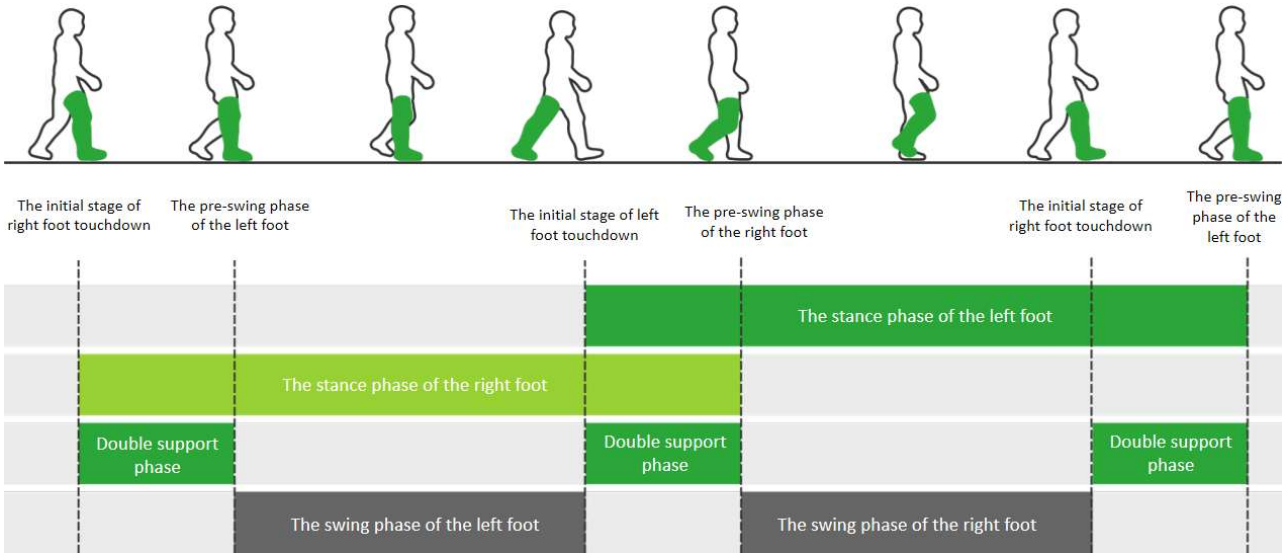
Test Items: Dynamic Gait

Testing Device: NexStep AI Gait Analysis Treadmill

Assessment ID: 4925482776833

Test Time: 2026-10-14 11:40:54



Phase Parameters

Stance Phase	L	65.3±1.5%		100%
	R	69.4±5.5%		100%
Landing Phase	L	13.7±2.3%		100%
	R	12.9±1.7%		100%
Flat Foot Phase	L	34.2±6.9%		100%
	R	40.4±10.8%		100%
Propulsion Phase	L	17.3±6.0%		100%
	R	15.9±4.2%		100%
Swing Phase	L	34.7±1.5%		100%
	R	30.6±5.5%		100%
Double Support Phase	-	20.6±5.3%		100%

Test Items: Dynamic Gait

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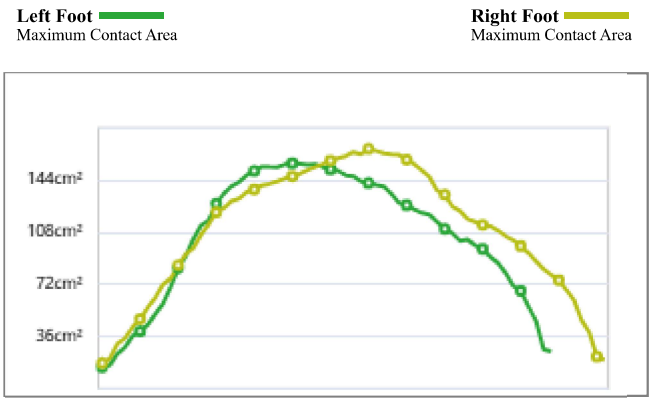
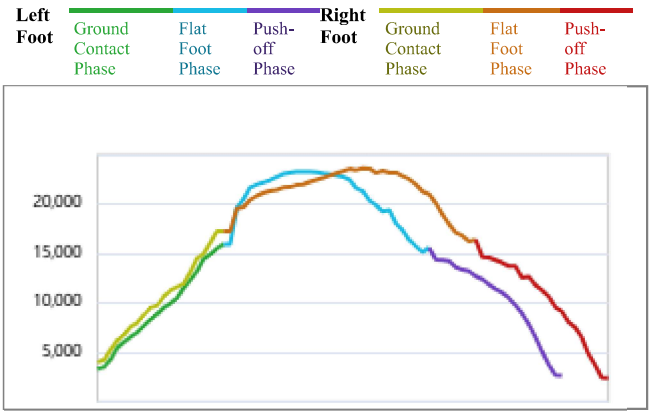
Spatial Parameters

Foot Angle	L	0.4±2.3°	-20°	20°
	R	4.3±1.7°	-20°	20°
Step Length	L	19.9±1.6cm		100cm
	R	20.6±1.2cm		100cm
Stride Length	-	40.4±2.0cm		200cm
Step Width	-	10.7±3.0cm		200cm
Step Cadence	-	81Steps/min		200Steps/min

Contact Area Curve



Walking Pressure Curve



Test Items: Dynamic Gait

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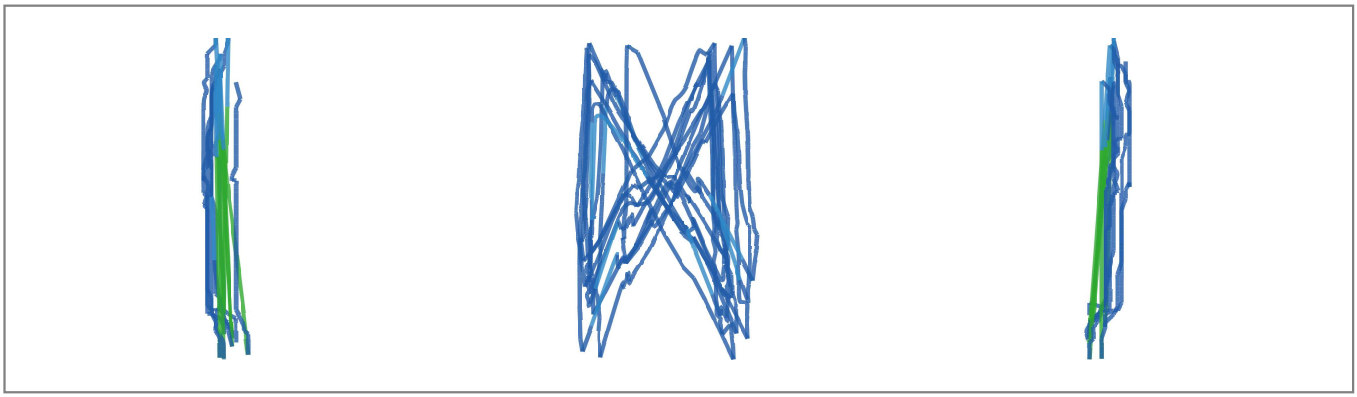
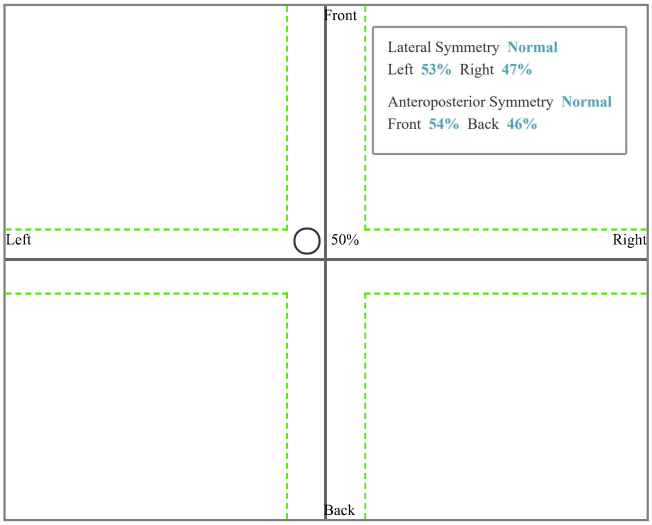
COP Trajectory



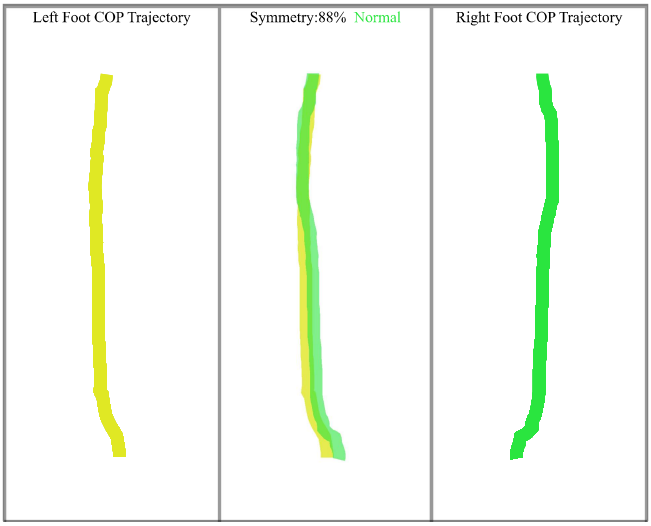
COP Parameters

Gait Line Length	L	435±20mm		500mm
	R	445±22mm		500mm
Maximum Gait Line Velocity	-	1079cm/s		500cm/s

Center of Mass



Symmetry of Bipodal CoP Trajectory



Test Items: Posture Cycle Analysis

Testing Device: NexStep AI Gait Analysis Treadmill

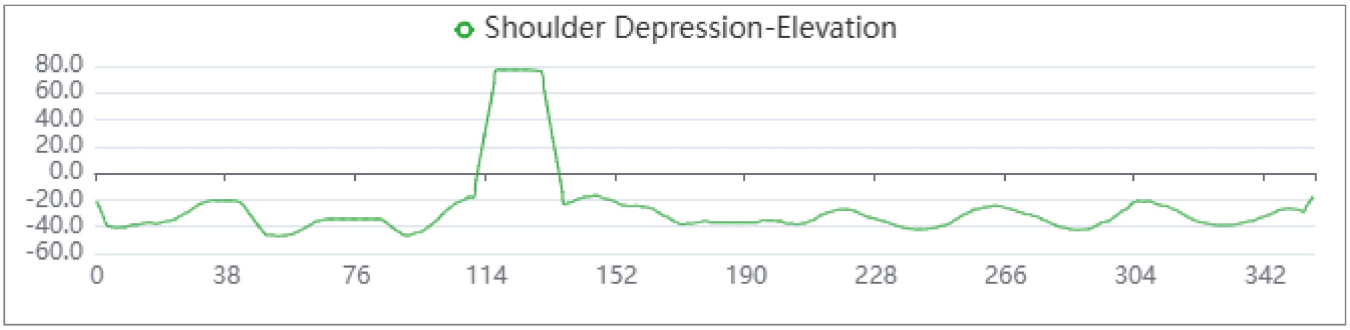
Assessment ID: 4925482776833

Test Time: 2026-10-14 11:40:54

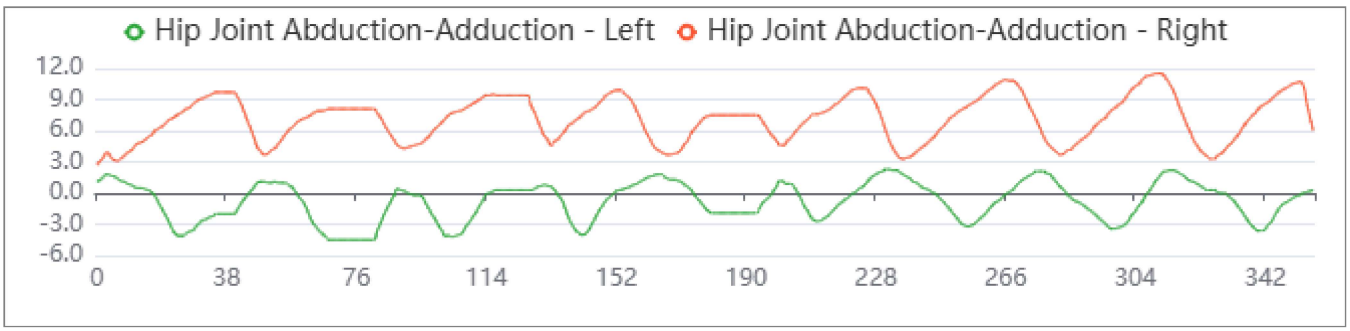
Posture Data Conclusion

Vertical Amplitude	--	13.7mm	Upward	23.8mm	0	Downward	**Insufficient vertical amplitude**
Trunk Tilt	Left-Right Tilt	1.1°/3.8°	Left Tilt	1.4°	4.5°	Right Tilt	**Normal**
	Vertical Amplitude	3.6°/6°	Forward Tilt	5.1°	7.9°	Rearward Tilt	**Normal**
Shoulder - Collapse/ Elevation	Left Shoulder	5.8°/7.5°	Collapse	7.2°	8.7°	Elevation	**Normal**
	Right Shoulder	7.6°/5.9°	Collapse	8.7°	7.9°	Elevation	**Normal**
Hip Joint - Abduction/ Adduction	Left Hip	1.5°/3.5°	Adduction	2.3°	4.5°	Abduction	**Normal**
	Right Hip	9.6°/3.9°	Adduction	11.5°	4.6°	Abduction	**Normal**
Knee Joint - Flexion/ Extension	Left Knee	30°/9.2°	Extension	40.9°	28.3°	Flexion	**Left knee hyperextension**
	Right Knee	36.3°/9.2°	Extension	43.4°	36.5°	Flexion	**Right knee hyperextension**
Knee Joint - Inversion/ Eversion	Left Knee	2.6°/11.6°	Eversion	6°	16°	Inversion	**Left knee valgus**
	Right Knee	0.8°/15.3°	Eversion	1.4°	21.3°	Inversion	**Right knee varus**

Shoulder Joint



Hip Joint



Test Items: Posture Cycle Analysis

Testing Device: NexStep AI Gait Analysis Treadmill

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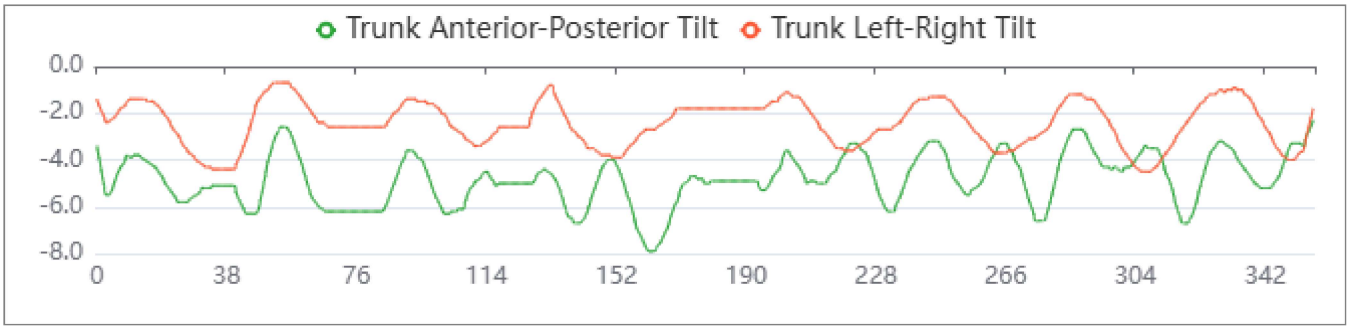
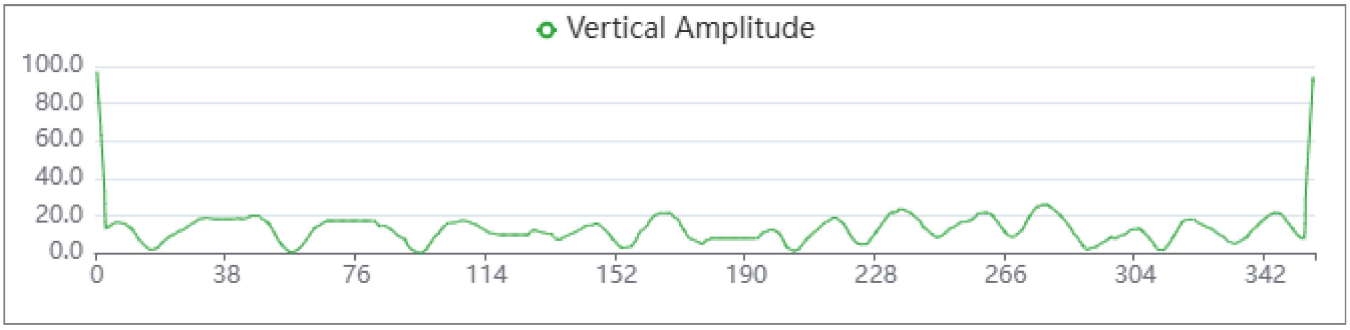
Posture Data Conclusion

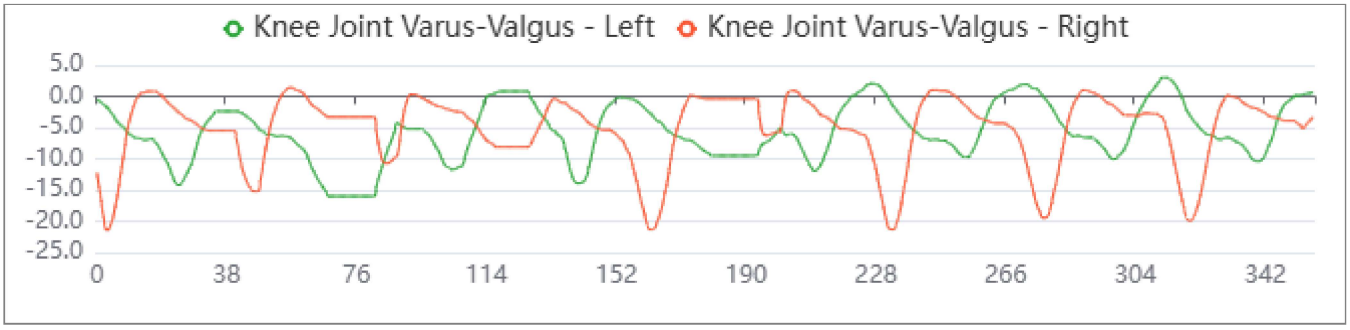
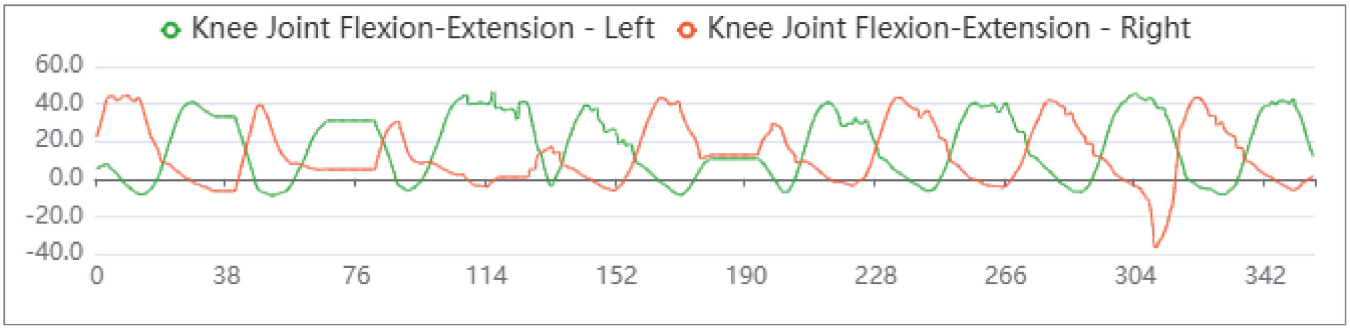
Trunk



Vertical Amplitude



Knee Joint



Knee Joint