











Patient:
Example, 05.05.1978, Male





Date:
12.07.2023 11:41


AVERAGE GAIT PARAMETERS

Distance: 62,7 m Count of steps: 54/53 Duration: 00:01:00

Temporal parameters		
Gait cycle, s	1,1	
Step, s	L 0,56 R 0,54	 $\Delta = 0,02$ ($<0,02$)
Cadence, step/min	L 55 R 55	 $\Delta = 0$
Gait rhythm	0,94	



Gait phases		
Stance phase, %	L 62,3 R 64,7	 $\Delta = 2,4$ ($<2,2$)
Single support, %	L 35,3 R 37,8	 $\Delta = 2,5$ ($<2,2$)
Double support, %	L 26,9 R 26,9	 $\Delta = 0,0$
First double support, %	L 13,8 R 13,1	 $\Delta = 0,7$ ($<1,7$)
Second double support, %	L 13,2 R 13,7	 $\Delta = 0,5$ ($<1,7$)
Swing phase, %	L 37,7 R 35,3	 $\Delta = 2,4$ ($<2,2$)











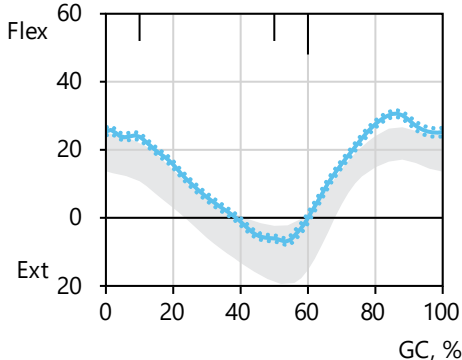
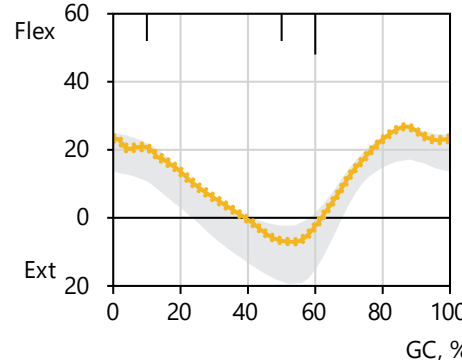
Spatial parameters		
Stride length, cm	122	
Gait speed, km/h	4,00	
Foot clearance, cm	L 12 R 15	 $\Delta = 3$ (<3)
Circumduction, cm	L 2 R 2	 $\Delta = 0$ (<1)











Kinematic parameters, Pelvis, Flexion / extension		
Flexion / extension amplitude, °	L 4 R 4	 $\Delta = 0$

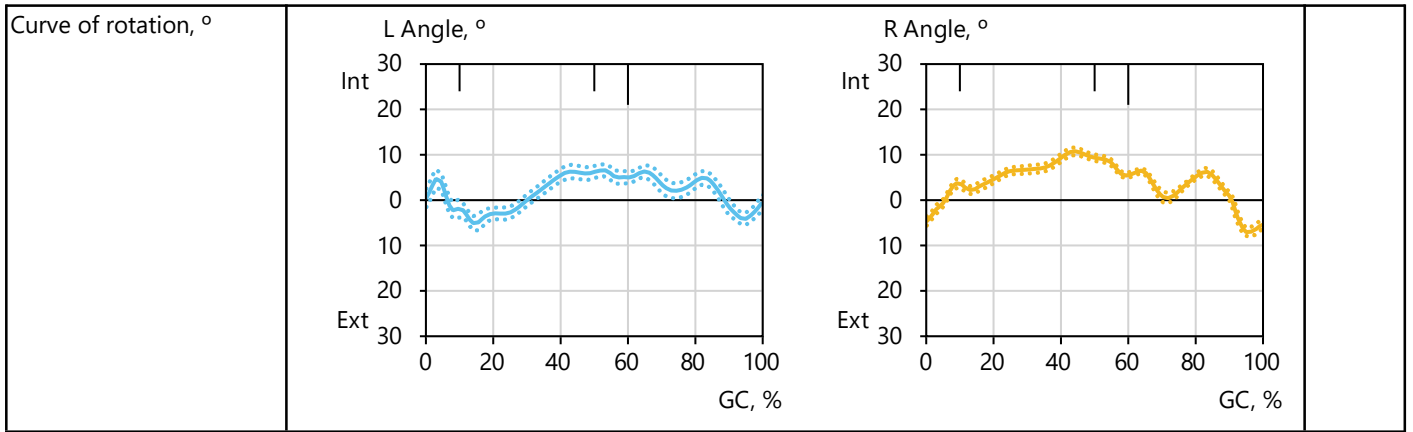
Kinematic parameters, Pelvis, Adduction / abduction		
---	--	--

Adduction / abduction amplitude, °	L 6  R 6 	$\Delta = 0$
------------------------------------	--	--------------

Kinematic parameters, Pelvis, Rotation		
Rotation amplitude, °	L 12  R 12 	$\Delta = 0$

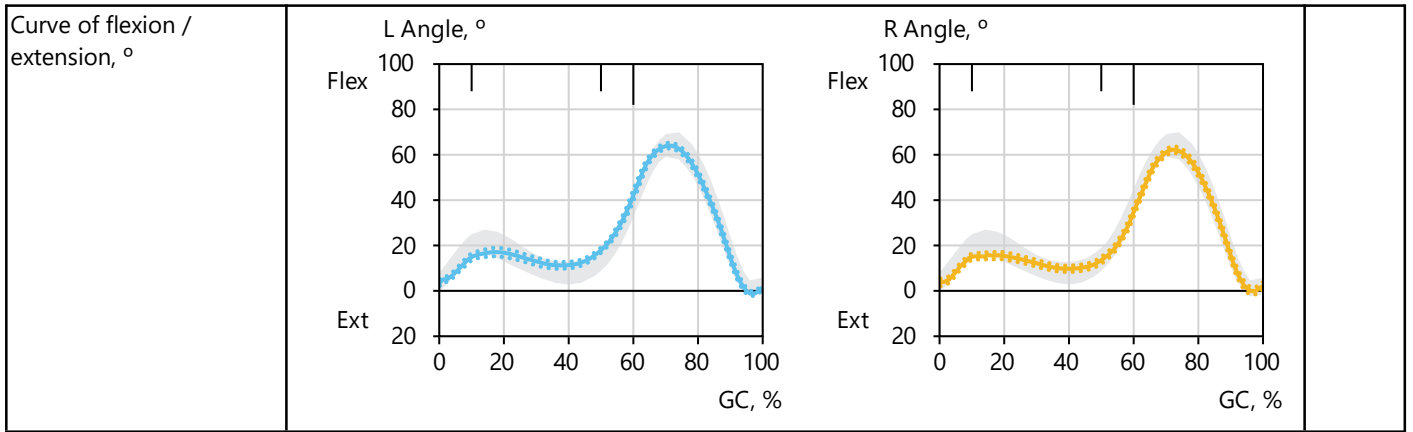
Kinematic parameters, Hip Joint, Flexion / extension		
Flexion / extension amplitude, °	L 38  R 34 	$\Delta = 4$
Maximum extension phase, %	L 53  R 54 	$\Delta = 1$
Maximum extension amplitude, °	L 7  R 7 	$\Delta = 0$
Maximum flexion phase, %	L 86  R 87 	$\Delta = 1$
Maximum flexion amplitude, °	L 31  R 27 	$\Delta = 4$
Curve of flexion / extension, °	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>L Angle, °</p>  </div> <div style="text-align: center;"> <p>R Angle, °</p>  </div> </div>	

Kinematic parameters, Hip Joint, Rotation		
Rotation amplitude, °	L 12  R 18 	$\Delta = 6$
Maximum external rotation phase, %	L 15  R 95 	$\Delta = 20$
Maximum external rotation amplitude, °	L 5  R 7 	$\Delta = 2$
Maximum internal rotation phase, %	L 53  R 44 	$\Delta = 9$
Maximum internal rotation amplitude, °	L 7  R 11 	$\Delta = 4$



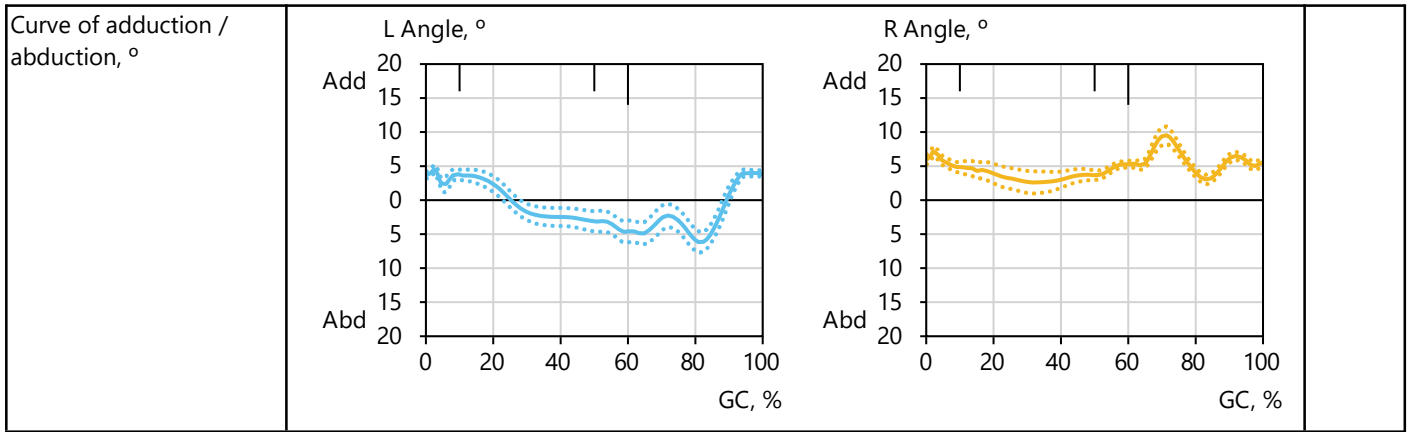
Kinematic parameters, Hip Joint, Adduction / abduction			
Adduction / abduction amplitude, °	L 17	R 15	$\Delta = 2$
Maximum abduction phase, %	L 66	R 61	$\Delta = 5$
Maximum abduction amplitude, °	L 10	R 4	$\Delta = 6$
Maximum adduction phase, %	L 11	R 17	$\Delta = 6$
Maximum adduction amplitude, °	L 8	R 11	$\Delta = 3$
Curve of adduction / abduction, °			

Kinematic parameters, Knee joint, Flexion / extension			
Flexion / extension amplitude, °	L 65	R 63	$\Delta = 2$
Maximum extension phase, %	L 97	R 97	$\Delta = 0$
Maximum extension amplitude, °	L 1	R 0	$\Delta = 1$
Maximum flexion phase, %	L 71	R 72	$\Delta = 1$
Maximum flexion amplitude, °	L 64	R 62	$\Delta = 2$



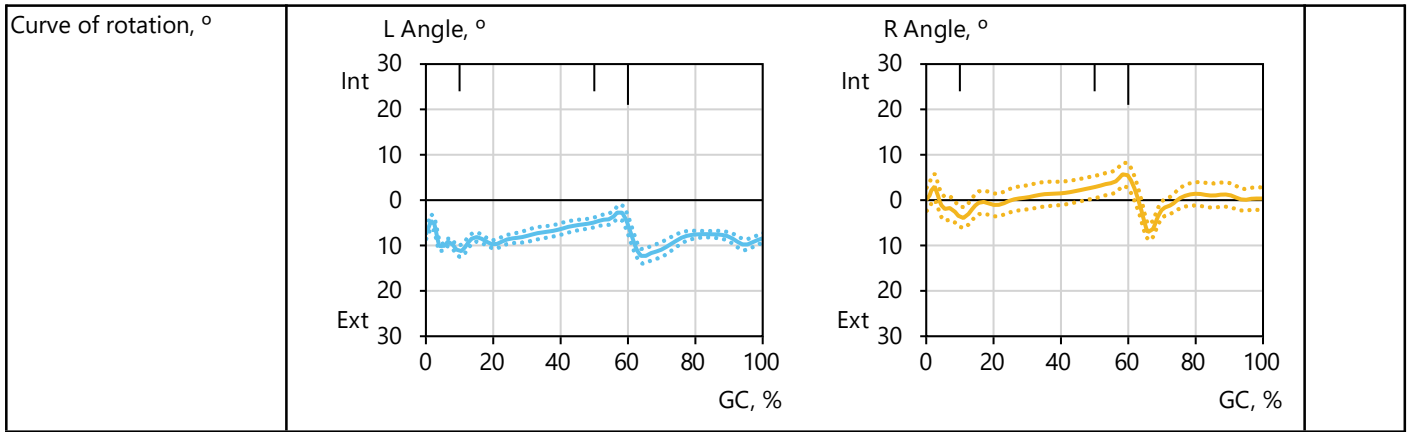
Kinematic parameters, Knee joint, Rotation		
Rotation amplitude, °	L 12 R 19	$\Delta = 7$
Maximum external rotation phase, %	L 2 R 70	$\Delta = 32$
Maximum external rotation amplitude, °	L 4 R 11	$\Delta = 7$
Maximum internal rotation phase, %	L 23 R 94	$\Delta = 29$
Maximum internal rotation amplitude, °	L 7 R 9	$\Delta = 2$
Curve of rotation, °	<p>L Angle, °</p> <p>Int 40 20 0 Ext 20 40</p> <p>GC, %</p> <p>R Angle, °</p> <p>Int 40 20 0 Ext 20 40</p> <p>GC, %</p>	

Kinematic parameters, Knee joint, Adduction / abduction		
Adduction / abduction amplitude, °	L 11 R 7	$\Delta = 4$
Maximum abduction phase, %	L 81 R 32	$\Delta = 49$
Maximum abduction amplitude, °	L 6 R 3	$\Delta = 3$
Maximum adduction phase, %	L 3 R 71	$\Delta = 32$
Maximum adduction amplitude, °	L 5 R 10	$\Delta = 5$



Kinematic parameters, Ankle joint, Flexion / extension			
Flexion / extension amplitude, °	L 25	R 28	$\Delta = 3$
Maximum extension phase, %	L 62	R 65	$\Delta = 3$
Maximum extension amplitude, °	L 13	R 13	$\Delta = 0$
Maximum flexion phase, %	L 44	R 44	$\Delta = 0$
Maximum flexion amplitude, °	L 12	R 14	$\Delta = 2$
Curve of flexion / extension, °	L Angle, °	R Angle, °	

Kinematic parameters, Ankle joint, Rotation			
Rotation amplitude, °	L 10	R 13	$\Delta = 3$
Maximum external rotation phase, %	L 64	R 66	$\Delta = 2$
Maximum external rotation amplitude, °	L 12	R 7	$\Delta = 5$
Maximum internal rotation phase, %	L 58	R 59	$\Delta = 1$
Maximum internal rotation amplitude, °	L 2	R 6	$\Delta = 4$



Kinematic parameters, Ankle joint, Adduction / abduction			
Adduction / abduction amplitude, °	L 25	R 25	$\Delta = 0$
Maximum abduction phase, %	L 97	R 97	$\Delta = 0$
Maximum abduction amplitude, °	L 15	R 10	$\Delta = 5$
Maximum adduction phase, %	L 71	R 70	$\Delta = 1$
Maximum adduction amplitude, °	L 10	R 15	$\Delta = 5$
Curve of adduction / abduction, °	<p>L Angle, °</p> <p>R Angle, °</p>		

EMG, Tibialis anterior			
RMS EMG amplitude, μV	L 153	R 162	$\Delta = 9$
Phase of RMS EMG maximum, %	L 95,5	R 2,5	$\Delta = 7,0$

