



QEEG Clinical Report

BrainLens V0.4

Report Description



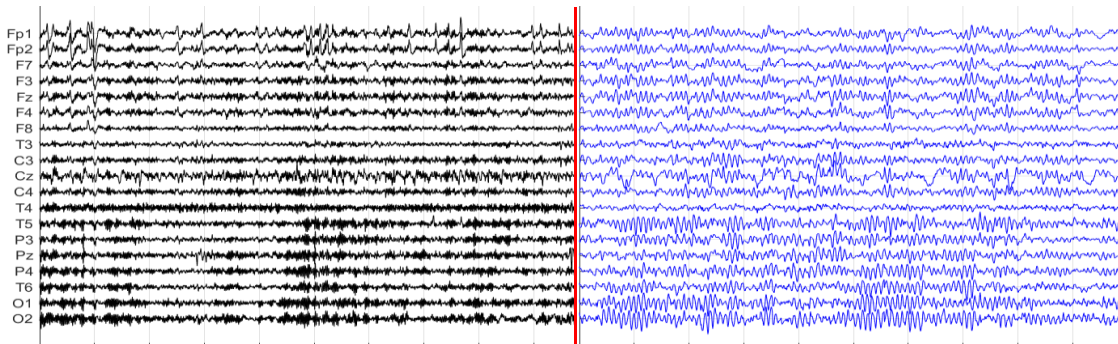
Personal & Clinical Data

Name	Mehdi Momenpour	Date of Recording	20-Jun-2024
Date of Birth - Age	02-Mar-1996 - 28.3	Gender	Male
Handedness(R/L)	Right	Source of Referral	Mr Asgharpour
Initial Diagnosis	Insomnia		
Current Medication	Medication Free		

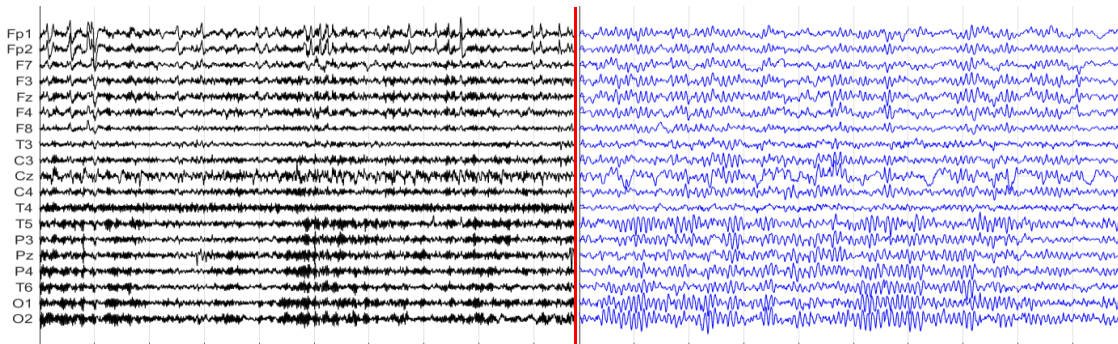
Mr Asgharpour

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



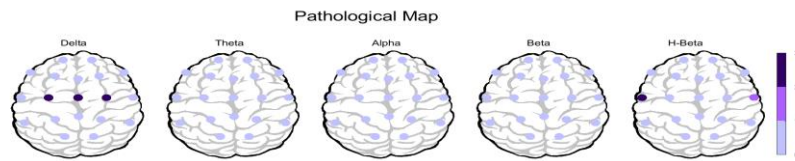
Rejected Channels



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

Pathological assessment for mood disorders

Compare to Mood Disorders Database



EEG Compatibility with Depression Diagnosis

Depression Table	EC	
Feature Name	Threshold	Region
Increased Global rAlpha	0.50	global
Increased global rTheta	0.00	NAN
Decreased rDelta	-0.50	LT-RT-P-O-
Increased rBeta	0.00	NAN
Left FAA	0.00	NAN
Right OAA	0.00	NAN
Decreased Coherence (D, T)	-0.50	Decreased Coherence (D,T)
Increased Coherence (A, B)	0.00	NAN

depression

Depression Probability

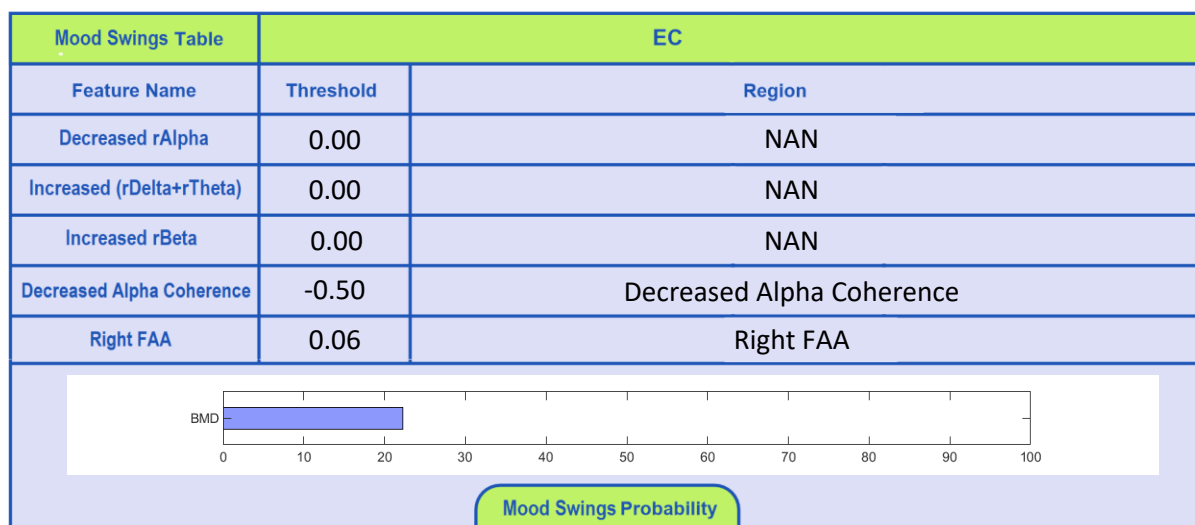
EEG Compatibility with Anxiety Diagnosis

Anxiety Table	EC	
Feature Name	Threshold	Region
Decreased rAlpha	0.00	NAN
Increased rBeta	0.00	NAN
Right FAA	0.06	Right FAA
Left OAA	-0.14	Left OAA
Increased IAF > 10.6	0.62	Increased IAF

Anxiety

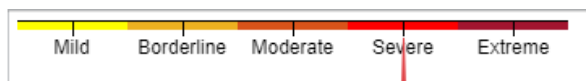
Anxiety Probability

EEG Compatibility with Mood Swings Diagnosis *

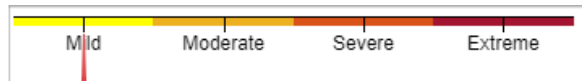


* This index can only be investigated if there are symptoms of mood swings (R/O BMD or R/O mood swings).

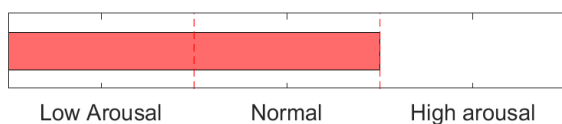
Depression Severity



Anxiety Severity

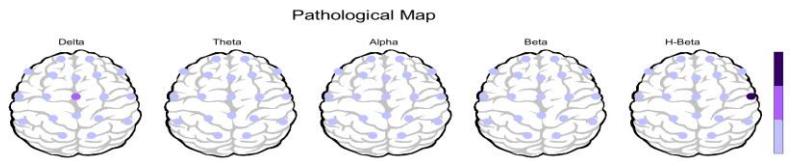


Arousal Level Detection

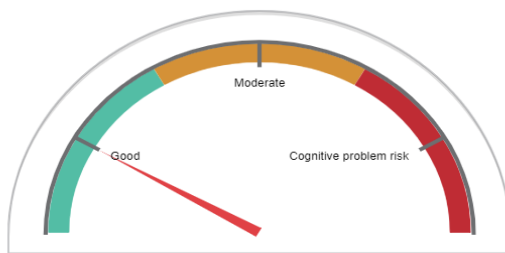


Pathological assessment for adult ADHD

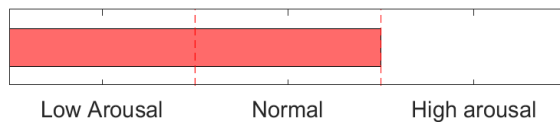
Compare to Adult ADHD Database



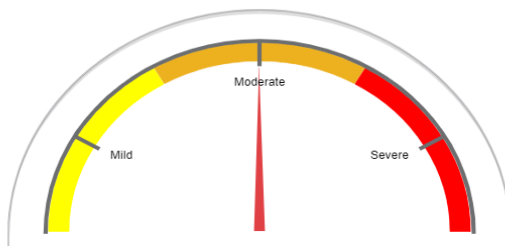
Cognitive Functions



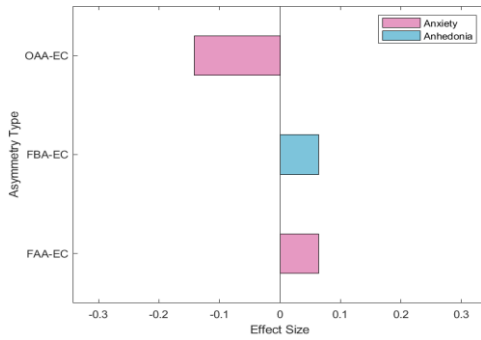
Arousal Level Detection



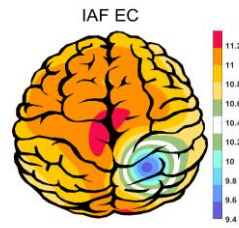
Adult ADHD Severity



Alpha Asymmetry(AA)

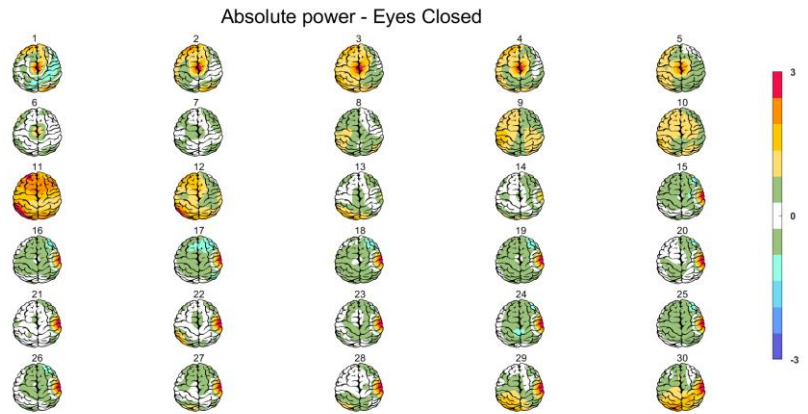


IAF(EC)

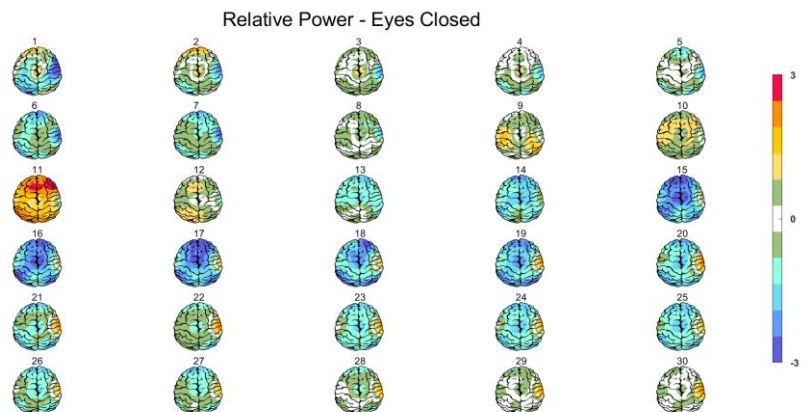


Eye Close IAF= 11.12

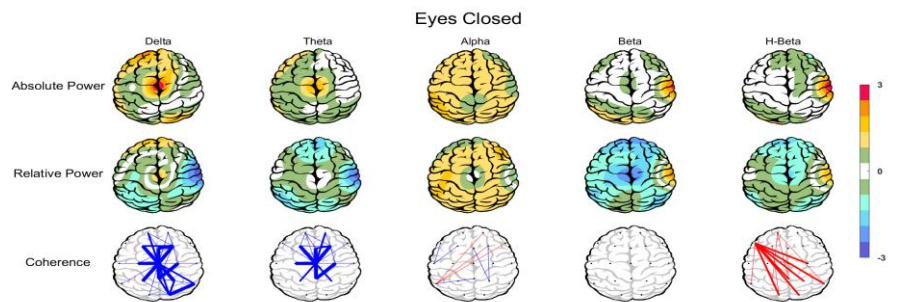
Absolute Power-Eye Closed (EC)



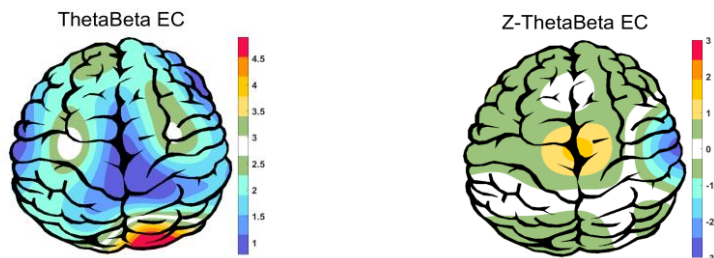
Relative Power-Eye Closed (EC)



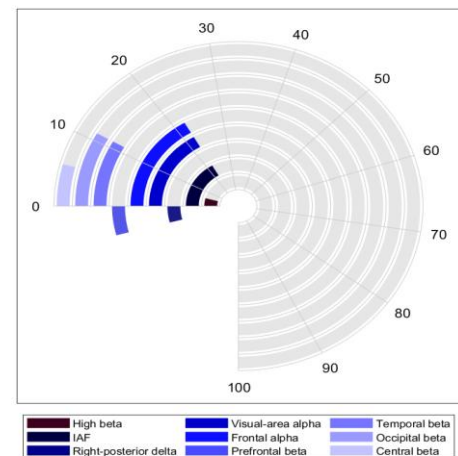
Z Score Summary Information (EC)



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



Arousal Level



EEG Spectra

