Individual Sleep Analysis Report

Subject ID: 24 | Sleep Difficulty Study

Analysis Date: August 16, 2025 | Nights Analyzed: 2 | Report Generated by: Sleep-EDF Analysis System

Subject Information

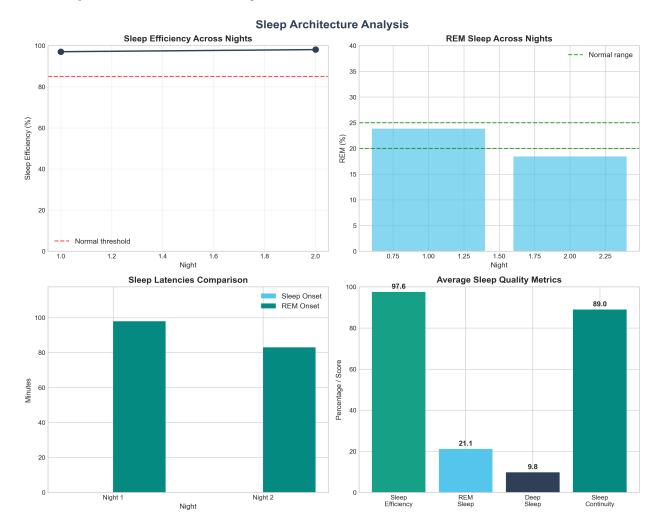
Subject ID	24	
Age	48 years	
Sex	F	
Study Type	Sleep Difficulty	
Number of Nights	2	
Recording Dates	Multiple nights	
Study Conditions	placebo, temazepam	

Executive Summary

This report presents a comprehensive analysis of 2 night polysomnographic recordings for Subject 24, a 48-year-old F participant from the Sleep Telemetry (sleep difficulty) study under placebo and temazepam conditions.

Metric	Value	Clinical Interpretation
Sleep Efficiency	97.6%	Normal (≥85%)
Sleep Latency	0.0 min	Normal (≤30min)
REM Latency	90.5 min	Normal (60-120min)
REM Sleep	21.1%	Normal (20-25%)
Wake After Sleep Onset	11.0 min	Normal (≤30min)

Sleep Architecture Analysis

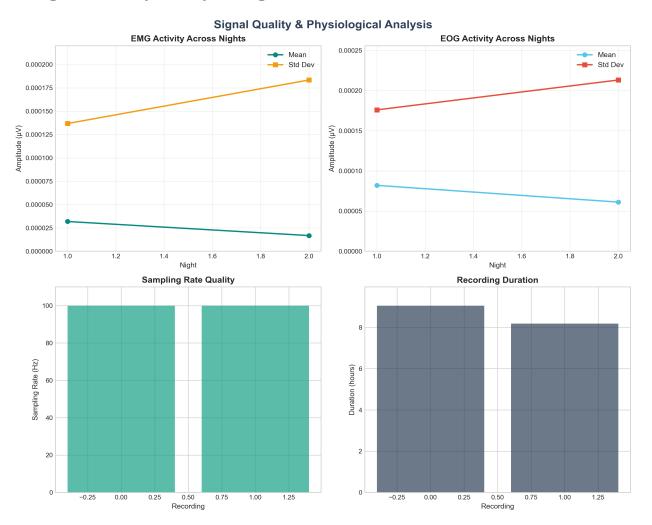


Neurophysiological Analysis - EEG Power Spectrum

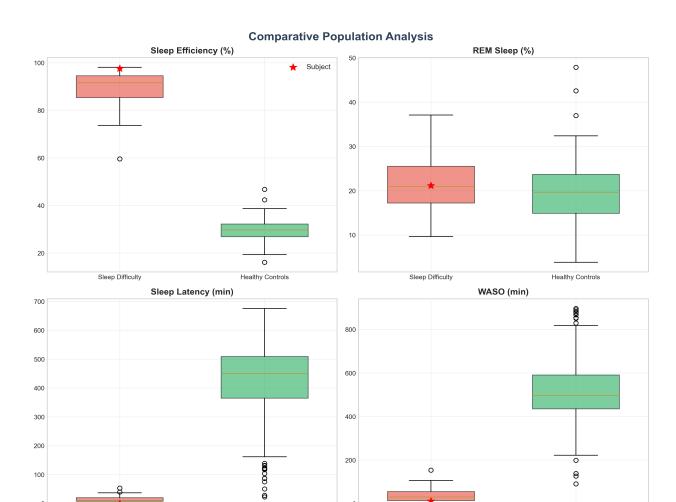
EEG Power Spectral Analysis



Signal Quality & Physiological Assessment



Population Comparative Analysis



Sleep Difficulty

Healthy Controls

Healthy Controls

Clinical Interpretation & Recommendations

Overall Sleep Health Assessment

Sleep Quality Level: GOOD

Excellent to Good sleep quality with most metrics within normal ranges. The subject's sleep architecture shows:

• Sleep Efficiency: 97.6% (Normal)

REM Sleep: 21.1% (Normal)Deep Sleep: 9.8% (Reduced)

Sleep Continuity: Good (WASO: 11.0 min)

Key Findings

- **Good Sleep Efficiency**: At 97.6%, sleep efficiency is within normal range, indicating good sleep quality.
- **Normal REM Sleep**: REM sleep comprises 21.1% of total sleep, which is within the normal range.
- **Reduced Deep Sleep**: Deep sleep stages (N3+N4) comprise 9.8% of sleep, which may indicate reduced sleep restoration.

Recommendations

Assess sleep environment and factors that may be disrupting deep sleep stages

Report Analysis and Generation:

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