QEEG Clinical Report

EEGLens

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

Personal Data:

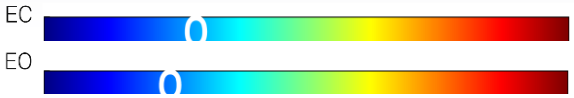
Name: Test Test
Gender: Male
Age: 1995-08-15 - 30.5
Handedness: Right

Clinical Data:

Initial diagnosis: Drug Abuse
Medication: -
Date of Recording: 2025-12-23
Source of Referral: Drtest

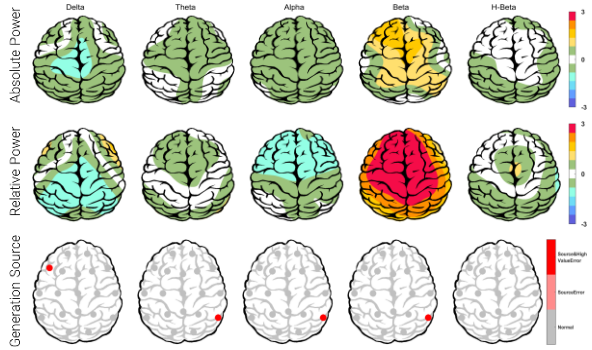
This case belongs to Drtest

EEG Quality

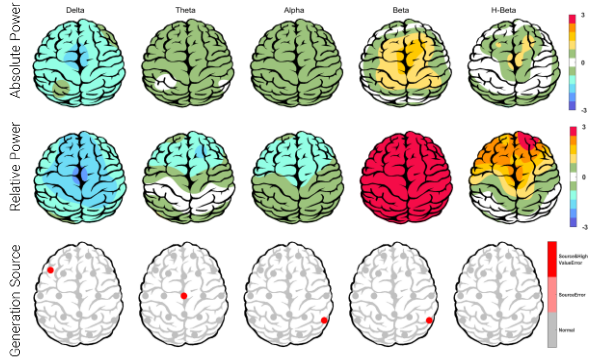


Z-score Information

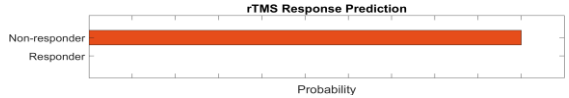
EC



EO



TMS Responsibility



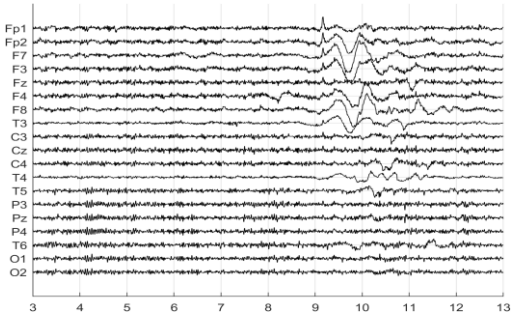
EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF - EO	Frontal	11.17	High
APF - EC	Frontal	11.00	High
APF - EO	Occipital	11.25	High
APF - EC	Occipital	11.00	High
Arousal Level - EO	-	-	Normal
Arousal Level - EC	-	-	Normal

Denoising Information

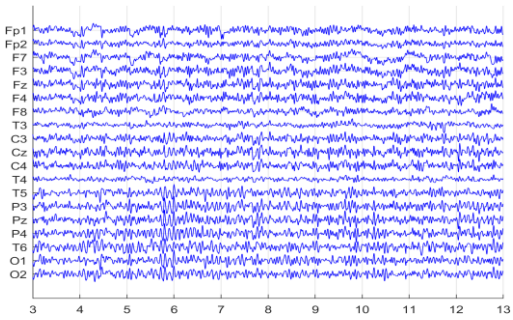
Eye Close

Raw EEG



Rejected Channel

Denoised EEG



Flat Channel

Total Recording Time Remaining:
218.58 sec

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

Low Artifact Percentage

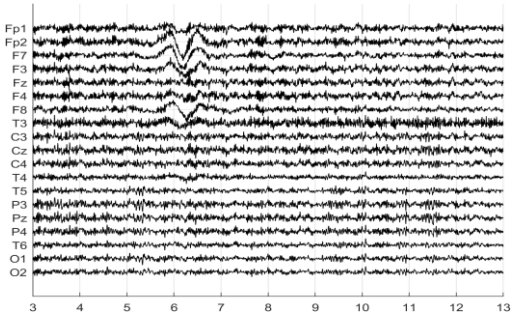
High Artifact Percentage

Total Artifact Percentage

EEG Quality: perfect

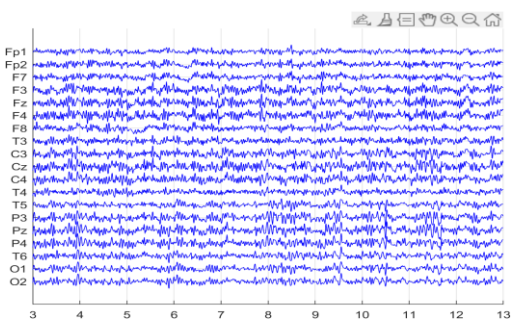
Eye Open

Raw EEG



Rejected Channel

Denoised EEG



Flat Channel

Total Recording Time Remaining:
240.14 sec

Number of Eye and Muscle Elements
Eye: 2
Muscle: 1

Low Artifact Percentage

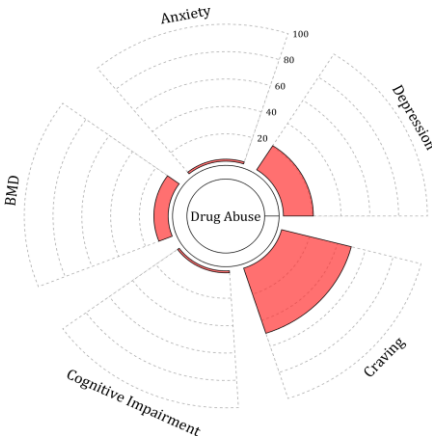
High Artifact Percentage

Total Artifact Percentage

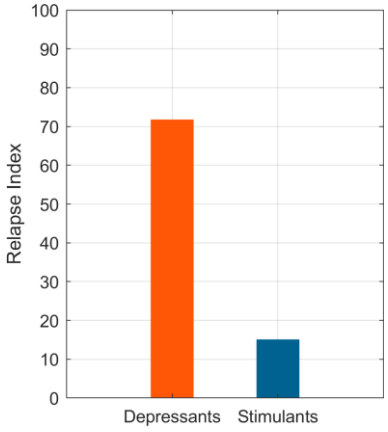
EEG Quality: perfect

Pathological Assessment for Substance Abuse

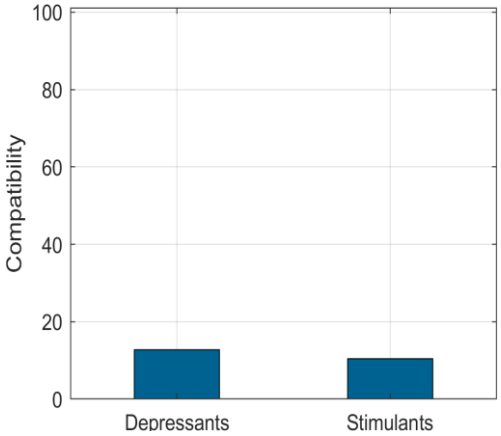
Comorbid Symptoms



Relapse Index

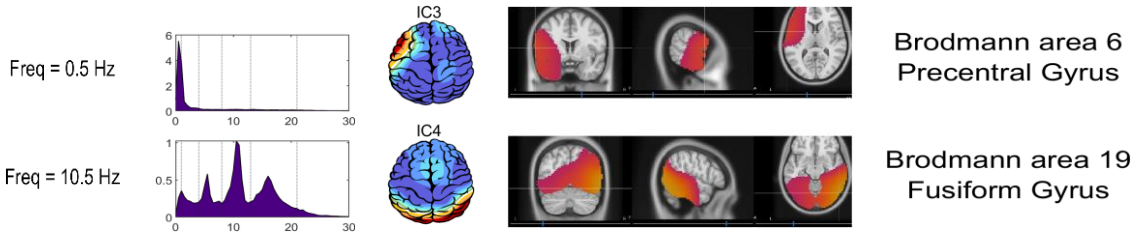


Substance Abuse Compatibility



Functional Problems Source Detection

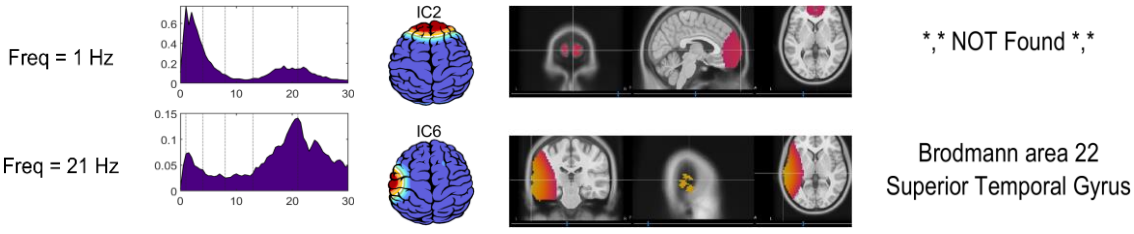
Eye Close



Brodmann area 6
Precentral Gyrus

Brodmann area 19
Fusiform Gyrus

Eye Open



, NOT Found *,*

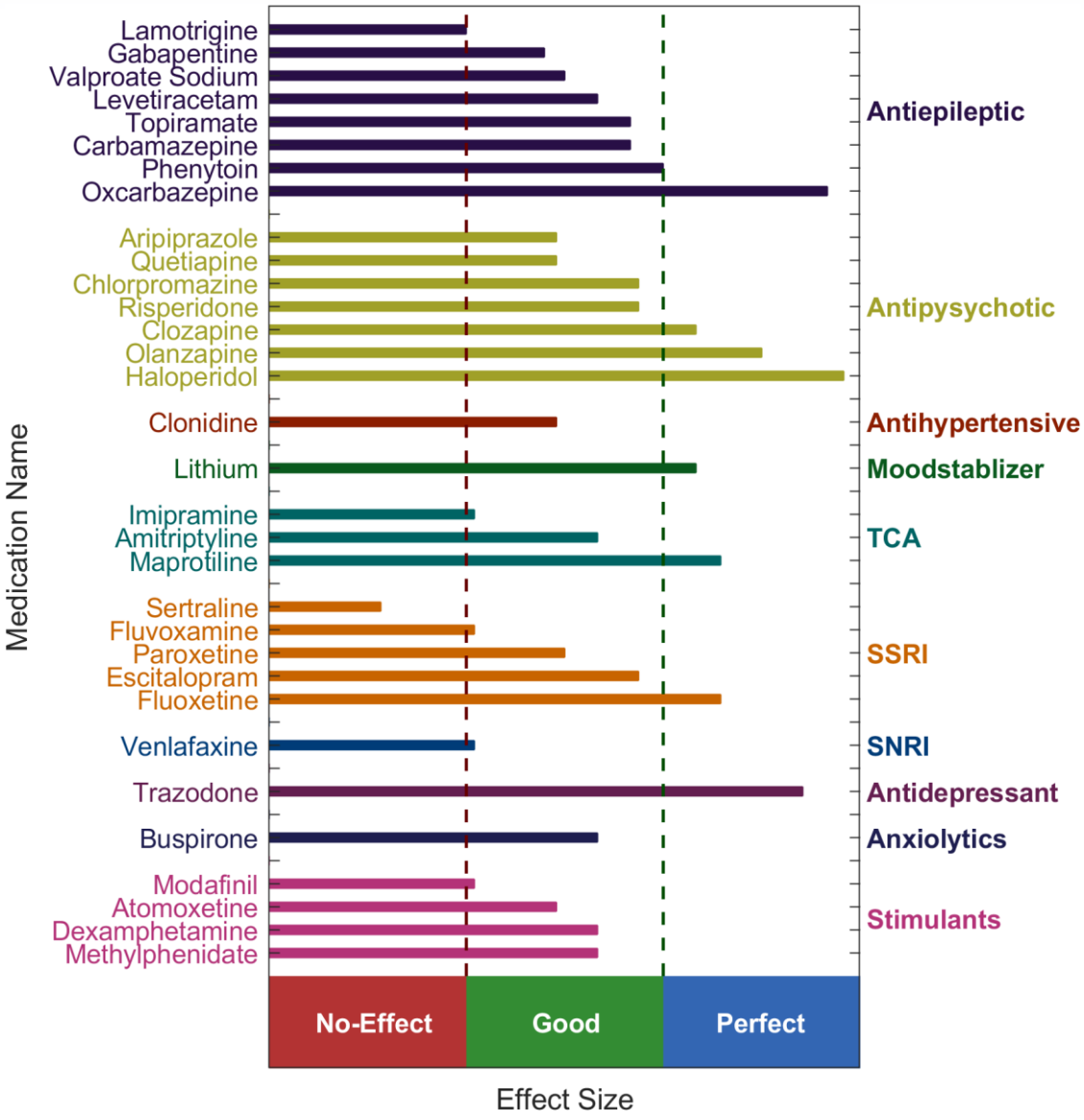
Brodmann area 22
Superior Temporal Gyrus

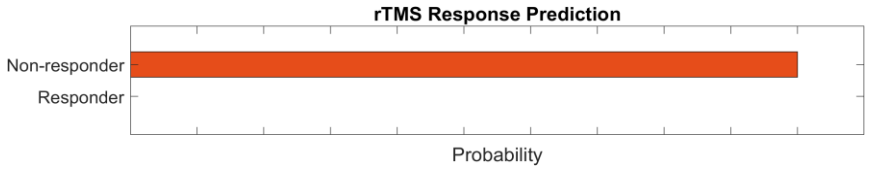
Note

The **Relapse** graph displays the relapse index based on a combination of EEG neuromarkers. It is valid only if the patient has used each of the substances included in the chart; otherwise, the index is not applicable.

The **Compatibility** graph shows how closely the patient's EEG neuromarkers match typical EEG changes caused by specific substances. It helps identify the dominant substance effect in cases of multiple drug use. This index is also valid only if the patient has actually used the substances represented.

QEEG Based Predicting Medication Response





Explanation

These two tables present the primary neuromarker findings from NPCindex Research Institute, derived from our research on medication-free Iranian cohorts.

The NPCindex team identified and validated 85 candidate features across raw bands, spectra, power, coherence, and LORETA, and report them here without sub-segregation to minimize complexity.

For context and methodology, see qeeghome.com.

Medication Recommendation

Use the medication charts in three quick steps:

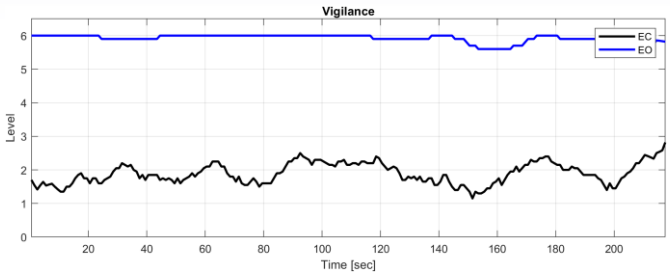
1- Filter the medication groups by your working diagnosis.

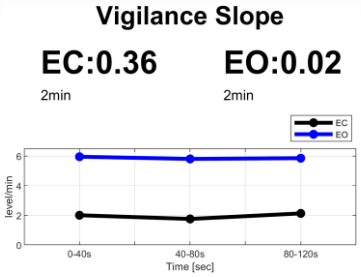
2- Within each group, re-filter by your clinical assessment and the patient's specifics (comorbidities, contraindications, preferences).

3- From the remaining options, use the reported effect sizes to choose.

Based on papers, following this workflow has raised our response rates by ~20–30%.

Vigilance

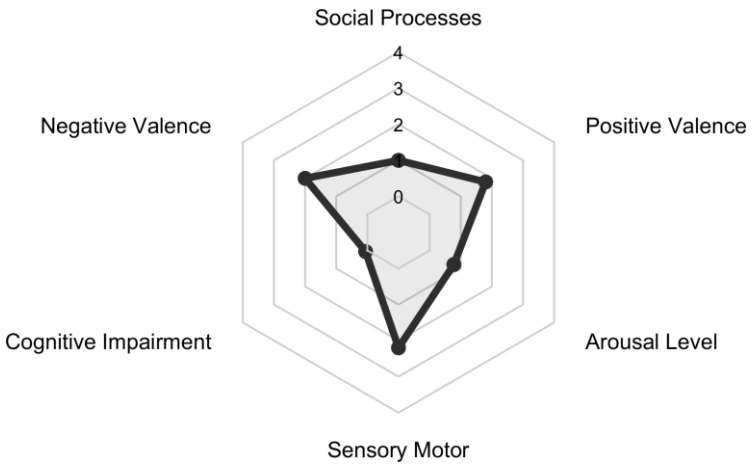




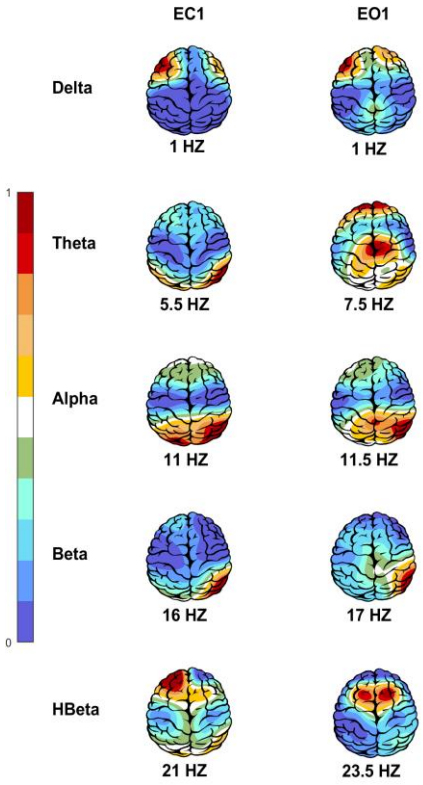
EEG Neuromarker Values

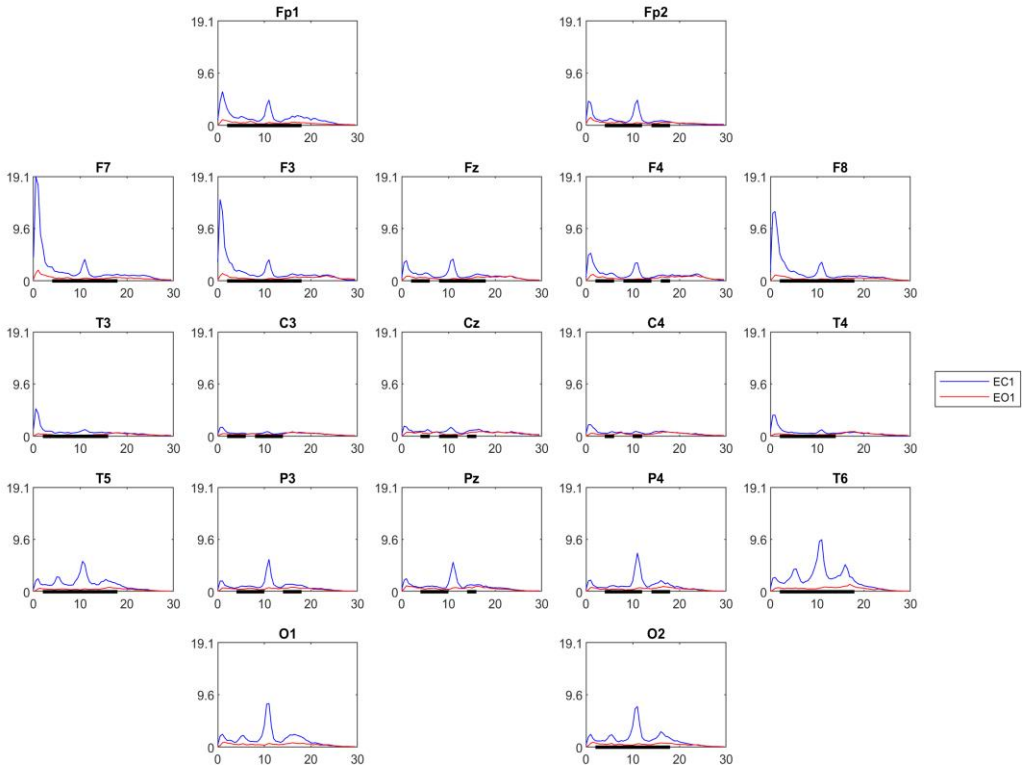
Neuromarker	Region	Value	Assessment
APF - EO	Frontal	11.17	High
APF - EC	Frontal	11.00	High
APF - EO	Occipital	11.25	High
APF - EC	Occipital	11.00	High
Alpha Asymmetry	Frontal	00.05	Anxiety
Alpha Asymmetry	Occipital	00.04	Anxiety
Beta Asymmetry	Frontal	00.05	Anhedonia
Alpha Blocking Error	-	-	Not
Vigilance Level - EO	-	06.00	Normal
Vigilance Level - EC	-	02.00	Normal
Vigilance Mean - EO	-	05.92	Normal
Vigilance Mean - EC	-	01.89	Low
Vigilance Regulation - EO	-	00.02	Normal
Vigilance Regulation - EC	-	00.36	Normal
Vigilance 0 Stage (%) - EO	-	95.87	Normal
Vigilance 0 Stage (%) - EC	-	00.00	Normal
Vigilance A1 Stage (%) – EO	-	00.00	-
Vigilance A1 Stage (%) – EC	-	00.46	-

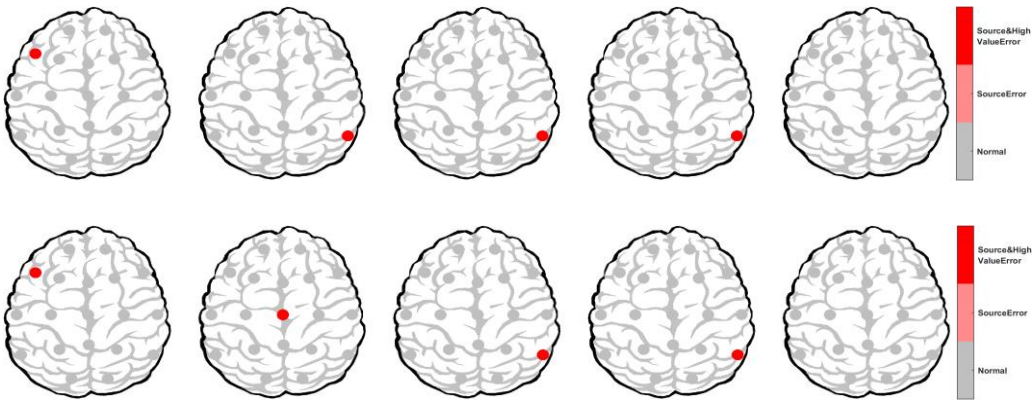
RDoC Domain



EEG Spectra


EC1
EO1
Delta
1 HZ
1 HZ
Theta
5.5 HZ
7.5 HZ
Alpha
11 HZ
11.5 HZ
Beta
16 HZ
17 HZ
HBeta
21 HZ
23.5 HZ
1
0


Fp1
Fp2
F7
F3
Fz
F4
F8
T3
C3
Cz
C4
T4
T5
P3
Pz
P4
T6
O1
O2
19.1
9.6
0
10
20
30
EC1
EO1


Source&High ValueError
SourceError
Normal
Source&High ValueError
SourceError
Normal

Z Score Summary Information

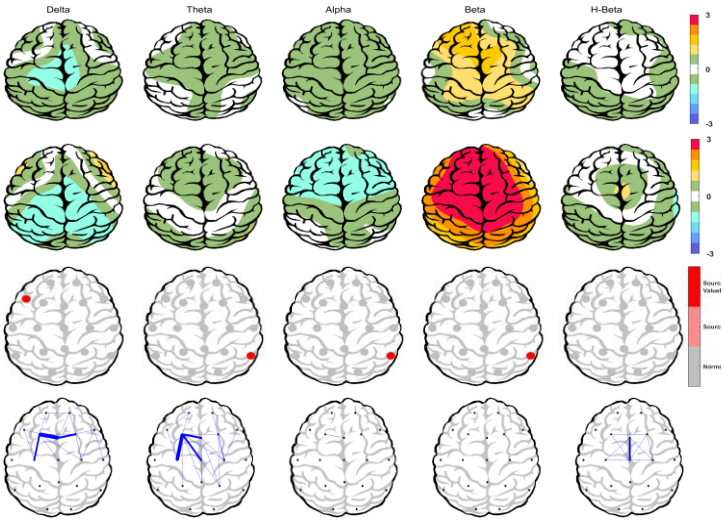
Eye Close

Absolute Power

Relative Power

Generation Source

Coherence



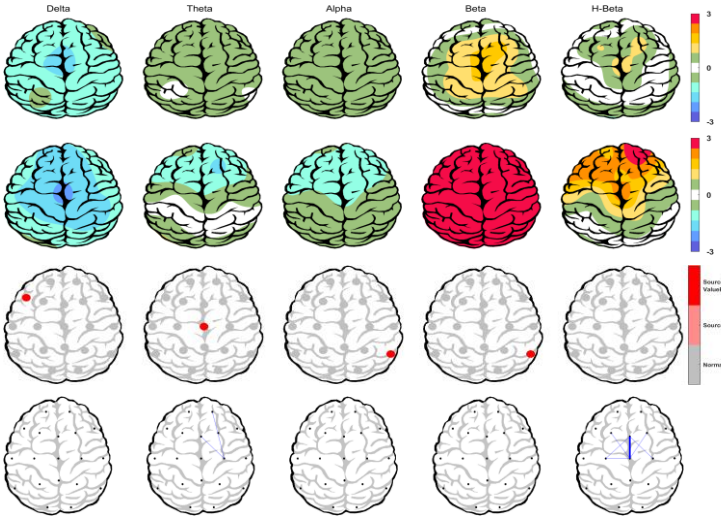
Eye Open

Absolute Power

Relative Power

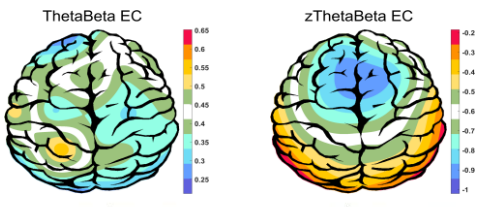
Generation Source

Coherence



Theta/Beta Ratio

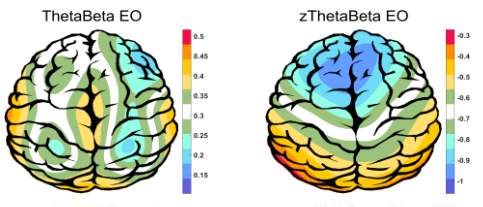
Eye Close



Raw ThetaBeta

Z- ThetaBeta EC

Eye Open



Raw ThetaBeta

Z- ThetaBeta EC