

QEEG Clinical Report

EEGLens



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

Personal Data:

Name: Hale Naghdi
Gender: Female
Age: 1987-09-01 - 38.2
Handedness: Right

Clinical Data:

Initial diagnosis: OCD
Medication: Asentra
Date of Recording: 2025-10-19
Source of Referral: Dr Ghasemi



This case belongs to Dr Ghasemi

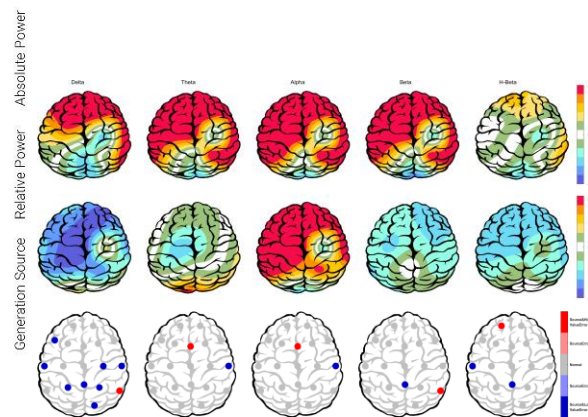
EEG Quality

EO



Z-score Information

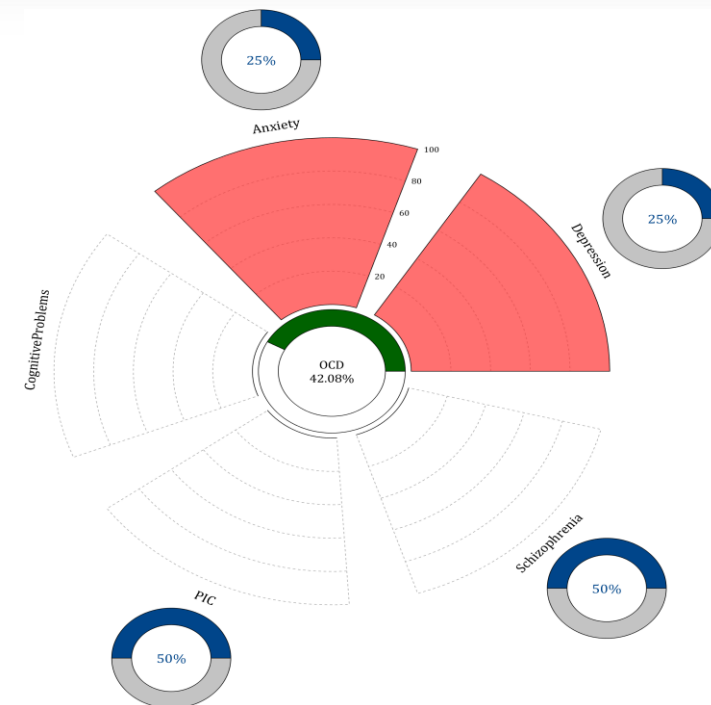
EO



EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
AFP - EO	Frontal	09.75	Normal
AFP - EO	Occipital	09.75	Normal
Arousal Level - EO	-	-	Normal

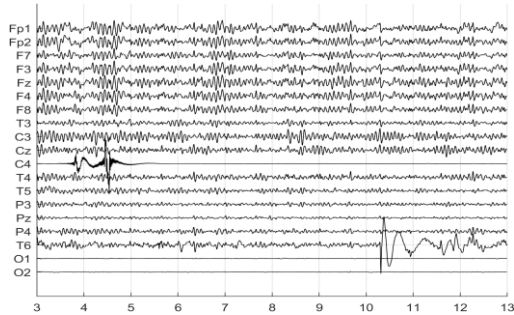
Pathological Assessment



Denoising Information

Eye Open

Raw EEG



Rejected Channel



Total Recording Time Remaining:

70.60 sec

Number of Eye and Muscle Elements

Eye: 1

Muscle: 0

Low Artifact Percentage



High Artifact Percentage

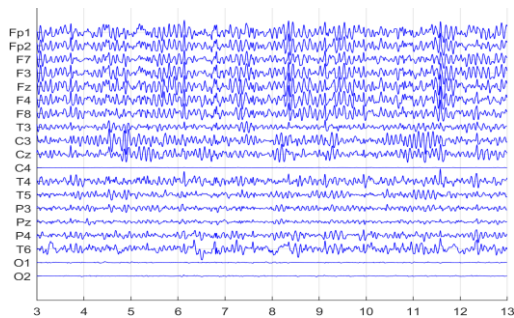


Total Artifact Percentage



EEG Quality: good

Denoised EEG

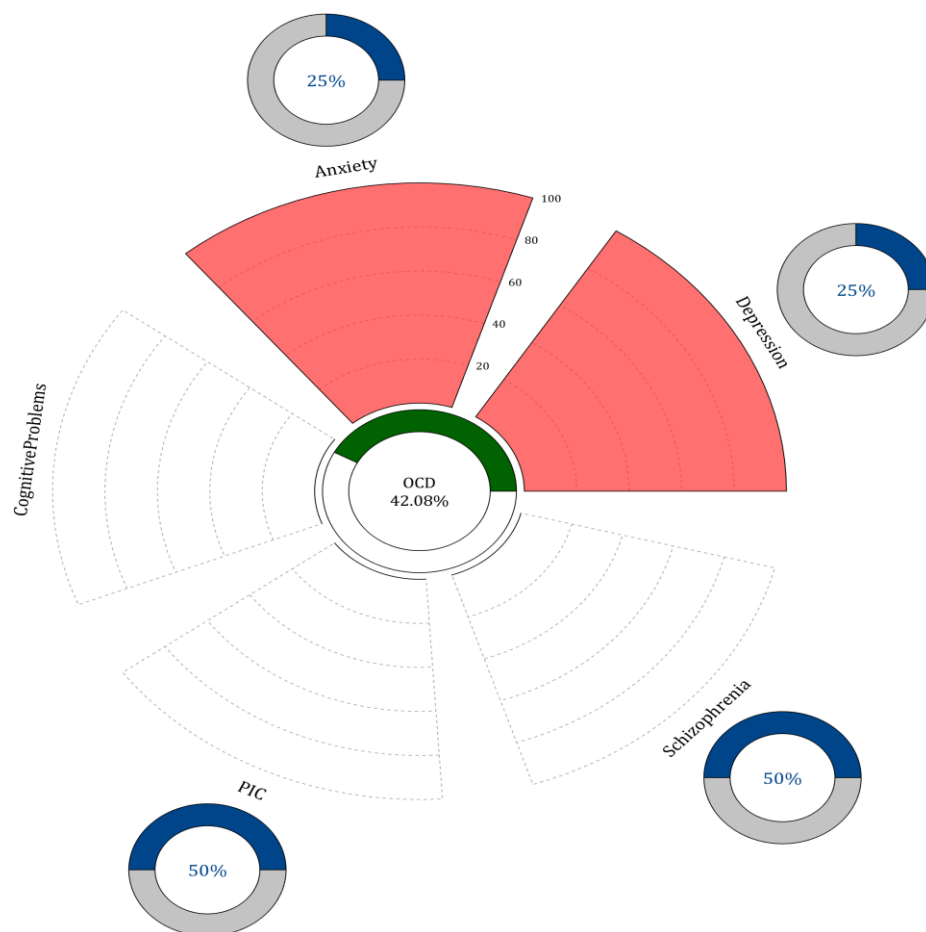


Flat Channel



Pathological Assessment

Main Diagnosis: OCD



Description

According to the guidelines, the initial diagnosis of OCD could have comorbidities such as **alcohol abuse, depression, and anxiety**. It also differentially diagnoses with **anxiety, impulsive control disorder, depression, and schizophrenia**.

In the above graph, the **red area** shows the percentage of each comorbidity from your patient's EEG markers. Observe that each comorbidity marker is not unique and can be shared with other comorbidities.

Side circles in the above graph represent the differential diagnosis between depression and its misdiagnosis conditions based on your patient's EEG markers and trained artificial intelligence. The differential diagnosis probability is represented by the **bold blue bars** in the circles, and the probability of depression is represented by the **gray bars**.

Note: In case your patient has drug abuse, obtain the substance abuse pathologic page of QEEGhome by registering the diagnosis under the initial diagnoses section of the website.

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

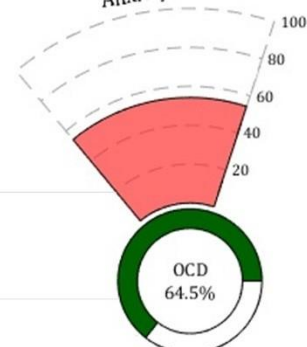
User Manual

Differential Diagnosis Probability



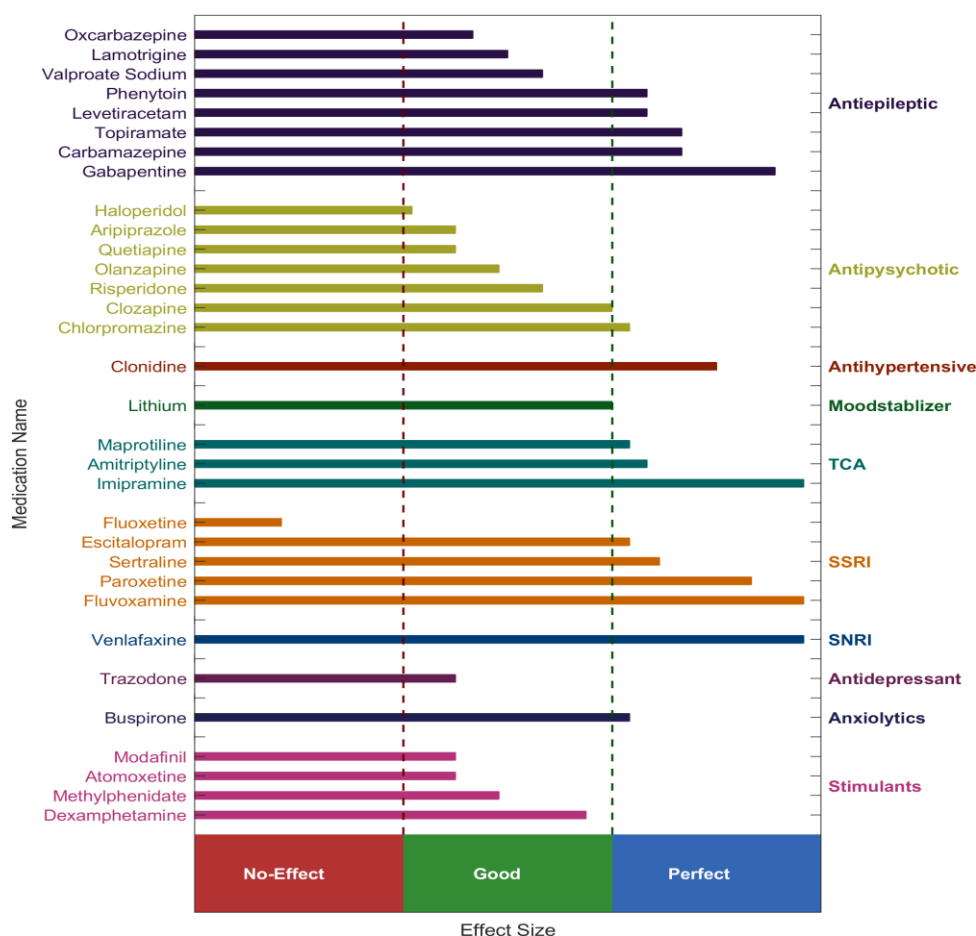
Anxiety

Comorbidity Percentage



Main Diagnosis Compatibility

QEEG Based Predicting Medication Response



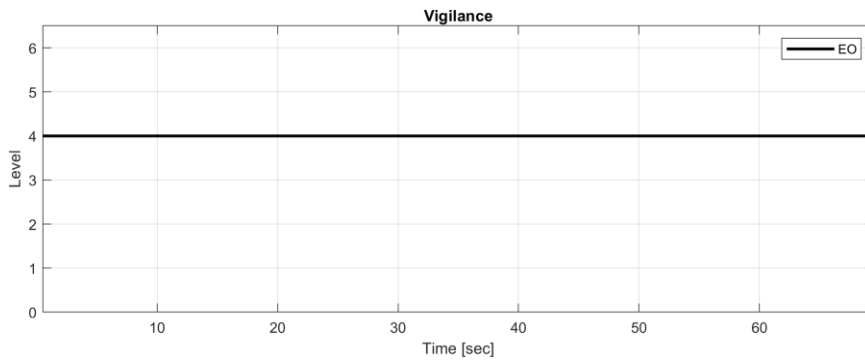
Explanation

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 Pharmac 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.

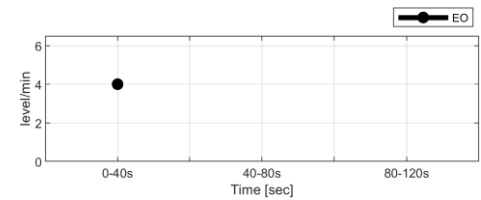
Vigilance



Vigilance Slope

0.00

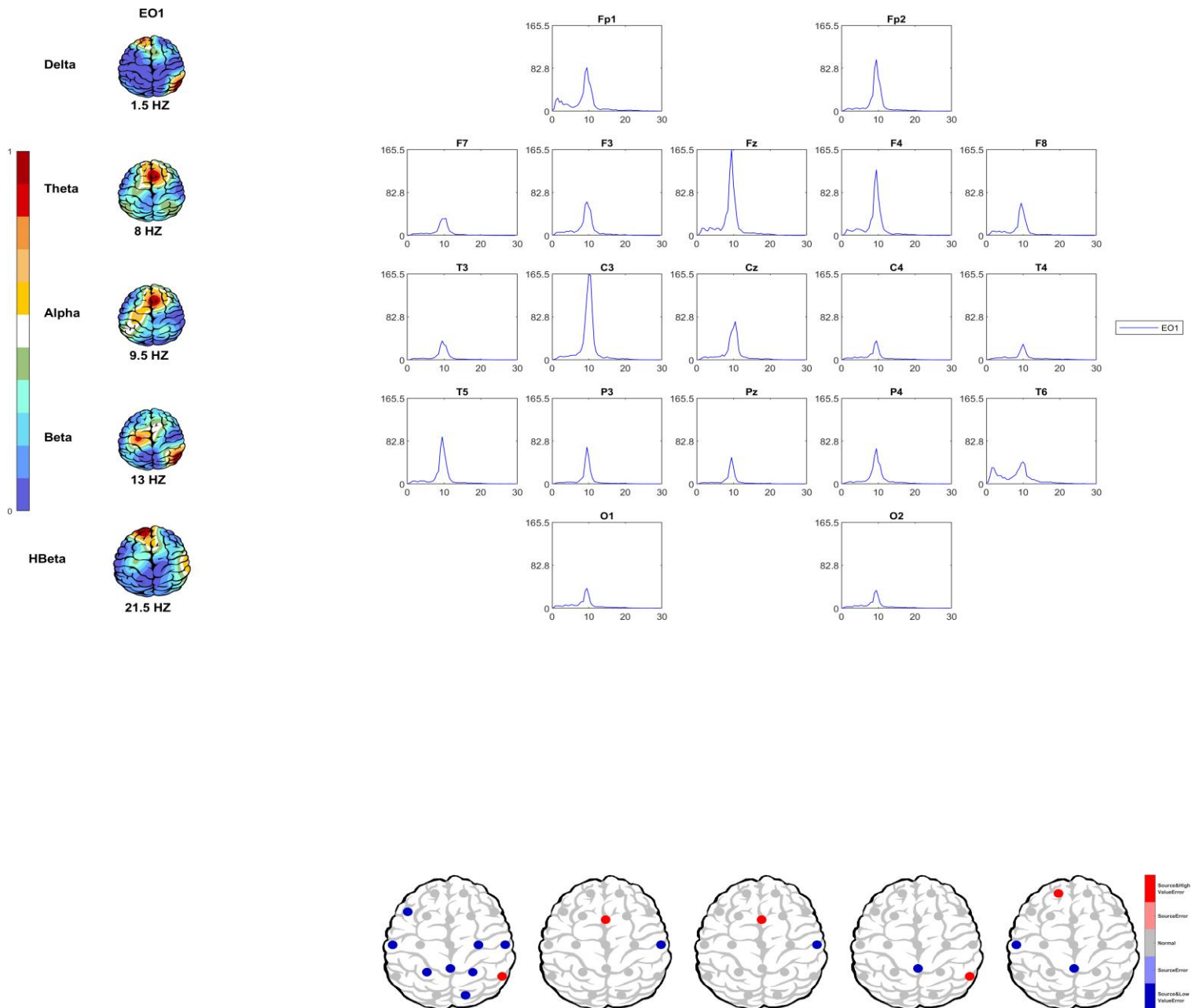
2min



EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF	Frontal	09.75	Normal
APF	Occipital	09.75	Normal
Alpha Asymmetry	Frontal	-0.15	Anhedonia
Alpha Asymmetry	Occipital	00.03	Anxiety
Beta Asymmetry	Frontal	-0.07	Anxiety
Arousal Level	-	-	Normal
Vigilance Level	-	04.00	Normal
Vigilance Mean	-	04.00	Normal
Vigilance Regulation	-	00.00	Normal
Vigilance 0 Stage (%)	-	00.00	Normal
Vigilance A1 Stage (%)	-	00.00	-

EEG Spectra



Z Score Summary Information

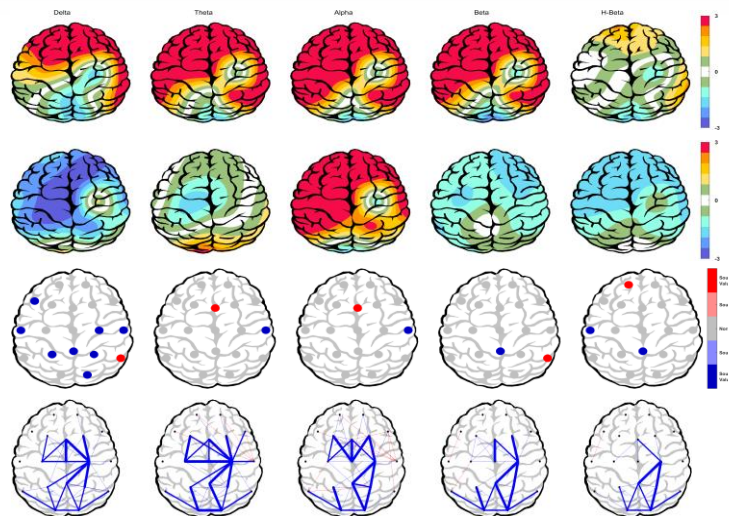
■ Eye Open

Absolute Power

Relative Power

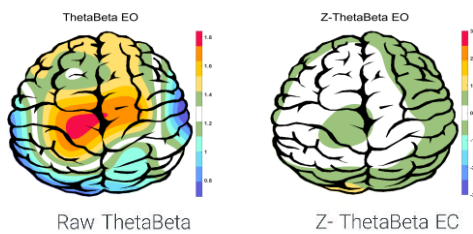
Generation Source

Coherence

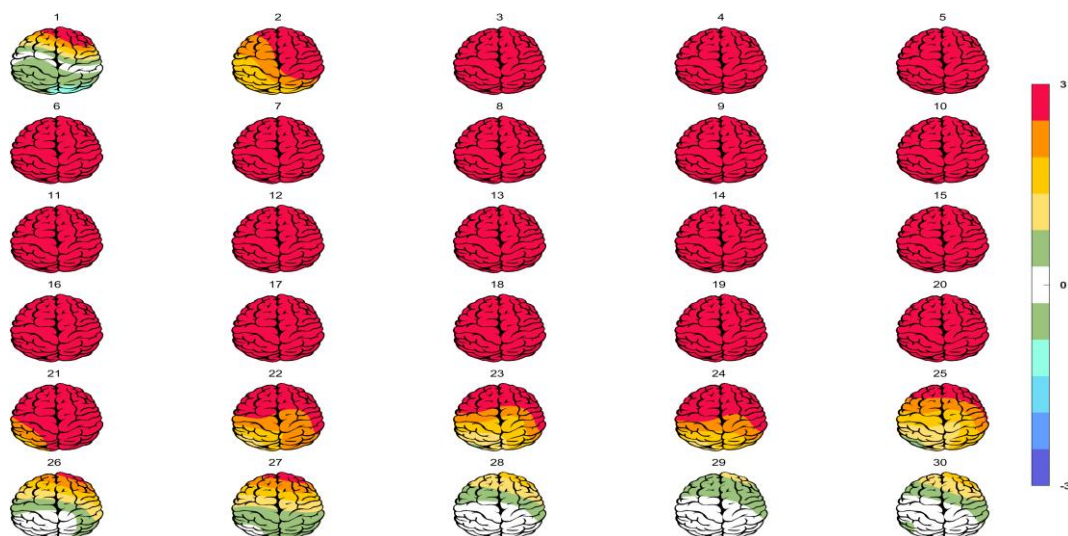


Theta/Beta Ratio

■ Eye Open



Absolute Power-Eye Open



Relative Power-Eye Open

