

Eye Tracking Analysis Report

Session: Session_20250610_184616

Generated: 2025-06-28 06:09:49

Condition Summary

Primary Findings:

- Eye Movement Asymmetry (medium confidence)
Significant differences detected between left and right eye movement patterns.

Recommendations:

- [MEDIUM] Further evaluation recommended to determine cause of eye movement asymmetry

Detailed Analysis

Metric	Left Eye	Right Eye	Interpretation
Movement Velocity (mm/s)	6.8	5.6	Low velocity may indicate fatigue or neurological impairment
Movement Frequency (Hz)	10.9	8.7	High frequency may indicate nystagmus or other oscillatory conditions
Position Variance	0.000	0.000	High variance indicates tremor, instability, or poor tracking ability

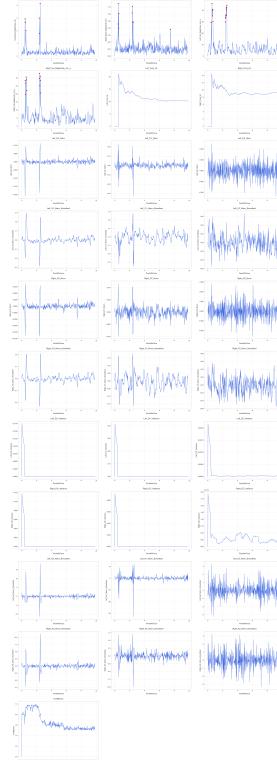
Condition Flags Detected:

- Asymmetry

Statistical Summary

	mean	std	min	50%	max	IQR	Outlier_Count
Index	217.0	125.14	1.0	217.0	431.0	216.0	0.0
TotalTime	5.1	2.97	0.07	5.1	10.12	5.21	0.0
TimeWithFace	4.81	2.96	0.0	4.81	9.82	5.21	0.0
Left_Move_Magnitude_mm	0.32	0.37	0.0	Enhanced Statistics	0.25	4.16	0.19
Right_Move_Magnitude_mm	0.27	0.22	0.0	0.23	1.88	0.18	7.0
Left_Vel_Magnitude_mm_s	6.76	6.9	0.0	5.13	46.03	5.0	16.0
Right_Vel_Magnitude_mm_s	5.57	4.67	0.0	4.51	32.75	3.69	12.0
Left_Freq_Hz	10.88	3.72	0.0	10.76	21.35	1.95	0.0
Right_Freq_Hz	8.73	2.68	0.0	9.05	14.56	0.49	0.0
Left_DX_Norm	-0.0	0.0	-0.02	0.0	0.01	0.0	0.0
Left_DY_Norm	-0.0	0.0	-0.03	0.0	0.02	0.0	0.0
Left_DZ_Norm	-0.0	0.0	-0.0	0.0	0.01	0.0	0.0
Left_VX_Norm_Smoothed	-0.0	0.05	-0.29	-0.0	0.29	0.02	0.0
Left_VY_Norm_Smoothed	-0.0	0.07	-0.35	0.0	0.28	0.07	0.0
Left_VZ_Norm_Smoothed	0.0	0.02	-0.05	-0.0	0.07	0.02	0.0
Right_DX_Norm	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Right_DY_Norm	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Right_DZ_Norm	-0.0	0.0	-0.01	0.0	0.01	0.0	0.0
Right_VX_Norm_Smoothed	-0.0	0.04	-0.23	-0.0	0.21	0.03	0.0
Right_VY_Norm_Smoothed	-0.0	0.05	-0.17	-0.0	0.18	0.05	0.0
Right_VZ_Norm_Smoothed	-0.0	0.02	-0.05	-0.0	0.08	0.02	0.0
Left_DX_Variance	0.0	0.0	0.0	0.0	0.02	0.0	0.0
Left_DY_Variance	0.0	0.01	0.0	0.0	0.04	0.0	0.0
Left_DZ_Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Right_DX_Variance	0.0	0.0	0.0	0.0	0.01	0.0	0.0
Right_DY_Variance	0.0	0.0	0.0	0.0	0.01	0.0	0.0
Right_DZ_Variance	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Left_AX_Norm_Smoothed	0.02	1.48	-11.37	0.0	18.25	0.65	0.0
Left_AY_Norm_Smoothed	-0.02	2.48	-32.77	0.0	12.32	1.25	0.0
Left_AZ_Norm_Smoothed	0.02	0.86	-3.22	0.0	3.3	0.94	0.0
Right_AX_Norm_Smoothed	0.01	1.07	-7.2	0.0	11.2	0.53	0.0
Right_AY_Norm_Smoothed	-0.01	1.26	-9.88	0.0	7.09	1.03	0.0
Right_AZ_Norm_Smoothed	-0.0	0.99	-3.28	0.0	3.27	1.07	0.0
Confidence	0.64	0.2	0.0	0.58	1.0	0.24	0.0
Label	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Feature Trends



Feature Correlations

