



QEEG Clinical Report

BrainLens V0.4

Report Description



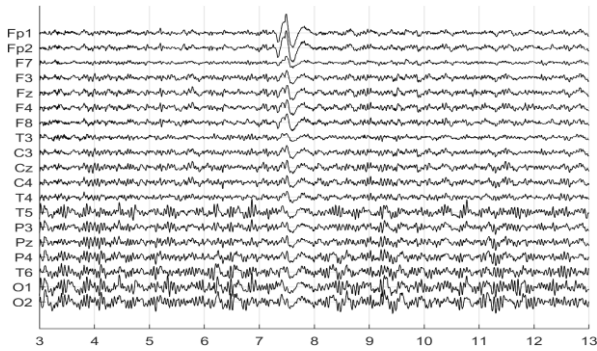
Personal & Clinical Data

Name	Arsha Mohebi	Date of Recording	19-Sep-2024
Date of Birth - Age	12-Feb-2013 - 11.6	Gender	Male
Handedness(R/L)	Right	Source of Referral	Rahnemon Clinic
Initial Diagnosis	Stuttering		
Current Medication	Favsim		

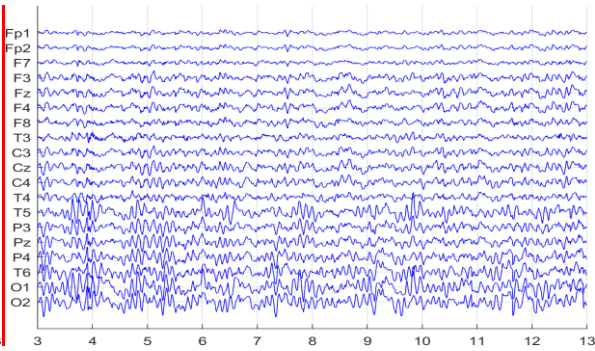
Rahnemon Clinic

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



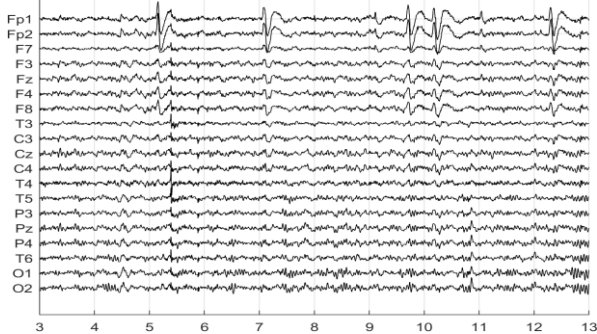
Rejected Channels



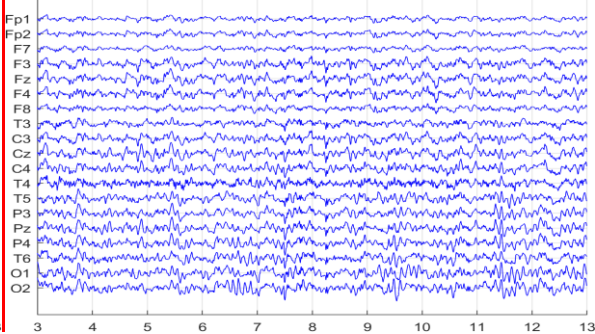
Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	2	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				124.83 sec	

Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



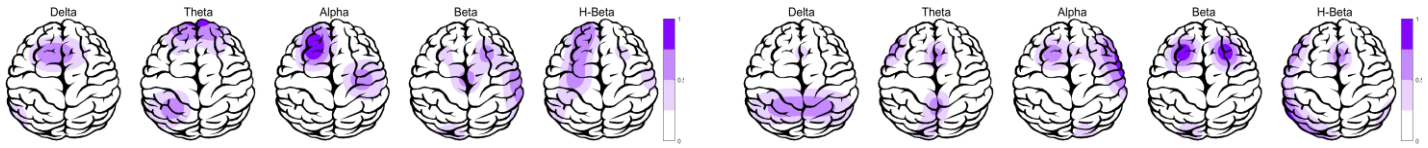
Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	1		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				256.90 sec	

Pathological assessment for ADHD

Compare to ADHD Database



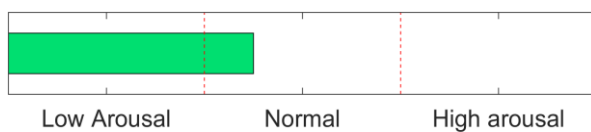
EEG Compatibility with ADHD Diagnosis

ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	0.50	global	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	-1.00	global	-1.00	global
Increased T/B Ratio	1.00	Cz	0.50	Fz and Cz

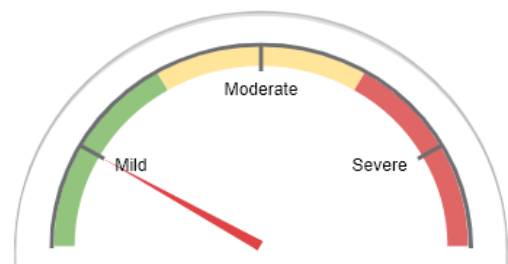
ADHD Compatibility: 0 to 100

ADHD Probability: 0.55

Arousal Level Detection



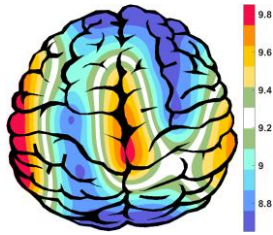
ADHD Severity



ADHD Clustering *

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

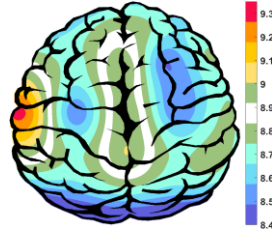
APF(EO)



Frontal APF= 08.75

Posterior APF= 09.75

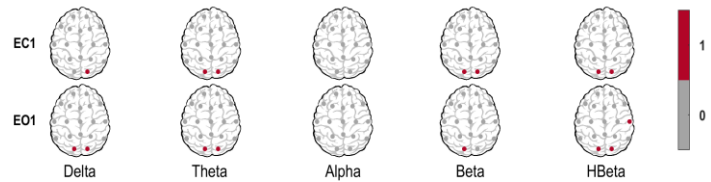
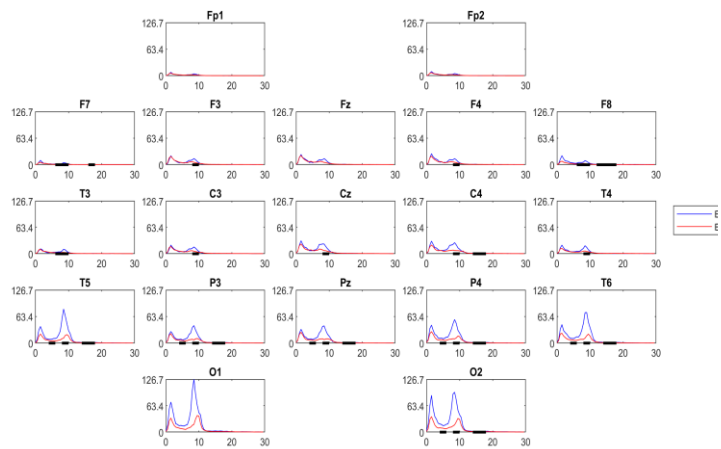
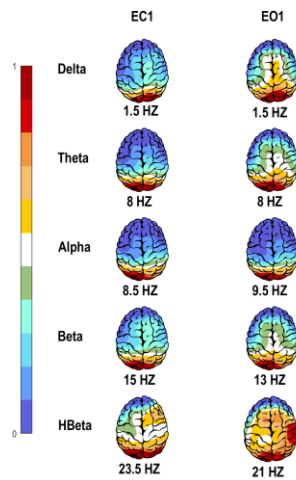
APF(EC)



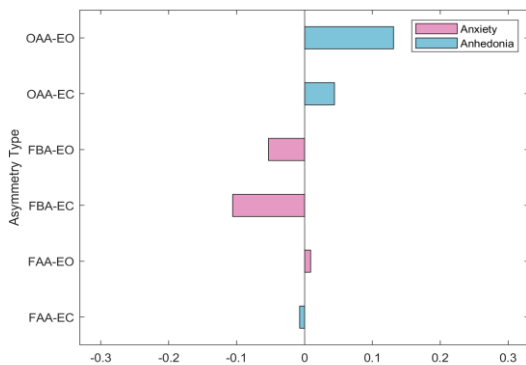
Frontal APF= 08.50

Posterior APF= 09.00

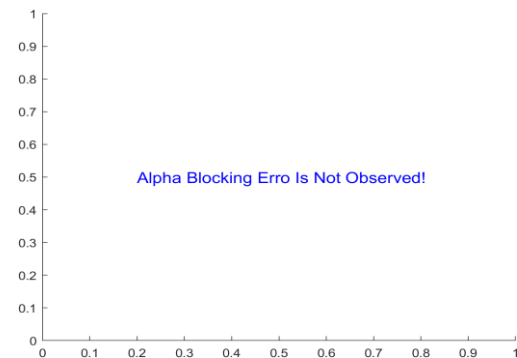
EEG Spectra



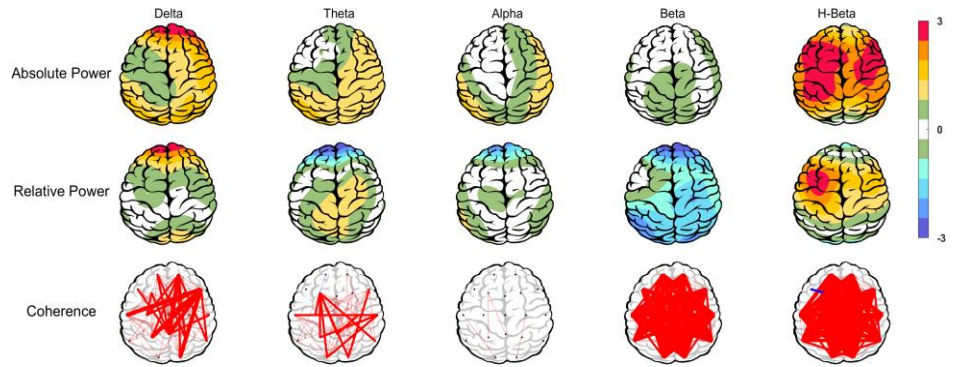
Alpha Asymmetry(AA)



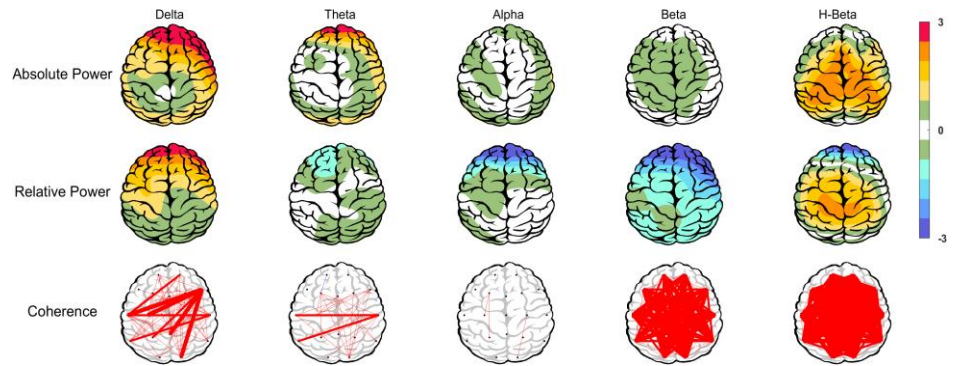
Alpha Blocking



Z Score Summary Information (EC)



Z Score Summary Information (EO)



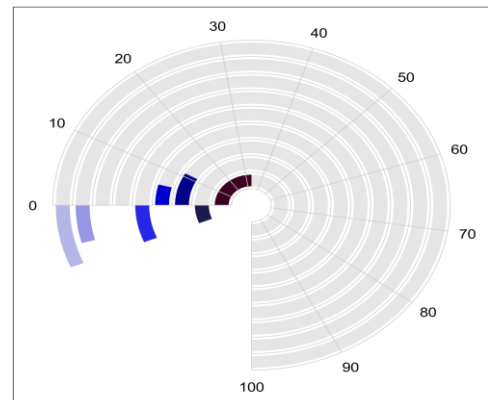
E.C.T/B Ratio (Raw- Z Score)



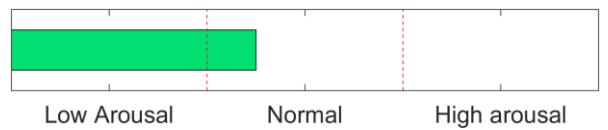
E.O.T/B Ratio (Raw- Z Score)



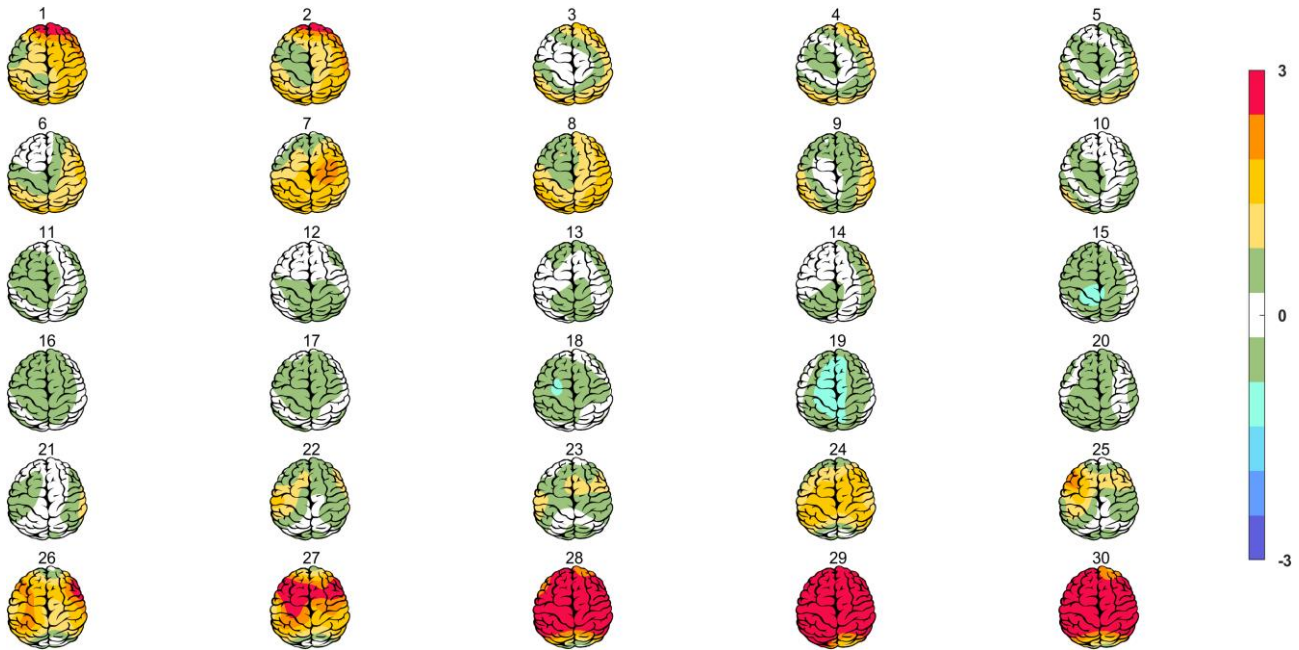
Arousal Level



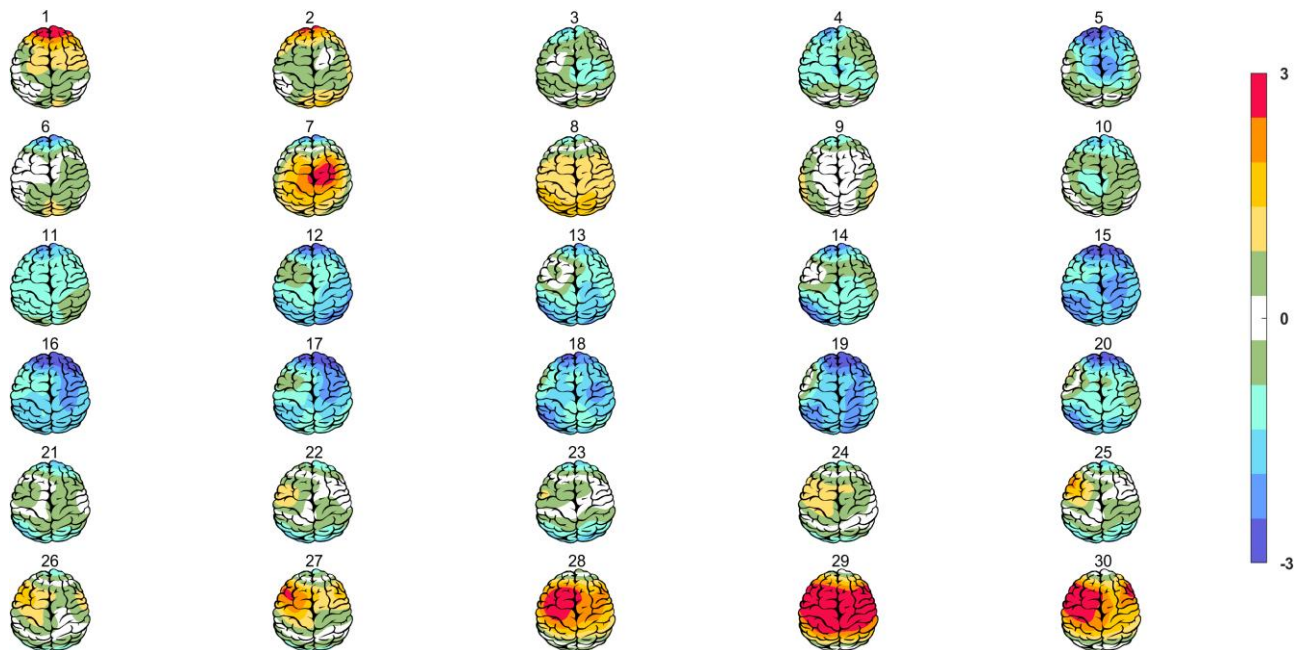
High beta
IAF
Right-posterior delta
Visual-area alpha
Frontal alpha
Prefrontal beta
Temporal beta
Occipital beta
Central beta



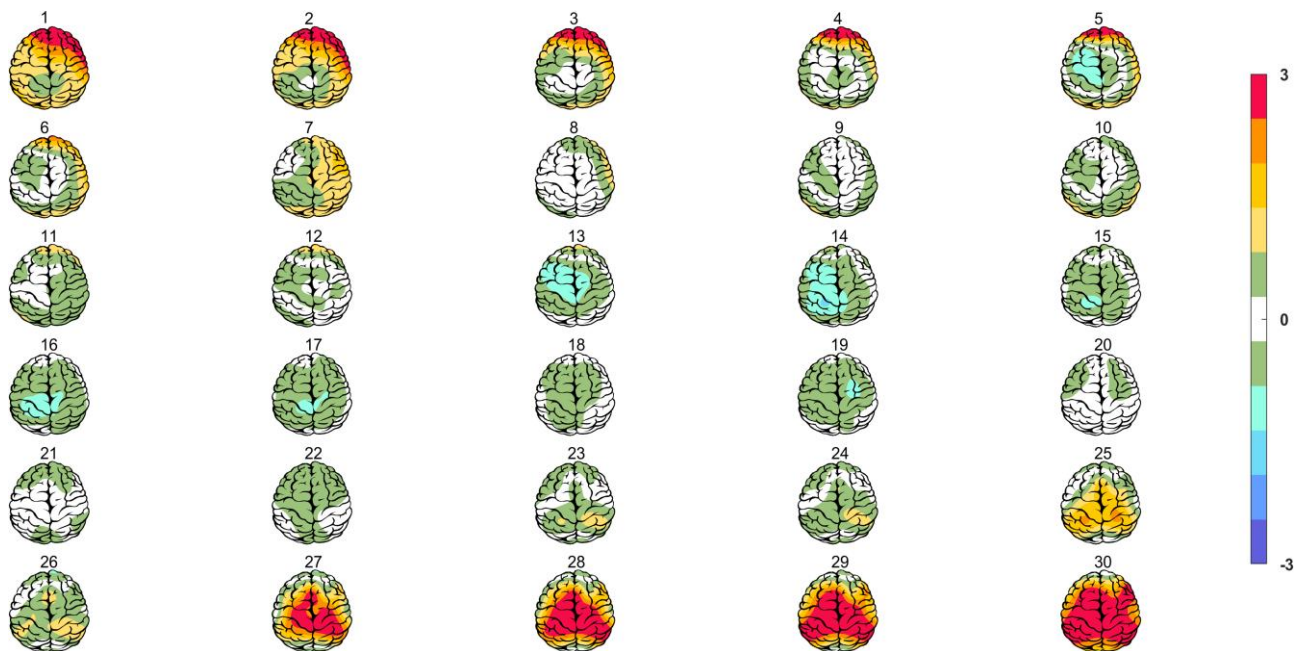
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

