



QEEG Clinical Report

BrainLens V0.4

Report Description



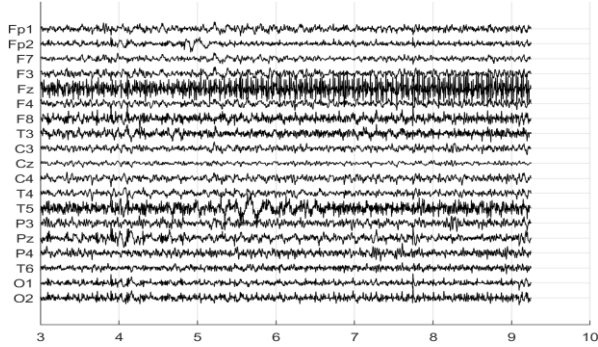
Personal & Clinical Data

Name	Nikan Miryusefi	Date of Recording	09-Nov-2024
Date of Birth - Age	19-Feb-2019 - 5.72	Gender	Male
Handedness(R/L)	Right	Source of Referral	Ms Aliakbari
Initial Diagnosis	ADHD		
Current Medication	-		

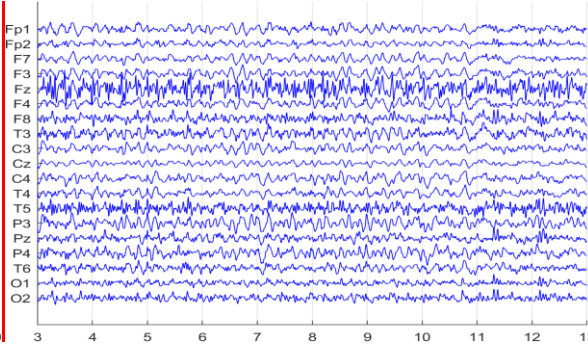
Ms Aliakbari

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



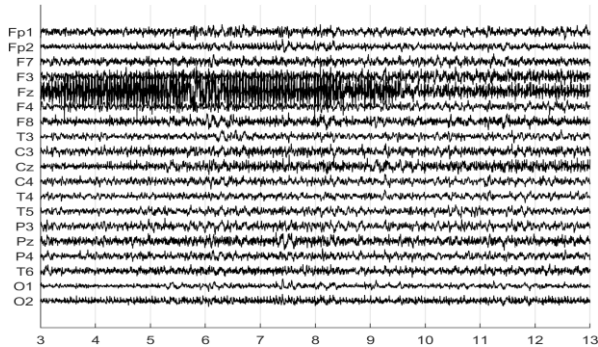
Rejected Channels



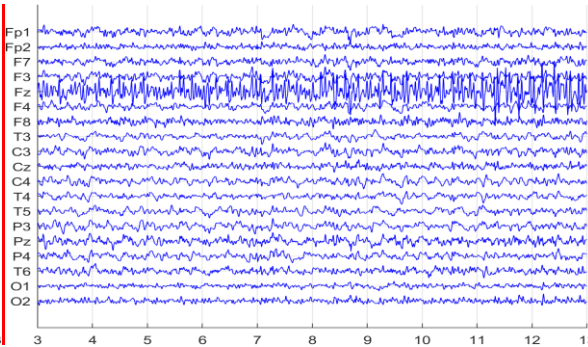
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	0	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		bad		Total Recording Time Remaining	
				29.92 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



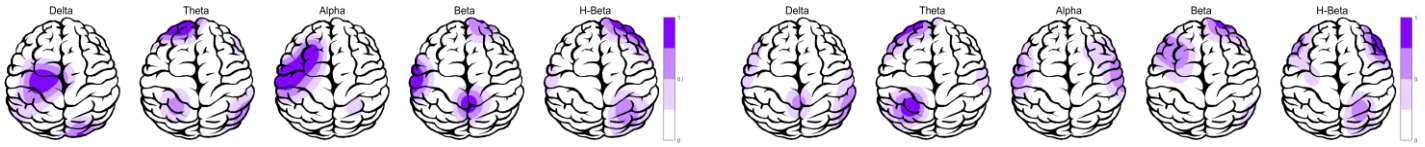
Rejected Channels



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

Pathological assessment for ADHD

Compare to ADHD Database



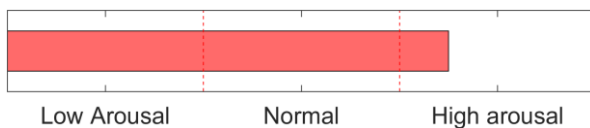
EEG Compatibility with ADHD Diagnosis

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

ADHD Compatibility

ADHD Probability

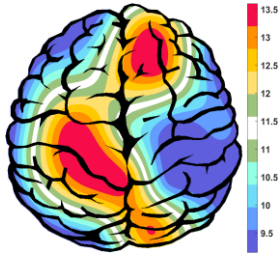
Arousal Level Detection



ADHD Clustering *

1. Prone to moody behavior and temper tantrums. May be anxious, may be highly intelligent, need sufficient sleep, and should avoid high carbohydrate intake. Avoid stimulants, benzodiazepines, SSRI and SNRI. Consider clonidine.

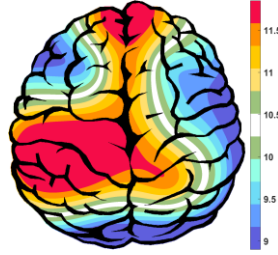
APF(EO)



Frontal APF= 12.00

Posterior APF= 12.13

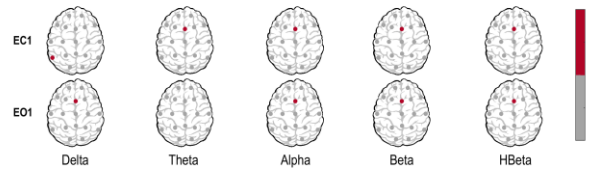
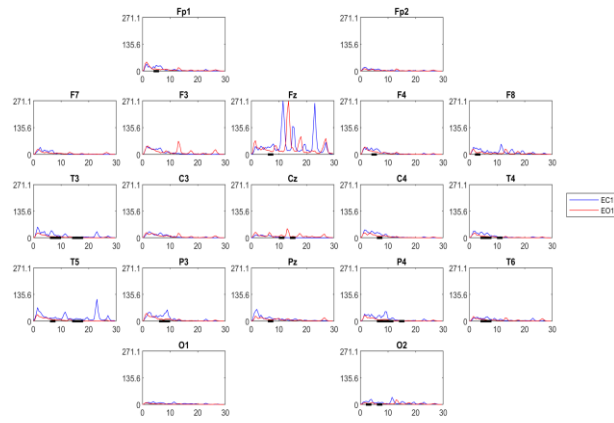
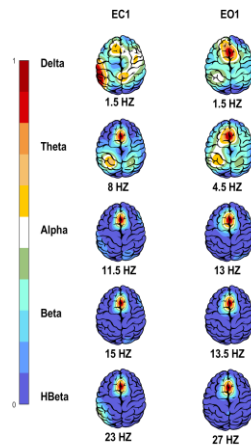
APF(EC)



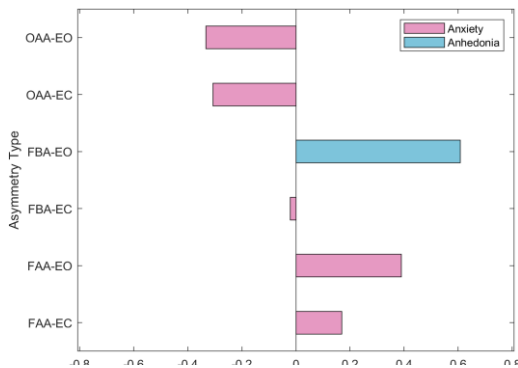
Frontal APF= 10.50

Posterior APF= 11.50

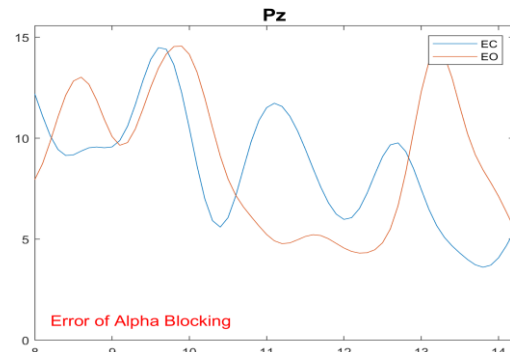
EEG Spectra



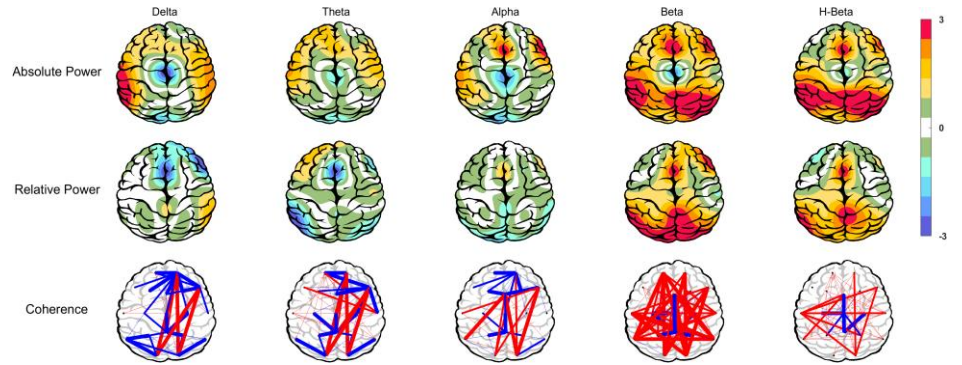
Alpha Asymmetry(AA)



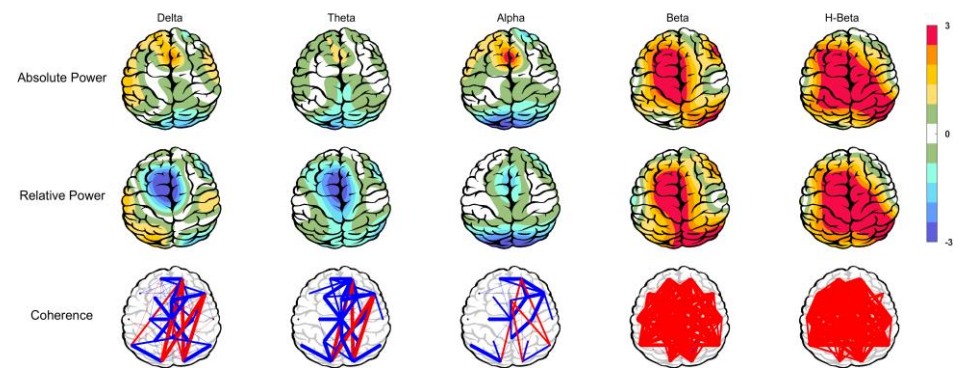
Alpha Blocking



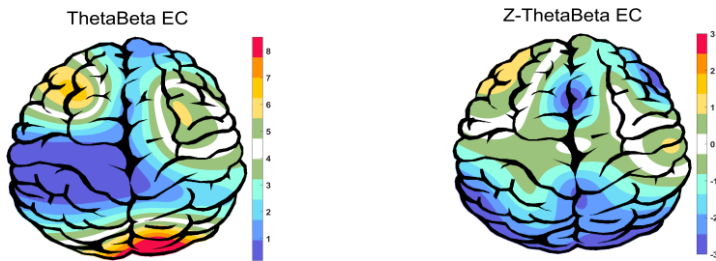
Z Score Summary Information (EC)



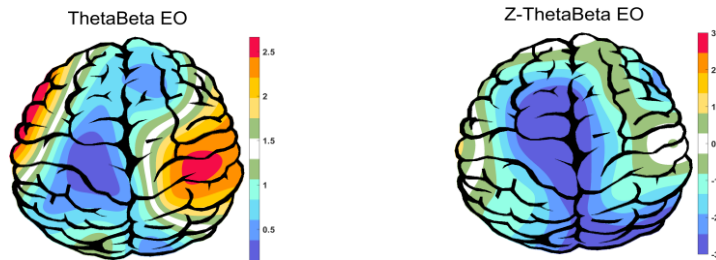
Z Score Summary Information (EO)



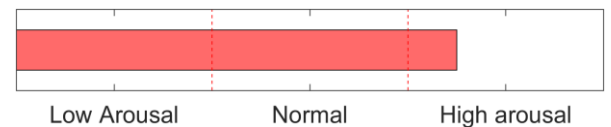
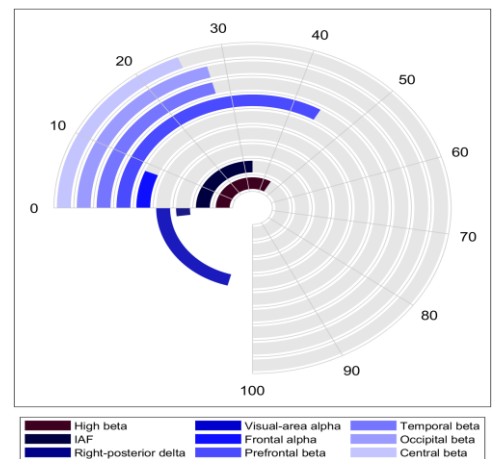
E.C.T/B Ratio (Raw- Z Score)



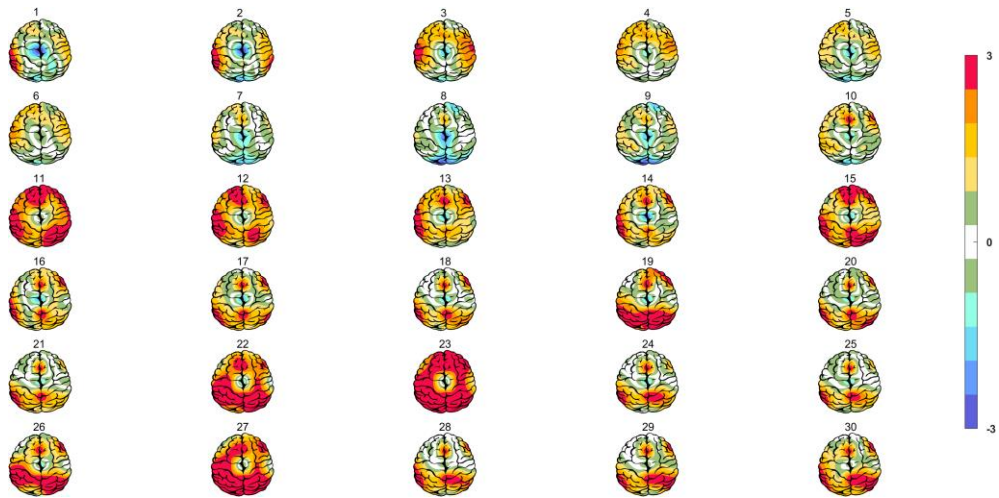
E.O.T/B Ratio (Raw- Z Score)



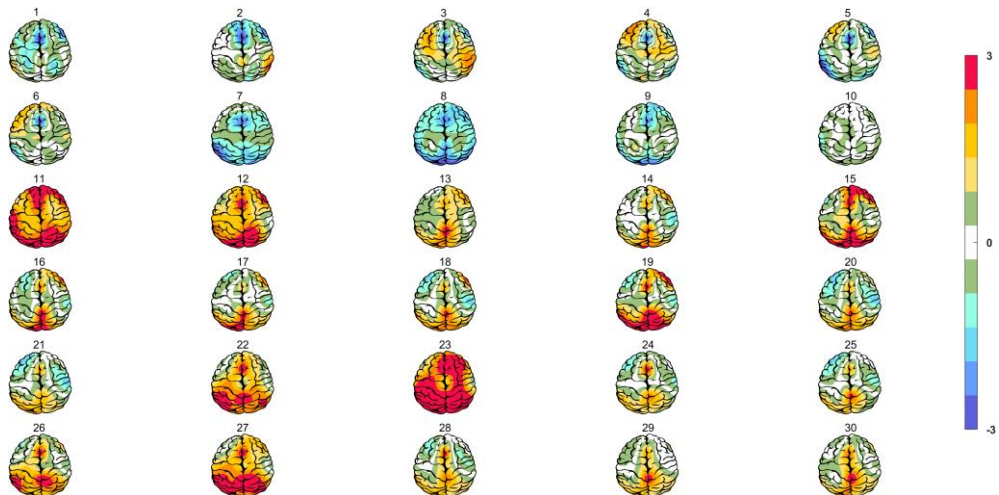
Arousal Level



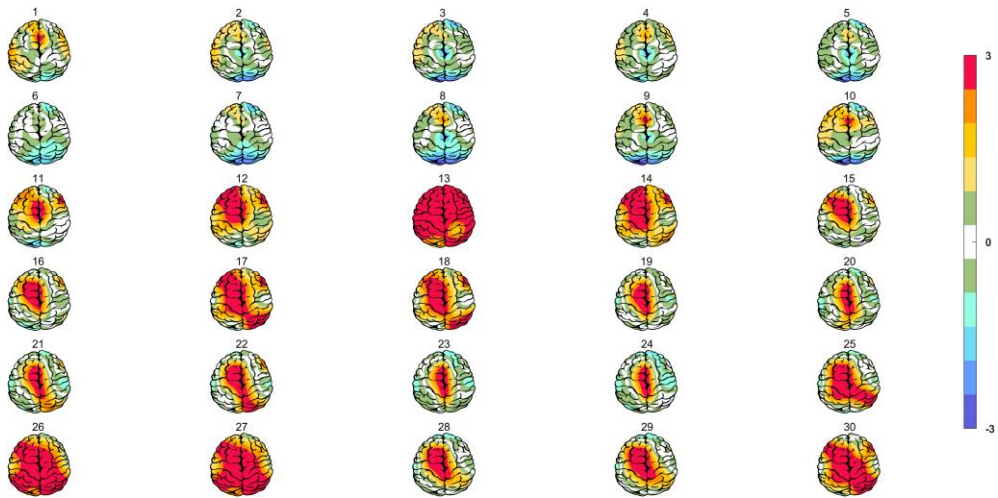
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

