

# Prediction Report Using EEG Data

## PATIENT INFORMATION

### Basic Details

|                   |                              |
|-------------------|------------------------------|
| Patient Name:     | abc                          |
| Age:              | 1 years                      |
| Gender:           | Female                       |
| Date of Birth:    | 2025-10-01                   |
| Report Generated: | October 04, 2025 at 02:02 AM |
| Report ID:        | RPT-5ADC17F0                 |

## EEG ANALYSIS & PREDICTION RESULTS

### EEG Data Analysis

|                   |   |
|-------------------|---|
| EEG Image File:   | eeg_5e9826e9-b968-4b80-a8c6-010e230ff9b2_autism_292.png |
| Analysis Date:    | October 04, 2025 at 02:02 AM                            |
| 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 04, 2025 at 02:02 AM

#### Confidence Metrics:

- Raw Model Output: 0.4959
- Enhanced Probability: 0.2479
- Final Confidence: 85.00%