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# QEEG Clinical Report

BrainLens V0.4

## Report Description

## Personal & Clinical Data

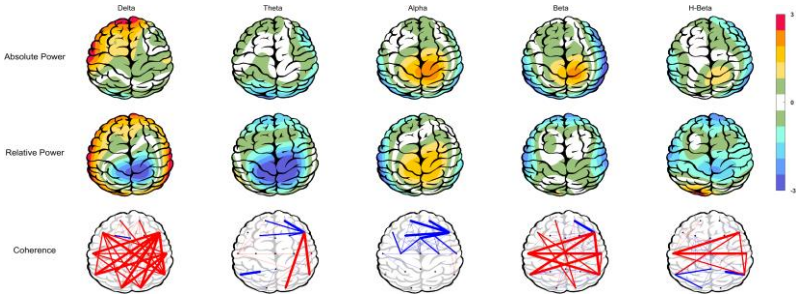
| | | | |
|---|---|---|---|
| Name | Hamed Mohammadi | Date of Recording | 18-Feb-2025 |
| Date of Birth - Age | 15-Feb-2012 - 13.01 | Gender | Male |
| Handedness(R/L) | Right | Source of Referral | Dr Tabatabaei |
| Initial Diagnosis | - | | |
| Current Medication | - | | |

Dr Tabatabaei

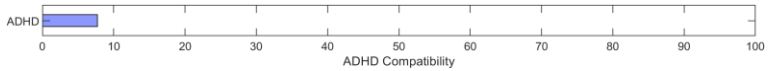
# Summary Report

## EEG Quality

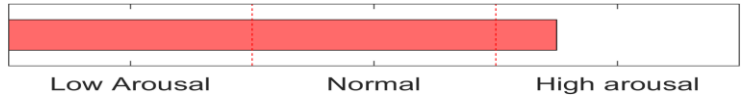
## Z-score Information




## Compatibility with ADHD




## Arousal Level




## APF

**Posterior APF-EC= 10.62**

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

Hamed Mohammadi\Dr Tabatabaei

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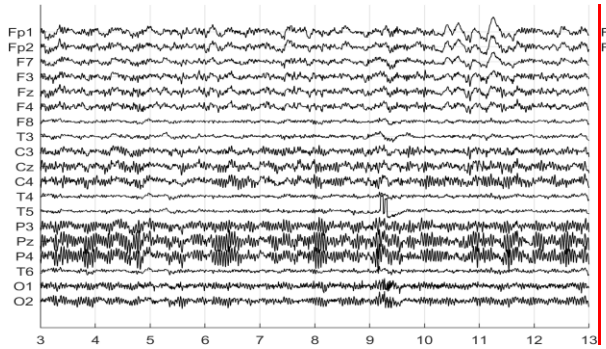
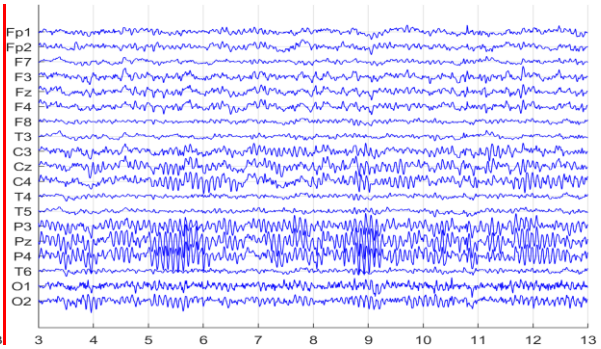
# Denoising Information (EC)

## Raw EEG




## Denoised EEG




## Flat Channels

## Rejected Channels

| Number of Eye and Muscle Elements | | | | Low Artifact Percentage |
|---|---|---|---|---|
| **Eye** | 1 | **Muscle** | 0 | |
| **Total Artifact Percentage** | | | | **High Artifact Percentage** |
| | | | | |
| **EEG Quality** | good | | | **Total Recording Time Remaining** 139.37 sec |

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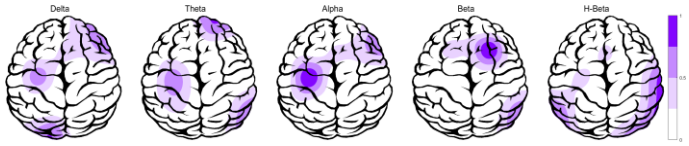
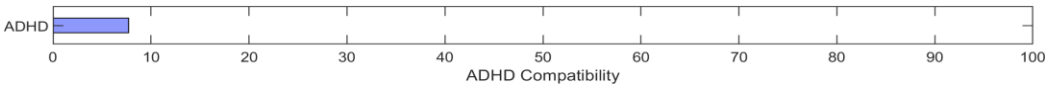
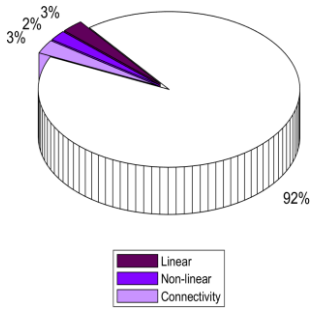
# Pathological assessment for ADHD

## Compare to ADHD Database

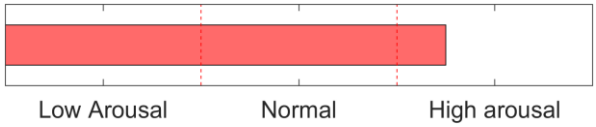



## EEG Compatibility with ADHD Diagnosis




## Arousal Level Detection



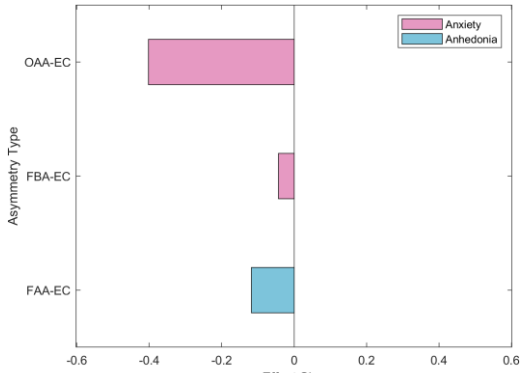

## ADHD Clustering *

1. May be anxious, may be highly intelligent, need sufficient sleep, and should avoid high carbohydrate intake. Avoide stimulants, benzodiazepines and SNRI. Consider clonidine.

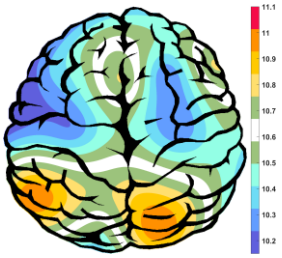
* If there is Paroxymal epileptic discharge in EEG data, this case needs sufficient sleep and should avoid high carbohydrate intake.
You can consider anticonvulant medications.

Hamed Mohammadi\Dr Tabatabaei

## Alpha Asymmetry(AA)



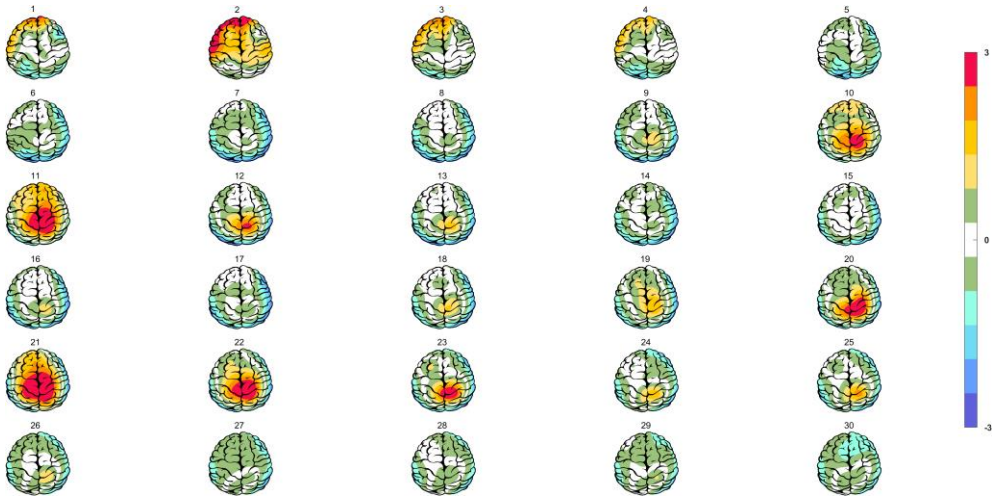

## APF(EC)



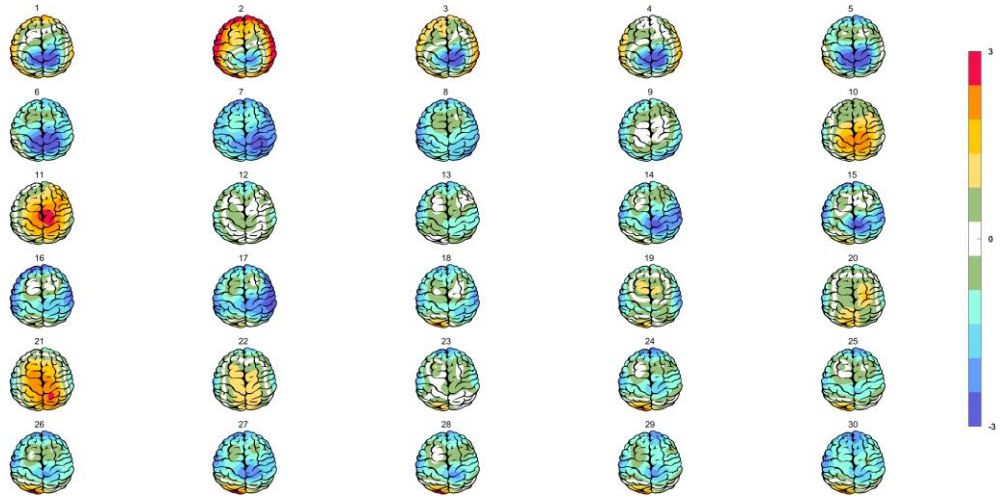

**Frontal APF= 10.25**

**Posterior APF= 10.62**

## Absolute Power-Eye Closed (EC)




## Relative Power-Eye Closed (EC)



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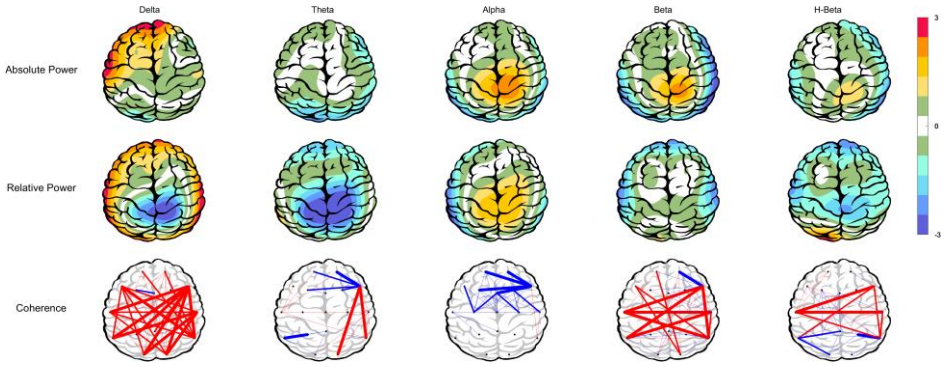
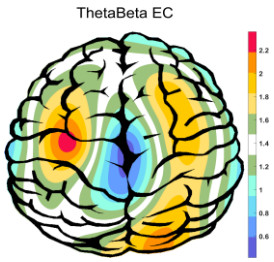
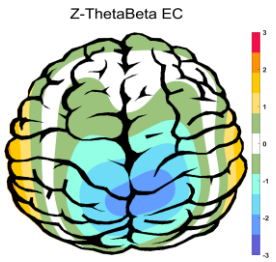
## Z Score Summary Information (EC)

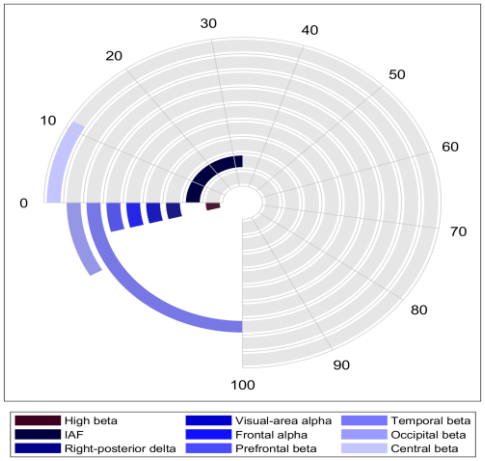


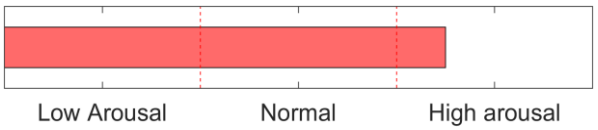

## E.C.T/B Ratio ( Raw- Z Score)




## Arousal Level




## EEG Spectra