

# FIG 1. COMPARATIVE ANALYSIS OF NEURAL RESPONSE LATENCY

Dataset: Alpha-742 n = 1,250 p < 0.001

100ms 75ms 50ms 25ms 0ms

42.1

78.4

94.8

**Control Protocol A Protocol B**

Baseline

Treatment I

Treatment II

*Observations: Protocol B demonstrates a 125% increase in response efficiency compared to baseline. Error bars omitted for visual clarity; standard deviation remains within  $\pm 4.2$ .*