Gait analysis report

GaitUp⊕

	26 cm			02-09-2024 00:00	
Patient ID	Shoe size	Gender	Age	Date	
217.41 s	0 s	111	107	4	120.51 m
Test time	Turn time	Strides	Analysed	Discarded	Distance
Remarks					

Speed

0.9 ± 0.13 m/s

0.5   0.75   1   1.25   1.5   1.75   2

Variability

87.88 %

1   2   3   4   5   6   7   8   9   10

Asymmetry

-2.8 ± 17.8 %

-60   -40   -20   0   20   40   60
Left   Right

Swing, Stance

L   36.43 %   63.57 %
26.38
R   62.81 %   37.19 %

Stride, Angles, Clearance

L
26 cm
-71.81 °
3 cm
15 cm
21.83 °
1.122 m

R
26 cm
-69.24 °
4 cm
14 cm
23.26 °
1.127 m
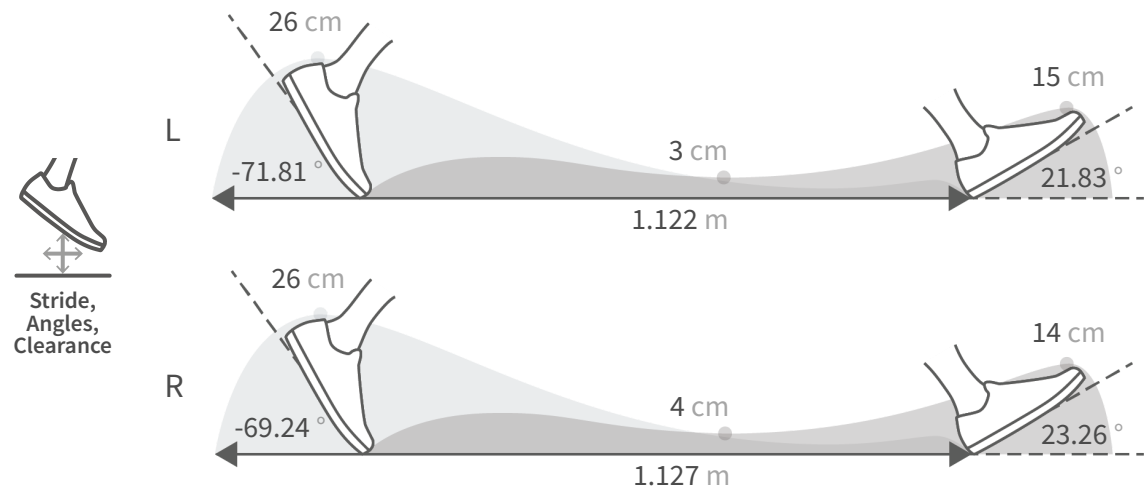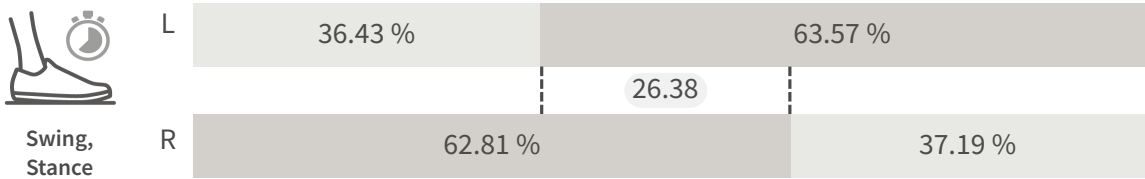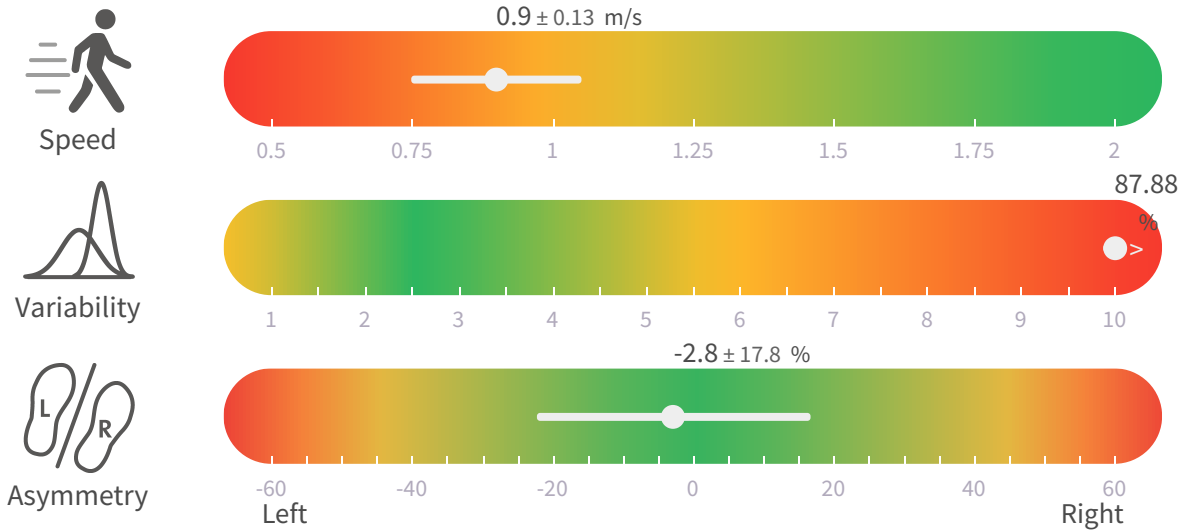
Detailed statistics

Gaitup✚

General

Parameter	Cycle duration		Cadence		Stride length		Speed		Turning angle	
Unit	s		steps/min		m		m/s		degree	
Side	L	R	L	R	L	R	L	R	L	R
Mean	1.41	1.37	94.26	95.15	1.12	1.13	0.9	0.91	-0.3	0.3
Median	1.24	1.24	96.77	97.17	1.13	1.14	0.92	0.93	-0.2	0.5
Std	1.2	1.2	11.86	9.29	0.15	0.11	0.16	0.13	2.7	2.7
Iqr	0.05	0.04	3.66	3.5	0.09	0.1	0.07	0.07	3	3.1
Min	1.17	1.17	9.79	8.8	0.25	0.43	0.06	0.07	-10.6	-10.6
Max	12.26	13.63	103	103	1.4	1.33	1.06	1.02	9	7.4
Ratio	1.03	0.97	0.99	1.01	1	1	1	1	-1	-1
CV	85.05	87.89	12.58	9.76	13.62	9.4	17.39	14.1		

Temporal

Parameter	Stance		Swing		Loading		Foot-flat		Pushing		Double support	
Unit	% cycle		% cycle		% stance		% stance		% stance		% cycle	
Side	L	R	L	R	L	R	L	R	L	R	L	R
Mean	63.57	62.81	36.43	37.19	9.57	9.66	62.17	61.97	28.26	28.37	25.44	25.44
Median	63.33	63.13	36.67	36.87	9.59	9.66	61.29	61.01	29.49	29.34	26.04	26.04
Std	5.49	4.11	5.49	4.11	2.17	1.96	6.09	4.57	4.87	3.86	4.66	4.66
Iqr	2.47	1.93	2.47	1.93	1.99	2.43	3.98	2.84	2.54	3.25	3.87	3.87
Min	57.65	53.85	2.75	3.45	0.42	0.38	52.41	55.48	1.26	2.55	16.06	16.06
Max	97.25	96.55	42.35	46.15	15.43	14.02	98.32	97.07	35.83	33.54	59.19	59.19
Ratio	1.01	0.99	0.98	1.02	0.99	1.01	1	1	1	1		
CV	8.63	6.55	15.06	11.06	22.69	20.28	9.8	7.37	17.23	13.61	18.32	18.32

Spatial

Parameter	Peak swing		Swing speed		Strike angle		Lift-off angle		Swing width		3D path length	
Unit	degree/s		m/s		degree		degree		m		% stride length	
Side	L	R	L	R	L	R	L	R	L	R	L	R
Mean	366.1	348.8	3.13	3.1	21.83	23.26	-71.81	-69.24	0.04	-0.04	106.47	106.88
Median	373.5	351.4	3.14	3.11	22.18	23.66	-73.28	-69.73	0.04	-0.04	106.22	106.38
Std	35.4	27.7	0.27	0.23	3.58	2.95	8.36	5.31	0.02	0.02	1.39	1.8
Iqr	30.6	21.8	0.17	0.21	2.5	1.67	3.68	2.24	0.02	0.02	1.65	1.98
Min	182.8	130.3	0.96	1.46	0.41	0.44	-80.02	-78.16	-0.02	-0.08	103.65	104.05
Max	420	402.1	3.54	3.42	27.2	28.87	-23.26	-20.75	0.1	0.03	110.35	114.19
Ratio	1	1	1.01	0.99	0.94	1.07	1.04	0.96	-1.13	-0.89	1	1
CV	9.7	7.9			16.42	12.69	-11.64	-7.67			1.3	1.69

Clearance

Parameter	Max. heel		Max. toe 1		Min. toe		Max toe 2	
Unit	m		m		m		m	
Side	L	R	L	R	L	R	L	R
Mean	0.26	0.26	0.05	0.06	0.03	0.04	0.15	0.14
Median	0.26	0.27	0.05	0.06	0.03	0.04	0.15	0.14
Std	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.02
Iqr	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
Min	0.11	0.1	0.01	0.02	0.02	0.01	0.02	0.03
Max	0.29	0.29	0.08	0.08	0.06	0.05	0.19	0.2
Ratio	0.97	1.03	0.89	1.12	0.9	1.12	1.08	0.93
CV								

Cycle-by-cycle results can be found in the excel file also generated by the software