INDIVIDUAL CASE REPORT | n = 1

Tracking change over six months

Rigidity-type Parkinson's disease | Individual case report

A longitudinal case connecting everyday function with repeated EEG observations during transcranial photobiomodulation (tPBM).

59-year-old man	6-month observation	APF: 8.2 to 9.5 Hz

REPORTED EXPERIENCE

The case author reported improvements in brain fog, gait and fine motor control during the observation period. Alpha peak frequency (APF) increased from 8.2 to 9.5 Hz. These are observations in one person, not proof that PBM caused the changes.

THE OBSERVED COURSE

The reported approach included global SMR stimulation, alpha-frequency targeting, 18 Hz stimulation during motor training and global 40 Hz stimulation. Levodopa continued throughout; EEG recordings were reportedly obtained four hours after dosing.

WHAT THE EEG ADDED

The source describes a return toward baseline during a treatment interruption and renewed APF increases after resumption. High frontal alpha and globalized alpha remained at follow-up.

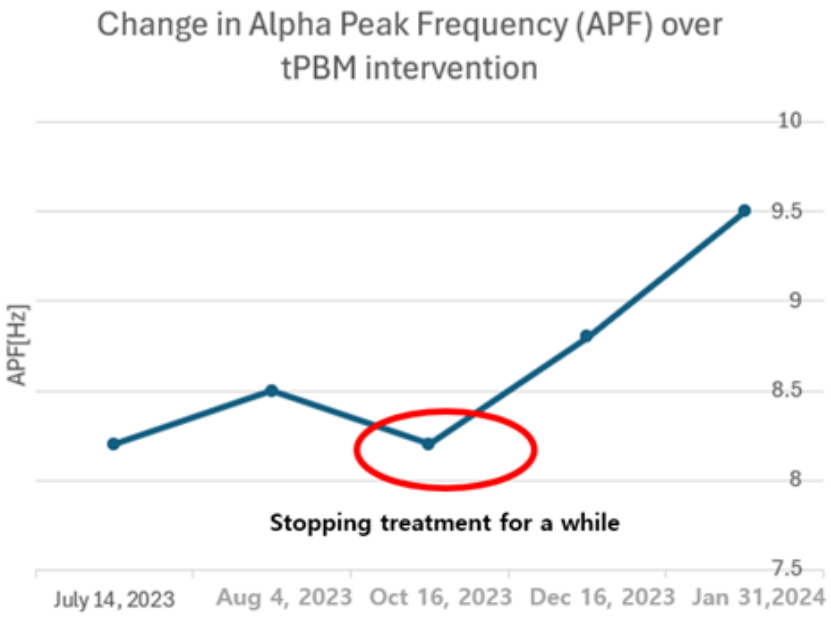
HOW TO READ THIS CASE

No standardized motor score or exact completed session count is reported in the reviewed text. Medication and motor training are concurrent factors. This case cannot establish typical results or a disease-treatment effect.

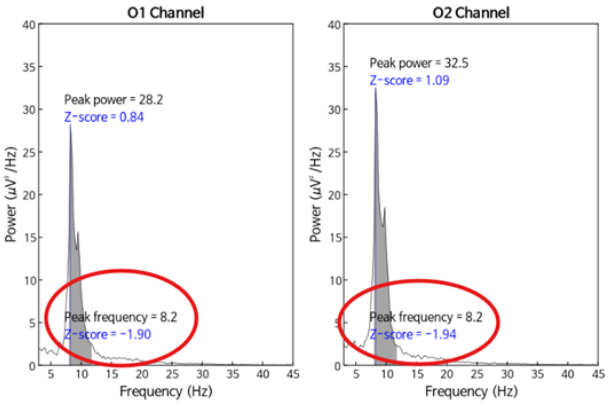
Regulatory context: The PBM functionality discussed here is not FDA-cleared. These observations do not establish a treatment indication for the condition described. This material is not a treatment recommendation.

The source evidence

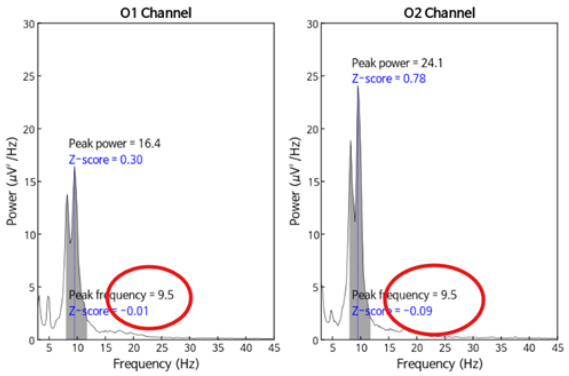
Original case figures - reproduced without changing the underlying data



Longitudinal APF: the original figure includes five dated observations and a treatment interruption.



Baseline spectra: the source marks an 8.2 Hz alpha peak.



Follow-up spectra: the source marks a 9.5 Hz alpha peak.

SOURCE & CONTEXT

Adapted from IQPA Community Case Series, CASE-2025-CBSGRJ. Reviewed November 6, 2026. Figures and observations are from the original case report; no patient outcomes have been generated or estimated.

Read the original IQPA case report | Explore iMediSync