Individual Sleep Analysis Report

Subject ID: 5 | Sleep Difficulty Study

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

Subject Information

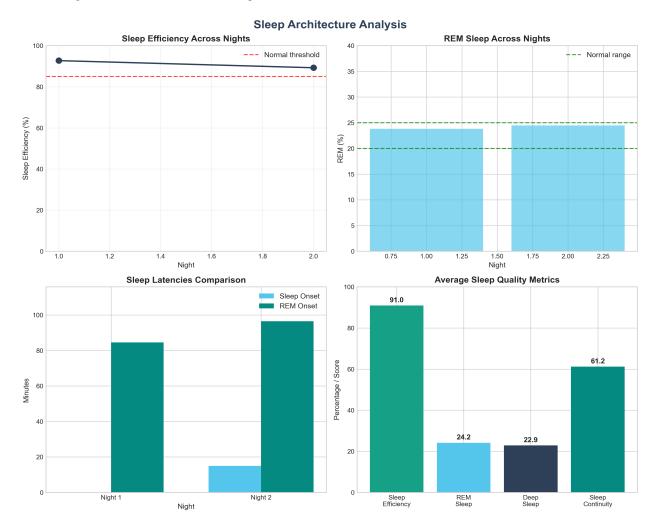
Subject ID	5	
Age	32 years	
Sex	F	
Study Type	Sleep Difficulty	
Number of Nights	2	
Recording Dates	Multiple nights	
Study Conditions	temazepam, placebo	

Executive Summary

This report presents a comprehensive analysis of 2 night polysomnographic recordings for Subject 5, a 32-year-old F participant from the Sleep Telemetry (sleep difficulty) study under temazepam and placebo conditions.

Metric	Value	Clinical Interpretation
Sleep Efficiency	91.0%	Normal (≥85%)
Sleep Latency	7.5 min	Normal (≤30min)
REM Latency	90.5 min	Normal (60-120min)
REM Sleep	24.2%	Normal (20-25%)
Wake After Sleep Onset	38.8 min	Elevated (>30min)

Sleep Architecture Analysis

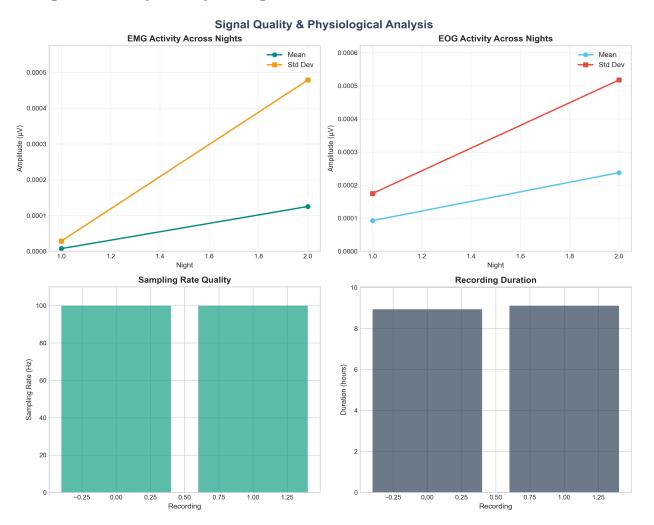


Neurophysiological Analysis - EEG Power Spectrum

EEG Power Spectral Analysis



Signal Quality & Physiological Assessment



Population Comparative Analysis

Comparative Population Analysis Sleep Efficiency (%) REM Sleep (%) ★ Subject Sleep Difficulty Healthy Controls Sleep Difficulty Healthy Controls WASO (min) Sleep Latency (min) Ö

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: 91.0% (Normal)REM Sleep: 24.2% (Normal)

• Deep Sleep: 22.9% (Adequate)

• Sleep Continuity: Fragmented (WASO: 38.8 min)

Key Findings

- **Good Sleep Efficiency**: At 91.0%, sleep efficiency is within normal range, indicating good sleep quality.
- **Normal REM Sleep**: REM sleep comprises 24.2% of total sleep, which is within the normal range.
- Adequate Deep Sleep: Deep sleep stages comprise 22.9% of sleep, indicating good restorative sleep.

Recommendations

• Investigation of factors causing sleep fragmentation may be beneficial

Report Analysis and Generation:

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Report Version: 1.0 | Generated: August 16, 2025 at 09:01 PM