

Eye Tracking Analysis Report

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Condition Summary

Primary Findings:

- Nystagmus (medium confidence)
Rhythmic, involuntary eye movements detected, which may indicate vestibular or neurological issues.
- Eye Movement Asymmetry (medium confidence)
Significant differences detected between left and right eye movement patterns.

Recommendations:

- [HIGH] Consult with a neurologist or ophthalmologist for evaluation of nystagmus
- [MEDIUM] Further evaluation recommended to determine cause of eye movement asymmetry

Detailed Analysis

Metric	Left Eye	Right Eye	Interpretation
Movement Velocity (mm/s)	21.3	20.3	Low velocity may indicate fatigue or neurological impairment
Movement Frequency (Hz)	8.2	6.4	High frequency may indicate nystagmus or other oscillatory conditions
Position Variance	0.001	0.000	High variance indicates tremor, instability, or poor tracking ability

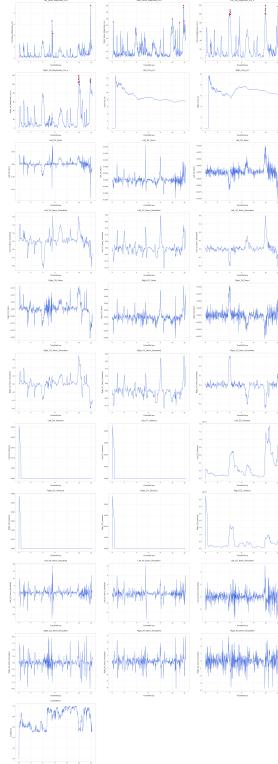
Condition Flags Detected:

- Nystagmus
- Asymmetry

Statistical Summary

	mean	std	min	50%	max	IQR	Outlier_Count
Index	255.0	147.08	1.0	255.0	204.0	254.0	0.0
TotalTime	6.12	3.65	0.07	6.05	12.48	6.33	0.0
TimeWithFace	5.84	3.64	0.0	5.77	12.19	6.33	0.0
Left_Move_Magnitude_mm	0.7	0.87	0.0	Enhanced Statistics	9.37	0.74	4.0
Right_Move_Magnitude_mm	0.62	0.67	0.0	0.36	4.01	0.57	6.0
Left_Vel_Magnitude_mm_s	21.27	25.01	0.0	10.74	119.48	21.09	13.0
Right_Vel_Magnitude_mm_s	20.3	24.79	0.0	9.74	120.01	21.43	12.0
Left_Freq_Hz	8.18	2.73	0.0	8.12	14.78	1.67	0.0
Right_Freq_Hz	6.41	1.9	0.0	6.89	9.73	0.85	0.0
Left_DX_Norm	0.0	0.01	-0.05	0.0	0.03	0.0	0.0
Left_DY_Norm	-0.0	0.0	-0.01	-0.0	0.01	0.0	0.0
Left_DZ_Norm	0.0	0.0	-0.01	0.0	0.01	0.0	0.0
Left_VX_Norm_Smoothed	0.01	0.18	-0.66	0.01	0.63	0.1	0.0
Left_VY_Norm_Smoothed	-0.0	0.05	-0.15	-0.0	0.24	0.03	0.0
Left_VZ_Norm_Smoothed	0.01	0.07	-0.23	0.0	0.4	0.03	0.0
Right_DX_Norm	0.0	0.0	-0.02	0.0	0.02	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	0.02	0.17	-0.6	0.01	0.7	0.1	0.0
Right_VY_Norm_Smoothed	-0.0	0.05	-0.12	-0.0	0.24	0.03	0.0
Right_VZ_Norm_Smoothed	-0.0	0.07	-0.25	0.0	0.31	0.03	0.0
Left_DX_Variance	0.0	0.0	0.0	0.0	0.03	0.0	0.0
Left_DY_Variance	0.0	0.0	0.0	0.0	0.01	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	-0.05	2.81	-18.02	0.0	18.69	1.67	0.0
Left_AY_Norm_Smoothed	0.01	0.86	-5.37	0.0	6.06	0.6	0.0
Left_AZ_Norm_Smoothed	-0.02	0.92	-3.54	0.0	5.01	0.7	0.0
Right_AX_Norm_Smoothed	-0.01	2.23	-9.97	0.0	10.3	1.31	0.0
Right_AY_Norm_Smoothed	0.01	0.79	-4.18	0.01	3.96	0.57	0.0
Right_AZ_Norm_Smoothed	0.0	0.91	-3.77	0.02	3.42	0.89	0.0
Confidence	0.74	0.21	0.0	0.77	1.0	0.34	0.0
Label	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Feature Trends



Feature Correlations

