



QEEG Clinical Report

BrainLens V0.4

Report Description



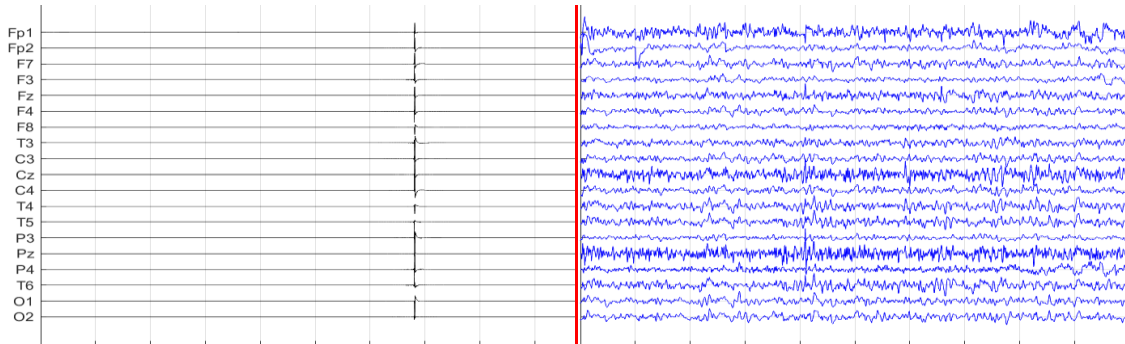
Personal & Clinical Data

Name	Fateme Khataminezhad	Date of Recording	15-Sep-2024
Date of Birth - Age	20-Mar-2012 - 12.49	Gender	Female
Handedness(R/L)	Right	Source of Referral	Ms Ganjeh
Initial Diagnosis	TIC		
Current Medication	Medication Free		

Ms Ganjeh

Denoising Information (EC)

Raw EEG



Denoised EEG

Flat Channels



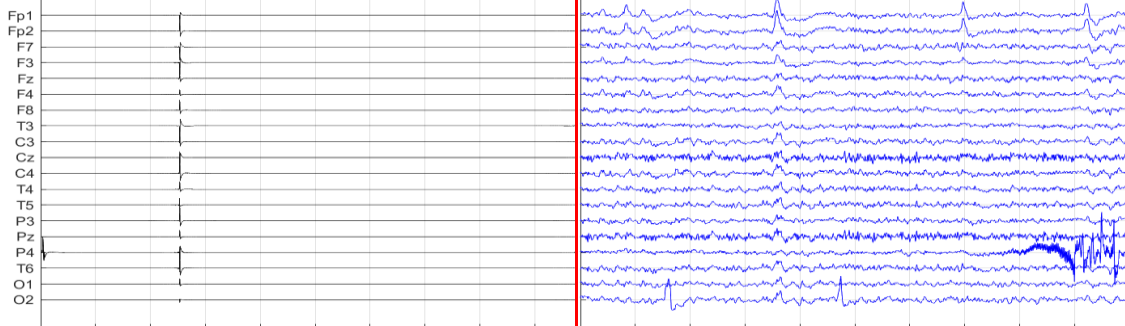
Rejected Channels



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	
				192.94 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG

Flat Channels



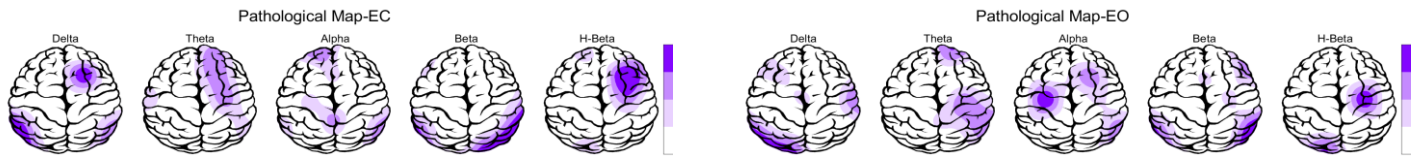
Rejected Channels



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	
				243.80 sec	

Pathological assessment for ADHD

Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis

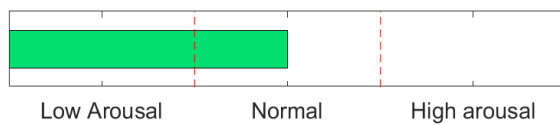
ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	0.00	NAN	1.00	global
Increased rTheta	0.00	NAN	0.00	NAN
Increased rAlpha	0.00	NAN	0.00	NAN
Increased rBeta	0.00	NAN	0.00	NAN
Decreased SMR	0.00	NAN	0.00	NAN
Increased T/B Ratio	0.00	NAN	0.00	NAN

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

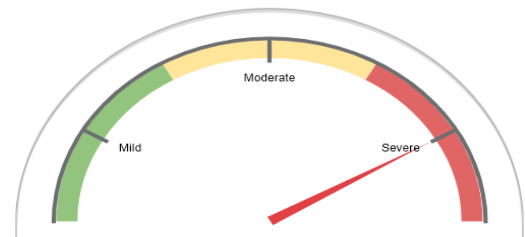
ADHD

ADHD Probability

Arousal Level Detection



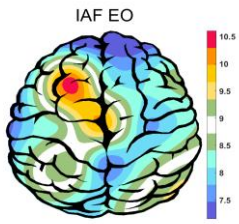
ADHD Severity



ADHD Clustering *

1. Same inattentive and hyperactive prevalence. Well respond to stimulants.

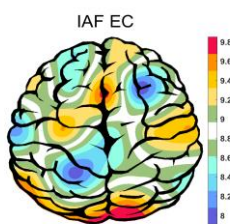
APF(EO)



Frontal APF= 08.08

Posterior APF= 08.75

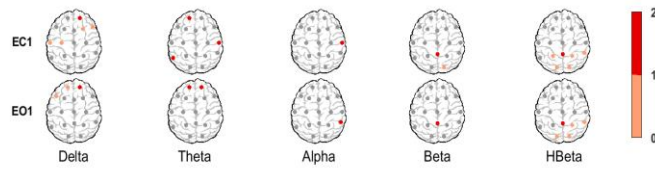
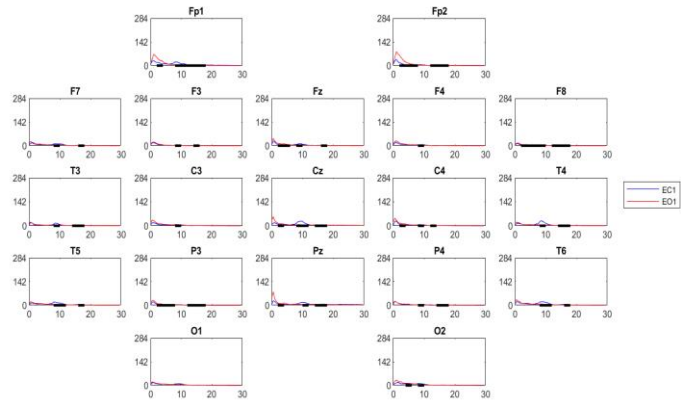
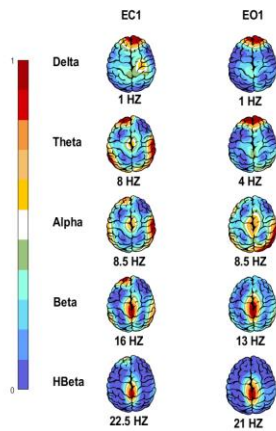
APF(EC)



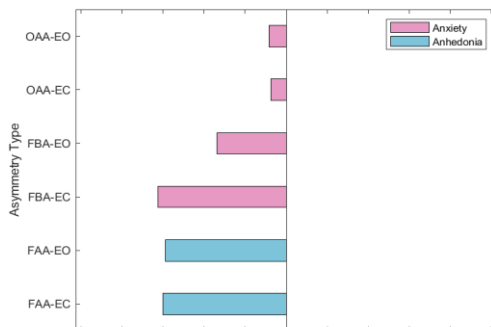
Frontal APF= 08.92

Posterior APF= 08.50

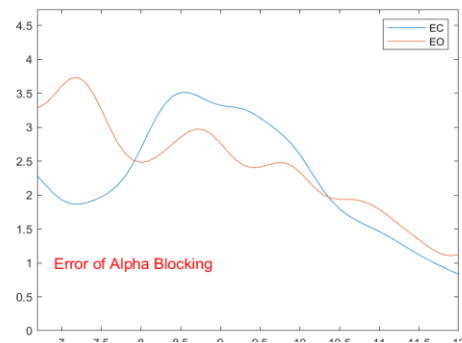
EEG Spectra



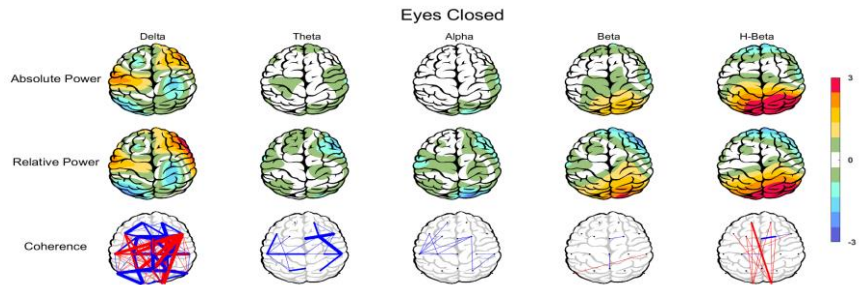
Alpha Asymmetry(AA)



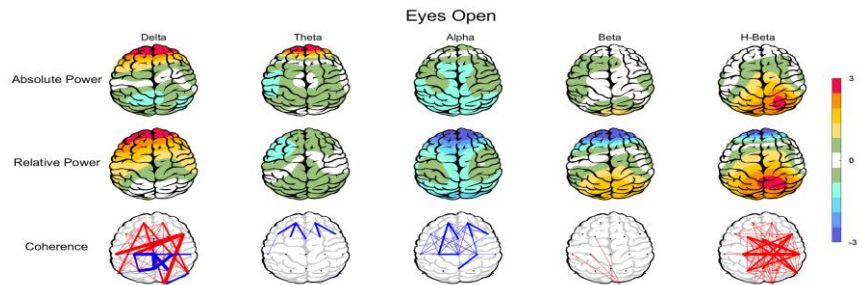
Alpha Blocking



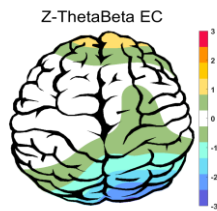
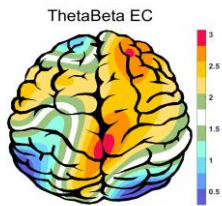
Z Score Summary Information (EC)



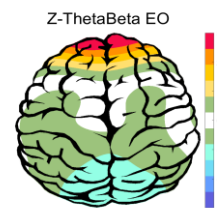
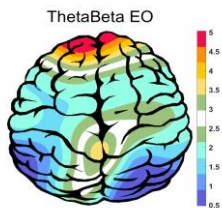
Z Score Summary Information (EO)



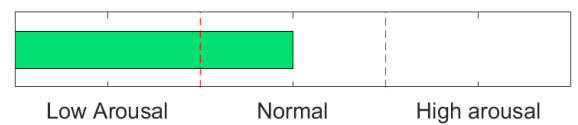
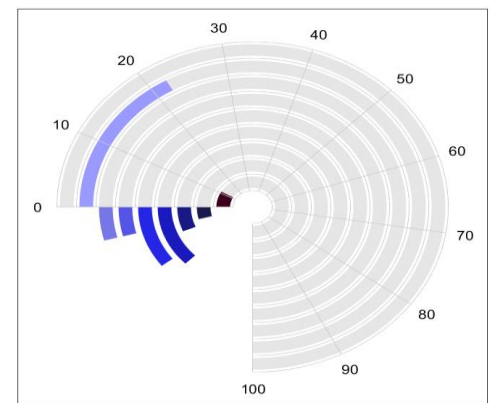
E.C.T/B Ratio (Raw- Z Score)



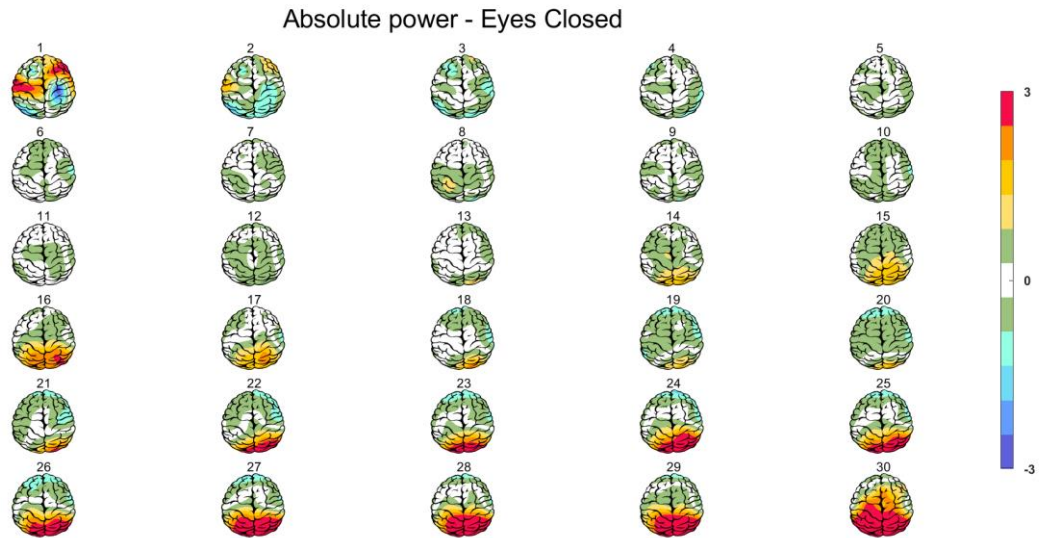
E.O.T/B Ratio (Raw- Z Score)



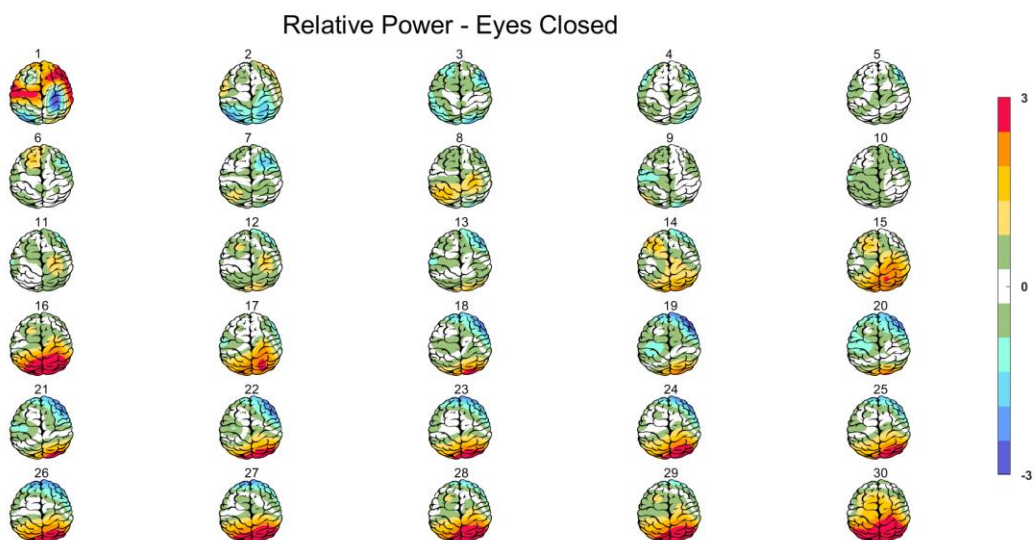
Arousal Level



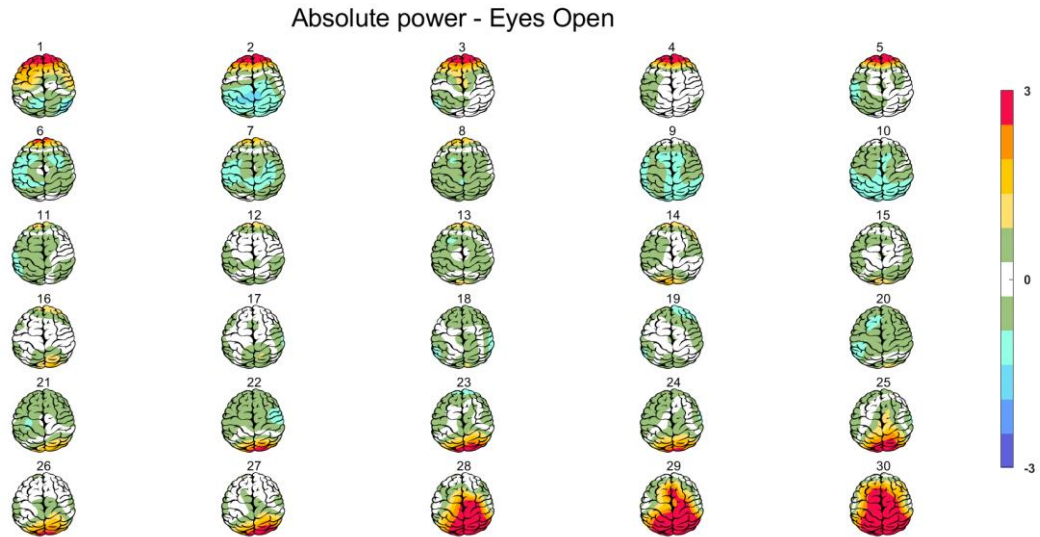
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

