COGNICARE CLINICAL PLATFORM

Lucas Chen - EEG Analysis

PATIENT INFORMATION

Name: Lucas Chen

Age: 10 years

Condition: Autism Spectrum Disorder

Therapist: Dr. Sarah Smith

Report Date: 9/10/2025

Report Time: 10:42:05 AM

EEG ANALYSIS SUMMARY

This report provides detailed analysis of Lucas Chen's neurofeedback training data collected over 3 weeks of intensive EEG-based cognitive training.

BRAINWAVE FREQUENCY ANALYSIS

Alpha Waves (8-13 Hz): 11.2 Hz average

- Baseline: 9.8 Hz | Improvement: +14.3% | Status: Optimal range achieved

Beta Waves (13-30 Hz): 19.5 Hz average

- Baseline: 16.2 Hz | Improvement: +20.4% | Status: Excellent progress

Theta Waves (4-8 Hz): 5.8 Hz average

- Baseline: 7.2 Hz | Improvement: -19.4% (reduction is positive) | Status: Significant improvement

Delta Waves (0.5-4 Hz): 2.3 Hz average

- Baseline: 3.1 Hz | Improvement: -25.8% (reduction is positive) | Status: Excellent regulation

ATTENTION METRICS

Sustained Attention: 78% (Baseline: 52%)

Selective Attention: 71% (Baseline: 48%)

Divided Attention: 65% (Baseline: 41%)

Executive Function: 73% (Baseline: 55%)