

QEEG Clinical Report

EEGLens



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

Personal Data:

Name: Test Test
Gender: Female
Age: 1975-03-26 - 50.9
Handedness: Right

Clinical Data:

Initial diagnosis: Adult ADHD
Medication: -
Date of Recording: 2025-12-22
Source of Referral: Dr Test

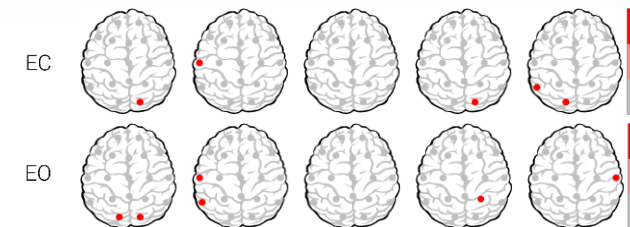
This case belongs to Dr Test

Protocols

BMD

Condition	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
Bipolar Depression	Left DLPFC (F3 location)	10 Hz rTMS @ 120% rMT 1,500–3,000 pulses/session	Level B Efficacious (adjunctive)
Bipolar Mania	Right DLPFC (F4)	1 Hz rTMS @ 100–120% rMT ~1,000 pulses per session	Level C Case Reports (off-label)
Bilateral Sequential	Right DLPFC 1 Hz + Left DLPFC 10 Hz (same session)	1 Hz @120% rMT then 10 Hz @120% rMT (sequential application) ~1,500 + 2,000 pulses/session	Level B Evidence Supported
Accelerated iTBS (BD)	Left DLPFC (neuronavigated)	iTBS @ 120% rMT (3x50 Hz bursts at 5 Hz) 600 pulses/session	Level B Experimental (pilot RCTs)
Deep TMS (H1-coil)	Left PFC (prefrontal cortex)	18 Hz deep rTMS @ 120% rMT (H1-coil) ~1,980 pulses per session	Level C CE Approved (EU), off-label elsewhere

Generation Source Topomaps



EEG Neuromarker Values

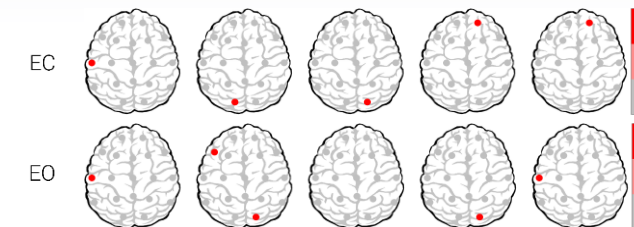
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	11.25	High
APF - EO	Frontal	10.33	High
APF - EC	Occipital	11.62	High
APF - EO	Occipital	10.62	Normal

Protocols

ADHD

Condition (Adult ADHD)	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
ADHD – Left DLPFC	Left DLPFC (F3)	10 Hz rTMS @ 110% rMT ~2,000 pulses per session	Level B Evidence Supported (off-label)
ADHD – Right DLPFC (Deep TMS)	Right DLPFC (H6-coil deep targeting)	18 Hz deep rTMS @ 100–120% rMT (H-coil) ~1,800 pulses per session	Level B Evidence Supported (off-label)
ADHD – Medial PFC	Dorsomedial PFC (midline targeting ACC)	10 Hz rTMS @ 100% rMT ~1,500 pulses per session	Level C Exploratory Research
ADHD – Theta Burst	Left DLPFC (F3)	iTBS @ 120% rMT (intermittent bursts) 600 pulses per session	Level B Preliminary Evidence
ADHD – Executive Network	Right inferior frontal gyrus (IFG) or pre-SMA	10 Hz rTMS @ 100% rMT (or iTBS @ 120% rMT) ~1,500 pulses/session (HF) or 600 (TBS)	Level C Experimental

Generation Source Topomaps



EEG Neuromarker Values

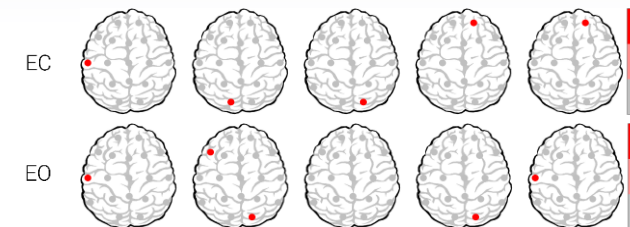
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	10.00	Normal
APF - EO	Frontal	10.33	High
APF - EC	Occipital	10.00	Normal
APF - EO	Occipital	11.00	High

Protocols

BPD

Condition (BPD)	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
BPD – Depression/Impulsivity	Left DLPFC (F3)	10 Hz rTMS @ 110–120% rMT ~1,500–2,000 pulses/session	Level C Experimental (case series)
BPD – Dorsomedial PFC	DMPFC (medial prefrontal, near Cz)	10 Hz rTMS @ 100%–120% rMT ~1,500 pulses per session	Level C Experimental (theoretical support)
BPD – Low-Frequency	DMPFC (midline)	1 Hz rTMS @ 120% rMT ~1,200 pulses per session	Level C Experimental
Accelerated/Theta Burst	Left DLPFC (or personalized target)	iTBS accelerated (e.g. 3 min sessions, multiple per day) 5–10 sessions/day (varied)	Level C Experimental (pilot)

Generation Source Topomaps



EEG Neuromarker Values

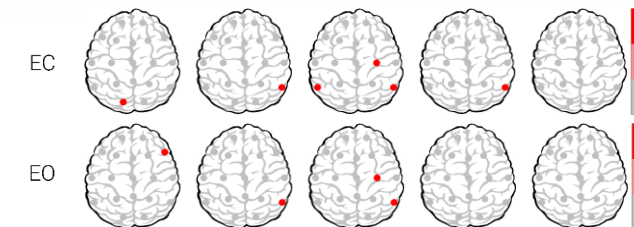
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	10.00	Normal
APF - EO	Frontal	10.33	High
APF - EC	Occipital	10.00	Normal
APF - EO	Occipital	11.00	High

Protocols

Depression

Condition	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
Major Depression (Standard)	Left DLPFC (F3 area, ~5–6 cm anterior to motor cortex)	10 Hz rTMS @ 120% rMT ~3,000 pulses per session	Level A FDA/CE Approved
Anxious Depression Variant	Right DLPFC (F4)	1 Hz rTMS @ 120% rMT ~1,500 pulses per session	Level B CE Approved (EU)
Bilateral Sequential Protocol	Right DLPFC + Left DLPFC	1 Hz (Right) then 10 Hz (Left) @ 120% rMT (sequential) 1,500 (Right) + 3,000 (Left) pulses/session	Level B – Evidence Supported
iTBS Protocol (Standard)	Left DLPFC (F3)	iTBS (3-pulse 50 Hz bursts at 5 Hz) @ 120% rMT 600 pulses per session	Level A FDA/CE Approved
SAINT Accelerated iTBS	Left DLPFC (personalized F3 via MRI navigation)	iTBS , 50 Hz bursts @ 5 Hz, 120% rMT ~1,800 pulses per session	Level A FDA Approved (investigational use)
Deep TMS (H1-coil)	Left PFC (lateral prefrontal + deeper cortical targets)	18 Hz Deep rTMS @ 120% rMT (H-coil) ~1,980 pulses per session	Level A – FDA/CE Approved
DMPFC/ACC High-Frequency	Dorsomedial PFC (along midline, anterior cingulate region)	10–20 Hz rTMS @ 100%–120% rMT ~2,000 pulses per session	Level B/C Experimental (off-label)

Generation Source Topomaps



EEG Neuromarker Values

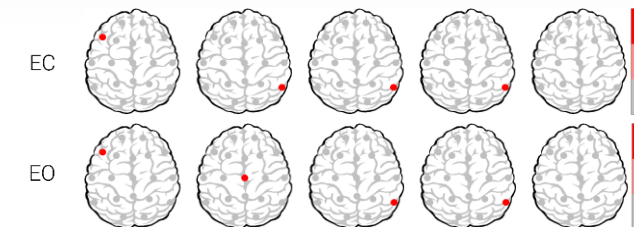
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	08.83	Low
APF - EO	Frontal	08.92	Low
APF - EC	Occipital	08.50	Low
APF - EO	Occipital	08.50	Low

Protocols

Drug Abuse TMS

Condition	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
SUD (Generic craving reduction)	Left DLPFC	10–15 Hz rTMS @ 100–120% rMT 1,500–3,000 pulses/session	Level B Evidence Supported (off-label)
Smoking Addiction (Deep TMS)	Bilateral PFC + Insula (H4-coil deep targeting)	18 Hz deep rTMS @ 120% rMT 1,980 pulses per session	Level A FDA Approved (Smoking)
Alcohol Use Disorder	Left (or Right) DLPFC	10 Hz rTMS @ 100%–120% rMT ~1,000–2,000 pulses/session	Level B Evidence Supported (off-label)
Bilateral HF-rTMS (Experimental)	Left DLPFC + Right DLPFC (sequential)	20 Hz rTMS @ 90%–100% rMT ~2,400 pulses per session	Level C Ongoing Clinical Trial (off-label)
Medial PFC Theta Burst	Medial Prefrontal Cortex (frontal midline)	iTBS @ 100% rMT (intermittent theta burst stimulation) 600 pulses per session	Level C Experimental (early trials)

Generation Source Topomaps



EEG Neuromarker Values

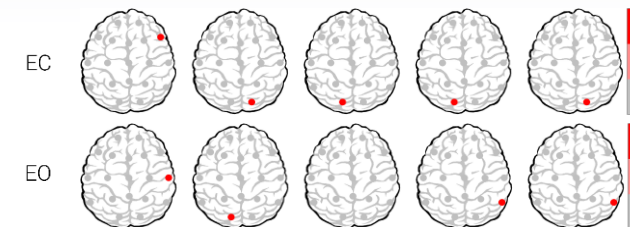
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	11.00	High
APF - EO	Frontal	11.17	High
APF - EC	Occipital	11.00	High
APF - EO	Occipital	11.25	High

Protocols

OCD

Condition`	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
OCD (Deep DMPFC)	Dorsomedial PFC (midline, ~25% nasion-inion)	20 Hz Deep rTMS @ ~100% of leg motor MT (D-B80/H7 coil) 2,000 pulses per session	Level A FDA/CE Approved (adjunct)
OCD (Pre-SMA)	Bilateral pre-supplementary motor area (pre-SMA, ~15% anterior to Cz)	1 Hz rTMS @ 110-120% rMT ~1,500 pulses per session	Level C Experimental (evidence supported)
OCD (Orbitofrontal)	Right Orbitofrontal Cortex (OFC, frontopolar Fp2 region)	ctBS (continuous theta burst, inhibitory pattern) @ 80%-100% rMT 600 pulses per session	Level C Off-label experimental
OCD (SMA – accelerated)	Supplementary Motor Area (SMA proper, midline)	ctBS (robotic neuronavigated) @ 80% rMT 1,800 pulses per day	Level C Experimental (pilot trials)
OCD (Deep bilateral)	mPFC + anterior cingulate (dual Cone coil targeting both hemispheres)	20 Hz deep TMS @ 100%-120% rMT (H7 coil) ~2,000 pulses per session	Level B Evidence Supported (off-label intensification)

Generation Source Topomaps



EEG Neuromarker Values

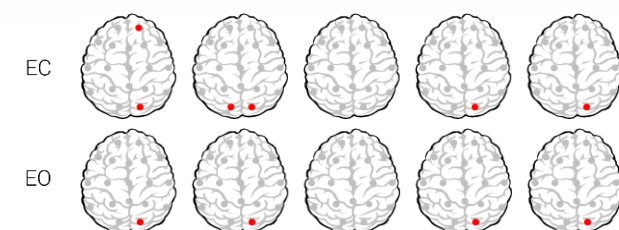
Neuromarker	Region	Value	Assessment
APF - EC	Frontal	10.00	Normal
APF – EO	Frontal	09.92	Normal
APF – EC	Occipital	09.88	Normal
APF - EO	Occipital	09.62	Normal

Protocols

Anxiety

Condition	Target Brain Region	Stimulation Parameters	Evidence Level / Approval
Generalized Anxiety / Panic	Right DLPFC (right frontal pole F4/FP2)	1 Hz rTMS @ 110–120% rMT ~1,200–1,500 pulses/session	Level B Emerging Evidence
Anxiety (alternative)	Left DLPFC (F3)	10 Hz rTMS @ 100–120% rMT 1,200–2,000 pulses/session	Level C Experimental
Bilateral DLPFC (GAD)	Right DLPFC then left DLPFC (sequential days or sessions)	1 Hz rTMS @ 120% rMT to each side (alternating) ~1,000 pulses per side/session	Level C Experimental
Accelerated (cTBS)	Right DLPFC (localized via fMRI if possible)	cTBS @ 100% rMT (inhibitory theta-burst pattern) 600 pulses per session	Level C Off-label experimental
Intermittent TBS (iTBS)	Right DLPFC	iTBS @ 120% rMT (3 bursts @50 Hz, 5 Hz trains) 600 pulses per session	Level C Experimental

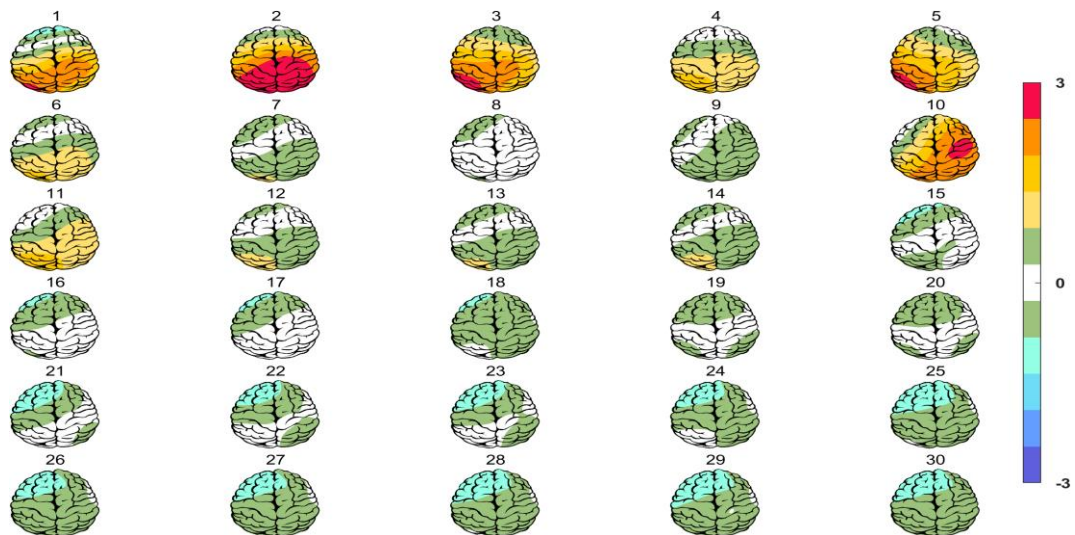
Generation Source Topomaps



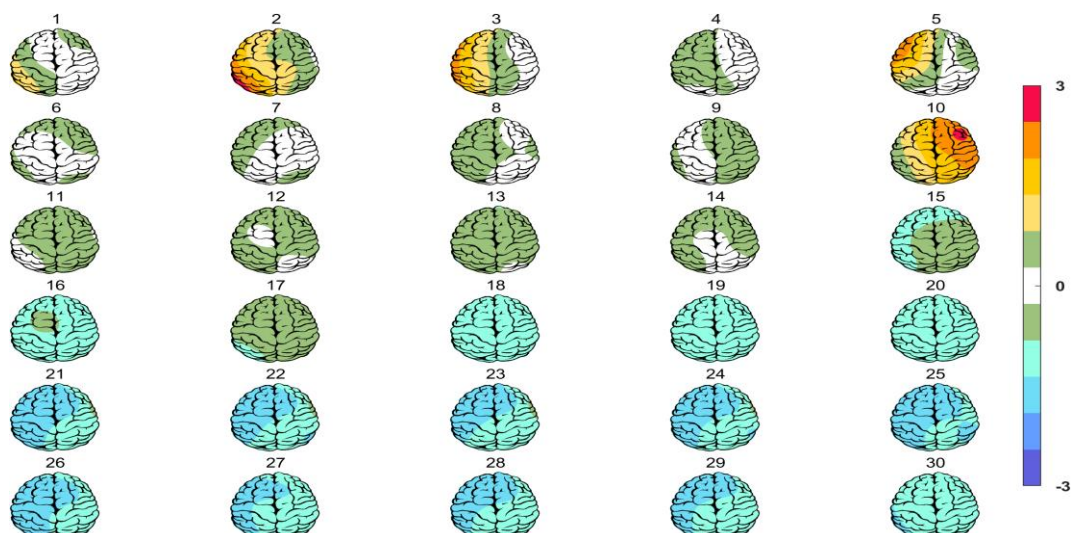
EEG Neuromarker Values

Neuromarker	Region	Value	Assessment
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APF - EO	Frontal	10.92	High
APF - EC	Occipital	10.75	Normal
APF - EO	Occipital	11.50	High

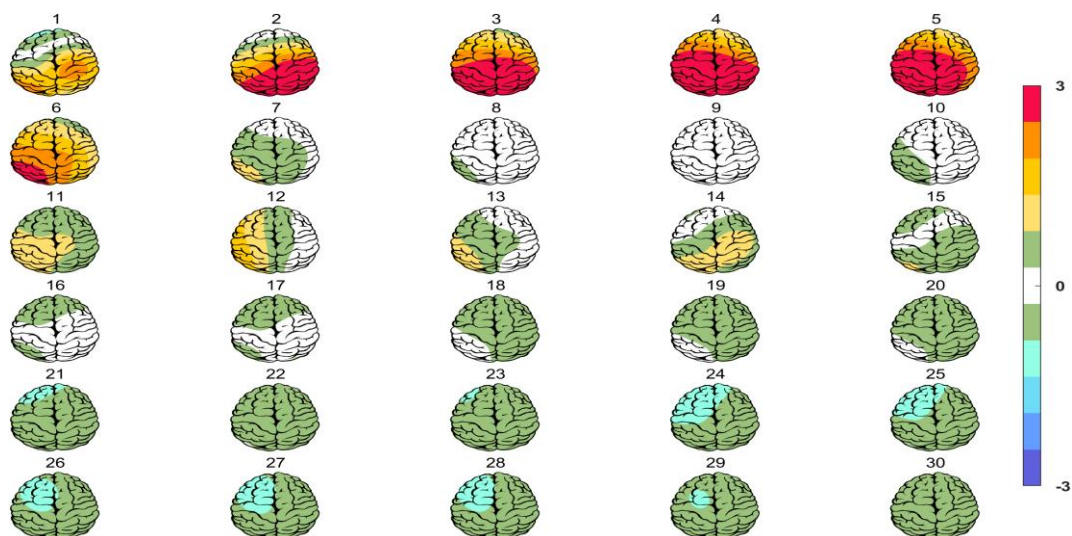
Absolute Power-Eye Close



Relative Power-Eye Close



Absolute Power-Eye Open



Relative Power-Eye Open

