

**Comment** Niemeyer01-EN.ult

As a contrast to Edwin we show here an Ultraflex CDG recording for a subject having a Sudeck atrophy on the lower left extremity.

When you look at the summed forces in the Forcegraphics, you see, apart from the partial load bearing on the left foot, hardly any left/right differences.

When you now compare the lateral midfoot sensors (sensor 4), the difference is obvious.

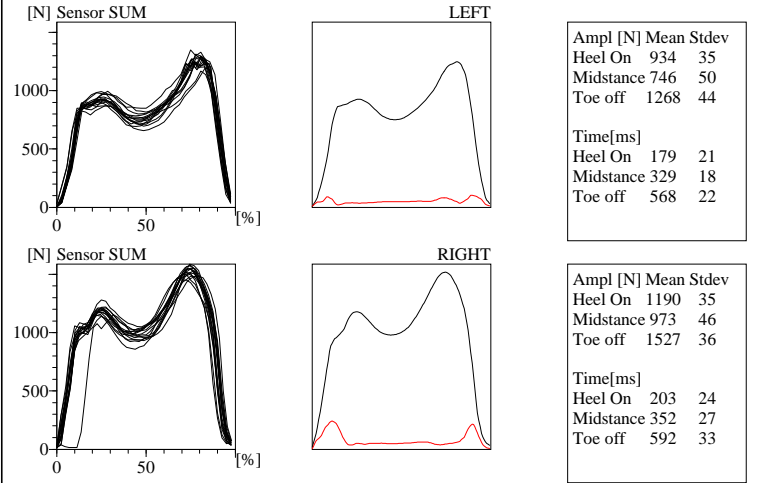
The same is seen in the Histogram: load distribution on the right is normal, whereas on the left the load is concentrated on the lateral midfoot.

In the Gaitline, you see why recording the natural variations is so important: on the affected side, there are hardly any variations, while on the right side, the normal variations are present.

This is a recurring phenomenon: in many afflictions, the affected side shows a stereotypical picture, because the movement apparatus cannot generate the normal

In the Cyclogram, it is shown that load transfer from left to right is disturbed. Instead of the normal rolling pattern, the load is transferred earlier.

**CDG Forcegraphics (Mean)** Niemeyer01-EN.ult

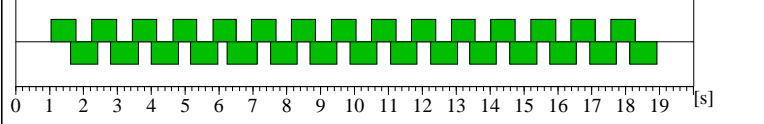


**CDG Steptimes** Niemeyer01-EN.ult

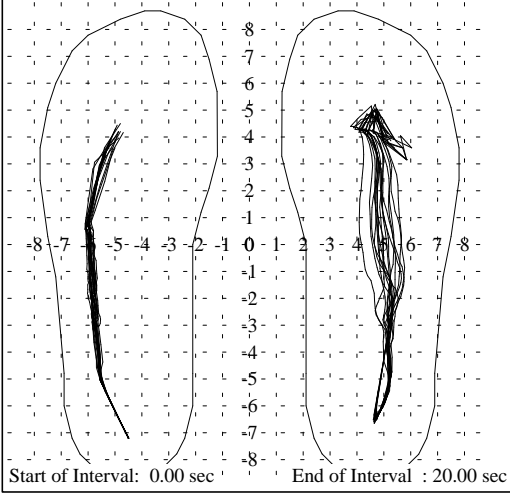
Name	Norm	Value	Name	Value
Velocity [km/hr]	3.00-3.60		Threshold [N]	32
Cycle [s]	1.00-1.30	1.18	Distance [m]	0.0
Freq. [1/min]	100-126	102	Begin [s]	0.00
Symm. L/R	0.90-1.10	<b>0.86</b>	End [s]	20.00
Stride length [m]				

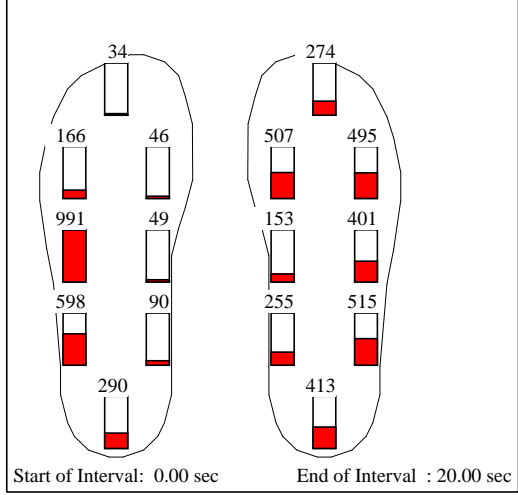
Name	Norm	Left	Right	Symm	SD L	SD R
Single supp. [s]	0.40-0.60	<b>0.381</b>	0.464	0.822	0.031	0.011
Double supp. [s]	0.10-0.20	0.164	0.172	0.953	0.011	0.025
Single swing [s]	0.40-0.60	0.464	<b>0.381</b>	1.217	0.011	0.031
Double swing [s]	0.00-0.50					
Stance [s]	0.60-0.80	0.717	0.800	0.897	0.016	0.024
Steptime [s]	0.50-0.70	0.545	0.636	0.857	0.036	0.026



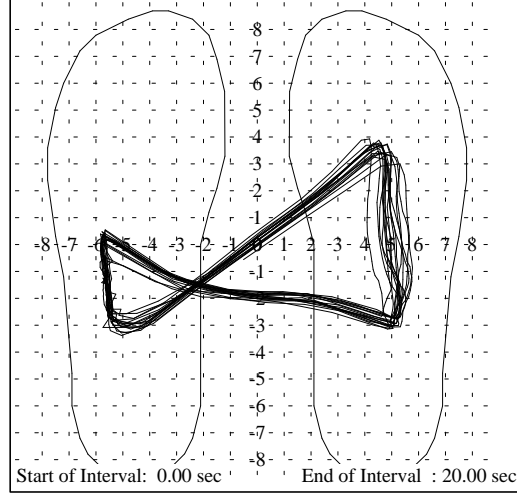
**CDG Gaitline**



**CDG Histogram (Max)**



**CDG Cyclogram**



**CDG Forcegraphics**

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