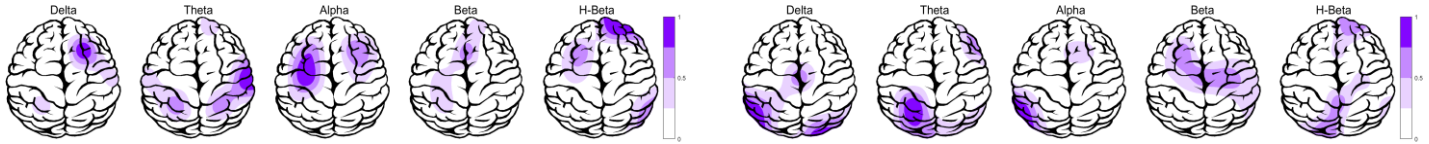
Rejected Channels



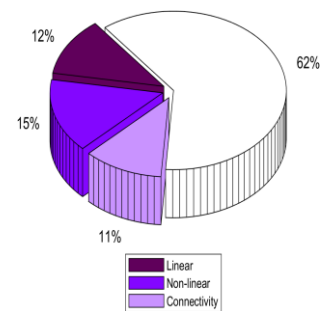
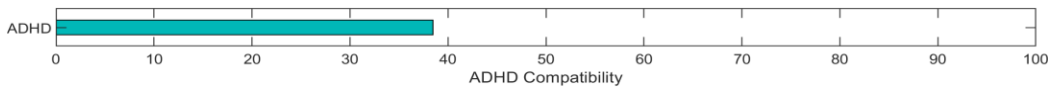
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	1	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		bad		Total Recording Time Remaining	
				287.55 sec	

Pathological assessment for ADHD

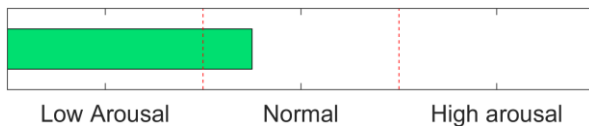
Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis



Arousal Level Detection

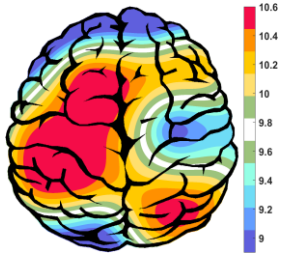


ADHD Clustering *

1. Same inattentive and hyperactive prevalence. Well respond to stimulants.
2. Least impulsive group, almost only inattentive. May respond to stimulants.

* If there is Paroxymal epileptic discharge in EEG data, this case needs sufficient sleep and should avoid high carbohydrate intake.
You can consider anticonvulant medications.

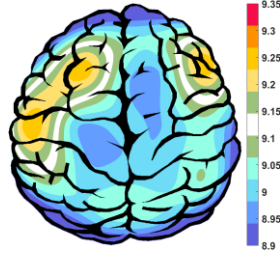
APF(EO)



Frontal APF= 09.92

Posterior APF= 10.25

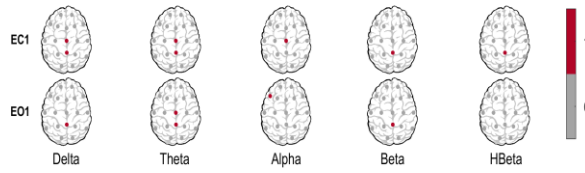
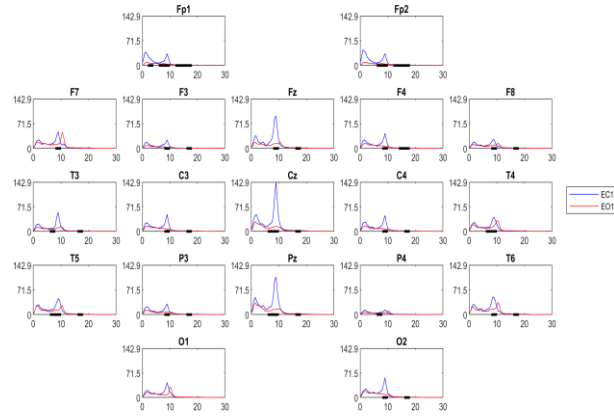
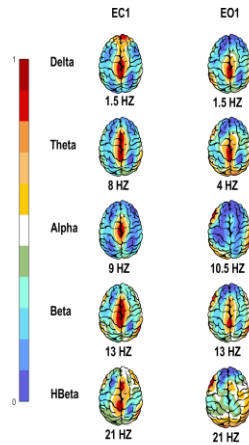
APF(EC)



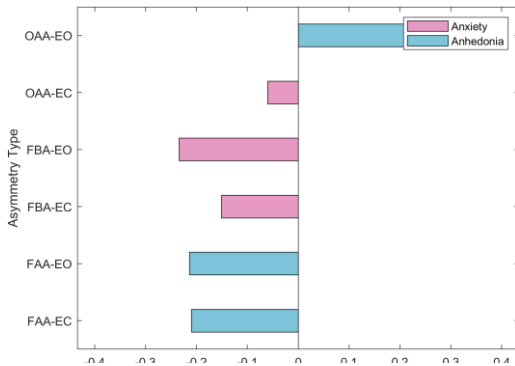
Frontal APF= 09.00

Posterior APF= 09.00

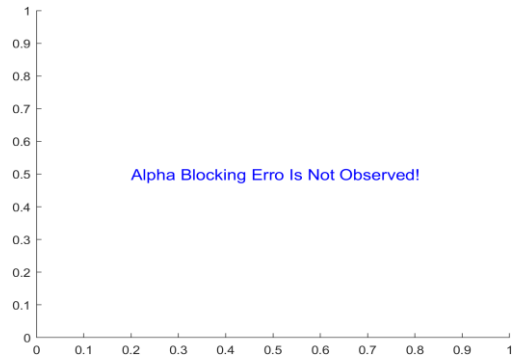
EEG Spectra



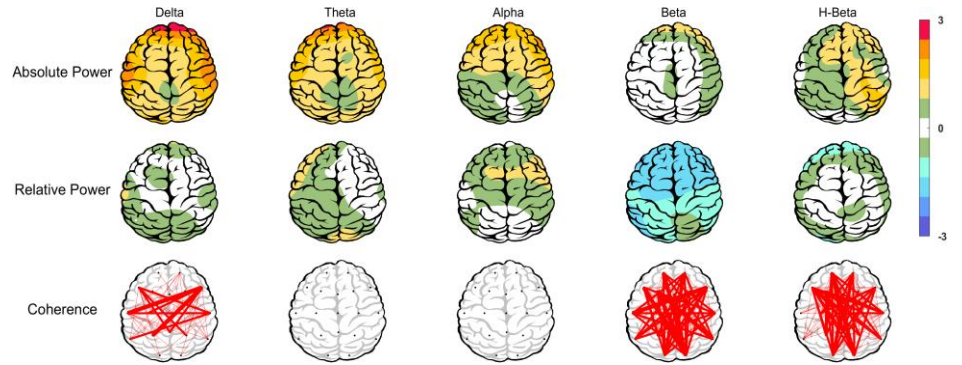
Alpha Asymmetry(AA)



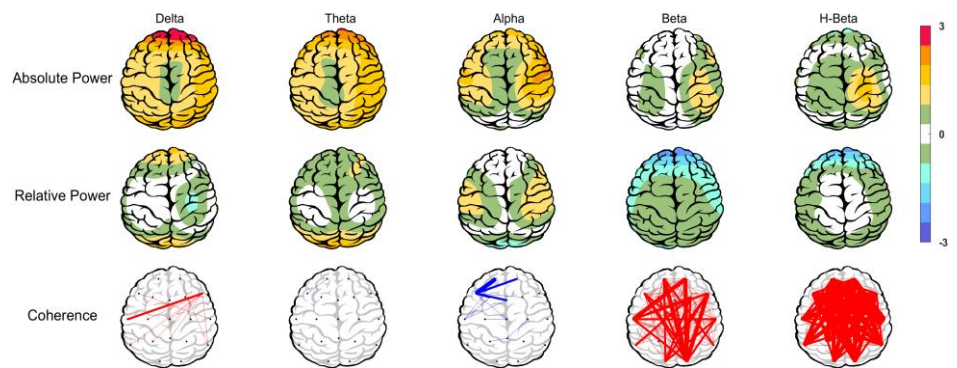
Alpha Blocking



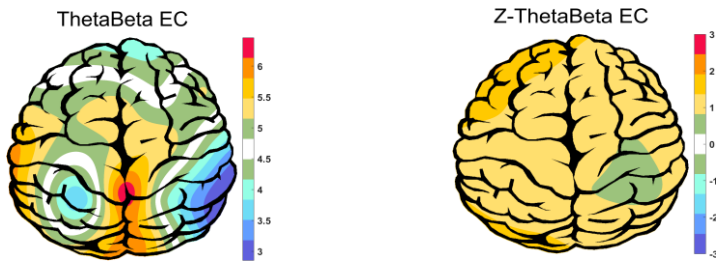
Z Score Summary Information (EC)



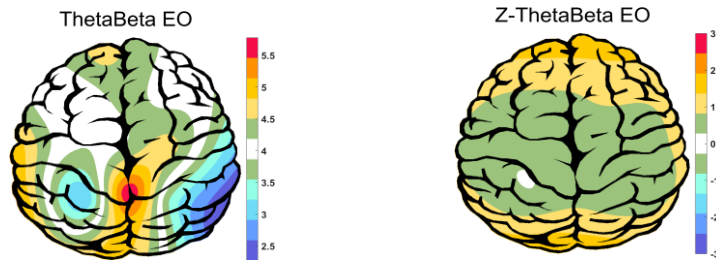
Z Score Summary Information (EO)



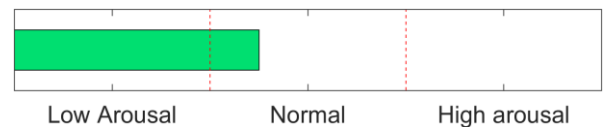
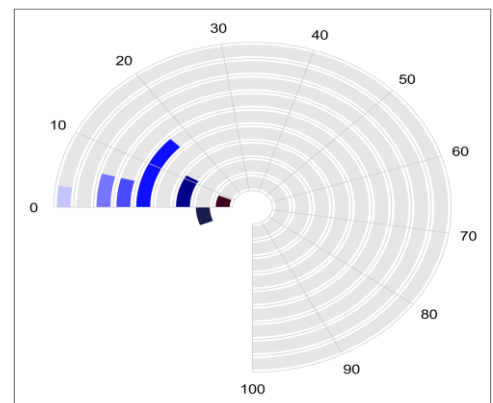
E.C.T/B Ratio (Raw- Z Score)



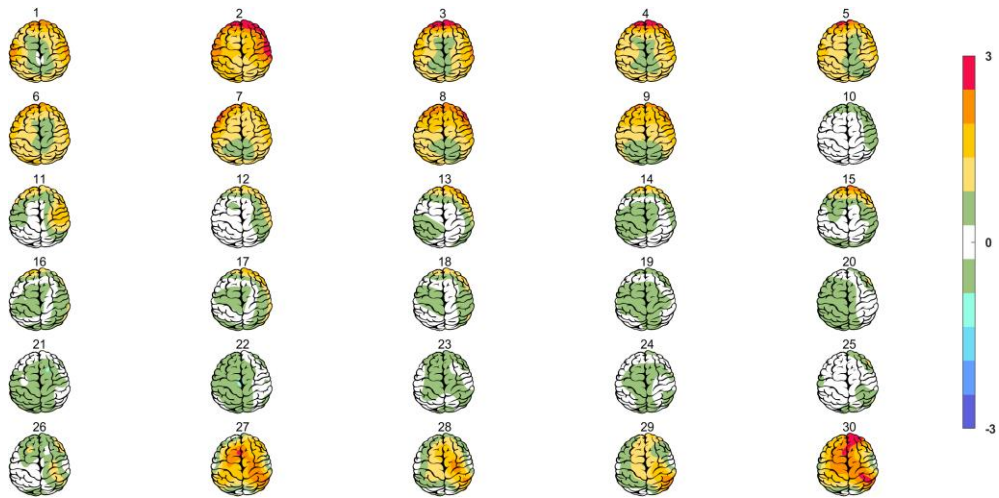
E.O.T/B Ratio (Raw- Z Score)



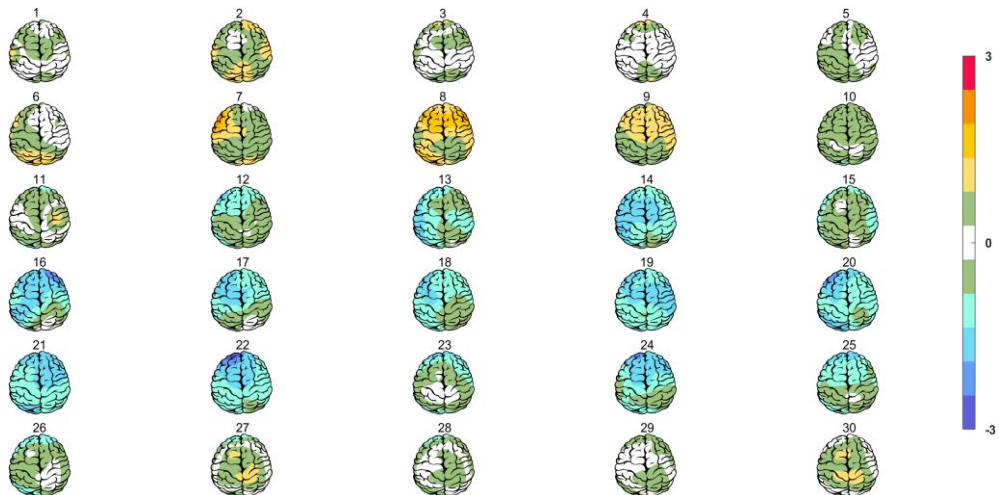
Arousal Level



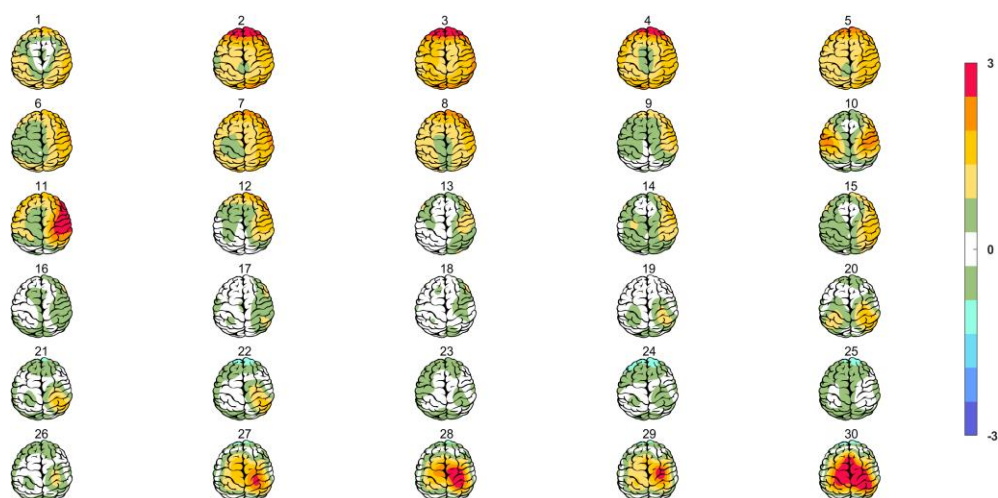
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

