

NeuroSentinel Clinical Report

Patient ID: PT-8492-X

Date: 2026-02-08 01:52

Assessment: SEVERE DECLINE

Biomarker Analysis:

Metric	Value	Reference Range
Pause Rate	0.16	< 0.40
Vocab Richness	0.80	> 0.50
Word Count	25	N/A
Speech Rate	3.28	> 2.5 sps
Initial Latency	0.06s	< 0.5s
Acoustic Texture	-276.14	Baseline
MFCC Delta	-0.1213	High Var
Speech Brightness	1560	> 1500 Hz
Emotional Range	675101.62	> 50

Clinical Interpretation

The patient exhibited significant acoustic hesitations (Pause Rate > 0.4). Combined with reduced vocabulary richness, this pattern is consistent with early-stage anomic aphasia. Immediate neurological consultation is recommended.