Prediction Report Using EEG Data

PATIENT INFORMATION

Basic Details

Patient Name:	abc
Age:	11 years
Gender:	Female
Date of Birth:	2025-10-08
Report Generated:	October 07, 2025 at 01:17 PM
Report ID:	RPT-28F254EE

EEG ANALYSIS & PREDICTION RESULTS

EEG Data Analysis

EEG Image File:	eeg_6c7ffd02-9016-4ee8-90aa-998790e70065_autism_292.png
Analysis Date:	October 07, 2025 at 01:17 PM
Model Used:	Deep Learning CNN Architecture
Input Resolution:	380x380 pixels
Analysis Type:	Treatment Response Prediction

PREDICTION OUTCOME

PREDICTION: Non-responder

CLINICAL INTERPRETATION

LIMITED TREATMENT RESPONSE INDICATED

The EEG analysis reveals neural patterns that suggest potential challenges with standard treatment approaches. The model indicates a 85.0% probability that this patient may not respond as expected to conventional therapeutic protocols.

Clinical Recommendations:
• Consider alternative treatment strategies
• Implement additional diagnostic assessments
• Explore personalized medicine approaches
• Monitor closely for any positive response indicators
• Consider consultation with specialists

Technical Details:
The analysis identified neural patterns that historically correlate with limited treatment response. While the confidence level is 85.0%, this prediction should be considered alongside other clinical factors and patient-specific considerations.

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: October 07, 2025 at 01:17 PM

Confidence Metrics:
• Raw Model Output: 0.4971
• Enhanced Probability: 0.2486
• Final Confidence: 85.00%