Report: Gait Analysis

First Name:	Max	Date of Birth:	1993-08-13	Therapist:	_____	Analysis Type:	Gait Analysis
Last Name:	Mustermann	Height:	180 cm	Analysis Date:	2023-06-30	Print Date:	2023-07-11
Patient Nr.:	59	Gender:	Male				

98.6 %

Gait Symmetry SI

The gait symmetry indicates how symmetrical the movement of the patient is. The higher the value, the better.

3.9 km/h

Gait Speed (km/h)

The gait speed indicates how fast the patient was moving during the analysis.

105 Steps/min

Cadence (Steps/min)

The gait cadence indicates the total number of steps taken within a minute during the analysis.

25 %

Double Support (%)

The gait double support indicates Proportion of time that both feet of the patient are on the ground during the analysis.

Analysis Notes:

Treatment (30-year-old male patient) due to a swollen right knee joint after slipping and impact trauma without known previous damage. Before the accident, the patient was symptom-free. The patient is active in sports and is a passionate skier and climber. He goes jogging up to 4 times a week.

Report generated for:

OPED GmbH
Medizinpark 1
83626 Valley/Oberlaindern
Germany

Signature

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Analysis Details

Metric Name	Measured Value	Reference Value	Description
Number of Steps	7	-	The number of steps the patient has made during the analysis.
Gait Symmetry SI	98.6 %	90 - 100 %	The gait symmetry indicates how symmetrical the movement of the patient is. The higher the value, the better.
Gait Speed (km/h)	3.9 km/h	3.38 - 4.25 km/h	The gait speed indicates how fast the patient was moving during the analysis.
Double Support (%)	25 %	25 - 40 %	The gait double support indicates Proportion of time that both feet of the patient are on the ground during the analysis.
Gait Variability Left (%)	1.6 %	1.3 - 5 %	The gait Variability Left indicates step-to-step fluctuation of left leg during the analysis.
Gait Variability Right (%)	3.2 %	3.1 - 5 %	The gait Variability Right indicates step-to-step fluctuation of Right leg during the analysis.
Cadence (Steps/min)	105 Steps/min	90 - 115 Steps/min	The gait cadence indicates the total number of steps taken within a minute during the analysis.
Step Length (cm)	61 cm	55 - 80 cm	The gait step length indicates the average distance between the point of initial contact of one foot to the point of initial contact of the another foot during the analysis.
Step Times (s)	0.53 s	0.51 - 0.65 s	The gait Step time indicates the average time elapsed from initial contact of one foot to initial contact of the another foot during the analysis.
Stride Length (cm)	130.8 cm	110 - 160 cm	The gait stride length indicates the average distance between successive points of initial contact of the same foot during the analysis.
Stance Time (%)	64.5 cm	55 - 65 cm	The gait stance time indicates the average percentage of time during which the reference foot is in contact with the ground during the analysis.
Swing Time (%)	35.5 cm	35 - 45 cm	The gait swing time indicates the average percentage of time during which the reference foot is in the air during the analysis.

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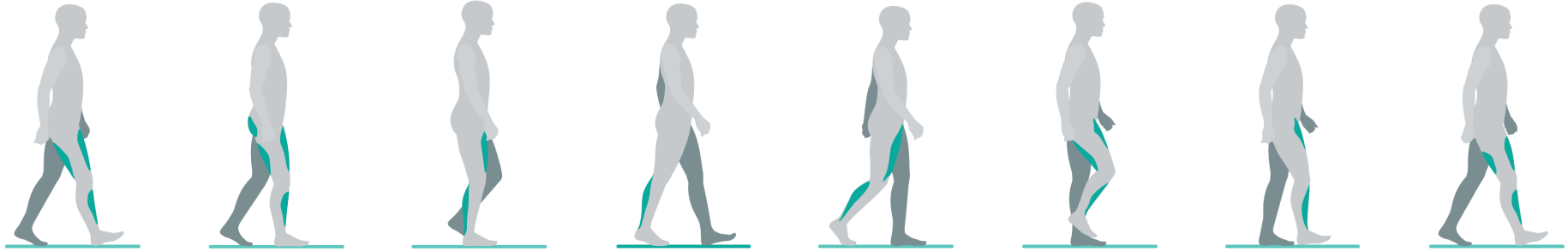
Phases of the Gait Cycle: Right Leg



	Initial Contact	Loading Response	Mid Stance	Terminal Stance	Pre Swing	Initial Swing	Mid Swing	Terminal Swing
Hip	19.2°	18.8°	-14.8°	-23.3°	-6.8°	9.4°	32.4°	29.0°
	19° 29°	10° 20°	17° -7°	-29° -19°	-18° -2°	2° 24°	22° 37°	15° 31°
Knee	7.8°	14.5°	7.2°	8.1°	57.2°	69.9°	40.7°	1.6°
	2° 10°	10° 16°	2° 10°	4° 14°	43° 53°	62° 75°	24° 35°	2° 14°
Ankle	-5.8°	-4.9°	-11.4°	-16.7°	8.4°	4.3°	-4.2°	-10.5°
	-5° 5°	0° 10°	-10° 0°	-15° -5°	10° 20°	-5° 5°	-5° 5°	-5° 5°