



QEEG Clinical Report

BrainLens V0.4

Report Description

Personal & Clinical Data

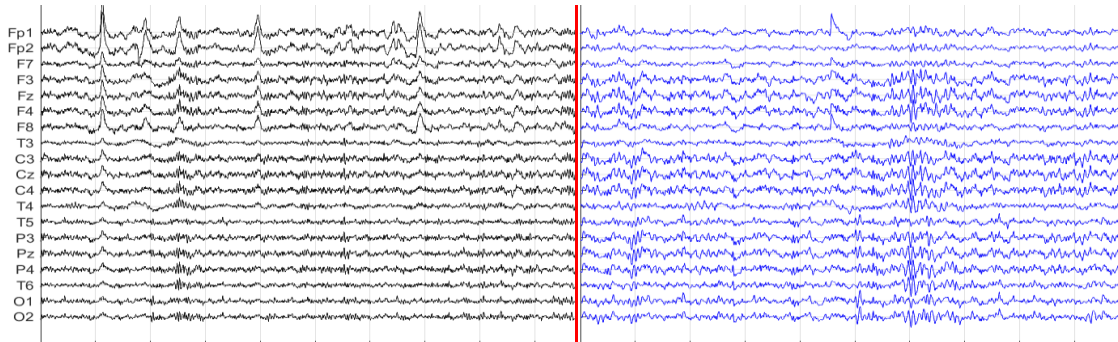
Name	Zahra Zareian	Date of Recording	01-Jun-2024
Date of Birth - Age	04-Apr-1986 - 38.16	Gender	Female
Handedness(R/L)	Right	Source of Referral	Dr Zarghami
Initial Diagnosis	Personality disorder-Adult ADHD-MDD-Anxiety		
Current Medication	Medication Free		

Dr Zarghami

Denoising Information (EC)

Raw EEG

Denoised EEG



Flat Channels

Rejected Channels

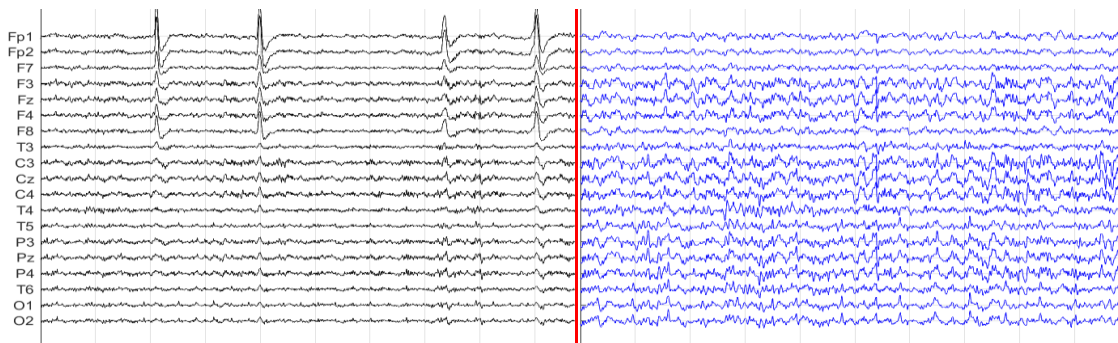


Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	2	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				402.14 sec	

Denoising Information (EO)

Raw EEG

Denoised EEG



Flat Channels

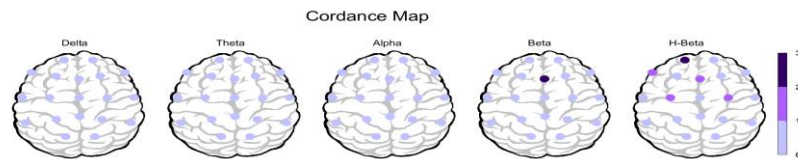
Rejected Channels



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	
				376.20 sec	

Pathological assessment for mood disorders

Compare to Mood Disorders Database



EEG Compatibility with Depression Diagnosis

Depression Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Increased Global rAlpha	0.00	NAN	0.00	NAN
Increased global rTheta	0.00	NAN	0.00	NAN
Decreased rDelta	0.00	NAN	0.00	NAN
Increased rBeta	0.00	NAN	0.00	NAN
Left FAA	-0.02	Left FAA	0.00	NAN
Right OAA	0.00	NAN	0.02	Right OAA
Decreased Coherence (D, T)	-0.50	Decreased Coherence	-0.50	Decreased Coherence
Increased Coherence (A, B)	0.00	NAN	0.00	NAN

depression

0 10 20 30 40 50 60 70 80 90 100

Depression Probability

EEG Compatibility with Anxiety Diagnosis

Anxiety Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Decreased rAlpha	-0.50	LF-RF-MF-LT-RT-C-P-O-	-0.50	LF-RF-MF-LT-RT-C-O-
Increased rBeta	0.00	NAN	0.00	NAN
Right FAA	0.00	NAN	0.00	Right FAA
Left OAA	-0.21	Left OAA	0.00	NAN
Increased IAF > 10.6	0.50	Increased IAF	0.75	Increased IAF

Anxiety

0 10 20 30 40 50 60 70 80 90 100

Anxiety Probability

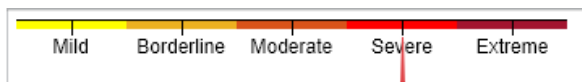
EEG Compatibility with Mood Swings Diagnosis *

Mood Swings Table	EC		EO	
Feature Name	Threshold	Region	Threshold	Region
Decreased rAlpha	-0.50	LF-RF-MF-LT-RT-C-P-O-	-0.50	LF-RF-MF-LT-RT-C-O-
Increased (rDelta+rTheta)	0.50	RF-C-P-O-	0.50	LF-RF-P-
Increased rBeta	0.00	NAN	0.00	NAN
Decreased Alpha Coherence	-0.50	Decreased Alpha	-0.50	Decreased Alpha
Right FAA	0.00	NAN	0.00	Right FAA

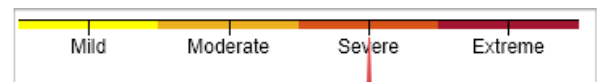
Mood Swings Probability

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

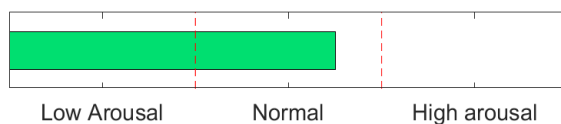
Depression Severity



Anxiety Severity

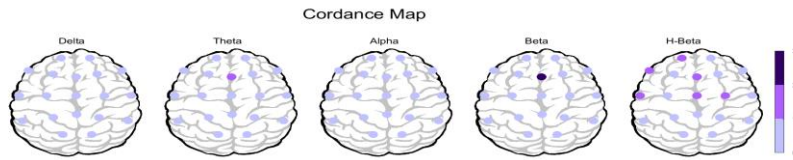


Arousal Level Detection

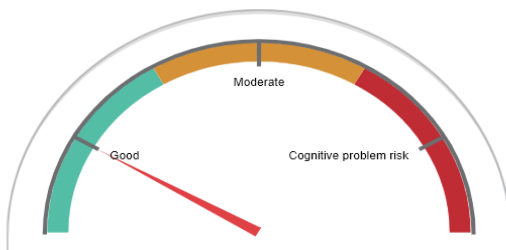


Pathological assessment for adult ADHD

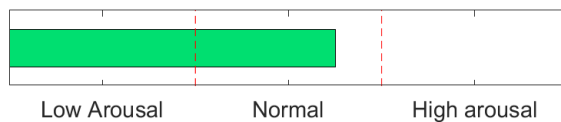
Compare to Adult ADHD Database



Cognitive Functions



Arousal Level Detection



Adult ADHD Severity

