

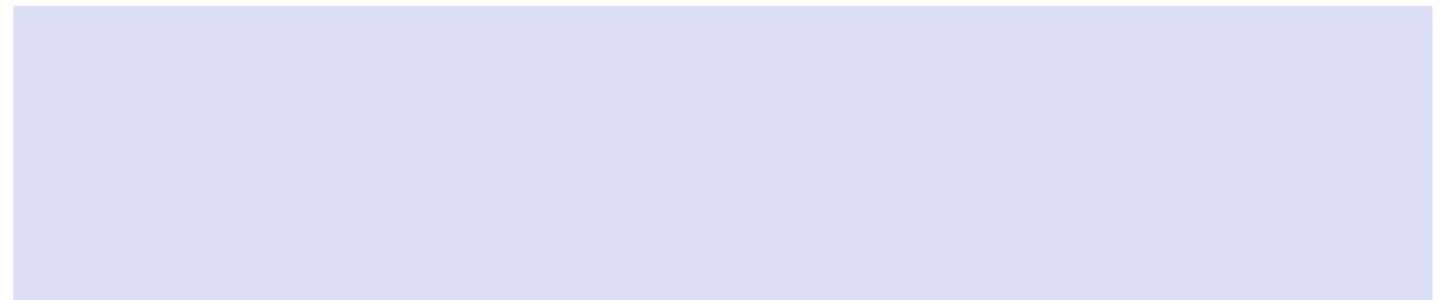


QEEG Clinical Report

BrainLens V0.4



Report Description



Personal & Clinical Data

Name	Alireza Erfani	Date of Recording	25-Feb-2025
Date of Birth - Age	28-Sep-2012 - 12.41	Gender	Male
Handedness(R/L)	Right	Source of Referral	Dr Dinarvand
Initial Diagnosis	High Aggression-Self Mulitaton		
Current Medication	-		

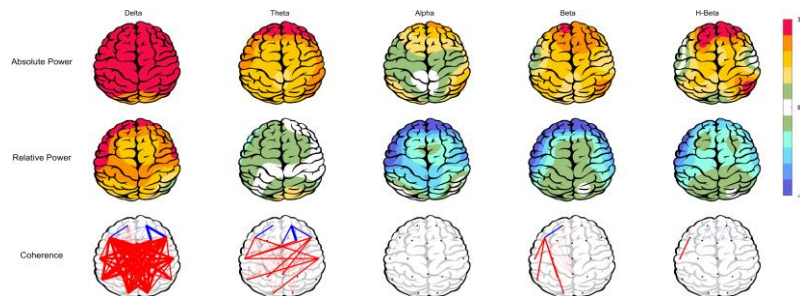
Dr Dinarvand

Summary Report

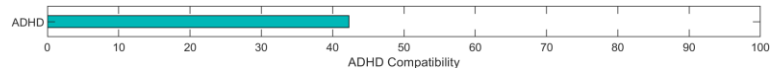
EEG Quality



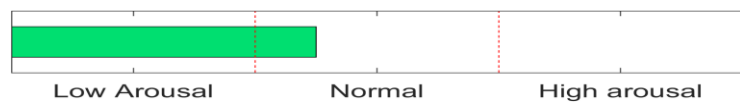
Z-score Information



Compatibility with ADHD



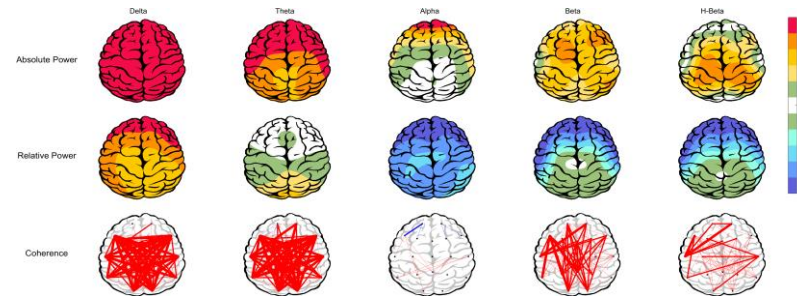
Arousal Level



APF

Posterior APF-EC= 09.62

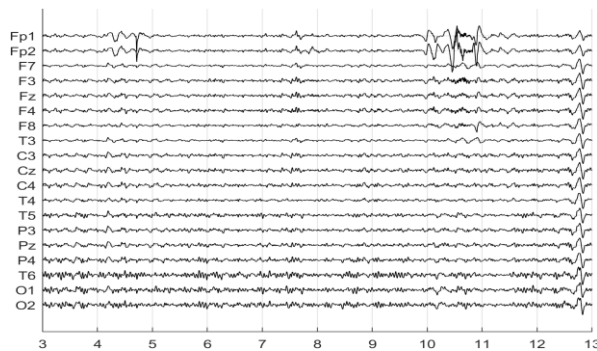
Posterior APF-EO= 09.62



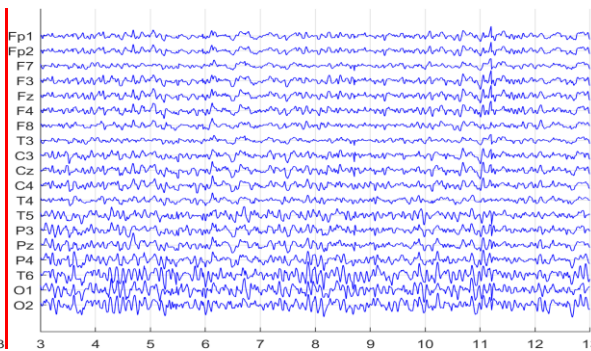
To investigate QEEG-based predicting medication response, please refer to the Report.

Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels



Rejected Channels



Number of Eye and Muscle Elements

Eye	2	Muscle	0
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Total Artifact Percentage



EEG Quality	good
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Low Artifact Percentage



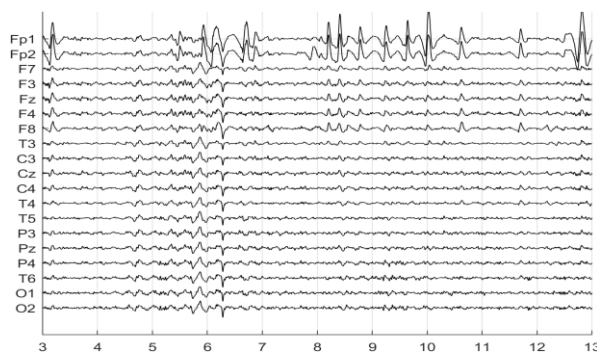
High Artifact Percentage



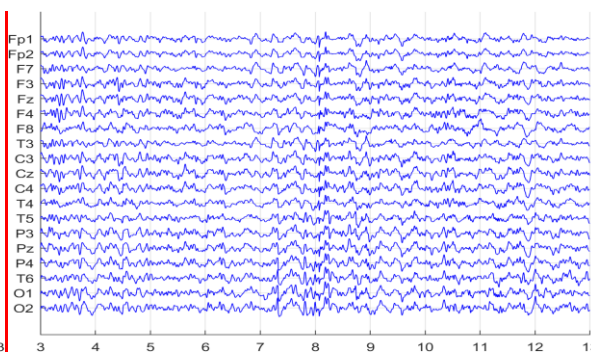
Total Recording Time Remaining	241.74 sec
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Denoising Information (EO)

Raw EEG



Denoised EEG



Flat Channels



Rejected Channels



Number of Eye and Muscle Elements

Eye	3	Muscle	0
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Total Artifact Percentage



EEG Quality	good
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Low Artifact Percentage



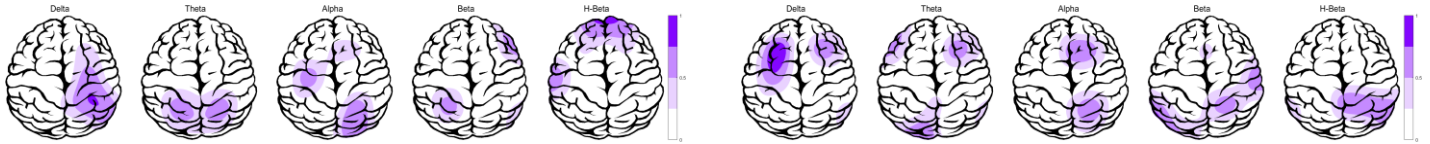
High Artifact Percentage



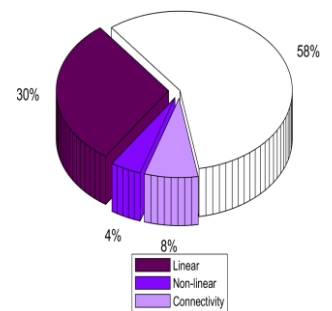
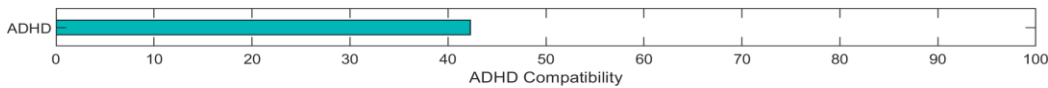
Total Recording Time Remaining	272.54 sec
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Pathological assessment for ADHD

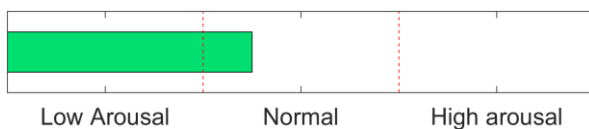
Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis



Arousal Level Detection

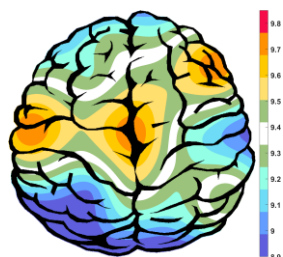


ADHD Clustering *

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

* If there is Paroxymal epileptic discharge in EEG data, this case needs sufficient sleep and should avoid high carbohydrate intake.
You can consider anticonvulant medications.

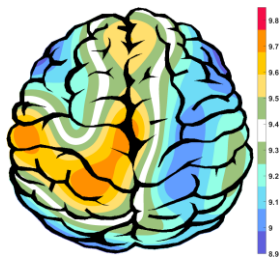
APF(EO)



Frontal APF= 09.42

Posterior APF= 09.62

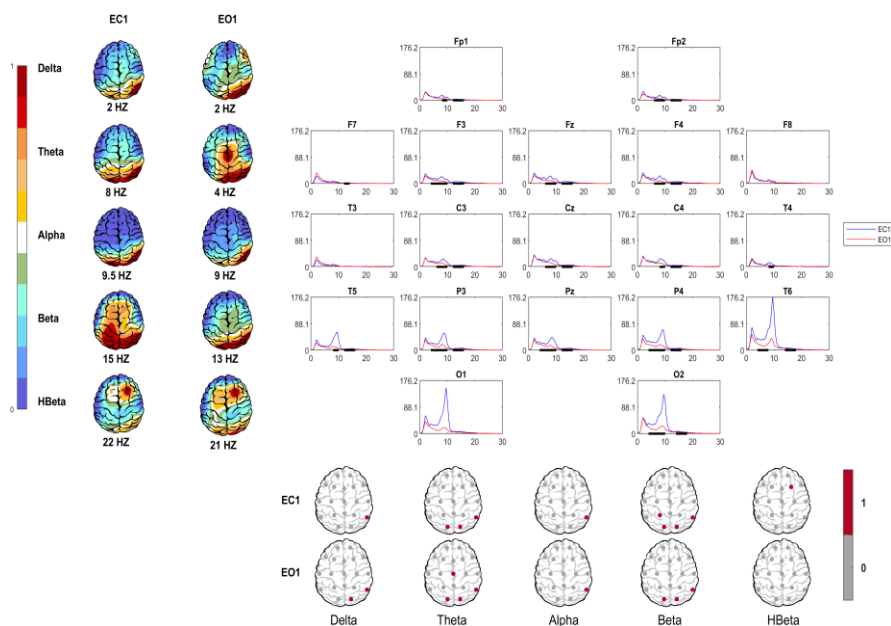
APF(EC)



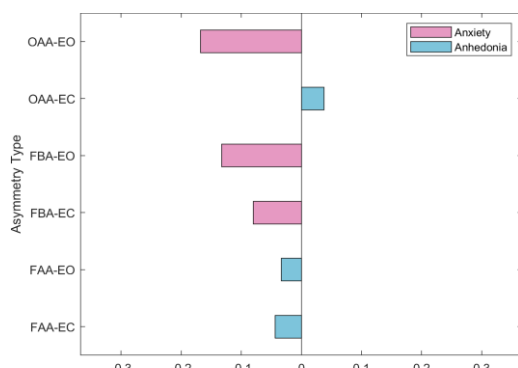
Frontal APF= 09.17

Posterior APF= 09.62

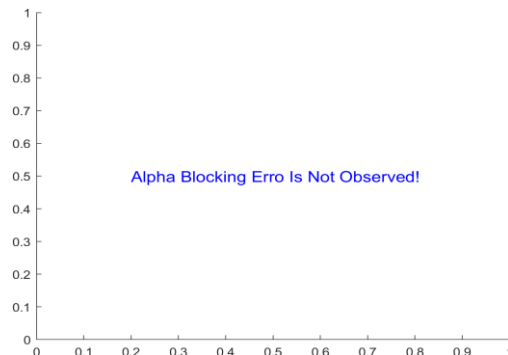
EEG Spectra



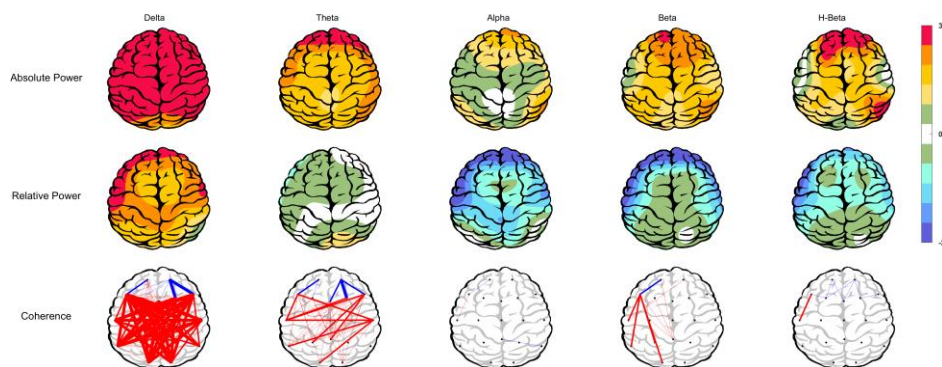
Alpha Asymmetry(AA)



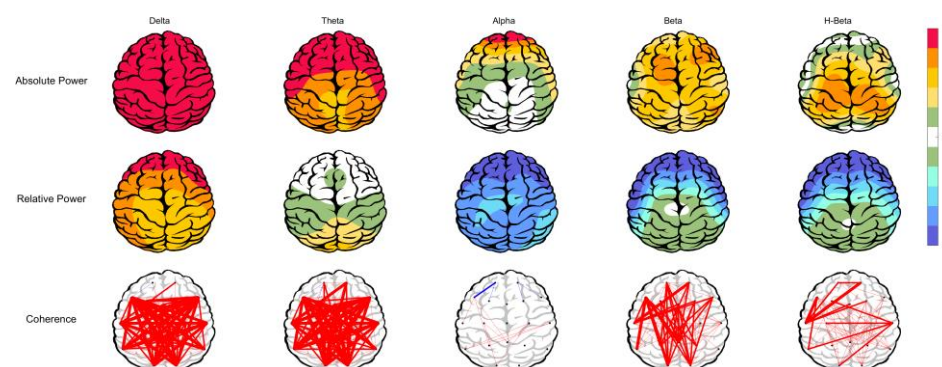
Alpha Blocking



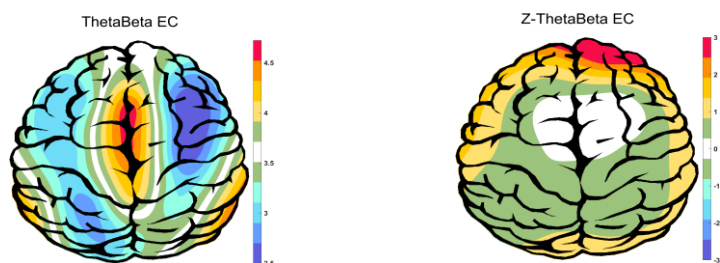
Z Score Summary Information (EC)



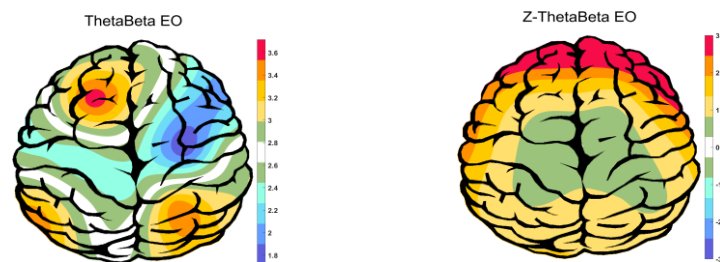
Z Score Summary Information (EO)



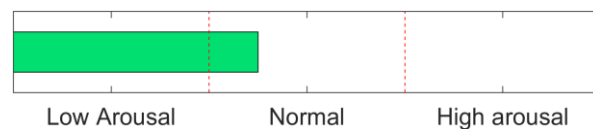
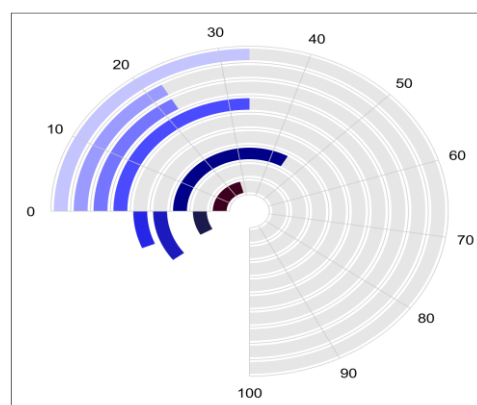
E.C.T/B Ratio (Raw- Z Score)



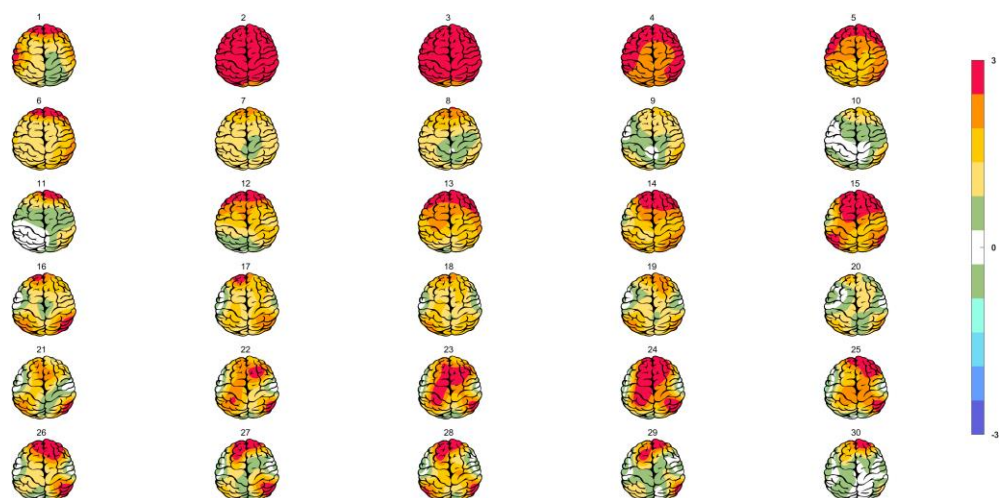
E.O.T/B Ratio (Raw- Z Score)



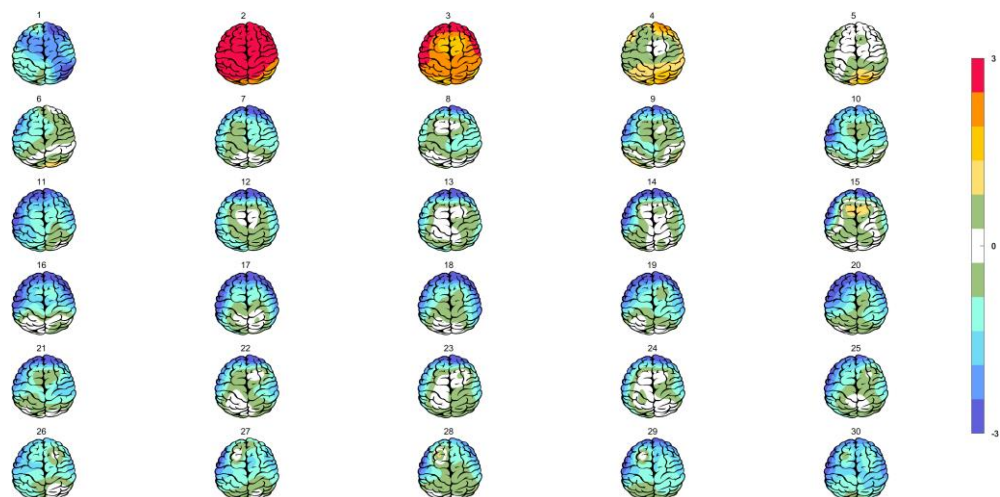
Arousal Level



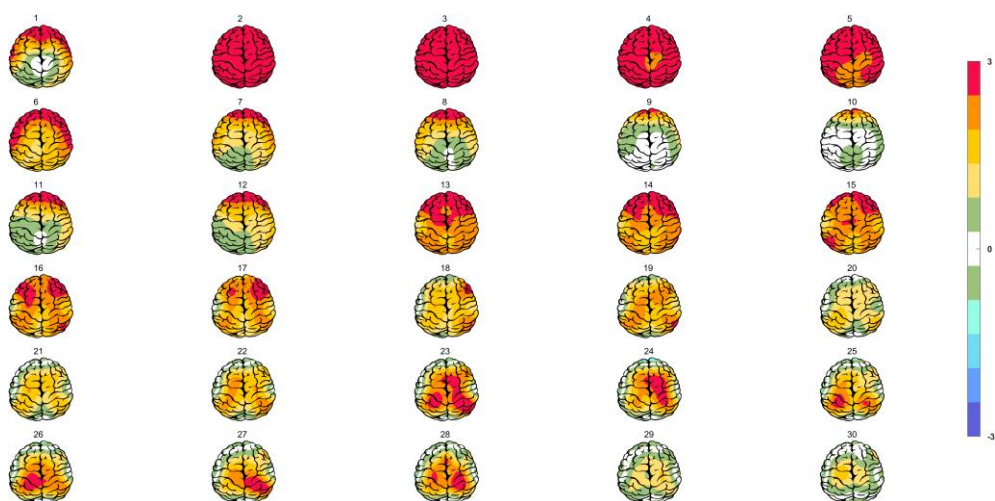
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

