QEEG Clinical Report

EEGLens

The QEEG report is provided by NPCindex Company, operating under the QEEGhome brand.

Personal Data:

Name: Arvin Arfiee
Gender: Male
Age: 2018-07-05 - 7.4
Handedness: Left

Clinical Data:

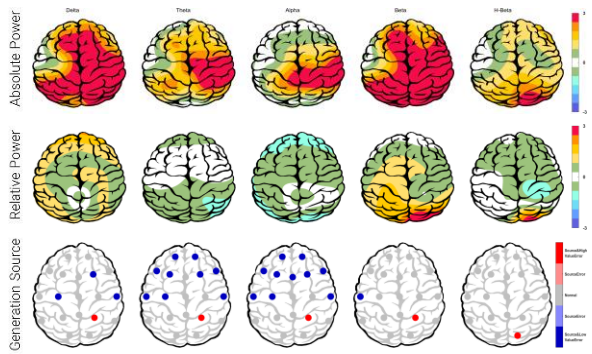
Initial diagnosis: ADHD-Autism
Medication: Methylphenidate
Date of Recording: 2025-10-04
Source of Referral: Saya Clinic

This case belongs to Saya Clinic

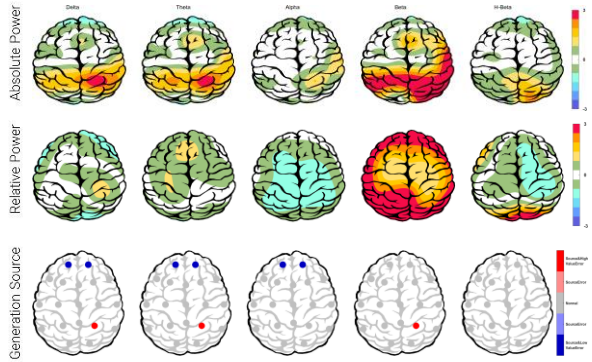
EEG Quality

Z-score Information

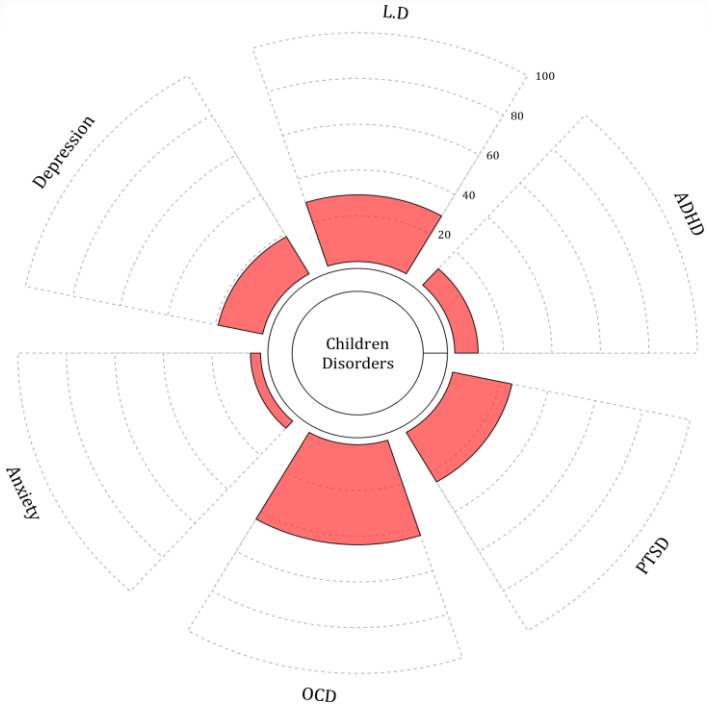
EC



EO



Pathological Assessment



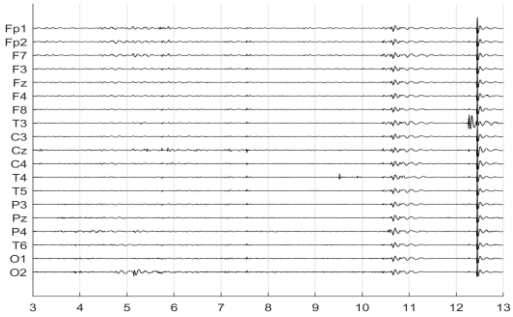
EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF - EO	Frontal	10.42	High
AFP - EC	Frontal	11.00	High
APF - EO	Occipital	12.38	High
AFP - EC	Occipital	11.00	High
Arousal Level - EO	-	-	High
Arousal Level - EC	-	-	Normal

Denoising Information

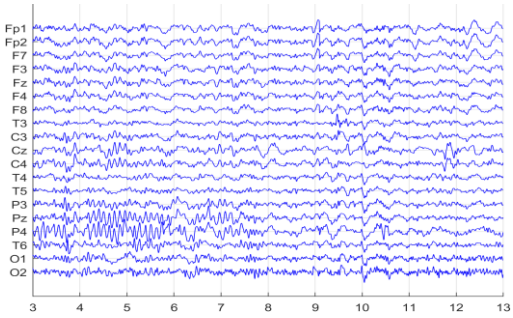
Eye Close

Raw EEG



Rejected Channel

Denoised EEG



Flat Channel

Total Recording Time Remaining:
195.77 sec

Number of Eye and Muscle Elements
Eye: 1
Muscle: 0

Low Artifact Percentage

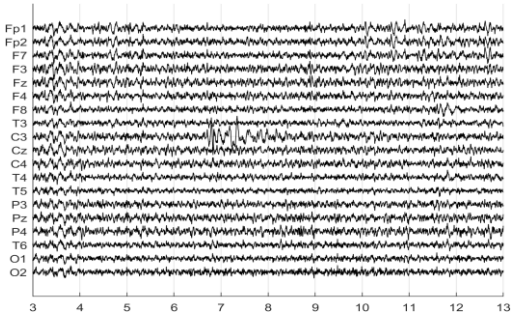
High Artifact Percentage

Total Artifact Percentage

EEG Quality: perfect

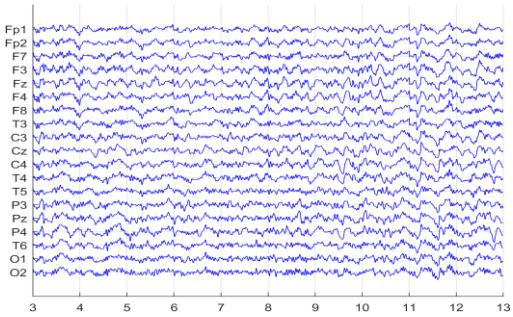
Eye Open

Raw EEG



Rejected Channel

Denoised EEG



Flat Channel

Total Recording Time Remaining:
193.90 sec

Number of Eye and Muscle Elements
Eye: 2
Muscle: 0

Low Artifact Percentage

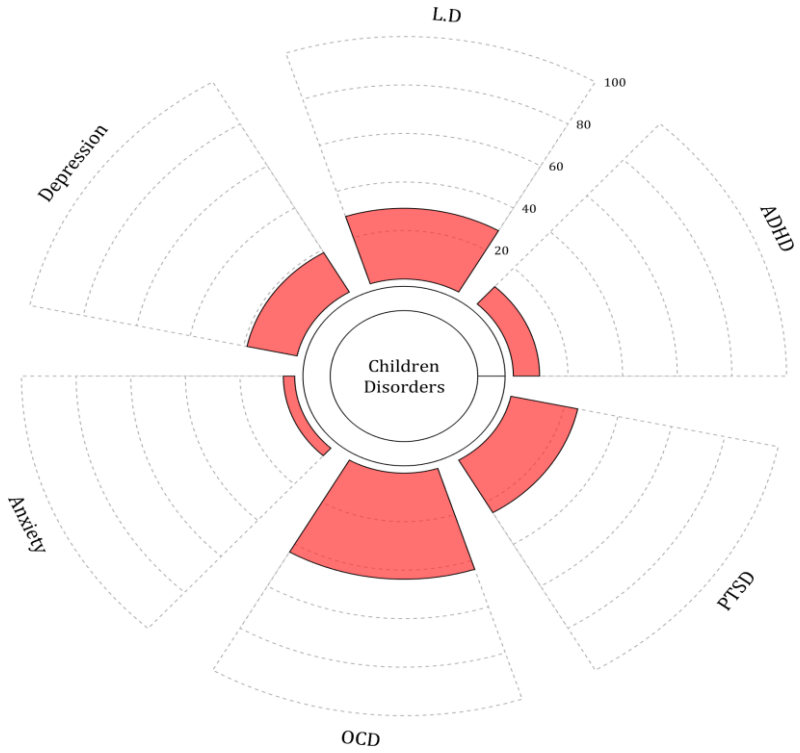
High Artifact Percentage

Total Artifact Percentage

EEG Quality: perfect

Pathological Assessment

Main Diagnosis: Children Disorder



ADHD Subtypes

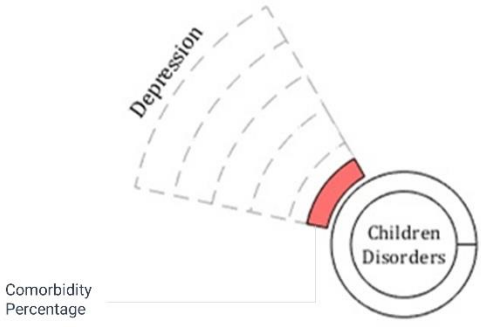
1. Prone to moody behavior and temper tantrums. May be anxious, may be highly intelligent, need sufficient sleep, and should avoid high carbohydrate intake. Avoide stimulants,

Description

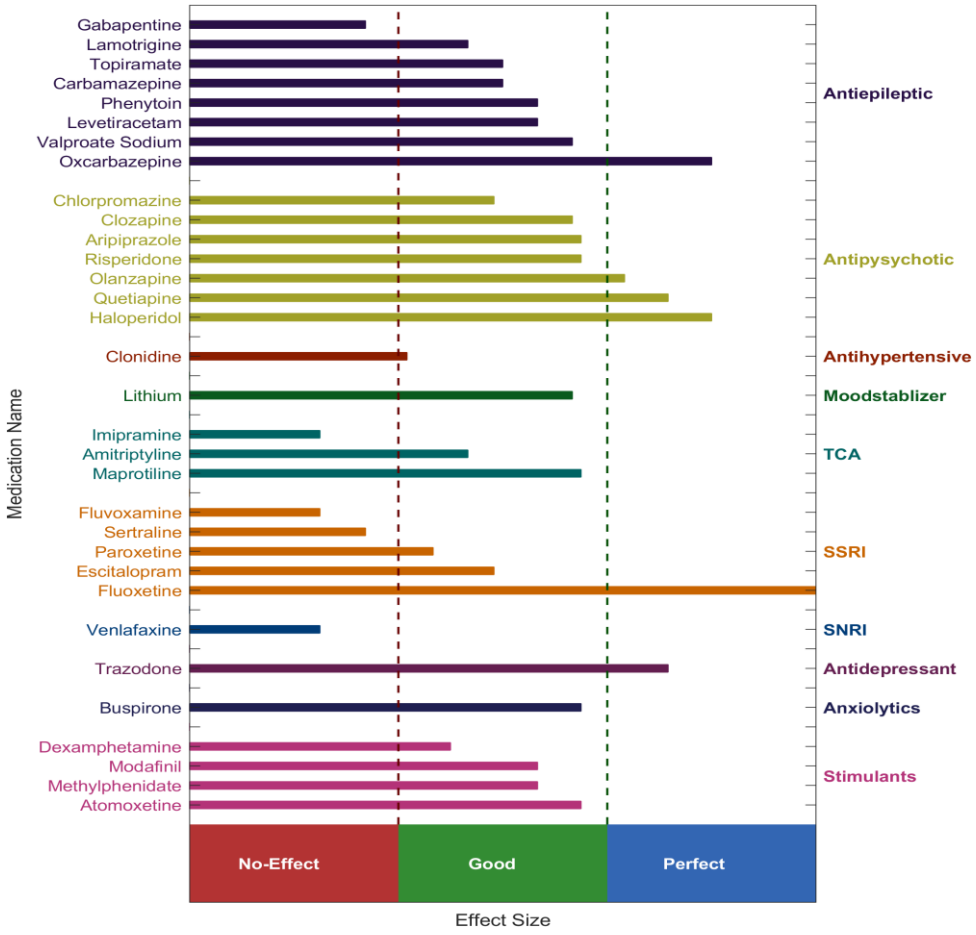
According to the guidelines, psychiatric disorders in children (under 17 years) include *ADHD, learning disorder (LD), PTSD, OCD, depression, and anxiety.* In the above graph, the red area shows the percentage of each disorder from your patient's EEG markers. Observe that each disorder marker is not unique and can be shared with others.

References:
Sadock, B. J., Sadock, V. A., & Ruiz, P. (Eds.). (2025). Kaplan and Sadock's comprehensive textbook of psychiatry (11th ed., Vols. 1–2). Wolters Kluwer
Sadock, B. J., Sadock, V. A., & Ruiz, P. (2022). Kaplan and Sadock's synopsis of psychiatry: Behavioral sciences/clinical psychiatry (12th ed.). Wolters Kluwer

User Manual



QEEG Based Predicting Medication Response



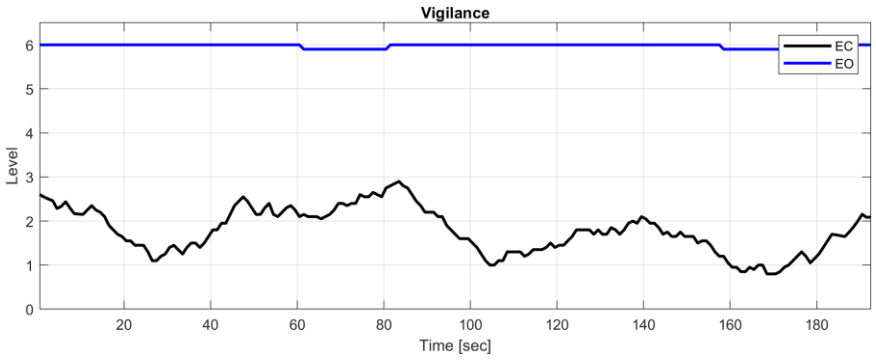
Explanation

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

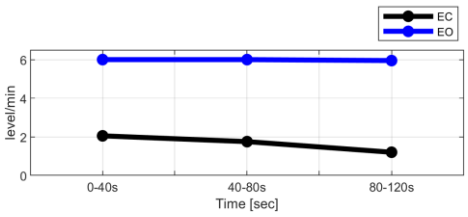
These two charts, calculate response probability to various medications, according only to QEEG indicators. Blue charts favor drug response and red charts favor drug resistance. The longer the bar, the more evidence there is in the articles. Only drugs listed in the articles are listed. These tables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

Vigilance



Vigilance Slope

EC:-0.18 2min **EO:-0.01** 2min



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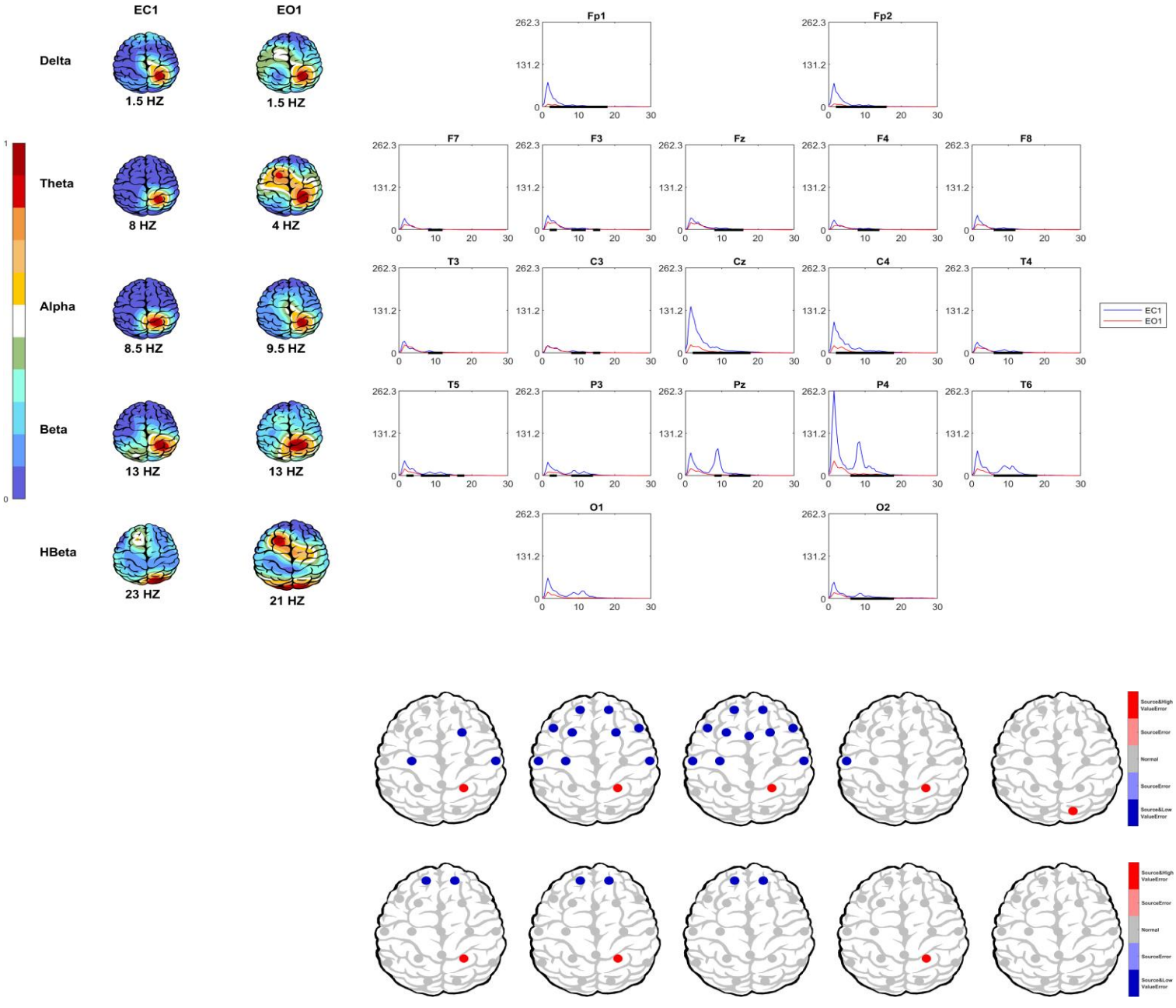
AFP - EC	Frontal	11.00	High
APF - EO	Occipital	12.38	High
AFP - EC	Occipital	11.00	High
Alpha Asymmetry - EO	Frontal	00.15	Anxiety
Alpha Asymmetry - EC	Frontal	00.06	Anxiety
Alpha Asymmetry - EO	Occipital	-0.07	Anhedonia
Alpha Asymmetry - EC	Occipital	00.27	Anxiety
Beta Asymmetry - EO	Frontal	00.21	Anhedonia
Beta Asymmetry - EC	Frontal	00.21	Anhedonia
Alpha Blocking	-	-	Not Observed
Arousal Level - EO	-	-	High
Arousal Level - EC	-	-	Normal
Vigilance Level - EO	-	06.00	Normal
Vigilance Level - EC	-	02.00	Low
Vigilance Mean - EO	-	05.98	Normal
Vigilance Mean - EC	-	01.78	Low
Vigilance Regulation - EO	-	-0.01	Normal
Vigilance Regulation - EC	-	-0.18	Normal
Vigilance 0 Stage (%) - EO	-	98.96	High
Vigilance 0 Stage (%) - EC	-	00.00	Normal
Vigilance A1 Stage (%) – EO	-	00.00	-
Vigilance A1 Stage (%) – EC	-	01.55	-

EEG Spectra

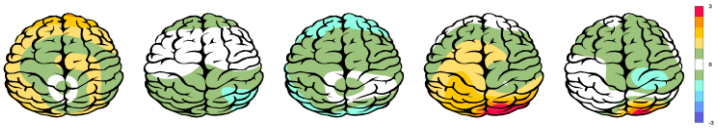

EC1
EO1
Delta
1.5 HZ
1.5 HZ
Theta
8 HZ
4 HZ
Alpha
8.5 HZ
9.5 HZ
Beta
13 HZ
13 HZ
HBeta
23 HZ
21 HZ
1
0
Fp1
Fp2
F7
F3
Fz
F4
F8
T3
C3
Cz
C4
T4
T5
P3
Pz
P4
T6
O1
O2
262.3
131.2
0
10
20
30
EC1
EO1

Z Score Summary Information

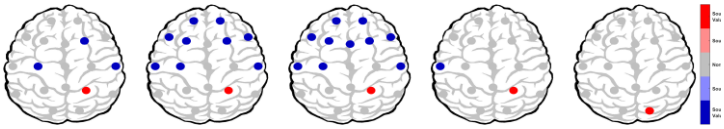
Eye Close

Absolute Power

Relative Power



Generation Source



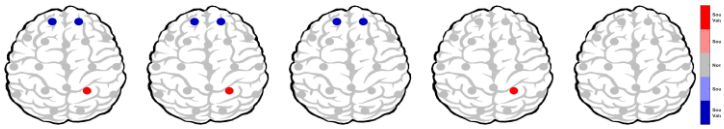
Coherence

Eye Open

Absolute Power

Relative Power

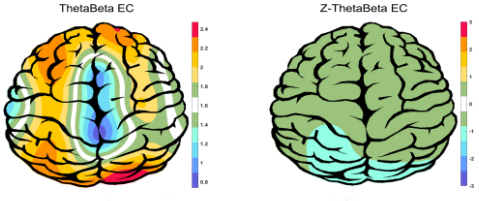
Generation Source



Coherence

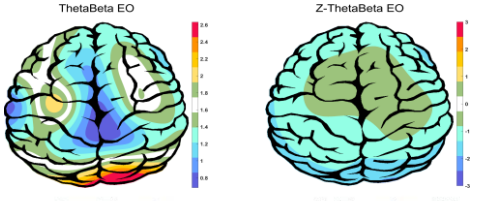
Theta/Beta Ratio

Eye Close



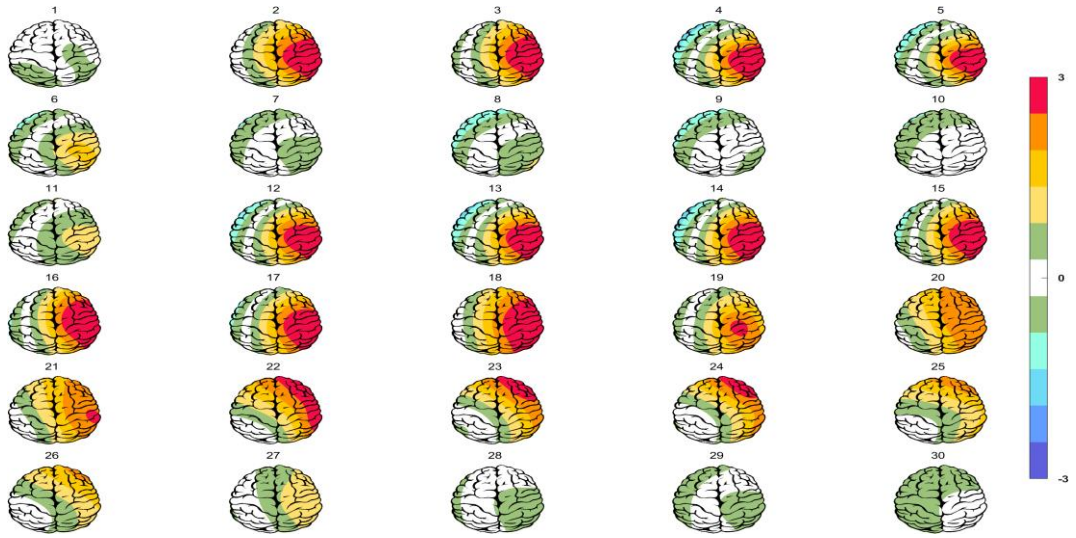
Raw ThetaBeta | Z- ThetaBeta EC

Eye Open

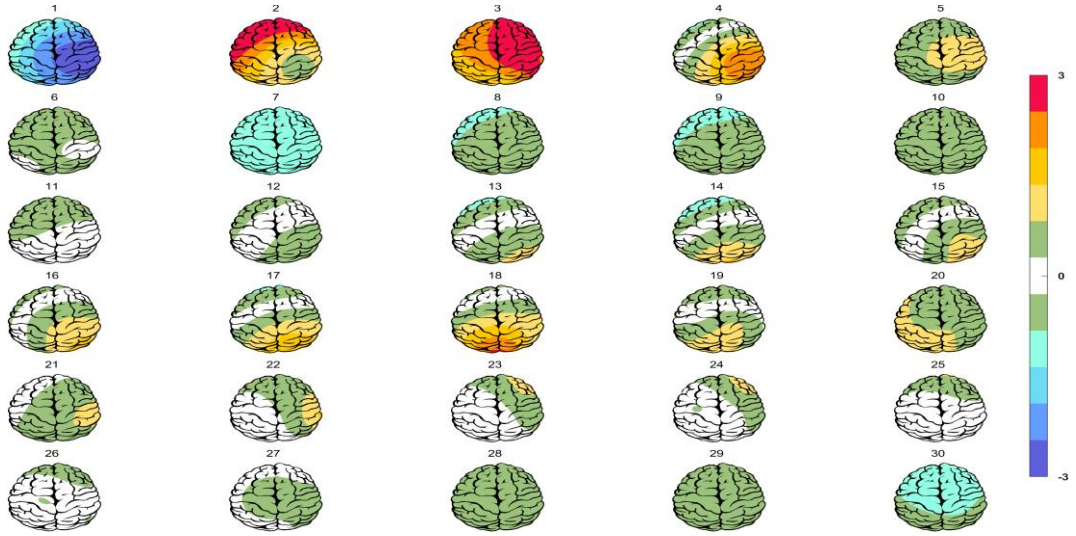


Raw ThetaBeta | Z- ThetaBeta EC

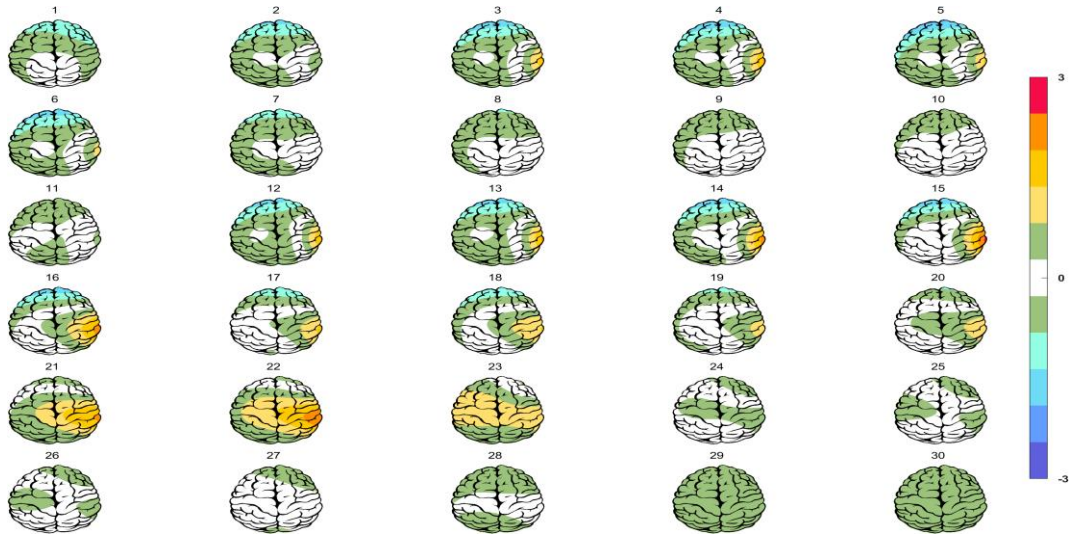
Absolute Power-Eye Close



Relative Power-Eye Close



Absolute Power-Eye Open



Relative Power-Eye Open