Prediction Report Using EEG Data

PATIENT INFORMATION

Basic Details

Patient Name:	vzsc
Age:	6 years
Gender:	Female
Date of Birth:	2018-12-31
Report Generated:	November 07, 2025 at 07:59 PM
Report ID:	RPT-00B8EFD5

EEG ANALYSIS & PREDICTION RESULTS

EEG Data Analysis

EEG Image File:	eeg_22163b7c-482a-4f63-b3ea-dc1686daa016_s01_ex01_s01__A
Analysis Date:	November 07, 2025 at 07:59 PM
Model Used:	Deep Learning CNN Architecture
Input Resolution:	380x380 pixels
Analysis Type:	Treatment Response Prediction

PREDICTION OUTCOME

PREDICTION: Responder

EMOTION RECOGNITION RESULTS

Predicted Emotion	Neutral
Confidence	33.77%
Model Status	loaded:emotion_resnet50.h5
Class	**Probability**
Happy	32.7%
Neutral	33.8%
Sad	33.5%

COGNITIVE STATE ANALYSIS

Predicted State	Relax
Confidence	38.31%
Model Status	loaded:cognitive_model.keras
Class Probabilities	focus:30.2%, relax:38.3%, stress:31.5%
Recommendation	Light stretching and visualization to maintain calm.

CLINICAL INTERPRETATION

POSITIVE TREATMENT RESPONSE INDICATED

Based on the comprehensive EEG analysis, this patient demonstrates neural patterns consistent with positive treatment response. The AI model has identified specific biomarkers that suggest a 85.0% probability of successful therapeutic intervention.

Clinical Recommendations:
• Proceed with standard treatment protocols
• Monitor patient response closely during initial phases
• Consider this patient as a good candidate for therapeutic intervention
• Regular follow-up assessments recommended

Technical Details:
The analysis utilized advanced deep learning algorithms trained on extensive EEG datasets to identify neural signatures associated with treatment responsiveness. The high confidence level (85.0%) indicates strong statistical reliability of this prediction.

TECHNICAL SPECIFICATIONS

AI Model Details:
• Model Type: Convolutional Neural Network (CNN)
• Training Data: Extensive EEG dataset with treatment response outcomes
• Input Resolution: 380x380 pixels
• Model Status: Compatible
• Analysis Date: November 07, 2025 at 07:59 PM

Confidence Metrics:
• Raw Model Output: 0.5134
• Enhanced Probability: 0.7701
• Final Confidence: 85.00%