



QEEG Clinical Report

BrainLens V0.4

Report Description

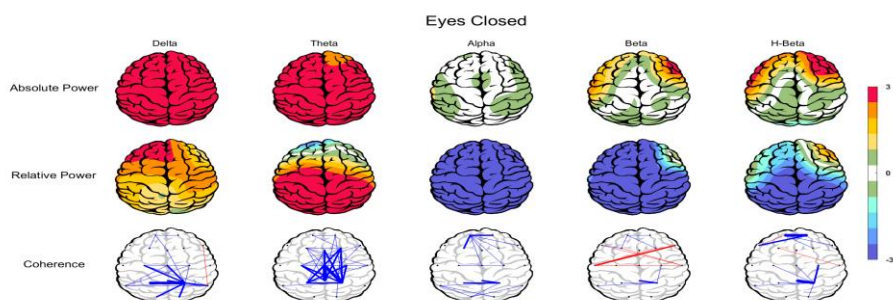
Text

Personal & Clinical Data

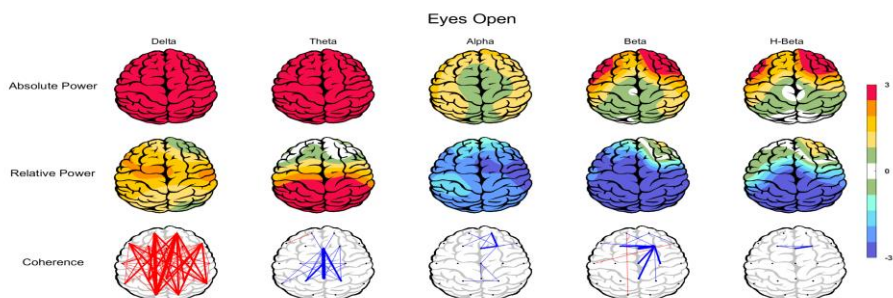
Name	Shamsi Ghaffari	Date of Recording	06-Feb-2024
Date of Birth - Age	02-Sep-1947 - 76.43	Gender	Female
Handedness(R/L)	Right	Source of Referral	Dr Torabi
Initial Diagnosis	DM-HTN-Dementia		
Current Medication	Citicoline		

Dr Torabi

Z Score Summary Information (EC)



Z Score Summary Information (EO)



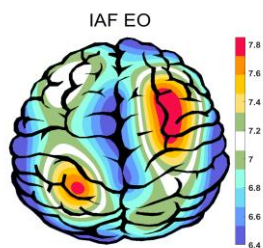
E.C.T/B Ratio (Raw- Z Score)



E.O.T/B Ratio (Raw- Z Score)

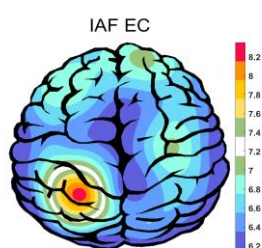


IAF(EO)



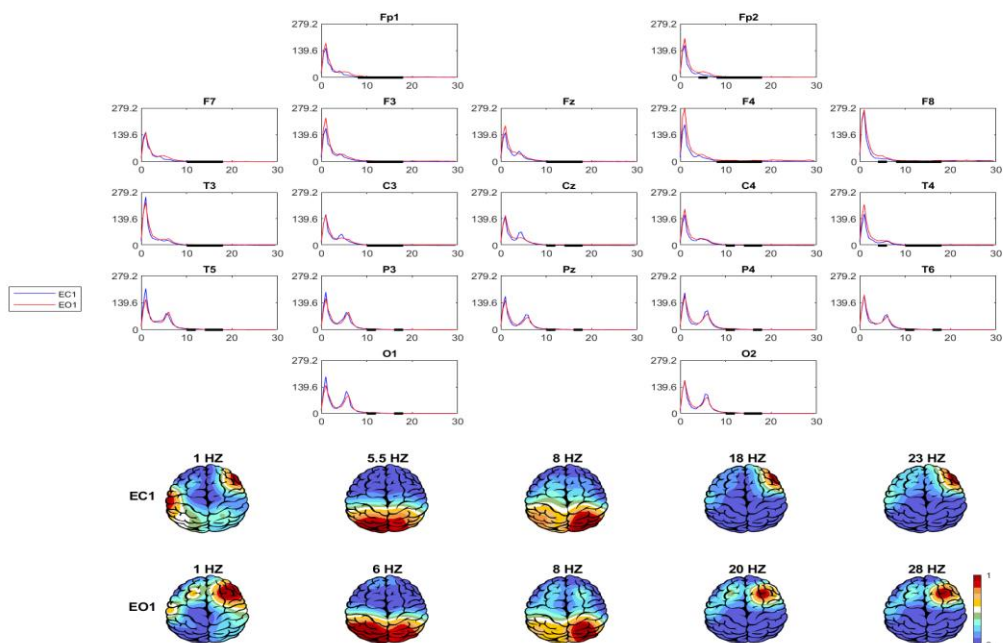
Eye Open IAF= 06.50

IAF(EC)

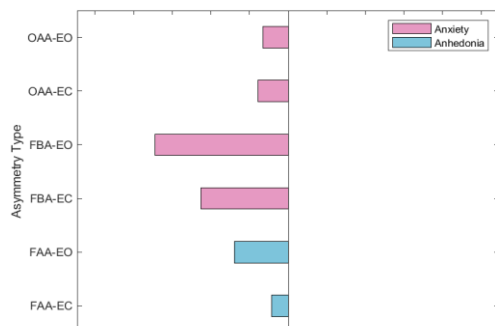


Eye Close IAF= 06.25

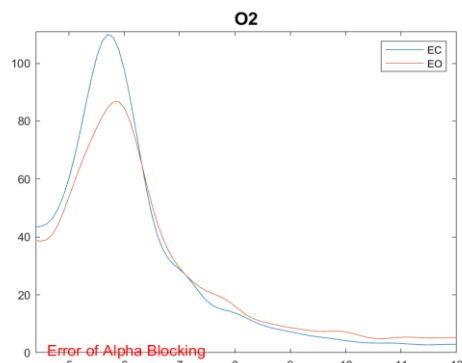
EEG Spectra



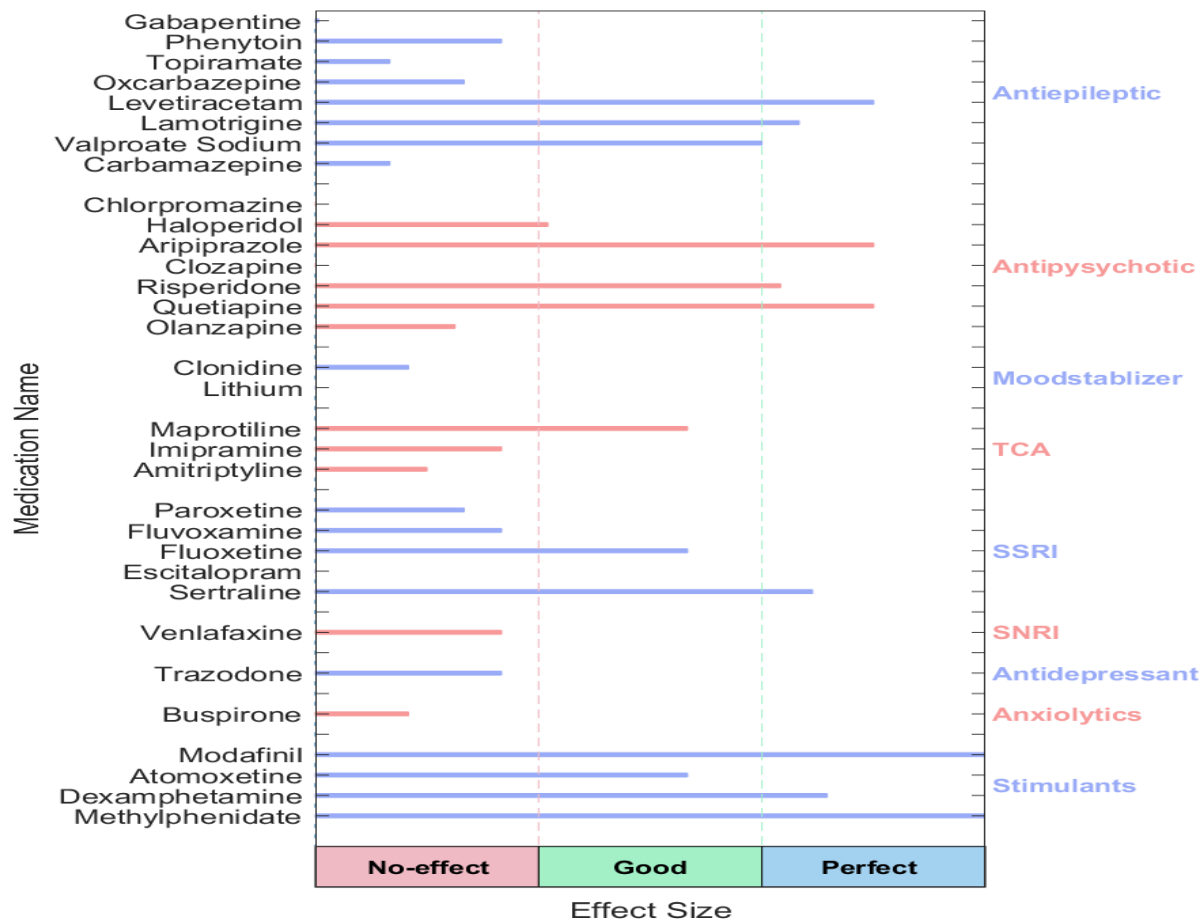
Alpha Asymmetry(AA)



Alpha Blocking



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.

QEEG based predicting rTMS response



Report

گزارش:

- 1- Hyper-coherence و Hypo-coherence مشاهده میشود.
- 2- نسبت بالای تتا به بتا مشاهده میشود.
- 3- IAF پایین مشاهده میشود.
- 4- اختلال عملکرد در ناحیه Right DLPFC مشاهده میشود.
- 5- توصیه میشود بررسی های بیشتر با استفاده از MRI بعمل آید.
- 6- اختلال در آلفا بلاکینگ 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.

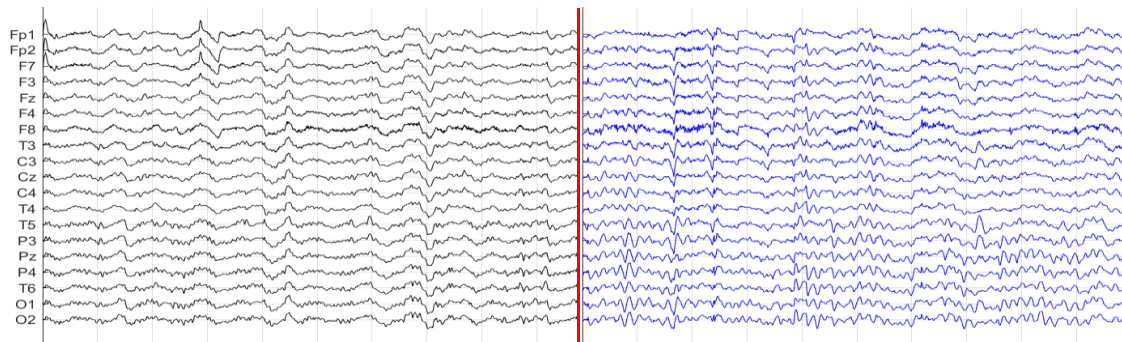
نتایج تشخیصی:

- 1- اختلال در کارکردهای شناختی و اجرایی توام با انگیزتگی پایین
- 2- توصیه میشود علائم بالینی و شناختی دمانس مورد بررسی بیشتر قرار گیرد.
- 3- توصیه میشود بررسی های بیشتر با استفاده از MRI بعمل آید.

Denoising Information (EC)

Raw EEG

Denoised EEG



Flat Channels

Rejected Channels

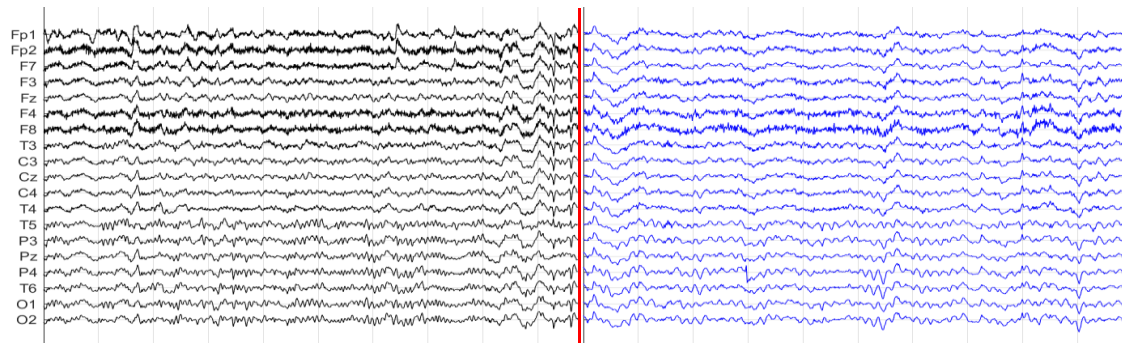


Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	242.19 sec

Denoising Information (EO)

Raw EEG

Denoised EEG



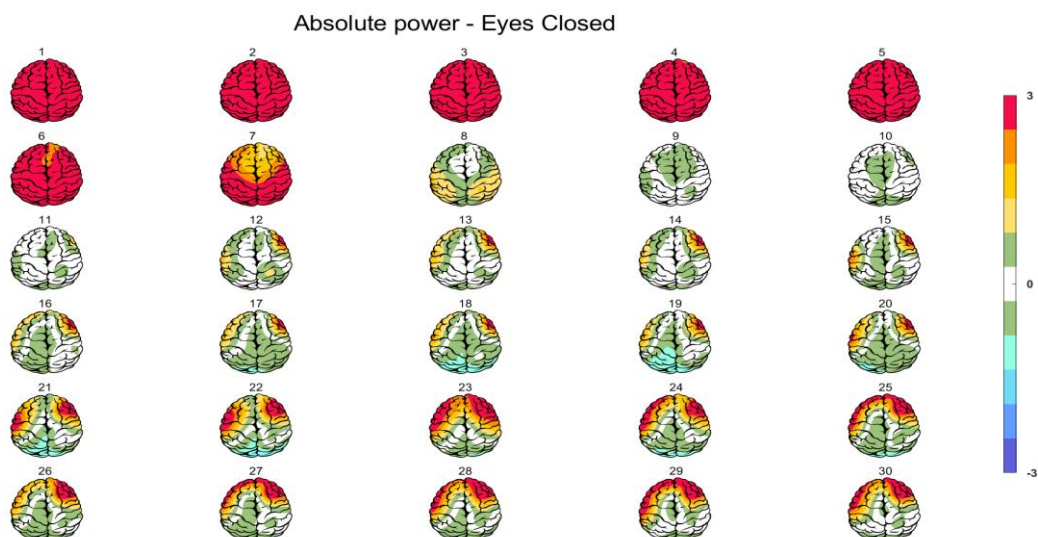
Flat Channels

Rejected Channels

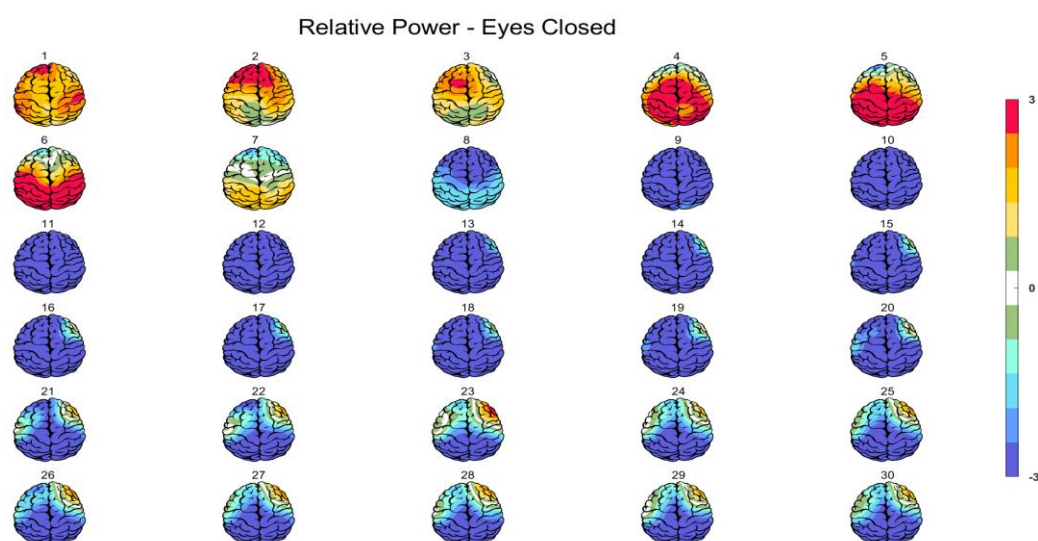


Number of Eye and Muscle Elements				Low Artifact Percentage	
Eye	3	Muscle	0		
Total Artifact Percentage				High Artifact Percentage	
EEG Quality		good		Total Recording Time Remaining	257.09 sec

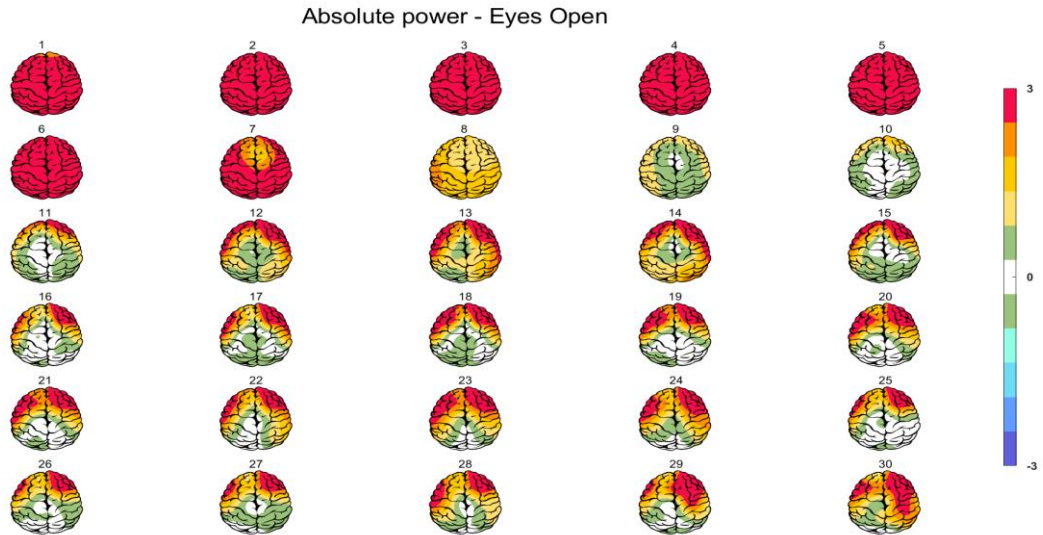
Absolute Power-Eye Closed (EC)



Relative Power-Eye Closed (EC)



Absolute Power-Eye Open (EO)



Relative Power-Eye Open (EO)

