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QEEG Clinical Report

BrainLens V0.4

Report Description

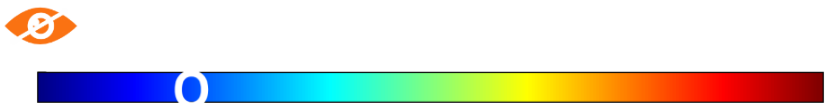
Personal & Clinical Data

Name	Mehrshad Shekari	Date of Recording	2025-04-21
Date of Birth - Age	2014-09-29 - 10.56	Gender	Male
Handedness(R/L)	Right	Source of Referral	Dr Mohammadhasani
Initial Diagnosis	ADHD		
Current Medication	-		

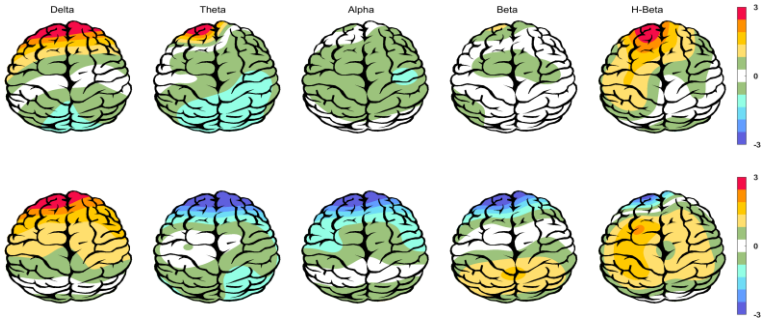
Dr Mohammadhasani

Summary Report

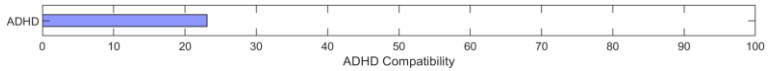
EEG Quality



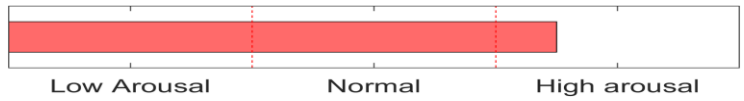
Z-score Information



Compatibility with ADHD



Arousal Level



APF

Posterior APF-EC= 10.50

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

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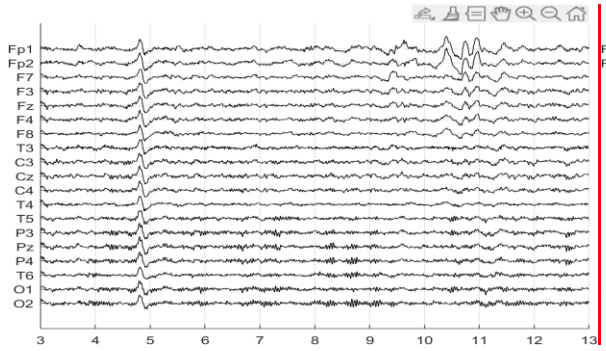
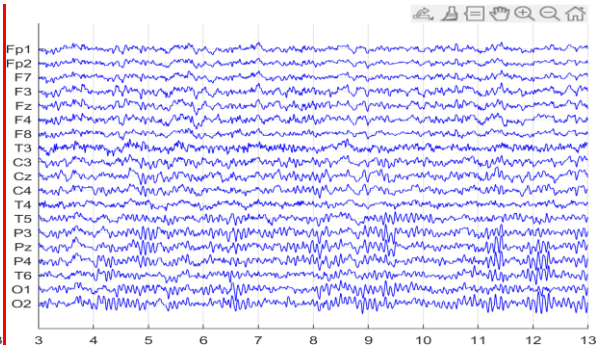
Denoising Information (EC)

Raw EEG



Denoised EEG



Flat Channels

Rejected Channels

Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	**Muscle**	0		
Total Artifact Percentage				**High Artifact Percentage**	
EEG Quality	good			**Total Recording Time Remaining**	491.83 sec

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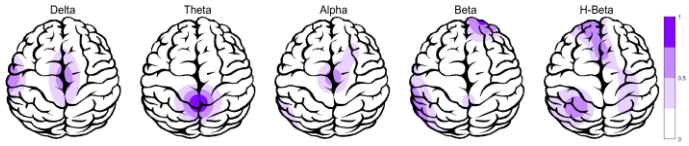
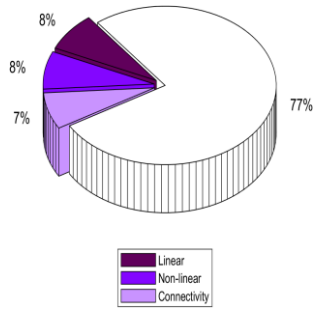
Pathological assessment for ADHD

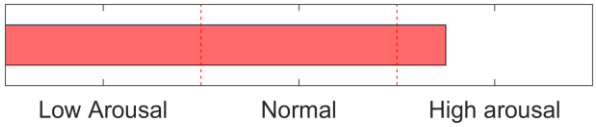
Compare to ADHD Database



EEG Compatibility with ADHD Diagnosis



Arousal Level Detection



ADHD Clustering *

1. Same inattentive and hyperactive prevalence, may be anxious, may be highly intelligent, need sufficient sleep, and should avoid high arbohydrate inbtake. 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.

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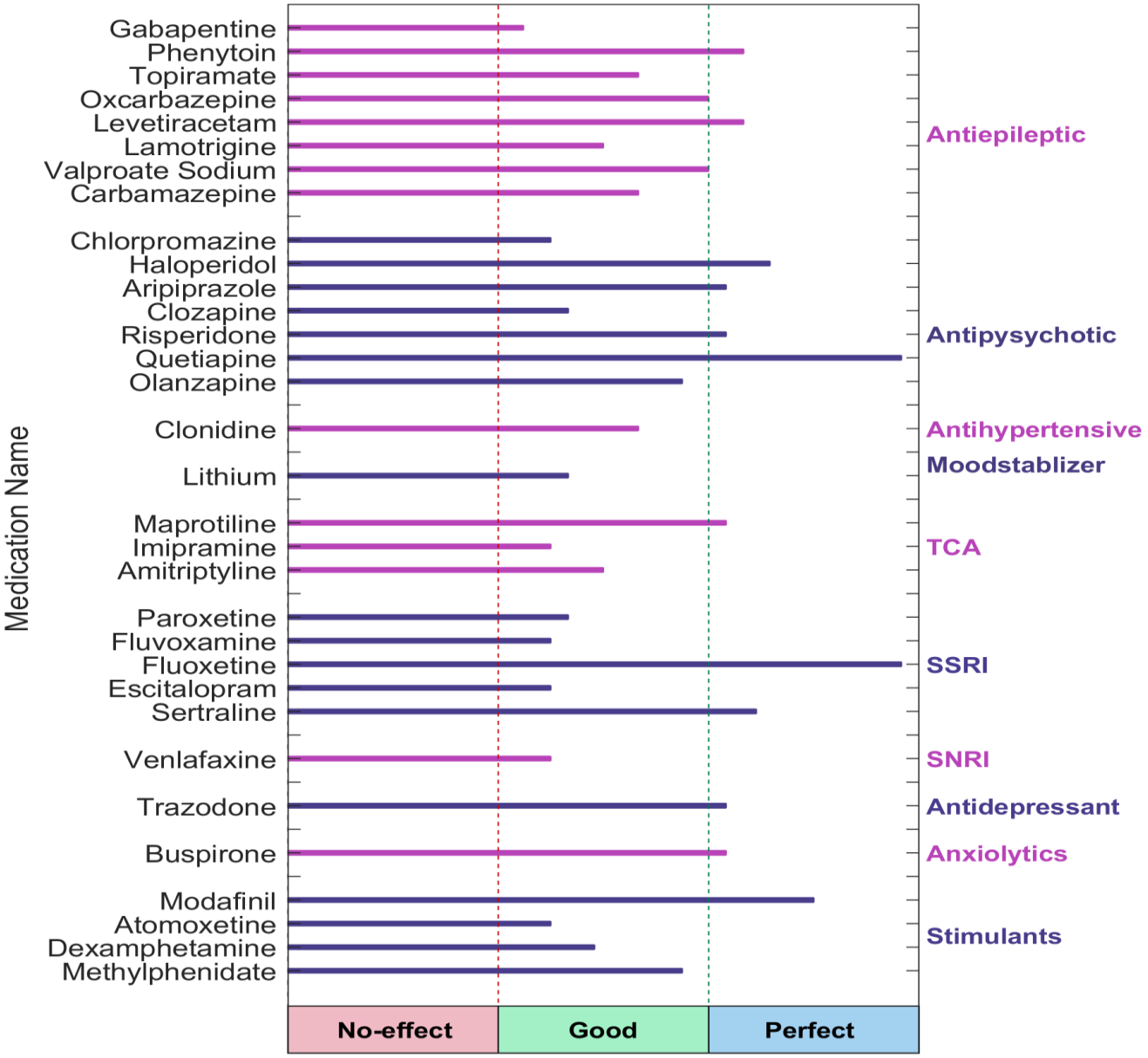
QEEG based predicting medication response



Explanation

These two tables can be considered the most important finding that can be extracted from QEEG. To prepare this list, the NPCIndex Article Review Team has studied, categorized, and extracted algorithms from many authoritative published articles on predict medication response and Pharmaco EEG studies. These articles are published between 1970 and 2021. The findings extracted from this set include 85 different factors in the raw band domains, spectrum, power, coherence, and loreta that have not been segregated to avoid complexity, and their results are shown in these diagrams. One can review details in NPCIndex.com .

⚠ Medication Recommendation

These two charts, calculate response probability to various medications, according only to QEEG indicators. Blue charts favor drug response and red charts favor drug resistance. The longer the bar, the more evidence there is in the articles. Only drugs listed in the articles are listed. These tables present the indicators reviewed in the QEEG studies and are not a substitute for physician selection.

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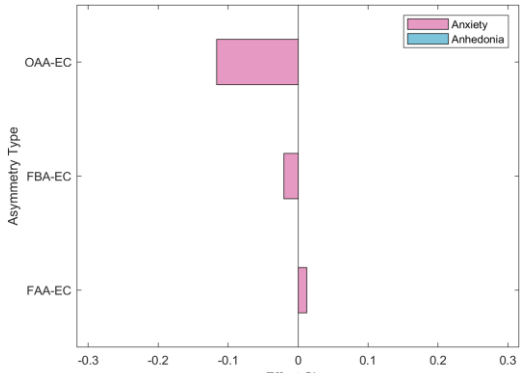
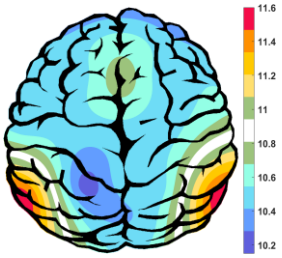
Alpha Asymmetry(AA)



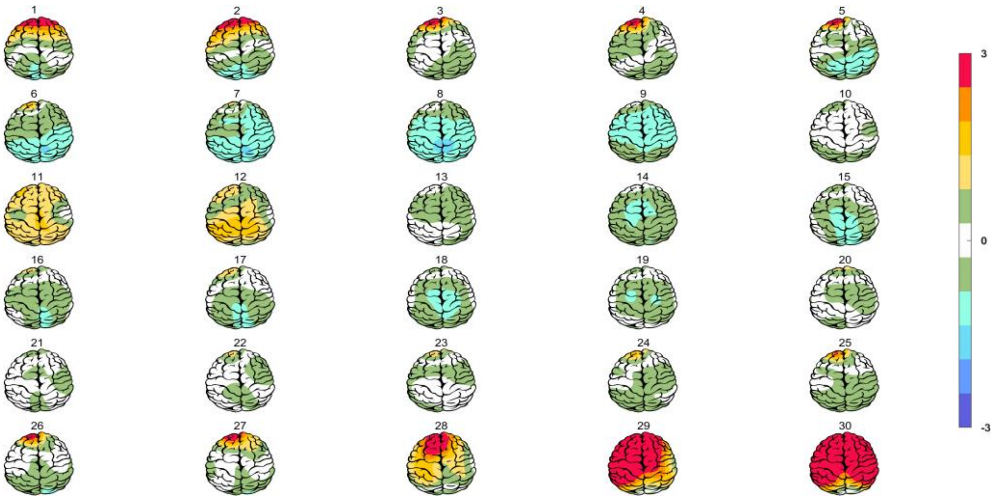
APF(EC)



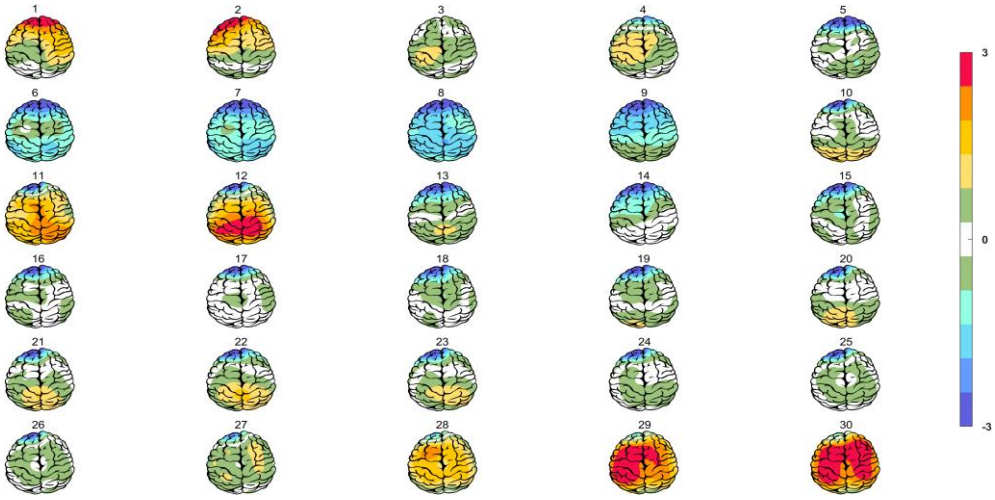
Frontal APF= 10.50

Posterior APF= 10.50

Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



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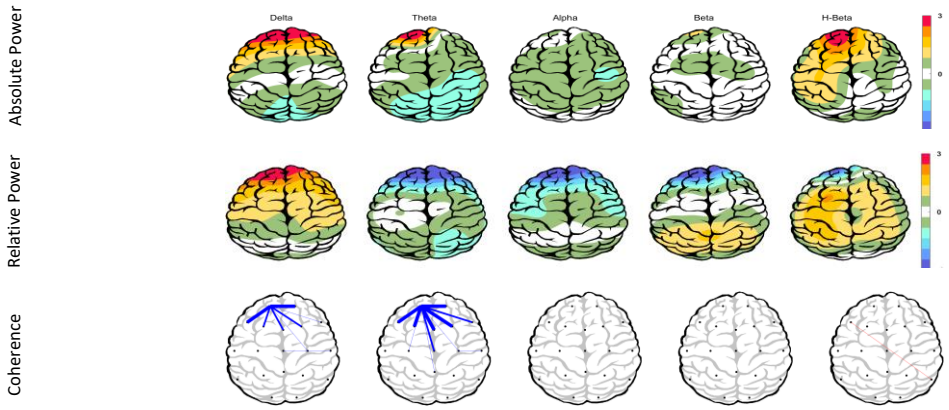
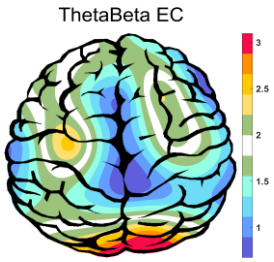
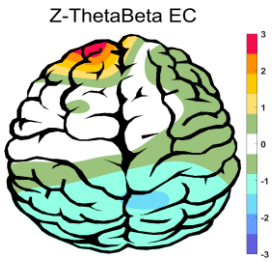
Z Score Summary Information (EC)

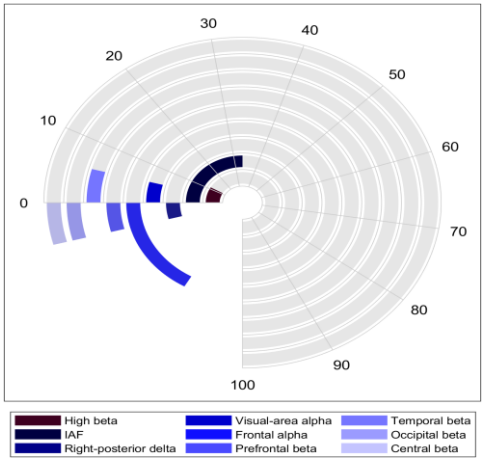


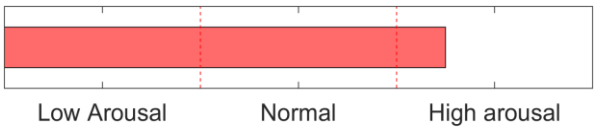
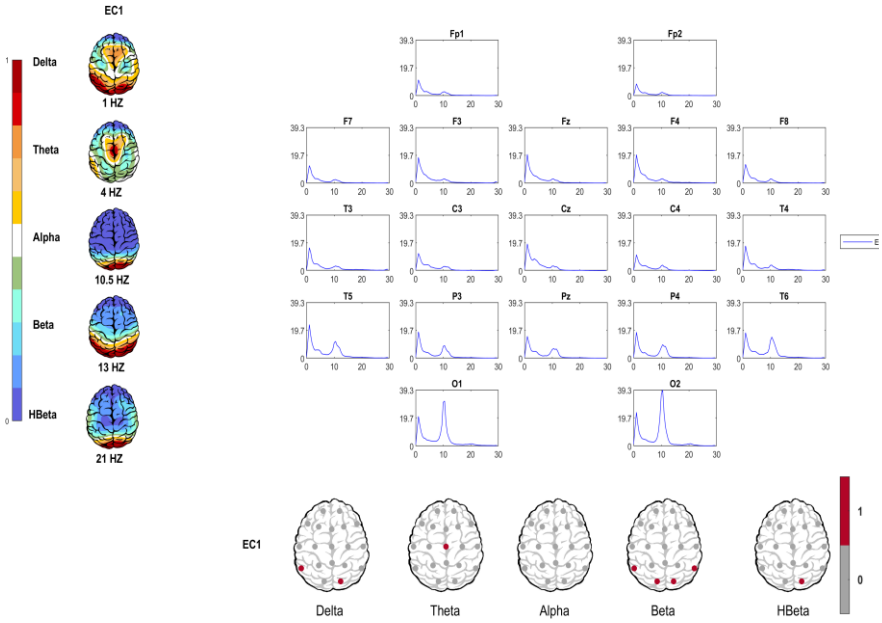
E.C.T/B Ratio (Raw- Z Score)





Arousal Level





EEG Spectra