QEEG Clinical Report

EEGLens





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

Personal Data:

Name: Omolbanin Pakruz

Gender: Female

Age: 2009-12-13 - 16.1 Handedness: Right

Clinical Data:

Initial diagnosis: Anxiety-Negative Thoughts-Rumination

Medication: -

Date of Recording: 2025-10-15 Source of Referral: Dr Dinarvand



This case belongs to Dr Dinarvand







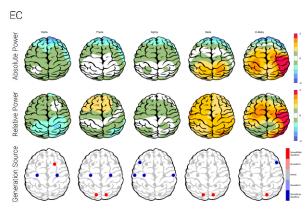


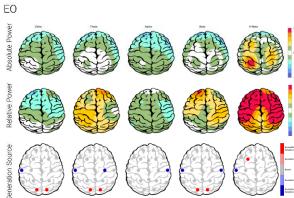


EEG Quality

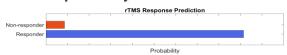


Z-score Information

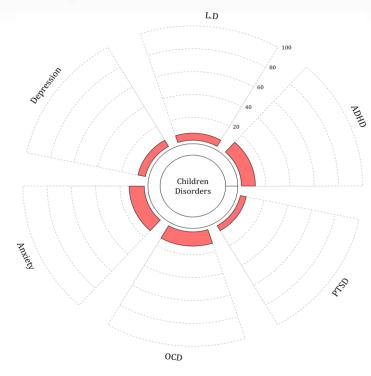




■ TMS Reponsibility



■ Pathological Assessment



■ EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF - EO	Frontal	09.83	Normal
AFP - EC	Frontal	11.58	High
APF - EO	Occipital	10.50	Normal
AFP - EC	Occipital	11.62	High
Arousal Level - EO		-	Normal
Arousal Level - EC	-	-	High

QEEGhome Clinical Report

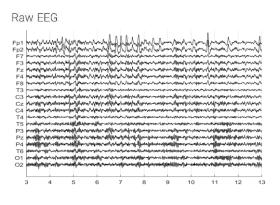
Dr Dinarvand





Denoising Information

Eye Close



Rejected Channel

Total Recording Time Remaining:
231.42 sec

Number of Eye and Muscle Elements
Eye: 3
Muscle: 1

Low Artifact Percentage

High Artifact Percentage

Denoised EEG

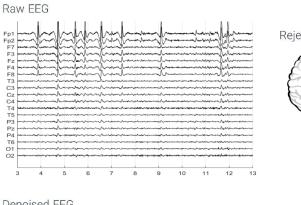
Fpt Administration of the Control of



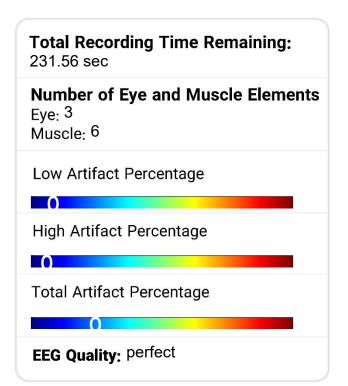
Total Artifact Percentage

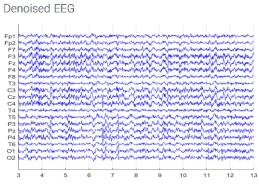
EEG Quality: perfect

Eye Open









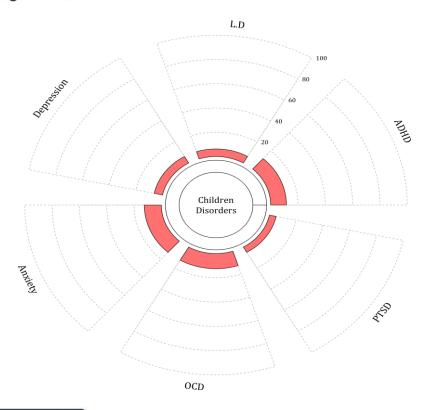






Pathological Assessment

Main Diagnosis: Children Disorder



ADHD Subtypes

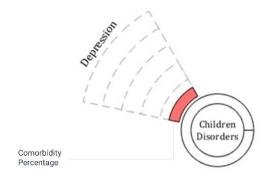
1. Prone to moody behavior and temper tantrums. May be anxious, may be highly intelligent, need sufficient sleep, and should avoid high carbohydrate intake. Avoide stimulants,

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





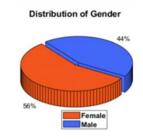


rTMS Response Prediction

Network Performance

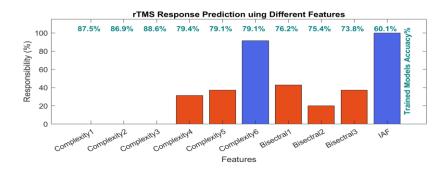
Accuracy: 92.10% Sensitivity: 89.13% Specificity: 97.47%

Participants Information

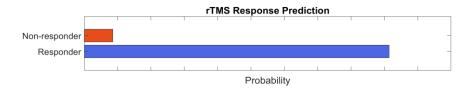




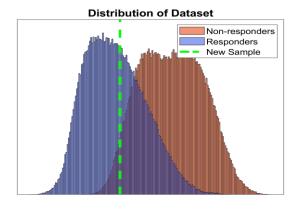
Features Information



Responsibility



Data Distribution



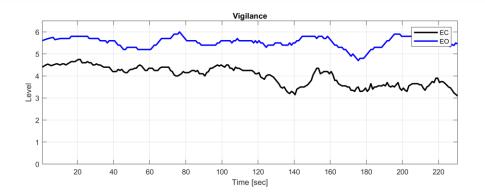
About Predicting rTMS Response

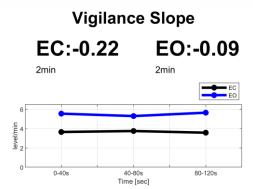
This index was obtained based on machine learning approaches and by examining the QEEG biomarkers of more than 470 cases treated with rTMS. The cases were diagnosed with depression (with and without comorbidity) and all were medication free. By examining more than 40 biomarkers capable of predicting response to rTMS treatment in previous studies and with data analysis, finally 10 biomarkers including bispectral and nonlinear features entered the machine learning process. The final chart can distinguish between RTMS responsive and resistant cases with 92.1% accuracy. This difference rate is much higher than the average response to treatment of 44%, in the selection of patients with clinical criteria, and is an important finding in the direction of personalized treatment for rTMS.





Vigilance





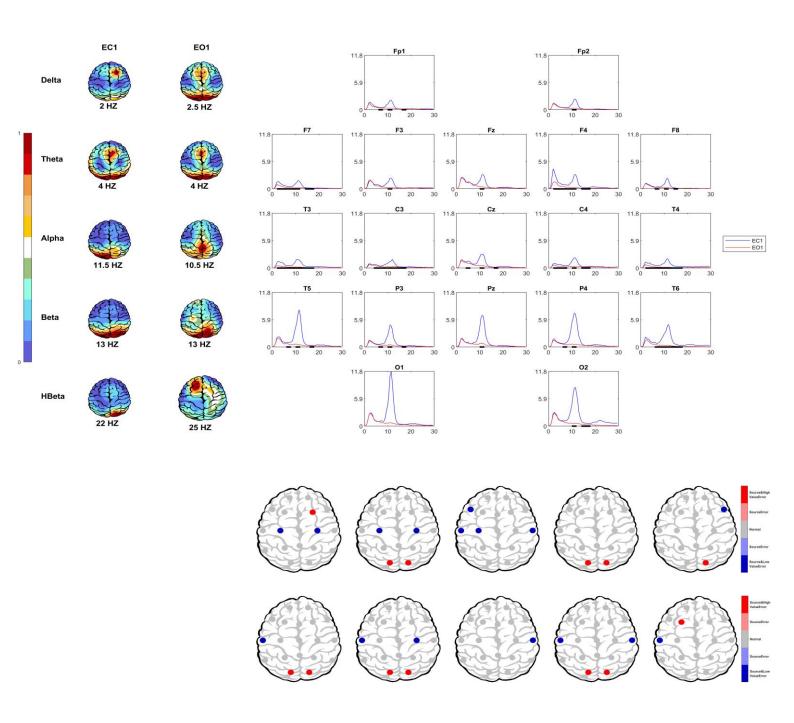
EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF - EO	Frontal	09.83	Normal
AFP - EC	Frontal	11.58	High
APF - EO	Occipital	10.50	Normal
AFP - EC	Occipital	11.62	High
Alpha Asymmetry - EO	Frontal	-0.00	Anhedonia
Alpha Asymmetry - EC	Frontal	-0.12	Anhedonia
Alpha Asymmetry - EO	Occipital	00.02	Anxiety
Alpha Asymmetry - EC	Occipital	00.07	Anxiety
Beta Asymmetry - EO	Frontal	00.12	Anhedonia
Beta Asymmetry - EC	Frontal	-0.16	Anxiety
Alpha Blocking	-	-	Not Observed
Arousal Level - EO	-	-	Normal
Arousal Level - EC	i Že	-	High
Vigilance Level - EO	<u>-</u> 0	06.00	Normal
Vigilance Level - EC	-	04.00	Normal
Vigilance Mean - EO	-	05.53	Normal
Vigilance Mean - EC		04.00	Normal
Vigilance Regulation - EO	-0	-0.09	Normal
Vigilance Regulation - EC	-	-0.22	Normal
Vigilance 0 Stage (%) - EO	-	76.62	High
Vigilance 0 Stage (%) - EC	-	00.00	Normal
Vigilance A1 Stage (%) - E0	-	00.00	-
Vigilance A1 Stage (%) - EC		46.75	-





EEG Spectra

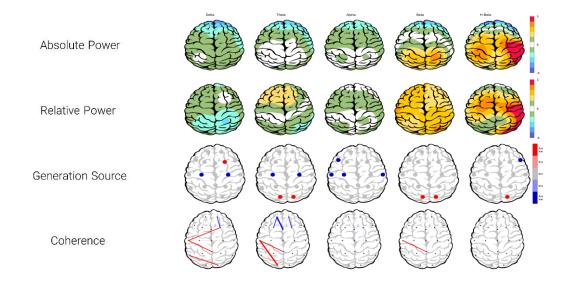




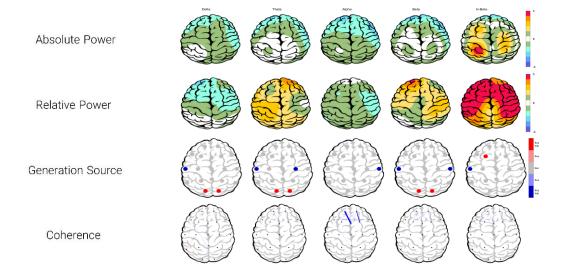


Z Score Summary Information

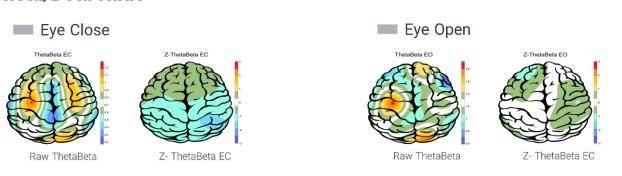
Eye Close



Eye Open



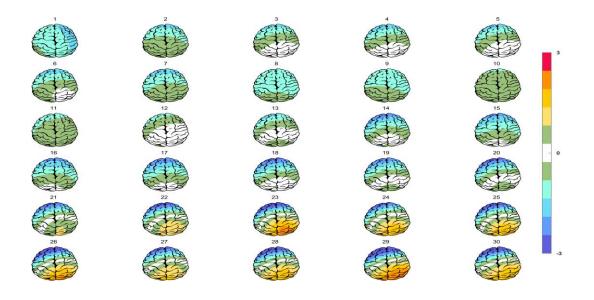
Theta/Beta Ratio



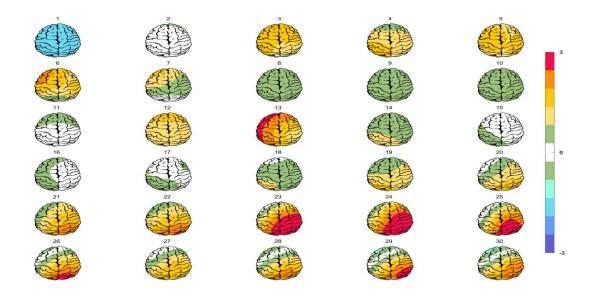




Absolute Power-Eye Close



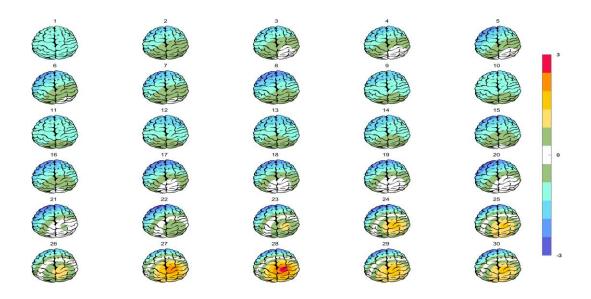
Relative Power-Eye Close







Absolute Power-Eye Open



Relative Power-Eye Open

