



QEEG Clinical Report

BrainLens V0.4

Report Description

Personal & Clinical Data

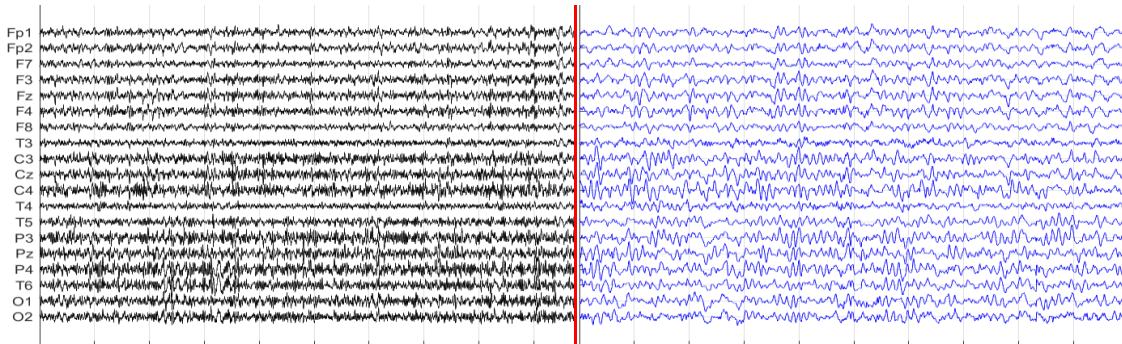
Name	Amirali Ghanbari	Date of Recording	01-Sep-2024
Date of Birth - Age	06-Jun-2010 - 14.24	Gender	Male
Handedness(R/L)	Right	Source of Referral	Movasatschool
Initial Diagnosis	Initial assessment -Attention deficit hyperactivity disorder -Rumination -Depression		
Current Medication	Medication Free		

Movasatschool

Denoising Information (EC)

Raw EEG

Denoised EEG



Flat Channels

Rejected Channels

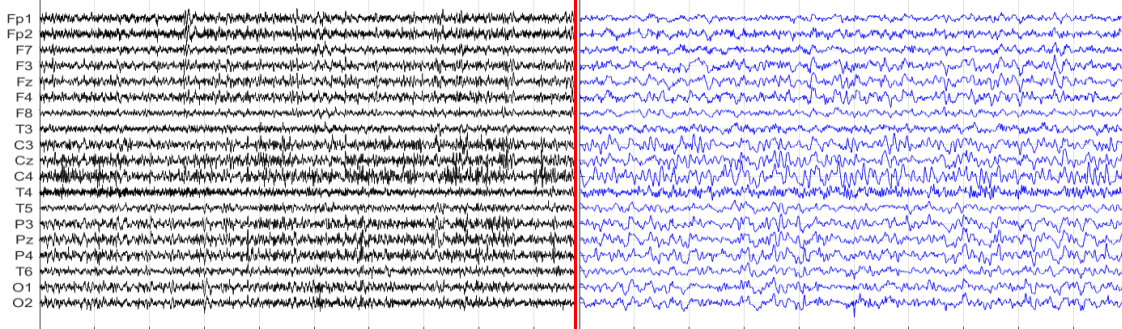


Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	0	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		bad		Total Recording Time Remaining	
				63.52 sec	

Denoising Information (EO)

Raw EEG

Denoised EEG



Flat Channels

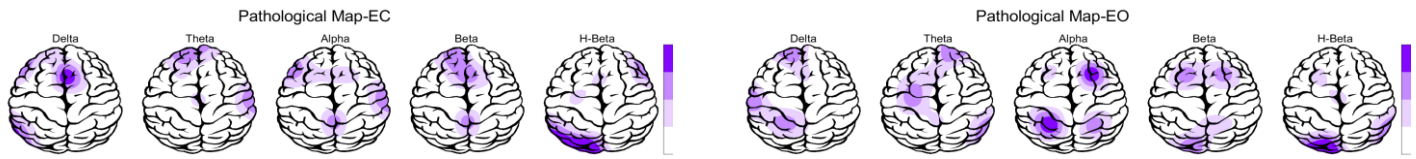
Rejected Channels



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	
				59.78 sec	

Pathological assessment for ADHD

Compare to ADHD Database



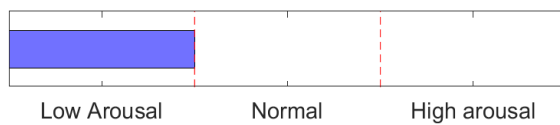
EEG Compatibility with ADHD Diagnosis

ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	0.00	NAN	0.00	NAN
Increased rTheta	1.00	frontal	1.00	frontal
Increased rAlpha	0.00	NAN	0.00	NAN
Increased rBeta	0.00	frontal	0.00	frontal
Decreased SMR	-1.00	global	-0.50	global
Increased T/B Ratio	1.50	Fz and Cz	1.00	Fz and Cz

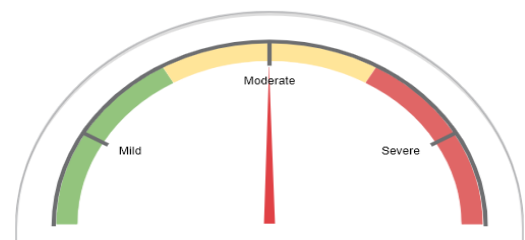
ADHD Probability: 0 10 20 30 40 50 60 70 80 90 100

ADHD Probability: 55

Arousal Level Detection



ADHD Severity

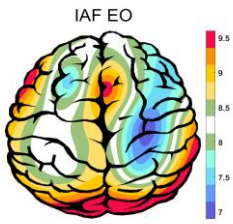


ADHD Clustering *

1. Same inattentive and hyperactive prevalence. Well 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 anticonvulsant medications.

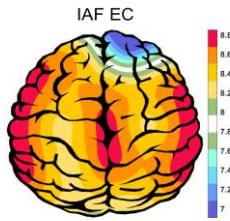
APF(EO)



Frontal APF= 07.83

Posterior APF= 08.75

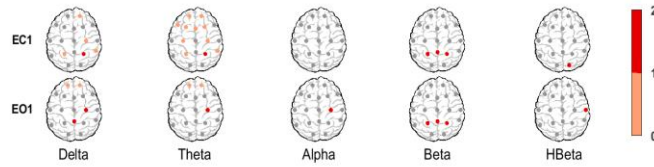
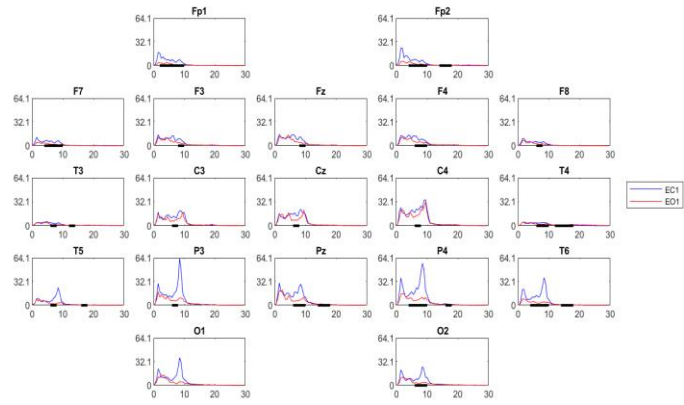
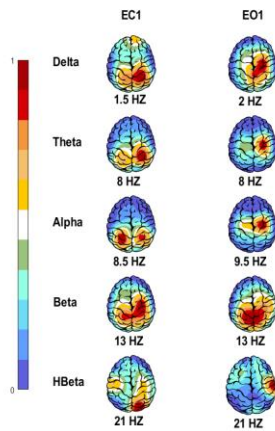
APF(EC)



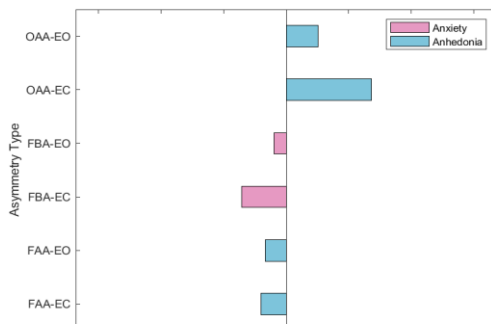
Frontal APF= 08.25

Posterior APF= 08.75

EEG Spectra



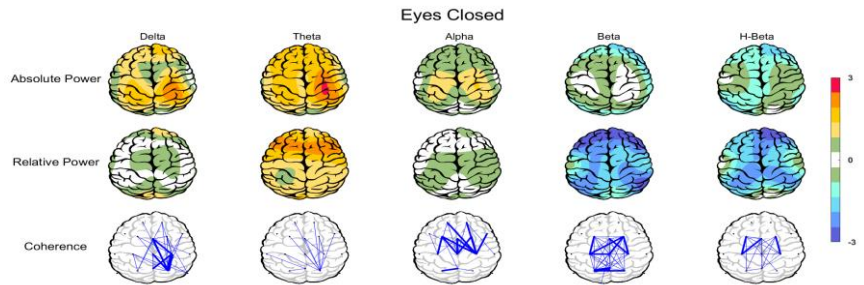
Alpha Asymmetry(AA)



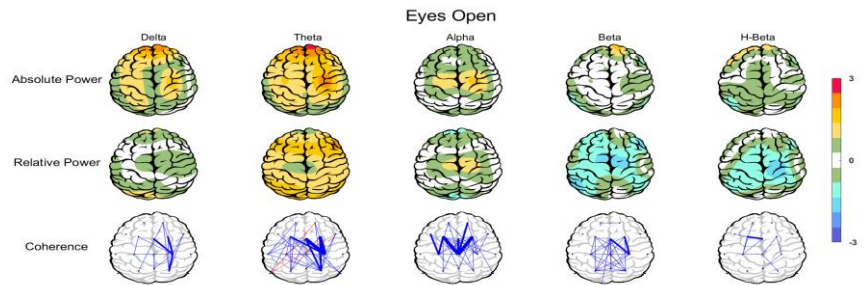
Alpha Blocking



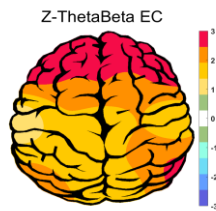
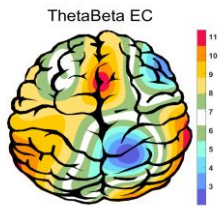
Z Score Summary Information (EC)



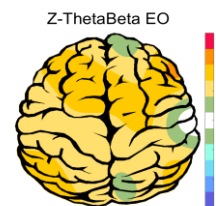
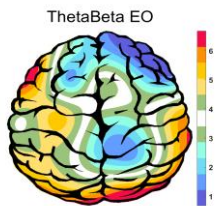
Z Score Summary Information (EO)



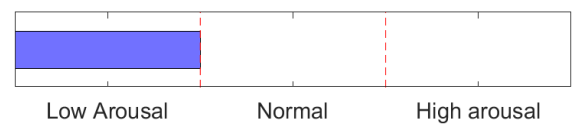
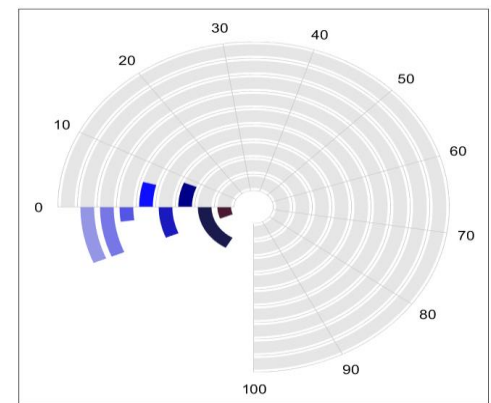
E.C.T/B Ratio (Raw- Z Score)



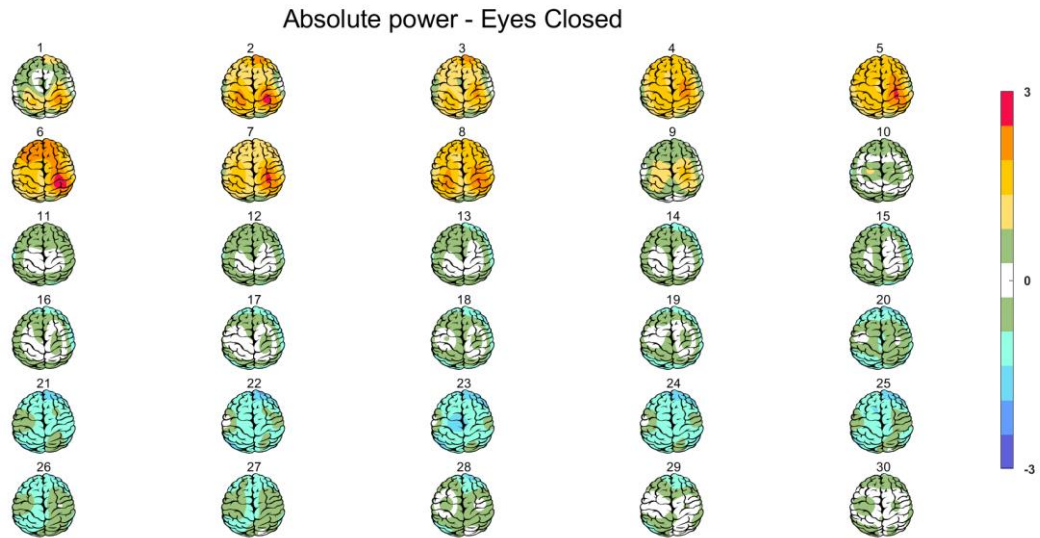
E.O.T/B Ratio (Raw- Z Score)



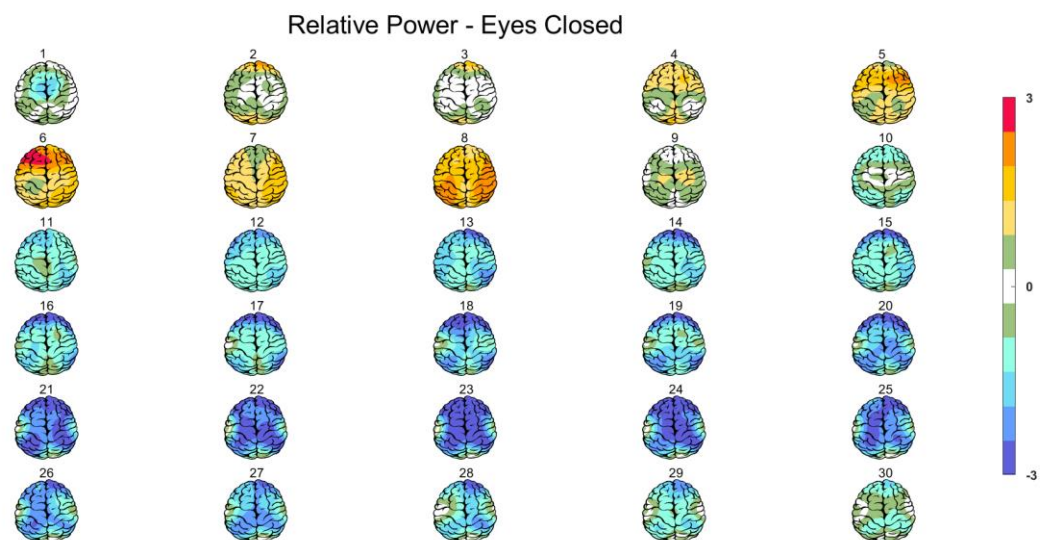
Arousal Level



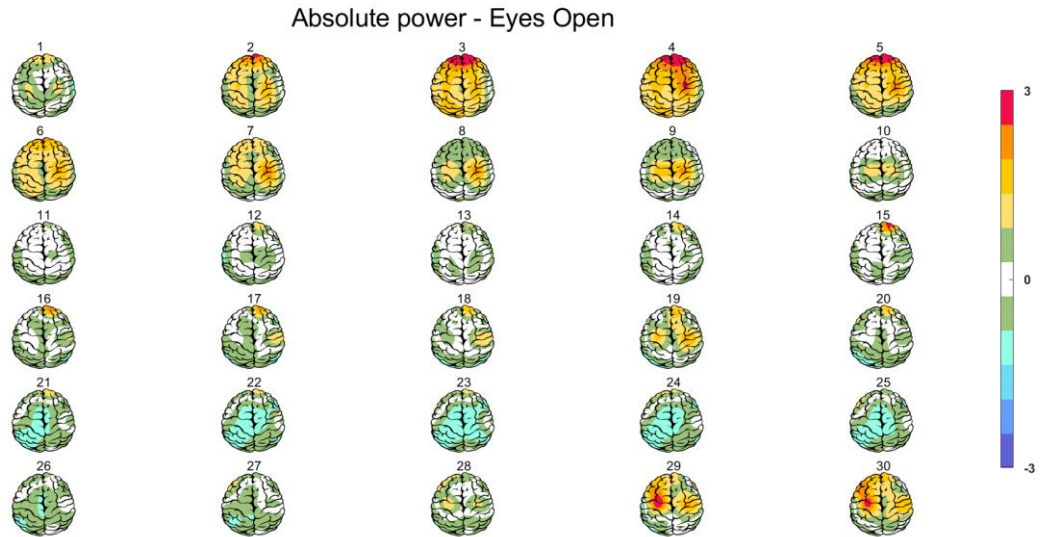
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

