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QEEG Clinical Report

BrainLens V0.4



Report Description

Personal & Clinical Data

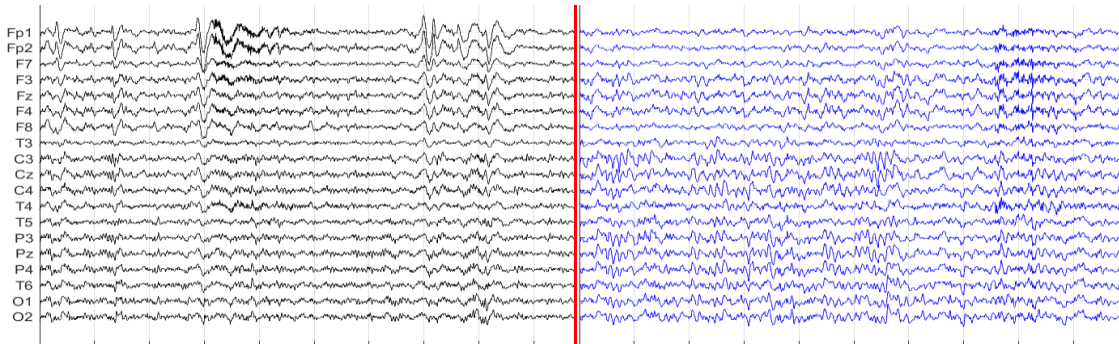
Name	Gandom Darkaei	Date of Recording	27-Aug-2024
Date of Birth - Age	09-Feb-2015 - 9.55	Gender	Female
Handedness(R/L)	Right	Source of Referral	Rahnemon Clinic
Initial Diagnosis	Hyperactivity, attention deficit, impulsivity, anxiety, low endurance, talkativeness		
Current Medication	Medication Free		

Rahnemon Clinic

Denoising Information (EC)

Raw EEG

Denoised EEG



Flat Channels

Rejected Channels

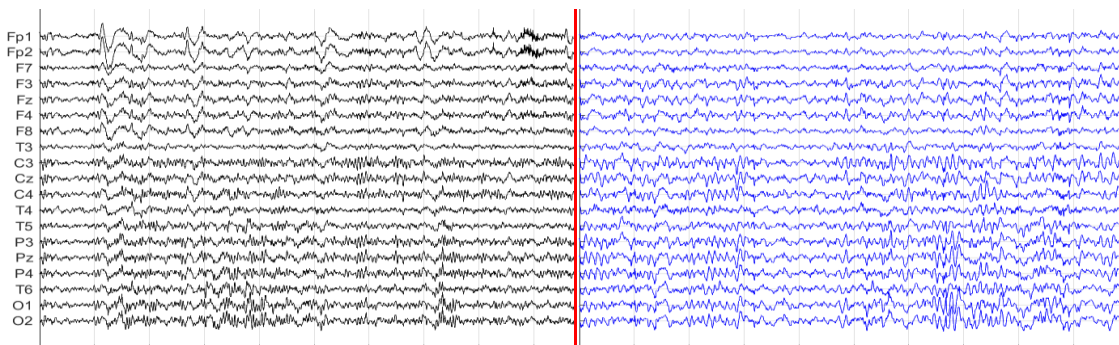


Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	2	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				126.34 sec	

Denoising Information (EO)

Raw EEG

Denoised EEG



Flat Channels

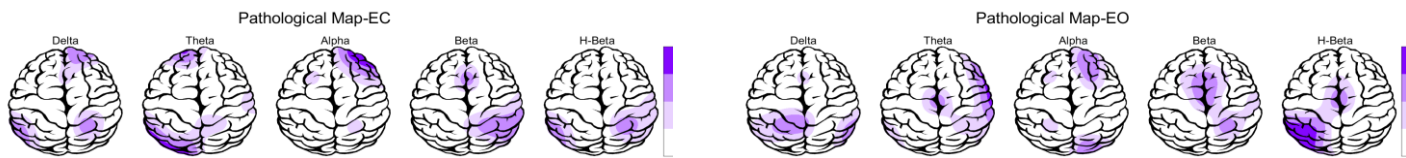
Rejected Channels



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	
				180.15 sec	

Pathological assessment for ADHD

Compare to ADHD Database



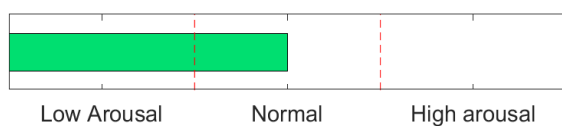
EEG Compatibility with ADHD Diagnosis

ADHD Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased rDelta	1.00	global	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	0.50	Fz and Cz	0.50	Fz

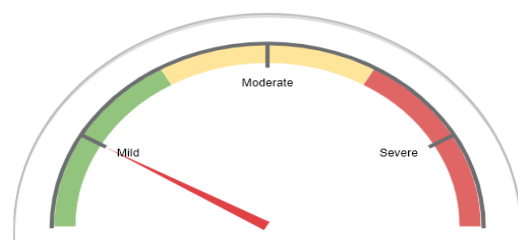
ADHD Probability: 0 10 20 30 40 50 60 70 80 90 100

ADHD Probability: 55

Arousal Level Detection



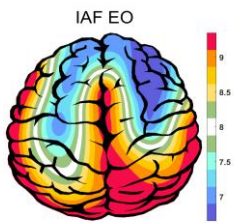
ADHD Severity



ADHD Clustering *

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

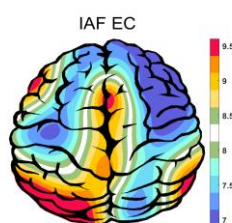
APF(EO)



Frontal APF= 06.92

Posterior APF= 09.25

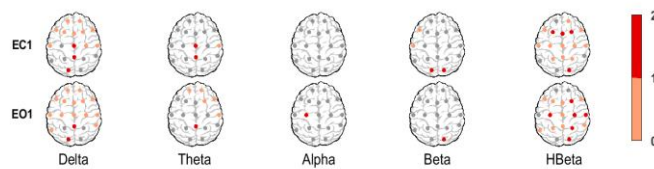
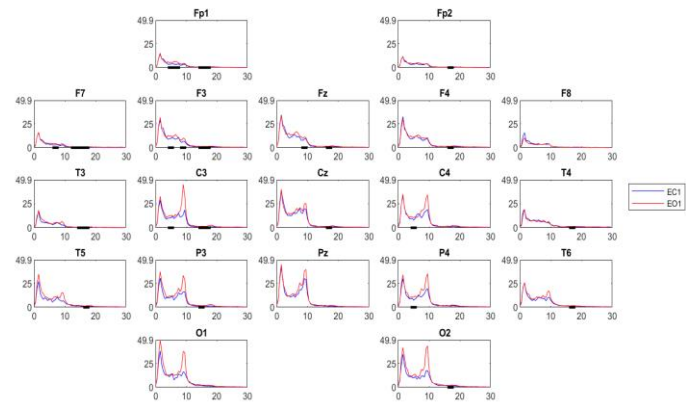
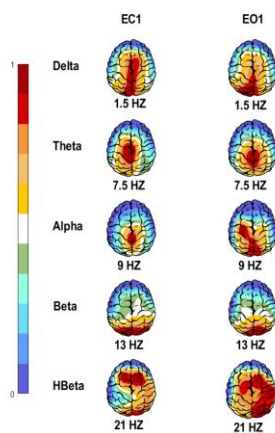
APF(EC)



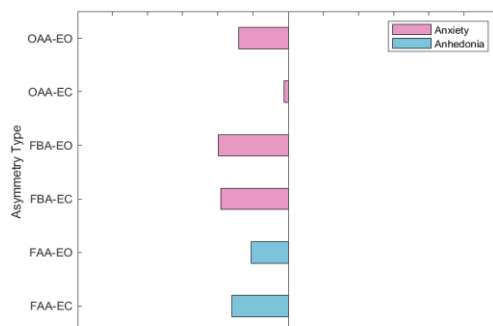
Frontal APF= 07.25

Posterior APF= 09.12

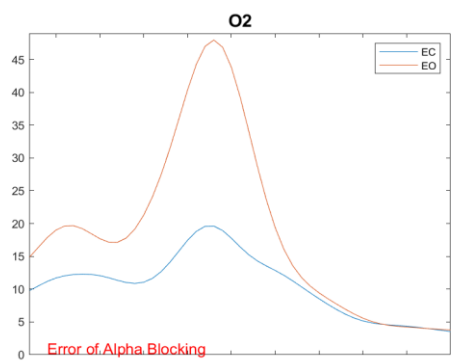
EEG Spectra



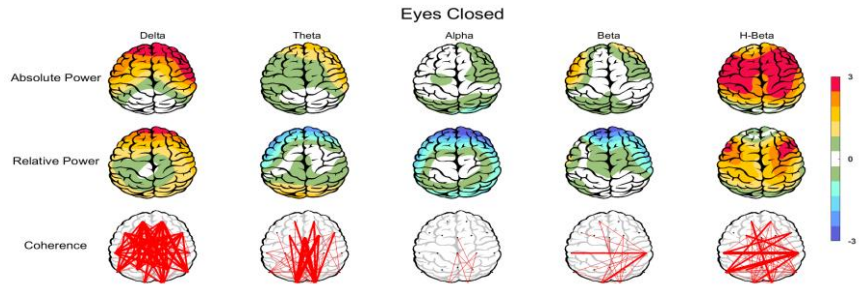
Alpha Asymmetry(AA)



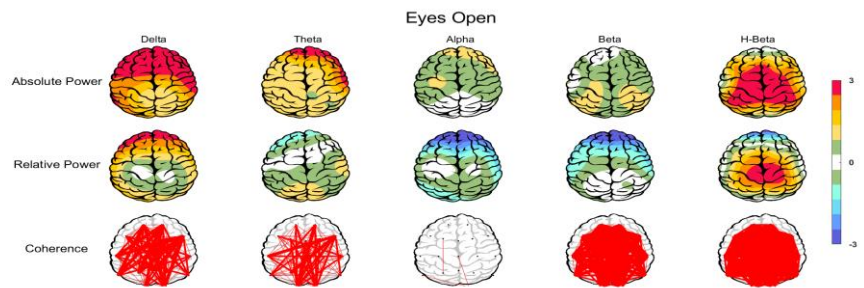
Alpha Blocking



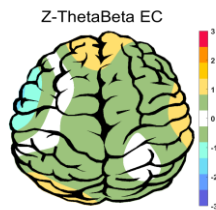
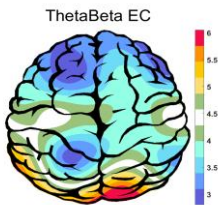
Z Score Summary Information (EC)



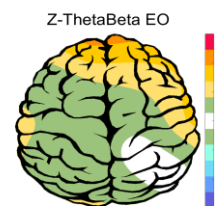
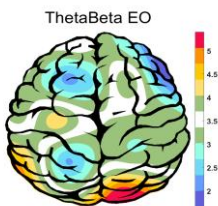
Z Score Summary Information (EO)



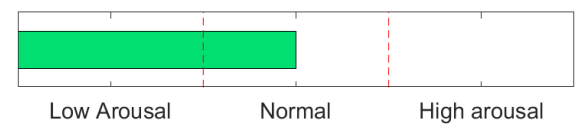
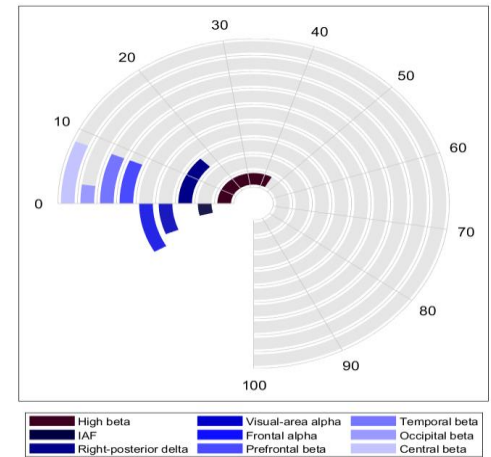
E.C.T/B Ratio (Raw- Z Score)



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

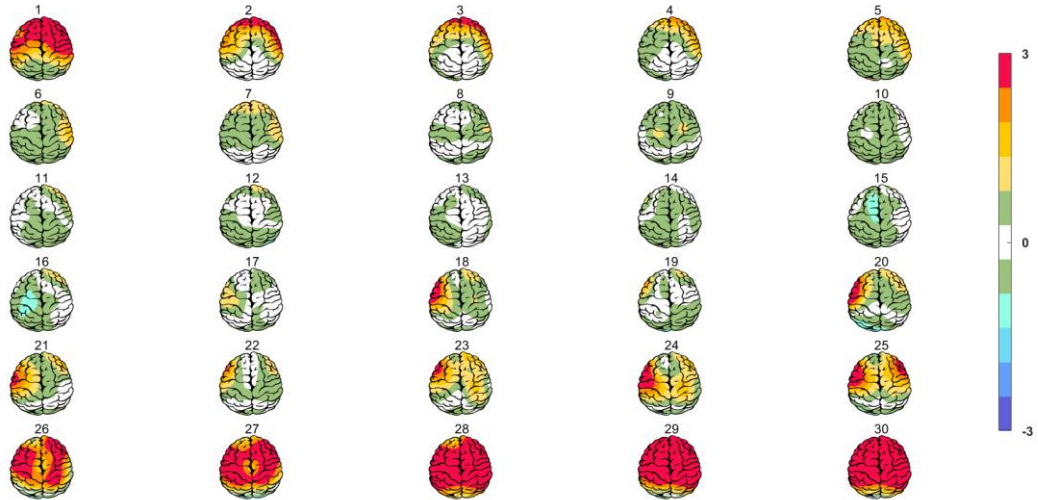


Arousal Level



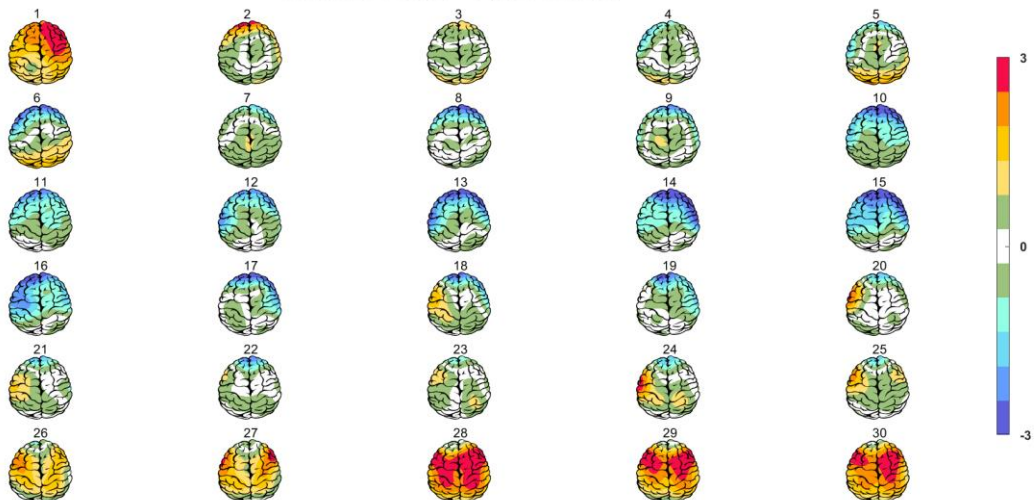
Absolute Power-Eye Closed (EC)

Absolute power - Eyes Closed

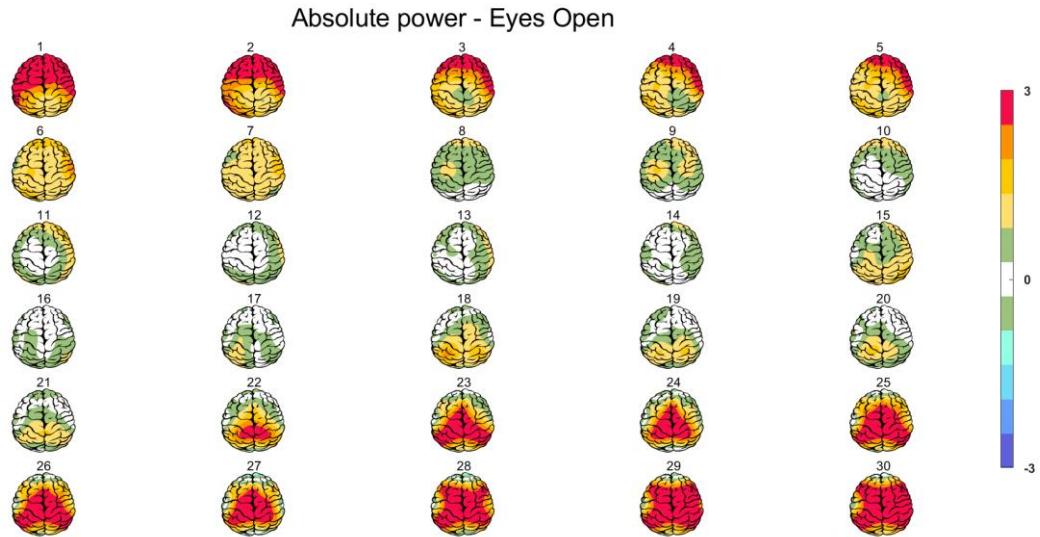


Relative Power-Eye Closed (EC)

Relative Power - Eyes Closed



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

