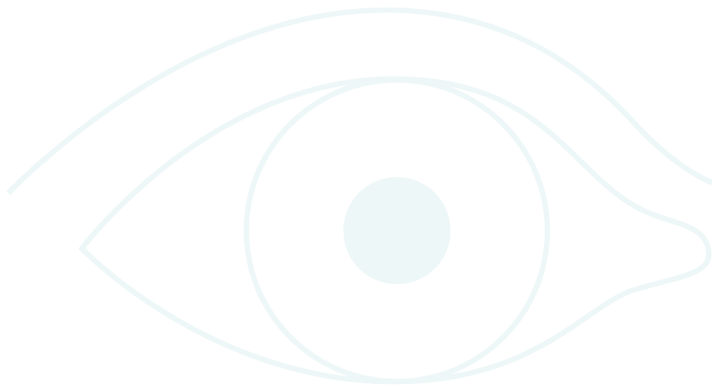


Medizin  
Rehabilitation  
Sport



## 3D Ganganalyse-Bericht Max Mustermann



### Bewegungsanalyse

Kinematik  
Kinetik  
EMG

### Leistungsdiagnostik

Funktionsanalyse WS  
Sprungkrafttest  
Koordinationstest

### Physiotherapie

Manuelle Therapie  
Massage  
Prävention

**Reha Zentrum**  
Schwäbisch Gmünd  
Bocksgasse 2  
73525 Schwäbisch Gmünd

[www.rehazentrum-eisele.de](http://www.rehazentrum-eisele.de)  
e-mail [reha@wernereisele.de](mailto:reha@wernereisele.de)  
Telefon 07171 – 929327  
Fax 07171 – 929328

reha  zentrum

## Untersuchungsdaten

Patient	Mustermann, Max
Geburtsdatum	1.1.2007
Geschlecht	männlich
Gewicht	73.5 kg
Größe	1.77 m
Untersuchungsdatum	1.1.2007
Bearbeiter	Reha Zentrum Schwäbisch Gmünd, Werner Eisele

## Anamnese

peroneusparese rechts ( mit chronisch rez. patellasehnensyndrom - JUMPER ´s LEG )

## Analyseparameter

Gangparameter	Rechts	Links	Diff.
Geschwindigkeit [m/s]	1.263	1.262	0.001
Einzelstrittlänge [m]	0.654	0.64	0.014
Doppelschrittlänge [m]	1.294	1.284	0.010
Kadenz (Schritte/min)	115.385	107.143	8.242
Spurbreite [m]		0.126	
Zyklusdauer [s]	1.08	1.06	0.020

Gangphasenparameter	Rechts	Links	Diff.
Standphase Dauer [%]	68.519	69.811	1.293
Schwungphase Dauer [%]	31.481	30.189	1.293
Doppelunterstützung [%]	16.667	20.755	4.088
Einzelunterstützung [%]	29.630	32.075	2.446

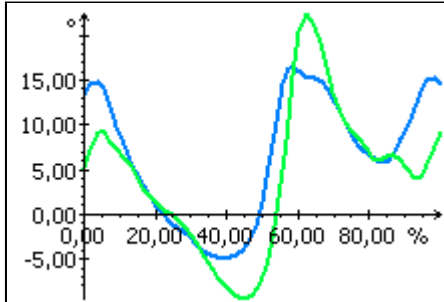
Anthropometrie	Rechts	Links	Diff.
Länge Oberschenkel [m]	0.450	0.462	0.012
Länge Unterschenkel [m]	0.417	0.421	0.004
Beinlänge [m]	0.867	0.883	0.016

## Befund

Legende: blau: rechts ; grün: links

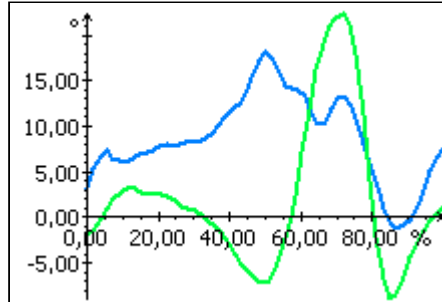
## Sagittalebene

Sprunggelenk Plantar-/Dorsalflexion



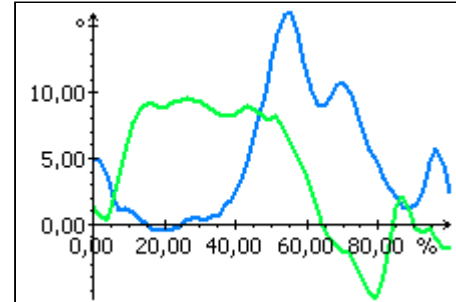
## Frontalebene

Sprunggelenk Inversion/Eversion

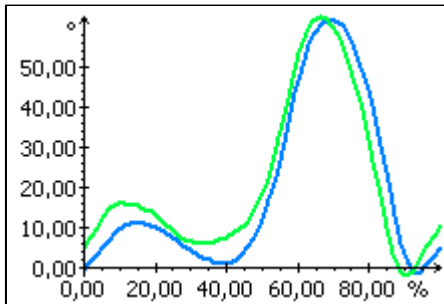


## Transversalebene

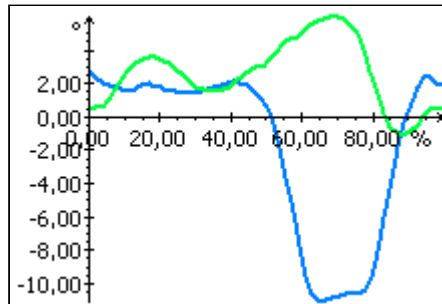
Sprunggelenk Abduktion/Adduktion



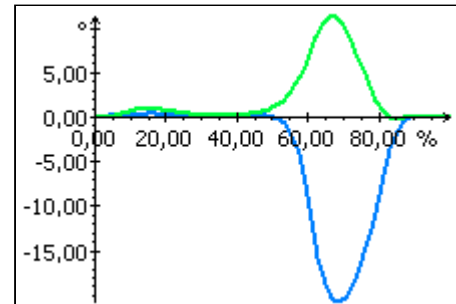
Kniegelenk Flexion/Extension



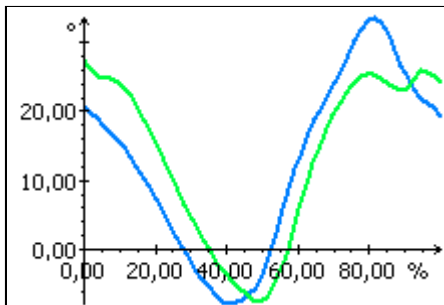
Kniegelenk Abduktion/Adduktion



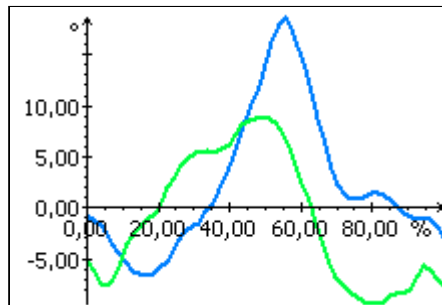
Kniegelenk außen/innen Rotation



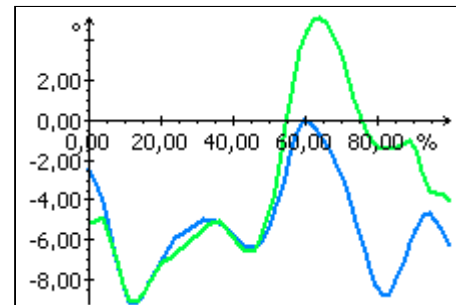
Hüftgelenk Flexion/Extension



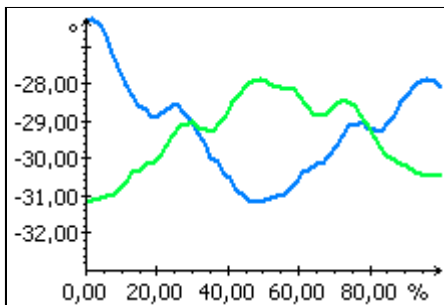
Hüftgelenk Abduktion/Adduktion



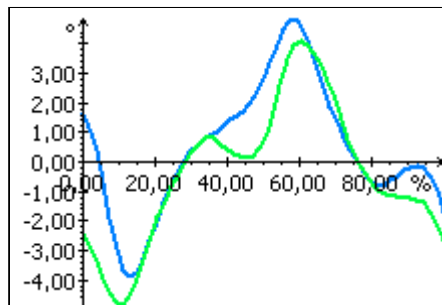
Hüftgelenk außen/innen Rotation



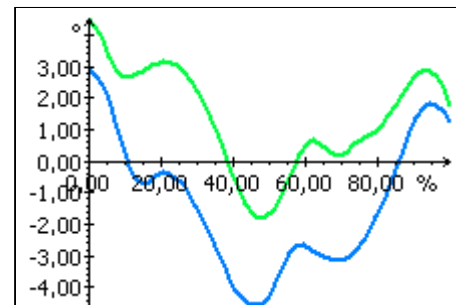
Beckenkipfung (posterior/anterior)



Beckenschiefstand (inferior/superior)



Beckenrotation (anterior/posterior)



**Gelenkwinkel zu den Zeitpunkten der verschiedenen Schrittphasen**

Rechtes Bein		IC		LR		MSt1		MSt2		TSt		PSw		ISw		MSw		TSw	
		IC	LW	LR	LW	MSt1	LW	MSt2	LW	TSt	LW	PSw	LW	ISw	LW	MSw	LW	TSw	LW
Sprung- gelenk	Inv./Ev. [°]	3.1	Inv.	6.3	-5°	7.7	Ev.	9.4	Ev.	13.5		14.3		12.0		-0.8		1.2	
	Abd./Add. [°]	4.8		1.2		-0.5		0.8		5.9		16.0		10.6		2.0		2.8	
	P-Flex./D-Flex [°]	13.5	0°	9.9	5°	0.8	7°	-4.5	-5°	-4.1	-10°	14.5	15°	13.8	5°	6.1	0°	11.9	0°
Knie- gelenk	Abd./Add. [°]	2.7		1.6		1.7		1.8		1.9		-3.7		-10.8		-3.7		1.8	
	A-Rot/I-Rot [°]	0.0		0.3		0.3		0.1		0.1		-2.0		-20.7		-1.5		0.0	
	Flex./Ext. [°]	-0.3	5°	9.0	15°	10.0	5°	1.8	5°	3.4	5°	28.8	40°	61.6	60°	21.7	25°	-1.3	0-5°
Hüft- gelenk	Abd./Add. [°]	-0.7		-4.6		-5.9		0.4		8.5		18.6		3.8		0.7		-1.1	
	A-Rot/I-Rot [°]	-2.5		-8.2		-6.9		-5.0		-6.4		-1.8		-2.2		-8.0		-4.7	
	Flex./Ext. [°]	20.7	20°	16.0	20°	7.2	0°	-5.6	0°	-7.2	-20°	5.8	-10°	22.5	15°	31.2	25°	22.9	20°
Becken	Kippung [°] (anterior/posterior)	-26.3		-27.6		-28.8		-30.0		-31.0		-31.0		-29.9		-29.0		-28.0	
	Schiefst. [°] (inferior/superior)	1.6		-3.0		-2.0		0.9		1.7		4.5		1.9		-0.6		-0.1	
	Rotation [°] (anterior/posterior)	2.9		0.5		-0.4		-2.7		-4.5		-2.9		-3.1		-0.3		1.7	

Linkes Bein		IC		LR		MSt1		MSt2		TSt		PSw		ISw		MSw		TSw	
		IC	LW	LR	LW	MSt1	LW	MSt2	LW	TSt	LW	PSw	LW	ISw	LW	MSw	LW	TSw	LW
Sprung- gelenk	Inv./Ev. [°]	-2.0	Inv.	2.2	-5°	2.5	Ev.	-1.8	Ev.	-6.0		-0.8		21.8		-2.1		-2.8	
	Abd./Add. [°]	1.4		3.7		8.9		8.2		8.7		5.5		-1.9		-4.4		-0.6	
	P-Flex./D-Flex [°]	5.0	0°	8.1	5°	1.0	7°	-7.3	-5°	-9.5	-10°	8.2	15°	13.6	5°	6.3	0°	4.1	0°
Knie- gelenk	Abd./Add. [°]	0.5		1.7		3.4		1.7		2.7		4.6		6.0		1.4		-0.5	
	A-Rot/I-Rot [°]	0.0		0.5		0.7		0.2		0.5		3.8		10.4		0.7		0.0	
	Flex./Ext. [°]	5.0	5°	15.1	15°	12.4	5°	6.8	5°	11.2	5°	39.7	40°	60.0	60°	26.5	25°	-0.3	0-5°
Hüft- gelenk	Abd./Add. [°]	-5.0		-7.0		0.5		5.7		8.6		6.0		-6.8		-9.4		-6.7	
	A-Rot/I-Rot [°]	5.2		7.0		7.0		5.4		6.6		-1.9		-3.3		1.4		2.5	
	Flex./Ext. [°]	27.3	20°	24.6	20°	14.8	0°	-2.2	0°	-6.5	-20°	-0.8	-10°	19.5	15°	25.3	25°	24.8	20°
Becken	Kippung [°] (posterior/anterior)	-31.2		-31.0		-29.9		-29.0		-28.0		-28.2		-28.6		-29.5		-30.4	
	Schiefst. [°] (inferior/superior)	-2.4		-4.5		-1.9		0.6		0.1		3.5		2.1		-0.9		-1.3	
	Rotation [°] (posterior/anterior)	4.5		2.9		3.1		0.3		-1.7		-0.3		0.2		1.2		2.8	

\* Leitwerte (LW) nach Götz Neumann

**Rechtes Bein**

Initial Contact



Loading Response



Mid Stance (early)



**Linkes Bein**

Initial Contact



Loading Response



Mid Stance (early)



**Rechtes Bein**

Mid Stance (late)



**Linkes Bein**

Mid Stance (late)



Terminal Stance



Terminal Stance



Pre-Swing



Pre-Swing



**Rechtes Bein**

Initial Swing



Mid Swing



Terminal Swing



**Linkes Bein**

Initial Swing



Mid Swing



Terminal Swing

