

# NEUROAI HEALTHCARE

## Treatment Response Prediction Report

### PATIENT INFORMATION

#### Basic Details

Patient Name:	Pratiksha Khandbahale
Age:	1 years
Gender:	Female
Date of Birth:	2025-10-01
Report Generated:	October 01, 2025 at 04:29 PM
Report ID:	RPT-B0DB16C0

# EEG ANALYSIS & PREDICTION RESULTS

## EEG Data Analysis

EEG Image File:	eeg_9b083f04-c982-4eff-b231-51145bfb9e35_img_44.png
Analysis Date:	October 01, 2025 at 04:29 PM
Model Used:	Deep Learning CNN Architecture
Input Resolution:	380x380 pixels
Analysis Type:	Treatment Response Prediction

## PREDICTION OUTCOME

### PREDICTION: Responder

<b>Prediction Result:</b>	<b>Responder</b>
<b>Confidence Level:</b>	<b>99.98%</b>
<b>Raw Model Output:</b>	<b>0.5415</b>
<b>Enhanced Probability:</b>	<b>0.6038</b>
<b>Model Status:</b>	<b>Original</b>
<b>Analysis Timestamp:</b>	<b>2025-10-01T16:29:59.041063</b>

## 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 100.0% 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 (100.0%) 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: Original
- Analysis Date: October 01, 2025 at 04:29 PM

### Confidence Metrics:

- Raw Model Output: 0.5415
- Enhanced Probability: 0.6038
- Final Confidence: 99.98%

### Disclaimer:

This AI-assisted prediction is intended to support clinical decision-making and should be used in conjunction with professional medical judgment, patient history, and other diagnostic methods. The prediction is not a substitute for comprehensive medical evaluation and should be considered as one factor among many in treatment planning.

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