



QEEG Clinical Report

BrainLens V0.4

Report Description



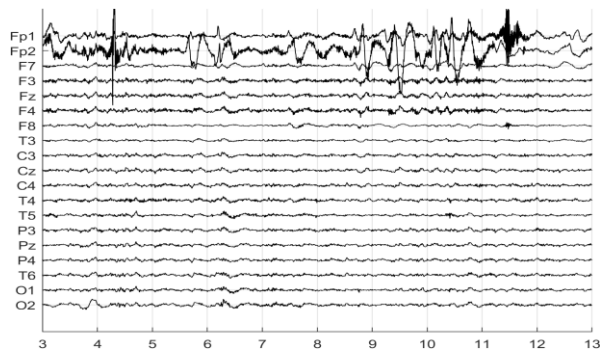
Personal & Clinical Data

Name	Adrina Kazemi	Date of Recording	13-Oct-2024
Date of Birth - Age	31-Dec-2016 - 7.78	Gender	Female
Handedness(R/L)	Right	Source of Referral	Rahnemon Clinic
Initial Diagnosis	Autism		
Current Medication	Clozam-Sodium valproate(Valproate sodium)		

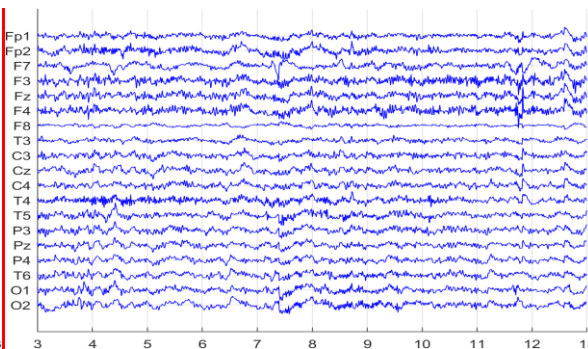
Rahnemon Clinic

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



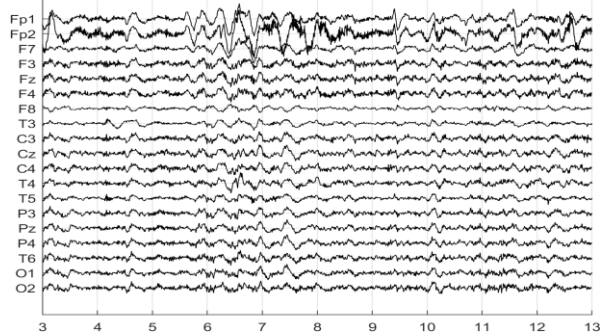
Rejected Channels



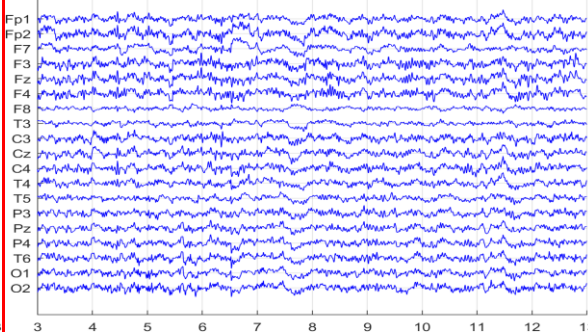
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		bad		Total Recording Time Remaining	
				125.68 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



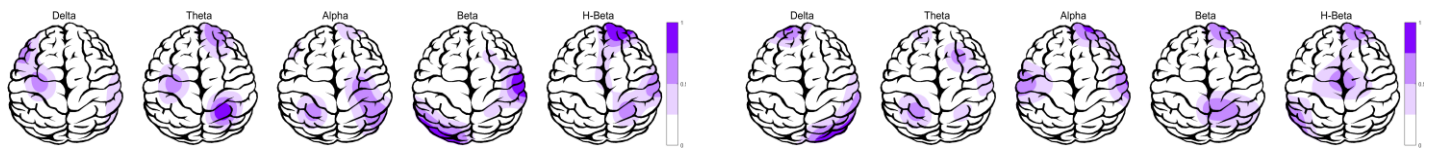
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	2	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				592.18 sec	

Pathological assessment for ADHD

Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis

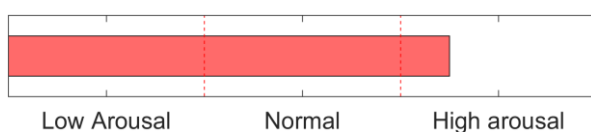
ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	1.00	global	0.00	NAN
Increased rTheta	0.00	NAN	0.00	NAN
Increased rAlpha	0.00	NAN	0.00	NAN
Increased rBeta	2.00	NAN	2.00	NAN
Decreased SMR	0.00	NAN	0.00	NAN
Increased T/B Ratio	0.00	NAN	0.00	NAN

ADHD

ADHD Compatibility

ADHD Probability

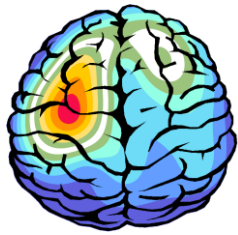
Arousal Level Detection



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.

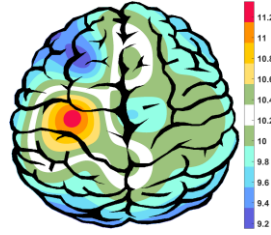
APF(EO)



Frontal APF= 10.83

Posterior APF= 10.00

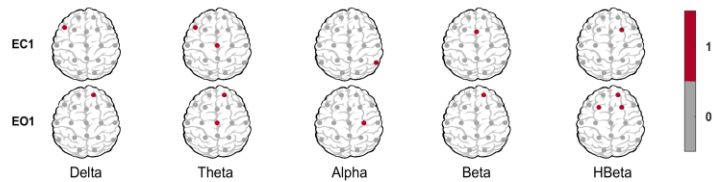
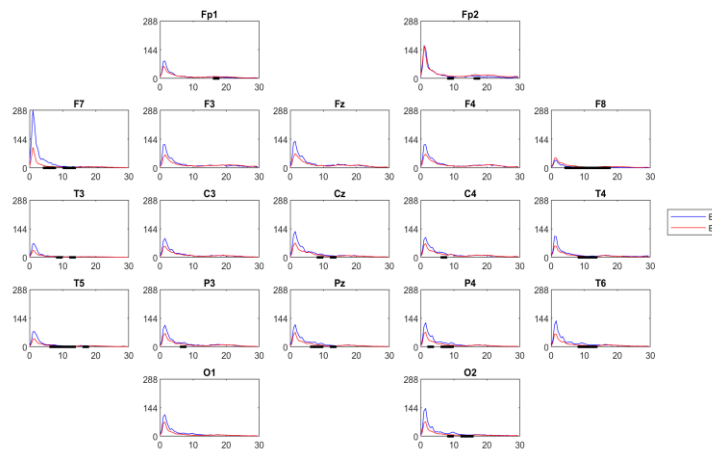
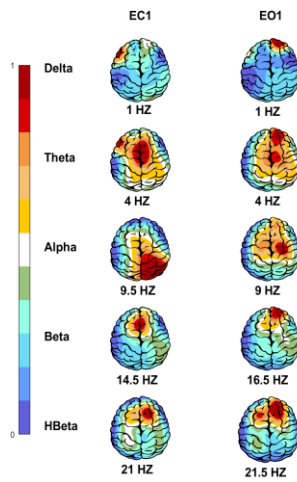
APF(EC)



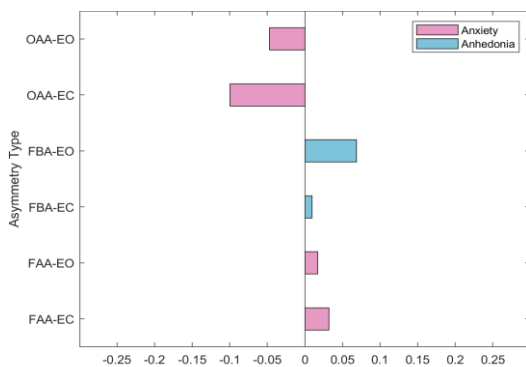
Frontal APF= 10.42

Posterior APF= 10.13

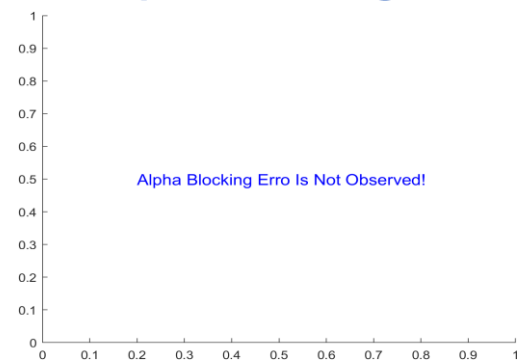
EEG Spectra



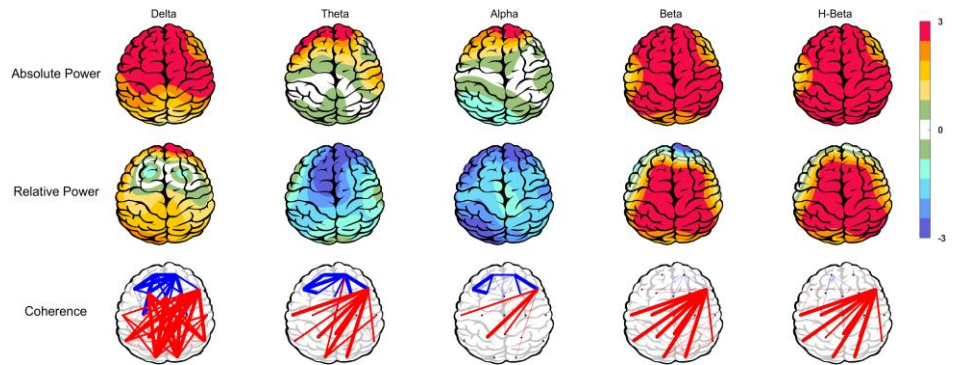
Alpha Asymmetry(AA)



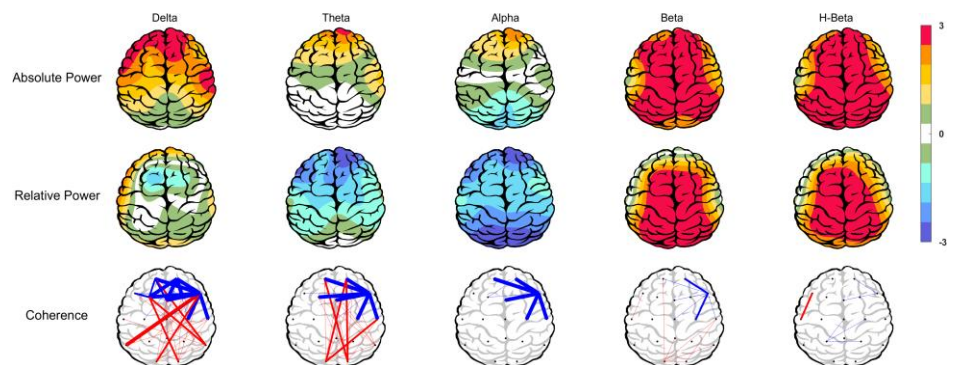
Alpha Blocking



Z Score Summary Information (EC)



Z Score Summary Information (EO)



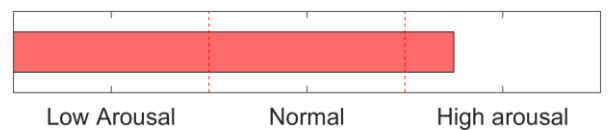
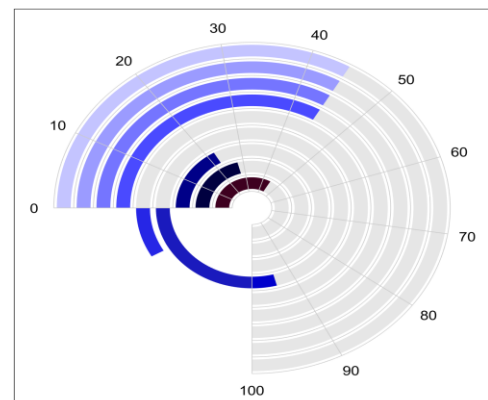
E.C.T/B Ratio (Raw- Z Score)



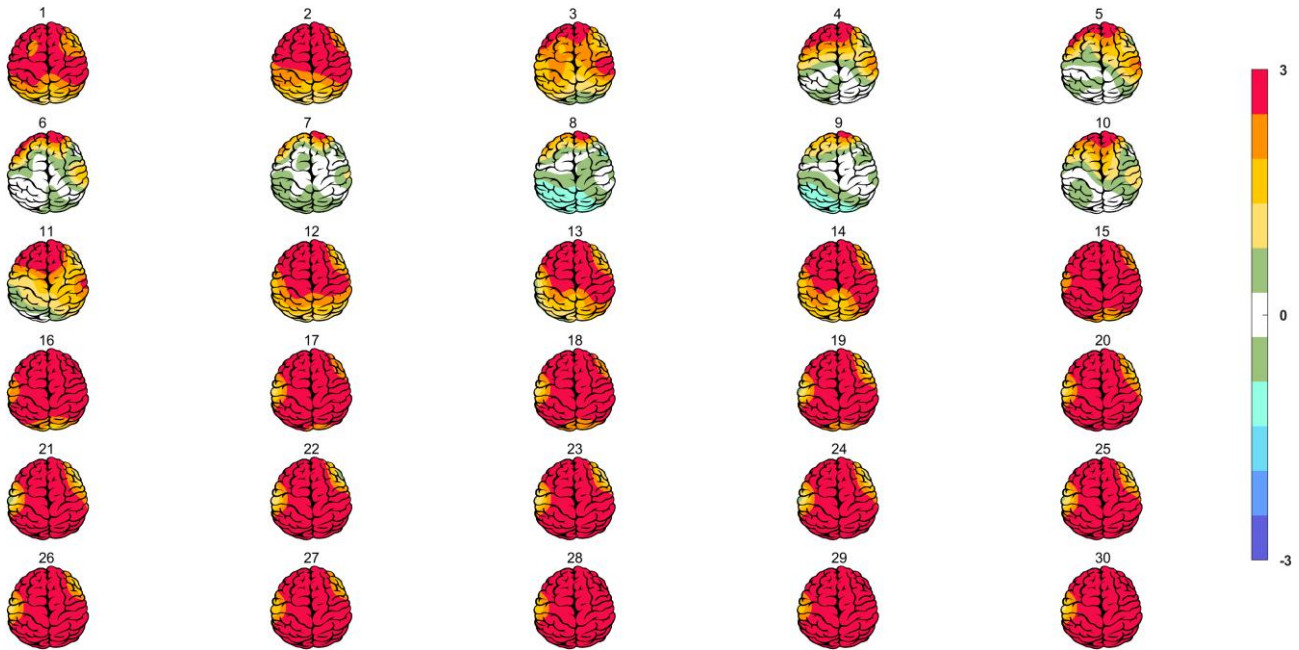
E.O.T/B Ratio (Raw- Z Score)



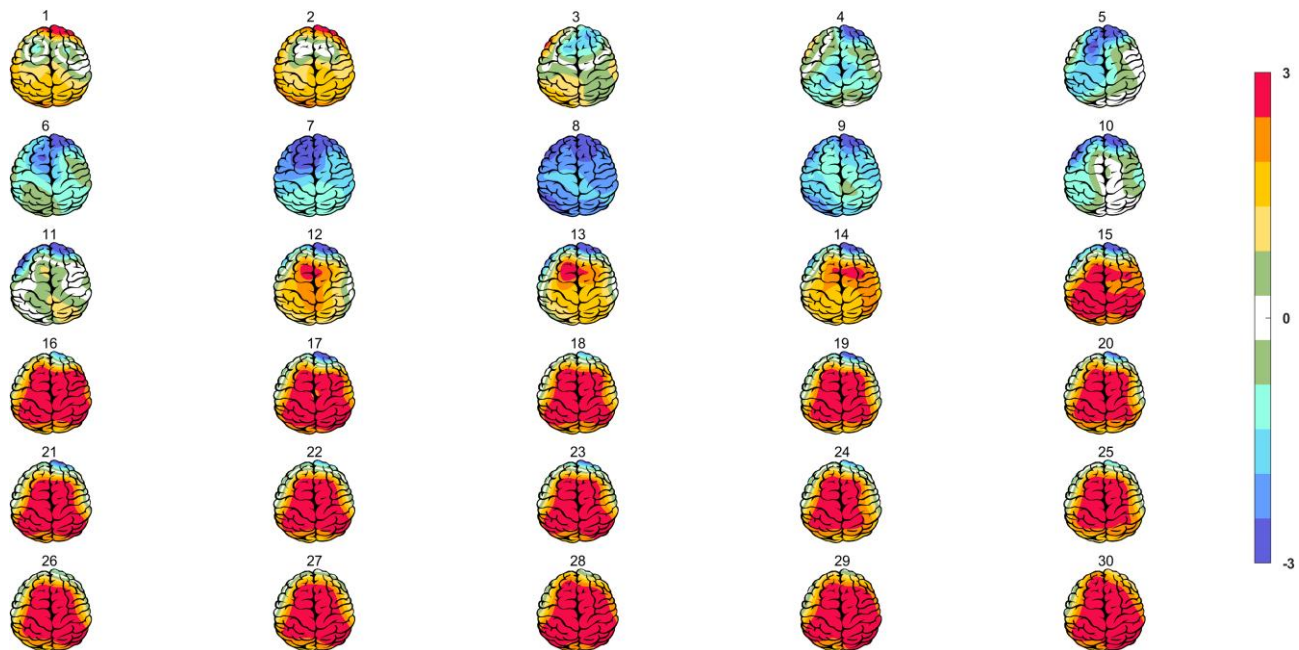
Arousal Level



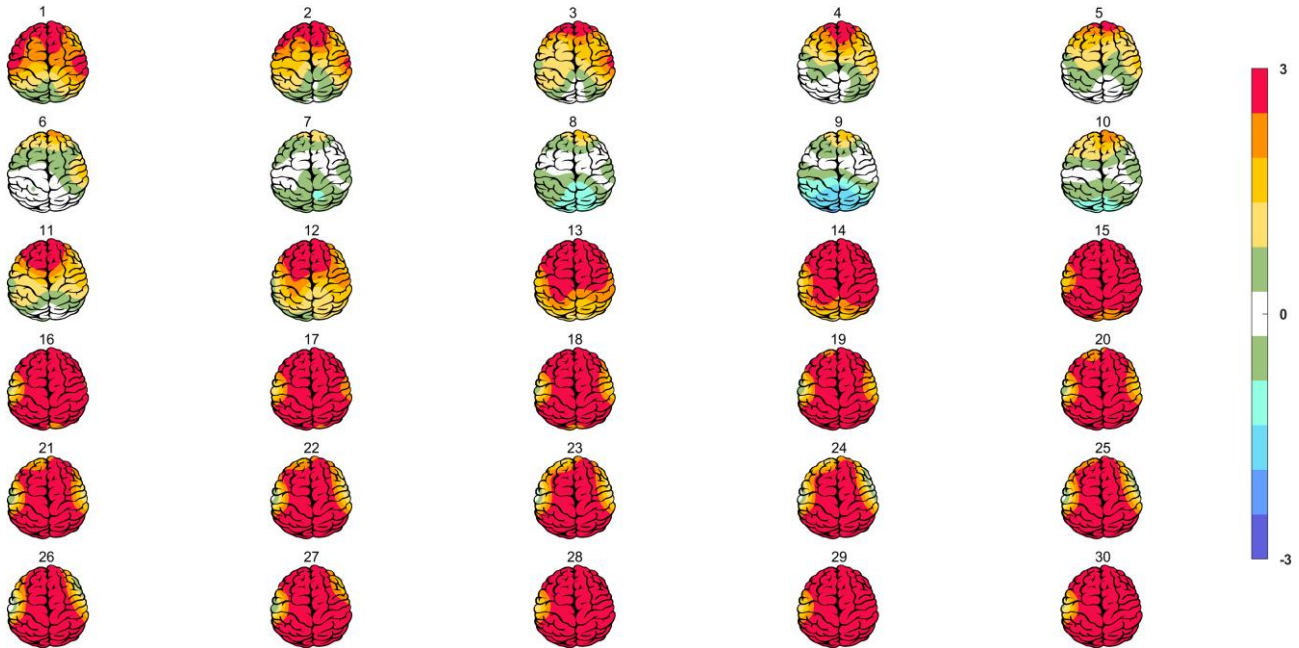
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

