

QEEG Clinical Report

EEGLens

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



Personal Data:

Name: Arash Ashrafi

Gender: Male

Age: 2019-01-03 - 7

Handedness: Right

Clinical Data:

Initial diagnosis: ADHD-Irritability

Medication: Atomoxetine-Ritalin

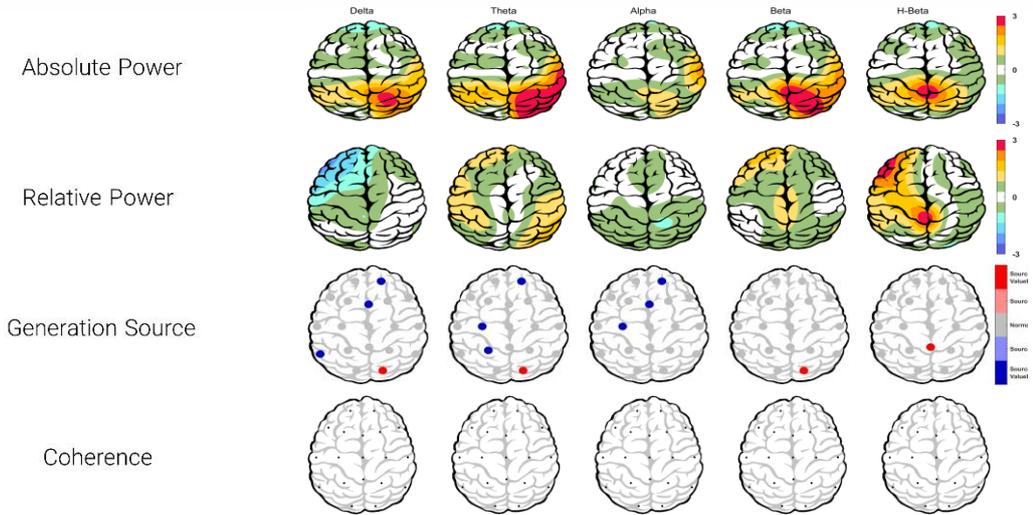
Date of Recording: 2025-10-11

Source of Referral: Dr Sabourmoghaddam

This case belongs to Dr Sabourmoghaddam

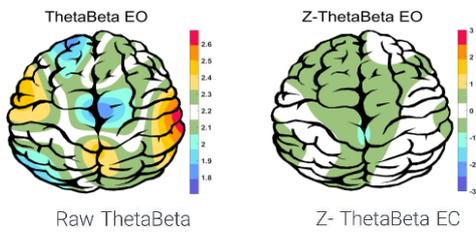
Z Score Summary Information

■ Eye Open

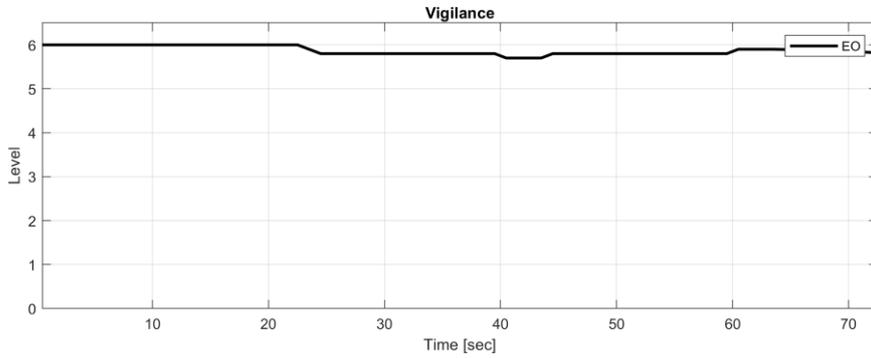


Theta/Beta Ratio

■ Eye Open



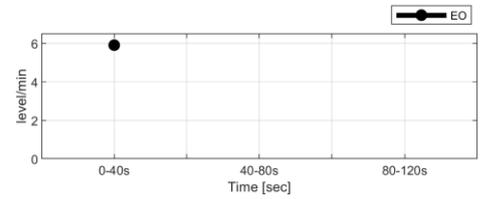
Vigilance



Vigilance Slope

-0.21

2min



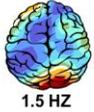
EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
APF	Frontal	10.33	High
APF	Occipital	10.62	High
Alpha Asymmetry	Frontal	-0.10	Anhedonia
Alpha Asymmetry	Occipital	-0.11	Anhedonia
Beta Asymmetry	Frontal	-0.12	Anxiety
Arousal Level	-	-	Normal
Vigilance Level	-	06.00	Normal
Vigilance Mean	-	05.86	Normal
Vigilance Regulation	-	-0.21	Normal
Vigilance 0 Stage (%)	-	93.15	High
Vigilance A1 Stage (%)	-	00.00	-

EEG Spectra

EO1

Delta



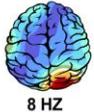
1.5 HZ

Theta



4.5 HZ

Alpha



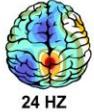
8 HZ

Beta

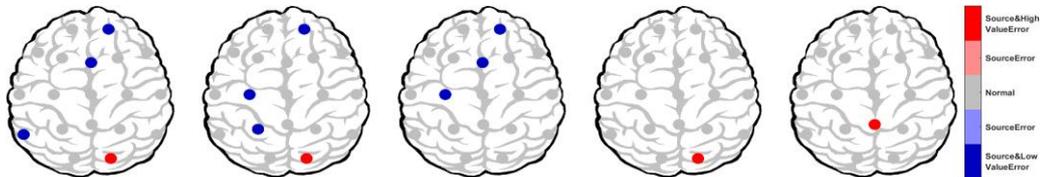
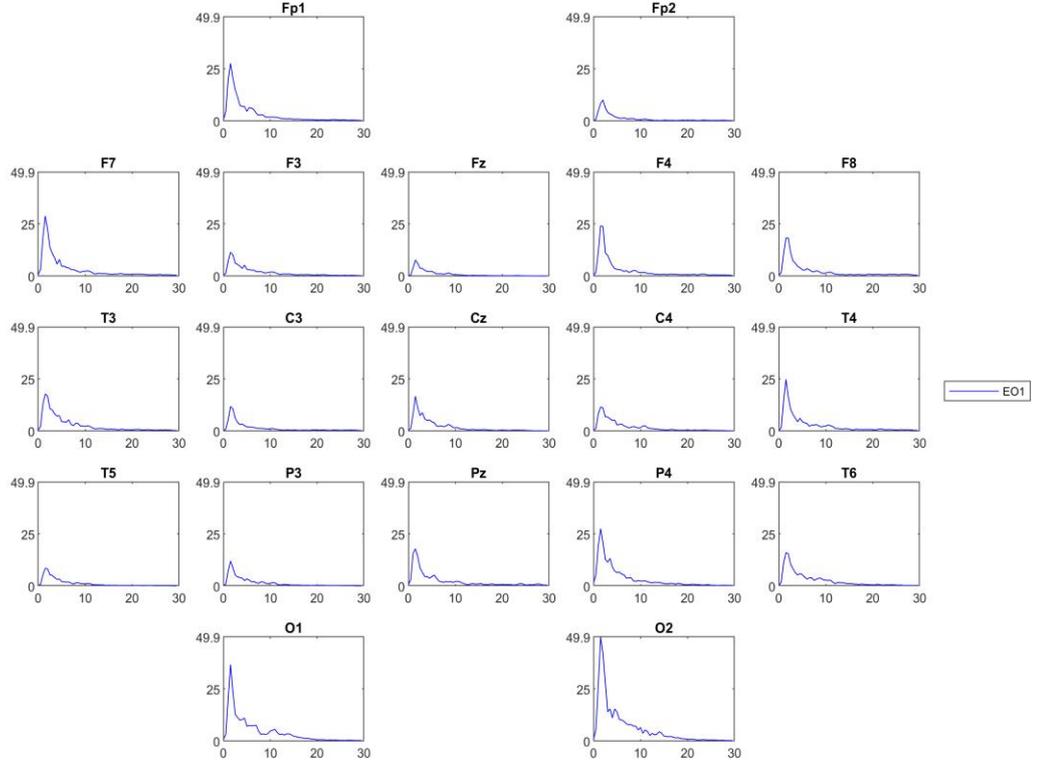


14 HZ

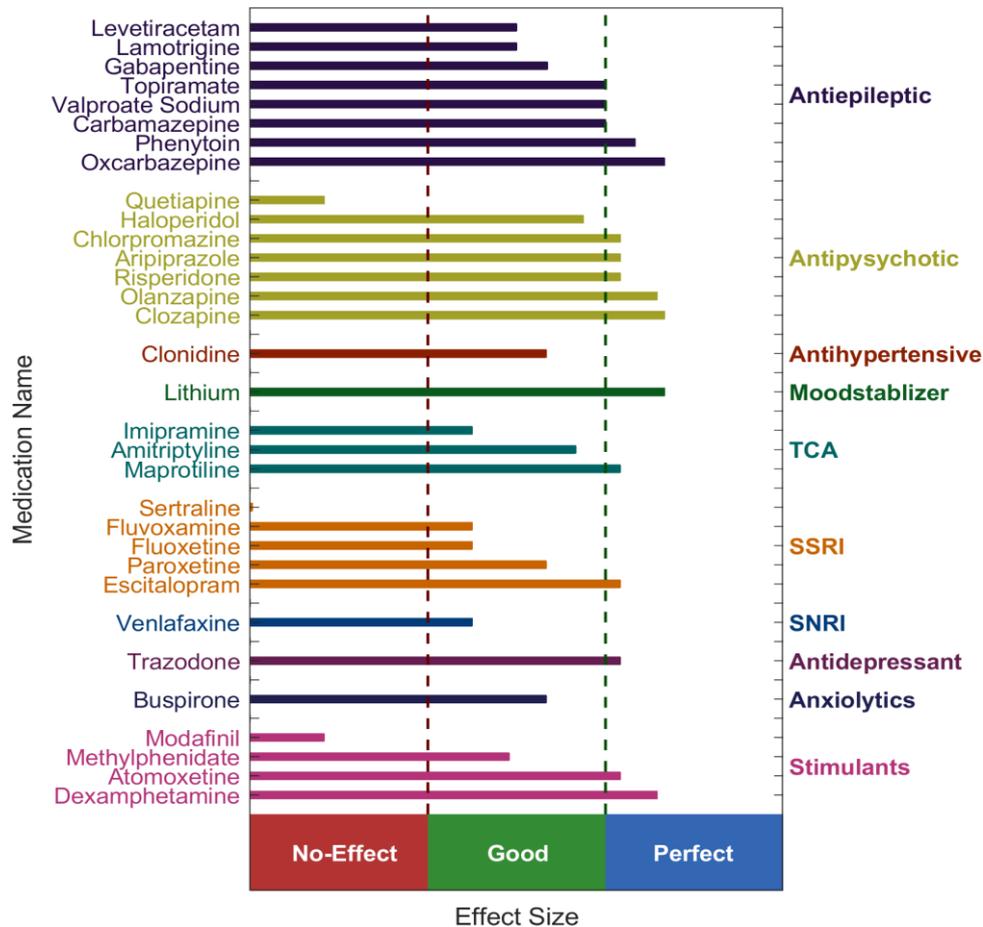
HBeta



24 HZ



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.

Report

گزارش:

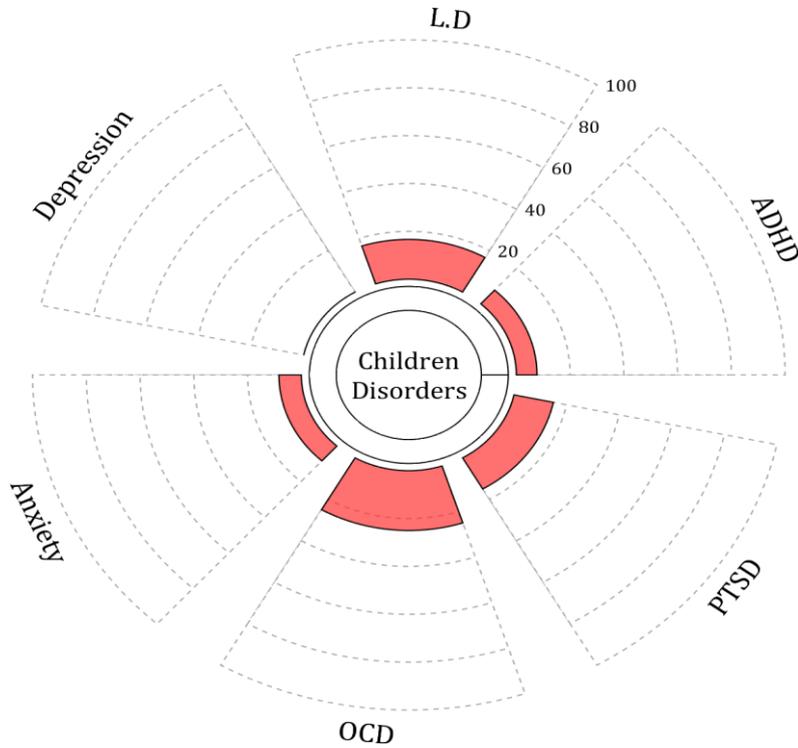
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نتایج تشخیصی:

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Pathological Assessment

Main Diagnosis: Children Disorder



ADHD Subtypes

1. Prone to moody behavior and temper tantrums. May respond to stimulants, consider anticonvulsants or clonidine, avoid SSRI.

Description

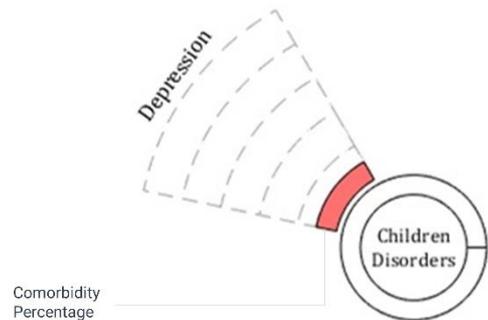
According to the guidelines, psychiatric disorders in children (under 17 years) include *ADHD, learning disorder (LD), PTSD, OCD, depression, and anxiety*.

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

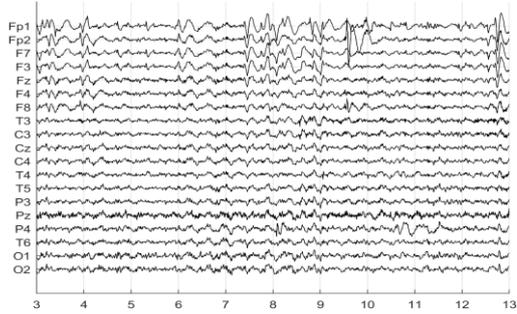
User Manual



Denosing Information

■ Eye Open

Raw EEG



Rejected Channel



Total Recording Time Remaining:

73.72 sec

Number of Eye and Muscle Elements

Eye: 6

Muscle: 0

Low Artifact Percentage



High Artifact Percentage

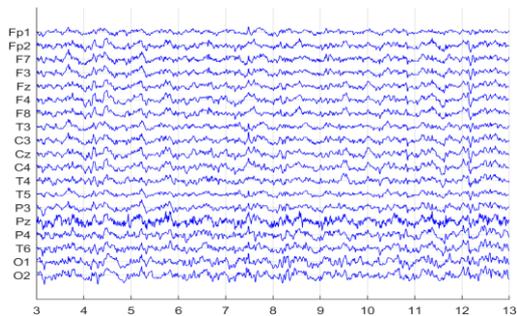


Total Artifact Percentage



EEG Quality: good

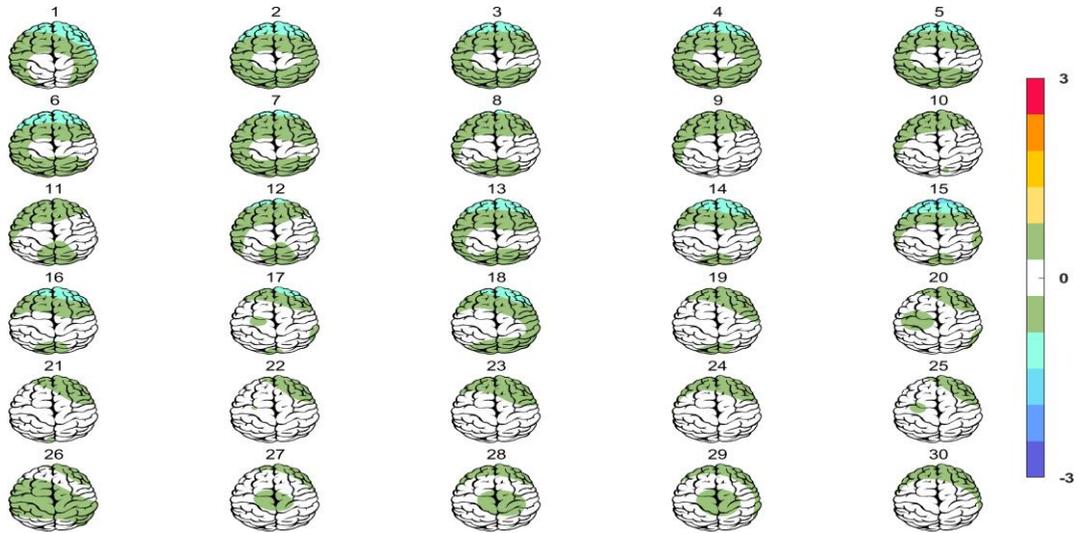
Denosed EEG



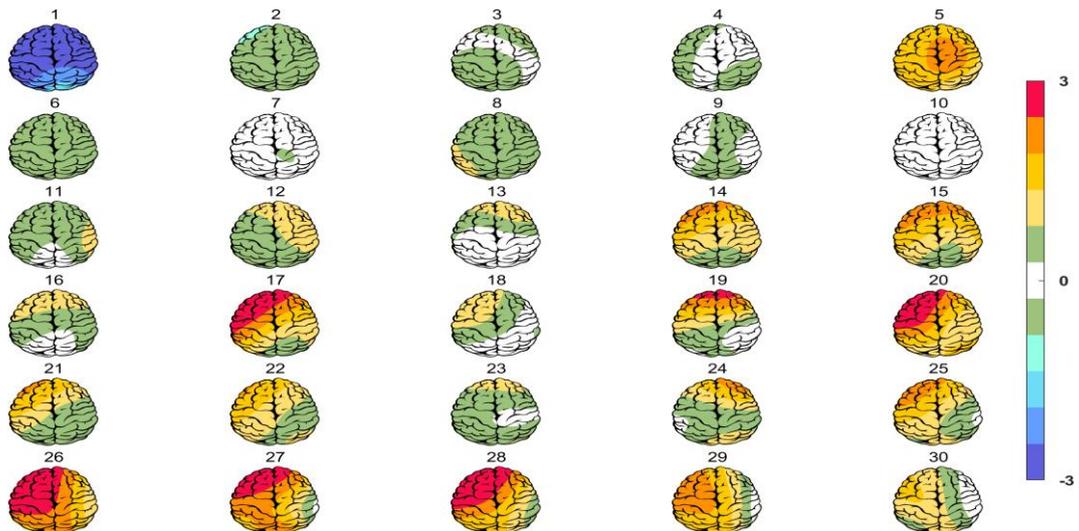
Flat Channel



Absolute Power-Eye Open



Relative Power-Eye Open



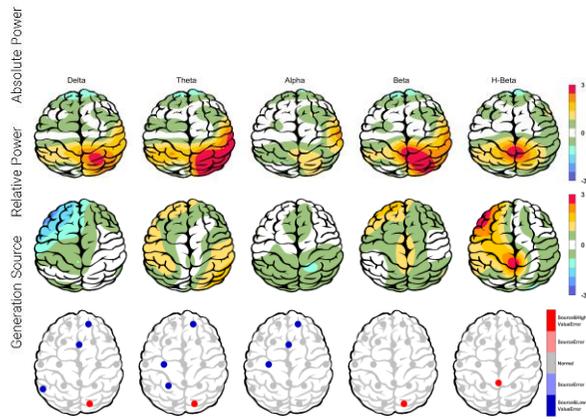
EEG Quality

EO



Z-score Information

EO



EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
AFP - EO	Frontal	10.33	High
AFP - EO	Occipital	10.62	High
Arousal Level - EO	-	-	Normal

Pathological Assessment

