



QEEG Clinical Report

BrainLens V0.4

Report Description



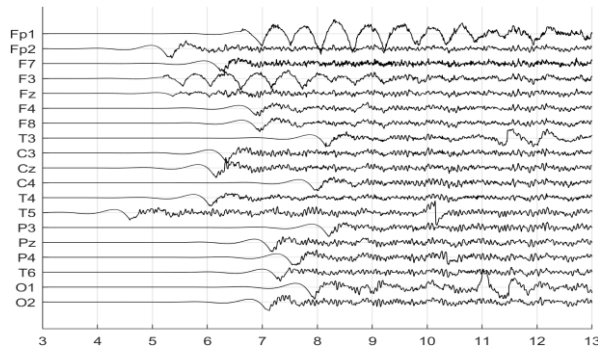
Personal & Clinical Data

Name	Seyyedsalam Amini	Date of Recording	10-May-2024
Date of Birth - Age	14-Mar-1948 - 75.71	Gender	Male
Handedness(R/L)	Right	Source of Referral	Asayesh Psychiatric Clinic -
Initial Diagnosis	Dementia-Depression-Insomnia		
Current Medication	Asentra-Haloperidol-Nortriptyline		

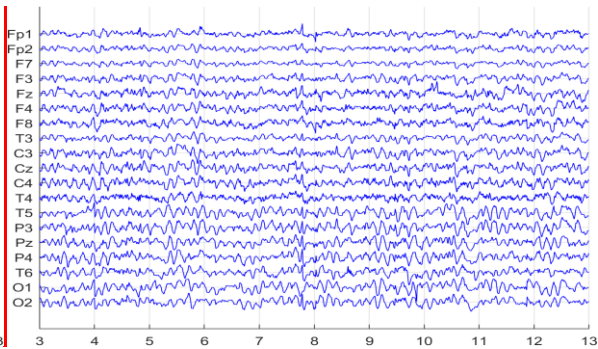
Asayesh Psychiatric Clinic -
Dr Torabi

Denoising Information

Raw EEG



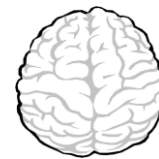
Denoised EEG



Flat Channels

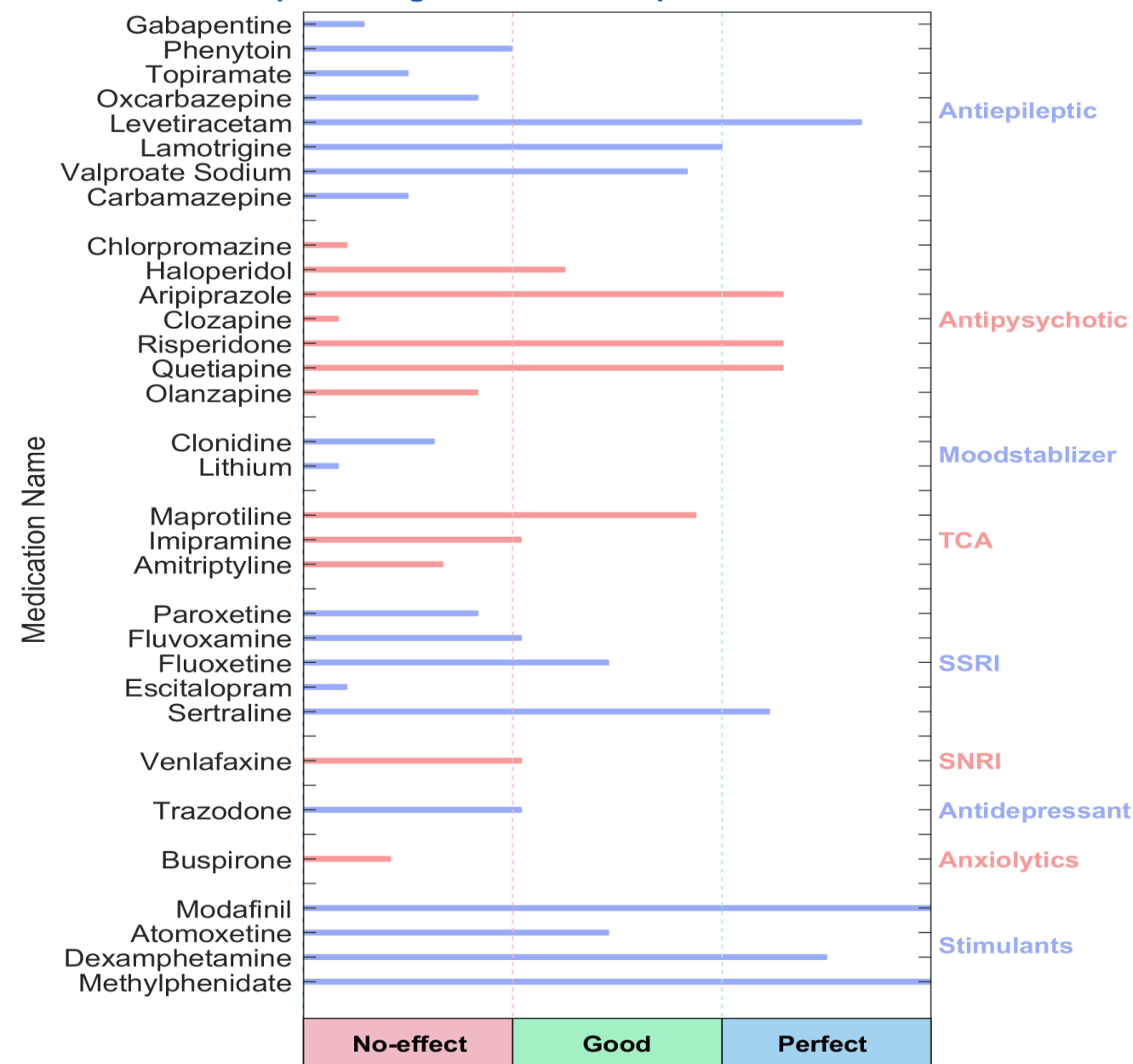


Rejected Channels



Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	2		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	
				214.60 sec	

QEEG based predicting medication response



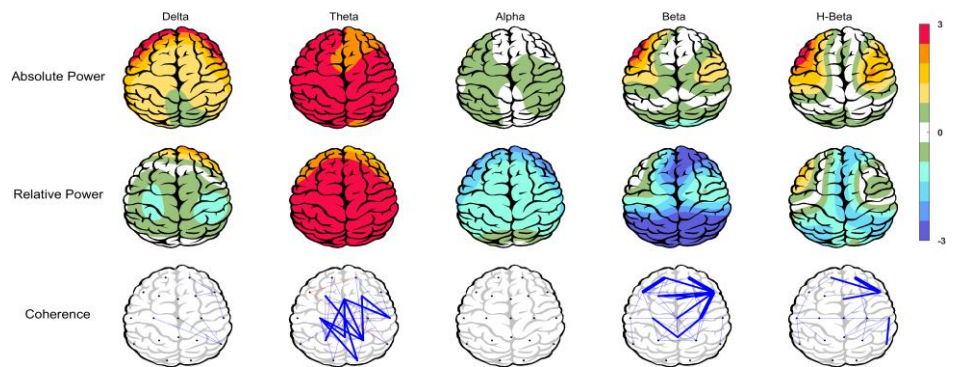
Explanation

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 .

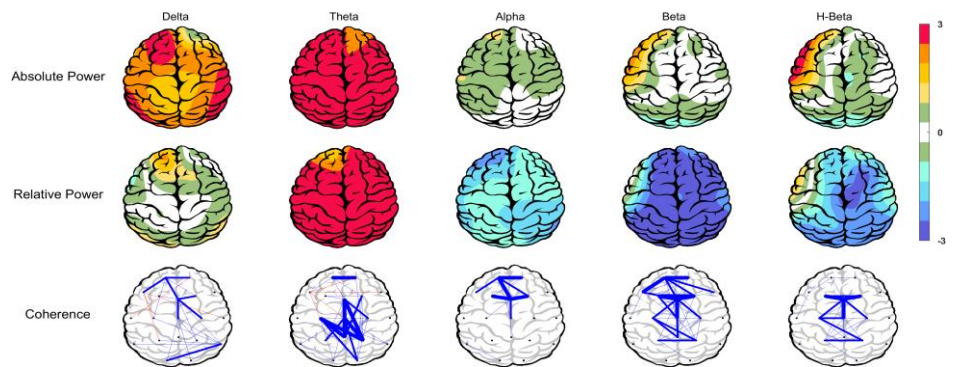
Medication Recommendation

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.

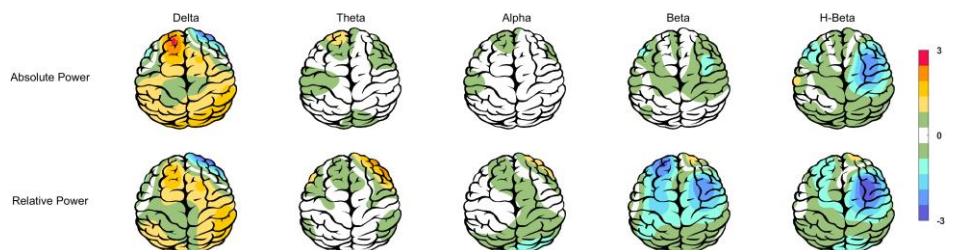
First Topographic Map



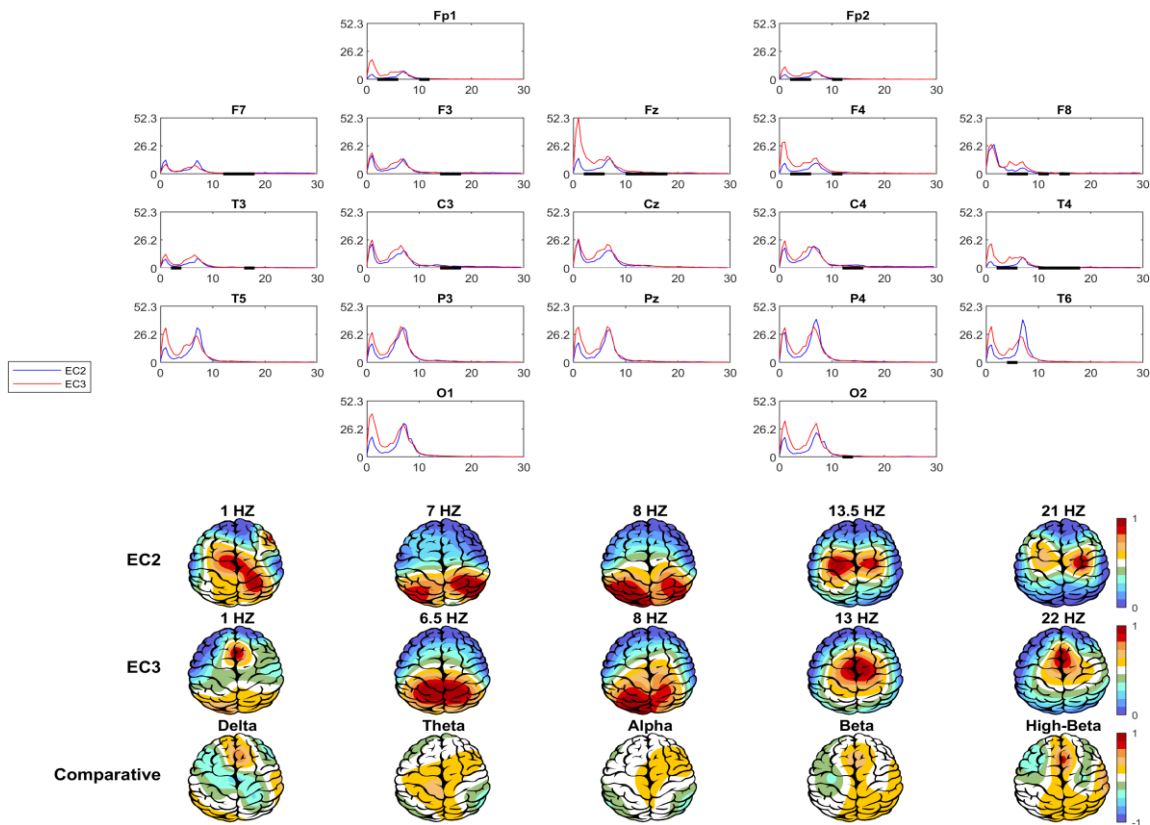
Second Topographic Map



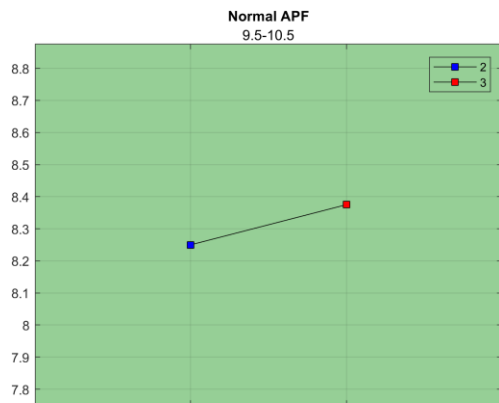
Comparsion Topographic Map



Power Spectrum



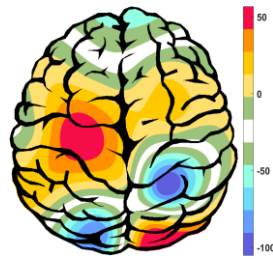
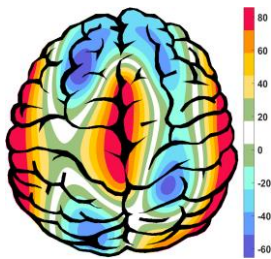
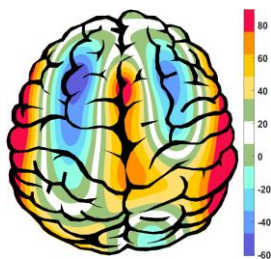
APF



Theta Cordance-Pre

Theta Cordance-Post

Theta Cordance Comparative



 Report

گزارش:

- 1- ارزیابی تحت تاثیر مصرف دارو قرار دارد.
- 2- Hyper-coherence مشاهده میشود.
- 3- در مقیاس Z-score، افزایش توان مطلق در فرکانس دلتا مشاهده میشود.
- 4- افزایش IAF مشاهده میشود.
- 5- IAF پایین مشاهده میشود.
- 6- اختلال عملکرد در نواحی Sensory-motor و Medial dorsal pre-frontal مشاهده میشود.
- 7- مارکرهای اختلال در کارکردهای شناختی مشاهده میشود. توصیه میشود علائم بالینی و شناختی دمانس مورد بررسی بیشتر قرار گیرد.
- 8- مارکرهای اختلال در کارکردهای اجرایی مشاهده میشود.
- 9- مارکرهای خلق پایین مشاهده میشود.

نتایج تشخیصی:

- 1- اختلال در کارکردهای شناختی و اجرایی، خلق پایین
- 2- توصیه میشود علائم بالینی و شناختی دمانس مورد بررسی بیشتر قرار گیرد.