

## SUPPLEMENTARY MATERIAL

**Table S1.** Principal component analysis of gait data: rotated component matrix

	Component							
	1	2	3	4	5	6	7	8
DLS	0.963							
PS	0.902							
SLS	-0.832							
LR	0.827							
SW	-0.754							
DLS CoV		0.970						
PS CoV		0.931						
LR CoV		0.852						
SLS CoV		0.829						
SW CoV		0.538						
Swing duration			0.929					
Stride duration			0.886					
Cadence			-0.879					
Stance duration			0.804					
Stride duration CoV				0.943				
Cadence CoV				0.941				
Stance duration CoV				0.861				
Velocity CoV				0.722				
Step Length					0.884			
Stride Length					0.877			
Velocity					0.685			
Step Length CoV						0.828		
Stride Length CoV						0.767		
TS							0.951	
MS							-0.936	
MS CoV								0.884
TS CoV								0.857
Swing duration CoV								

**Table S2.** Principal component analysis of gait data: total variance explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1 – Gait cycle	8.244	29.444	29.444	8.244	29.444	29.444	5.046	18.022	18.022
2 – Gait cycle CoV	4.717	16.847	46.291	4.717	16.847	46.291	4.123	14.726	32.748
3 – Gait rhythm	3.363	12.010	58.301	3.363	12.010	58.301	3.813	13.619	46.367
4 – Gait rhythm CoV	2.597	9.273	67.574	2.597	9.273	67.574	3.595	12.840	59.207
5 – Gait pace	1.931	6.895	74.470	1.931	6.895	74.470	2.493	8.903	68.110
6 – Gait pace CoV	1.615	5.769	80.238	1.615	5.769	80.238	2.207	7.881	75.991
7 – Midstance	1.421	5.076	85.314	1.421	5.076	85.314	2.052	7.327	83.318
8 – Midstance CoV	1.093	3.905	89.219	1.093	3.905	89.219	1.652	5.901	89.219
9	0.920	3.287	92.506						
10	0.613	2.190	94.697						
11	0.312	1.113	95.809						
12	0.270	0.965	96.774						
13	0.238	0.849	97.623						
14	0.225	0.803	98.426						
15	0.175	0.624	99.050						
16	0.112	0.398	99.448						
17	0.070	0.252	99.700						
18	0.026	0.093	99.793						
19	0.024	0.085	99.878						
20	0.015	0.055	99.933						
21	0.011	0.038	99.971						
22	0.006	0.020	99.991						
23	0.001	0.004	99.995						
24	0.001	0.003	99.998						
25	0.000	0.002	100.000						
26	2.493E-06	8.904E-06	100.000						

**Table S3.** Principal component analysis of visual data: rotated component matrix

	Component	
	1	2
CSC at 3m	0.929	
CSC at 4m	0.907	
CSC at 2m	0.901	
CSC at 1.6m	0.853	
VABC	0.837	
CSU at 2m		0.869
CSU at 1.6m		0.866
CSU at 3m		0.824
CSU at 4m		0.714
VABU		0.665

**Table S4.** Principal component analysis of vision data: total variance explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1 – Corrected vision	7.022	70.217	70.217	7.022	70.217	70.217	5.063	50.630	50.630
2 – Uncorrected vision	1.374	13.744	83.962	1.374	13.744	83.962	3.333	33.332	83.962
3	0.742	7.422	91.384						
4	0.399	3.988	95.372						
5	0.175	1.747	97.119						
6	0.116	1.161	98.280						
7	0.105	1.047	99.327						
8	0.032	0.317	99.644						
9	0.023	0.226	99.870						
10	0.013	0.130	100.000						

**Table S5.** Principal component analysis of auditory data: rotated component matrix

	Component		
	1	2	3
SRW total number of mistakes	-0.946		
SRW average	0.946		
SRS total number of mistakes	-0.939		
SRS average	0.939		
SRS better	0.933		
SRW better	0.898		
SRT average		0.952	
SRT better		0.923	
PTA average		0.910	
PTA better		0.897	
WRS better			0.900
WR total number of mistakes			-0.898
WR average			0.898

**Table S6.** Principal component analysis of auditory data: total variance explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1 – Sentence recognition	6.545	50.343	50.343	6.545	50.343	50.343	5.451	41.929	41.929
2 – Hearing level	3.800	29.231	79.574	3.800	29.231	79.574	3.728	28.678	70.606
3 – Word recognition	1.465	11.269	90.843	1.465	11.269	90.843	2.631	20.237	90.843
4	0.368	2.833	93.676						
5	0.349	2.688	96.364						
6	0.206	1.581	97.945						
7	0.146	1.126	99.071						
8	0.060	0.464	99.535						
9	0.044	0.342	99.877						
10	0.016	0.120	99.997						
11	0.000	0.003	100.000						

12	0.00 0	0.000	100.000						
13	0.00 0	0.000	100.000						

**Table S7.** Principal component analysis of postural stability data: rotated component matrix

	Component		
	1	2	3
OSI EO	0.929		
MLSI EO	0.850		
APSI EO	0.803		
APSI EC		0.926	
OSI EC		0.826	
MLSI EC		0.762	
RT EC			0.799
RT EO			0.699
LOS time			-0.587
FRI			

**Table S8.** Principal component analysis of postural stability data: total variance explained

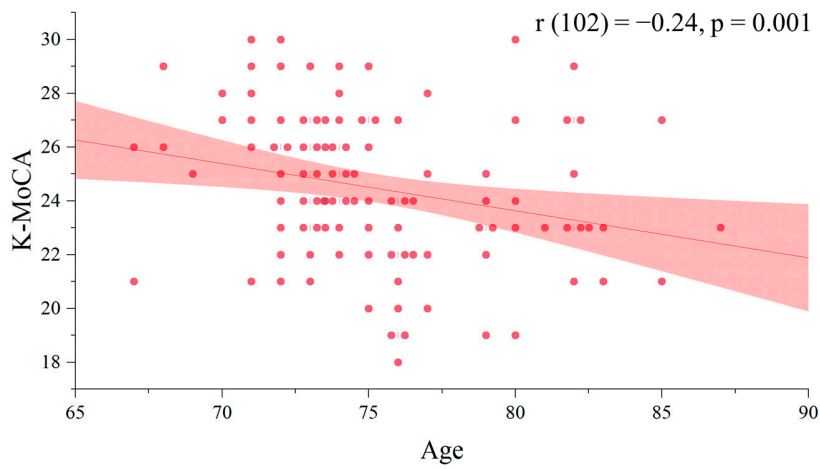
Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1 – Eyes open PS	3.838	38.379	38.379	3.838	38.379	38.379	3.318	33.183	33.183
2 – Eyes closed PS	1.473	14.731	53.110	1.473	14.731	53.110	1.792	17.919	51.103
3 – PS testing time	1.392	13.924	67.034	1.392	13.924	67.034	1.593	15.932	67.034
4	0.967	9.671	76.705						
5	0.751	7.510	84.215						
6	0.685	6.849	91.064						
7	0.522	5.221	96.285						
8	0.330	3.304	99.589						
9	0.037	0.371	99.960						
10	0.004	0.040	100.000						

**Table S9.** Principal component analysis of olfactory data: rotated component matrix

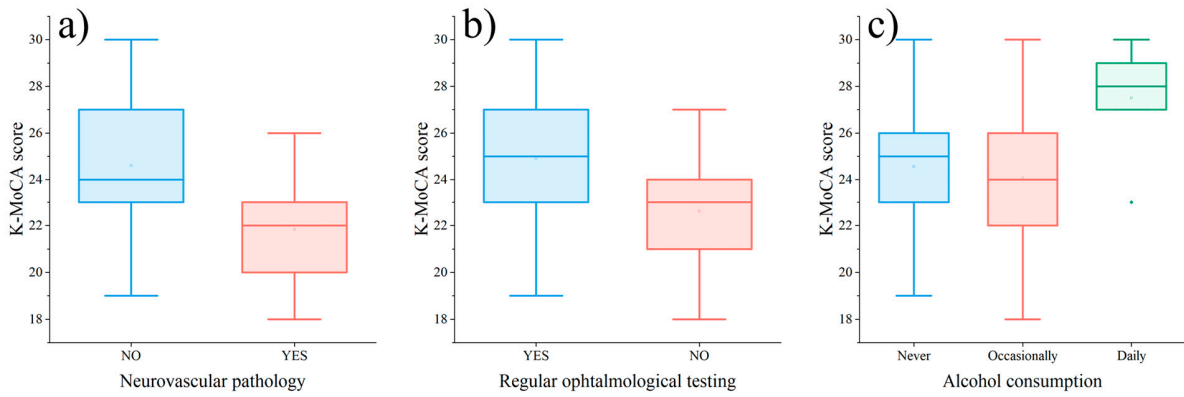
Component	
1	
Olfactory Discrimination	0.799
Olfaction Threshold	0.799

**Table S10.** Principal component analysis of olfactory data: total variance explained

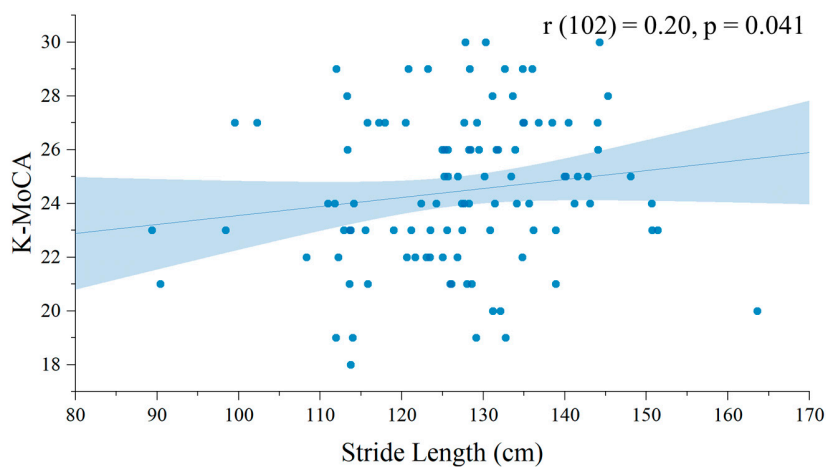
Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1 – Sense of smell	1.277	63.856	63.856	1.277	63.856	63.856
2	0.723	36.144	100.000			



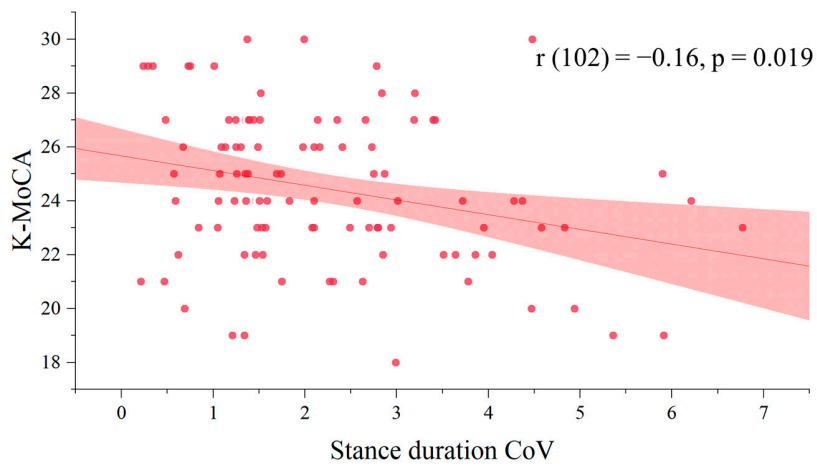
**Figure S1.** Correlation between K-MoCA score and age



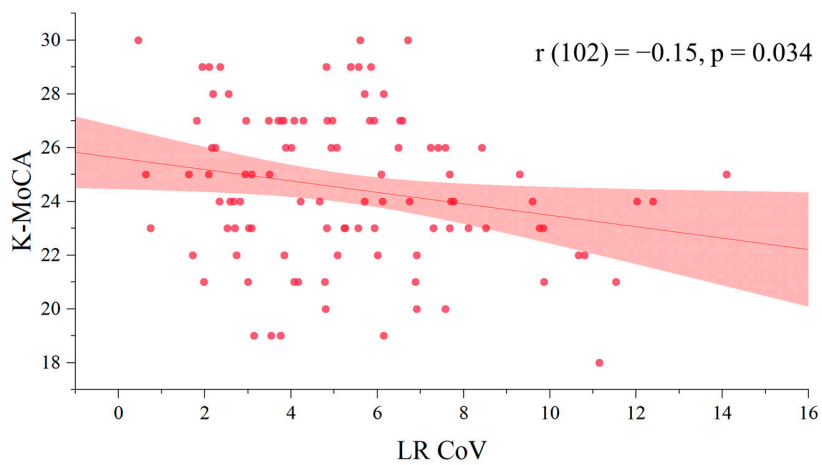
**Figure S2.** K-MoCA score depending on a) neurovascular pathology, b) regular ophthalmological testing, and c) alcohol consumption



**Figure S3.** Correlation between K-MoCA score and stride length

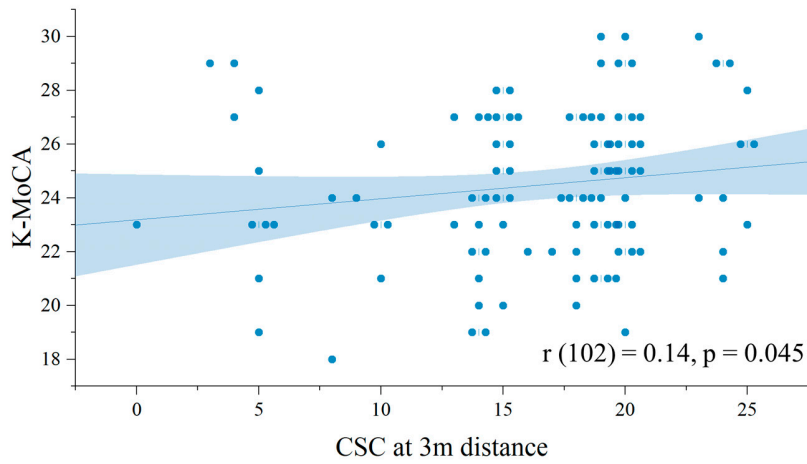


**Figure S4.** Correlation between K-MoCA score and stance duration CoV

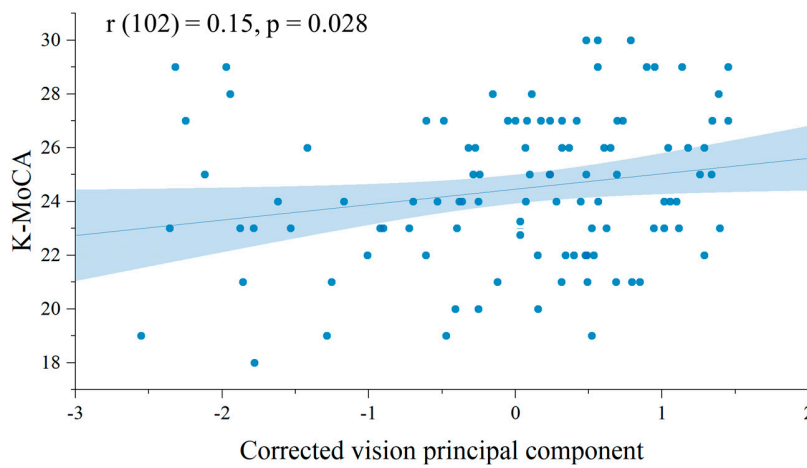


**Figure S5.** Correlation between K-MoCA score and LR CoV

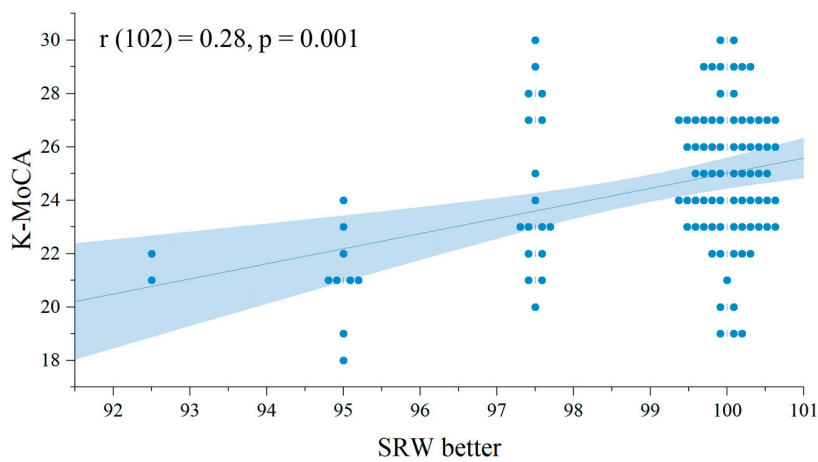




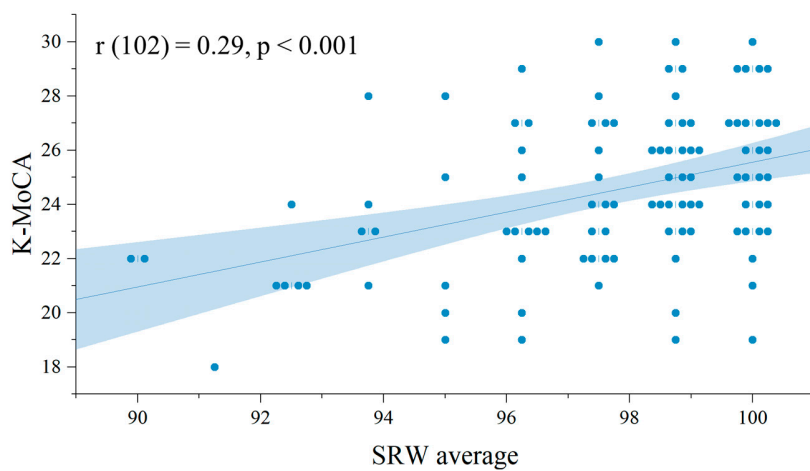
**Figure S6.** Correlation between K-MoCA score and corrected contrast sensitivity at 3m distance



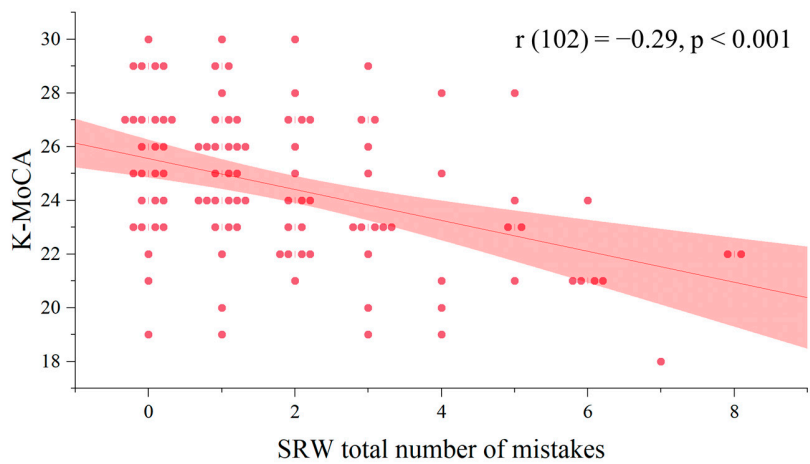
**Figure S7.** Correlation between K-MoCA score and corrected vision principal component



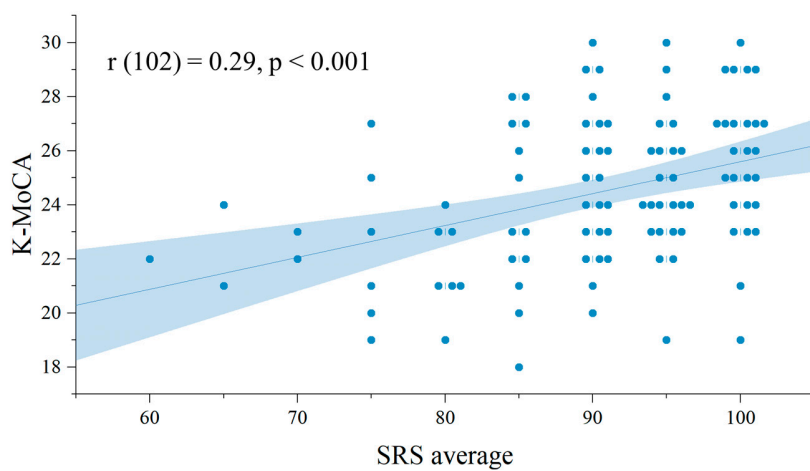
**Figure S8.** Correlation between K-MoCA score and SRW better



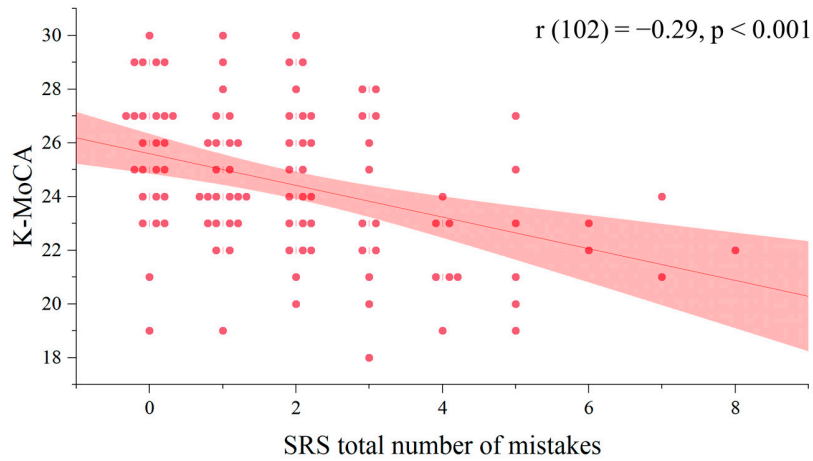
**Figure S9.** Correlation between K-MoCA score and SRW average



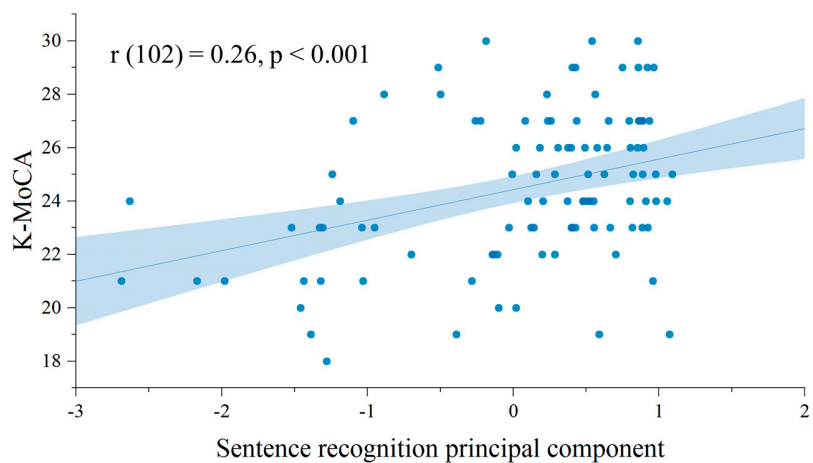
**Figure S10.** Correlation between K-MoCA score and SRW total number of mistakes



**Figure S11.** Correlation between K-MoCA score and SRS average



**Figure S12.** Correlation between K-MoCA score and SRS total number of mistakes



**Figure S13.** Correlation between K-MoCA score and sentence recognition principal component