

# Motion Analysis Report



## Gait Analysis Report

Surname , Name	Lyda, Marc
Analysis date	11/14/2011
Sex	M
Size [m]	0.00
Weight [kg]	0.00
Birthday	11/14/2011
Treadmill speed [km/h]	5.00
Analysed side	Left
Technician	
Location of Examination	

Angle parameter	Assessment value *	Minimum	Maximum
Knee angle [°]	0° --- 70°	1.20	74.56
Hip angle [°]	-10° --- 30°	-18.85	28.21
Ankle angle [°]	-20° --- 10°	-18.66	13.09
Trunk angle [°]		-8.17	7.41

Phase parameters 1**	Assessment value *	Result
Double step length [m]	1,41m	1.54
Maximum knee extension at % of step cycle	95% - 100%	76.87

Phase parameters 2**	Assessment value *	Value
Stance phase [%]	60%	73.13
Swing phase [%]	40%	26.87

Shock absorption**	Result
Total [°]	42.45
Knee angle [°]	20.92
Hip angle [°]	21.12
Ankle angle [°]	0.41

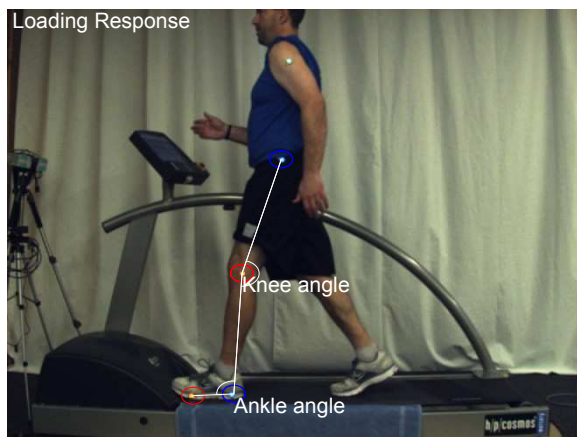
Note:

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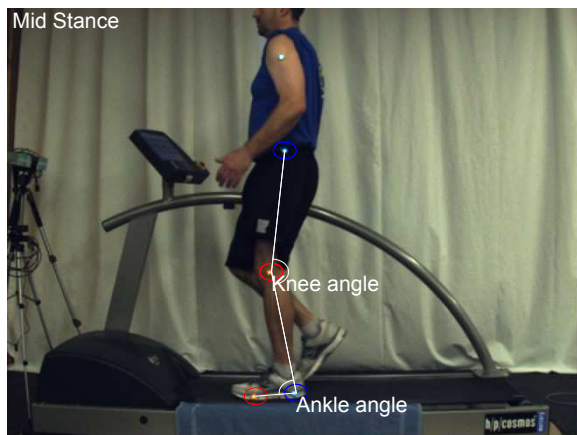
## Initial Contact

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	30°	21.12
Knee [Flex(+)/Ext(-)]	0°	6.82
Ankle [PF(-)/DF(+)]	0°	-0.42



## Loading Response

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	30°	18.92
Knee [Flex(+)/Ext(-)]	15°	15.35
Ankle [PF(-)/DF(+)]	-10°	-6.37



## Mid stance

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	0°	6.87
Knee [Flex(+)/Ext(-)]	0°	18.31
Ankle [PF(-)/DF(+)]	5°	6.76

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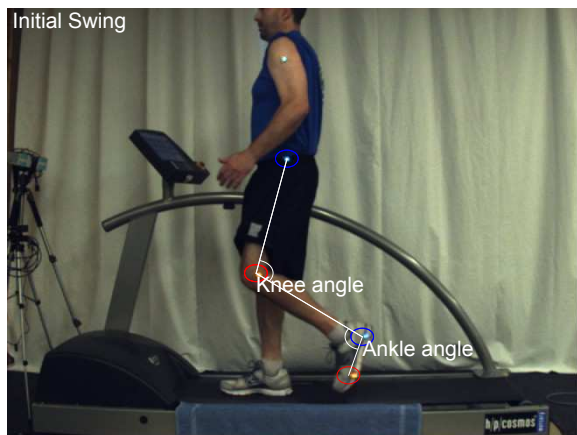
## Terminal Stance

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	-20°	-4.04
Knee [Flex(+)/Ext(-)]	0°	51.12
Ankle [PF(-)/DF(+)]	10°	-10.14



## Pre swing

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	-10°	9.54
Knee [Flex(+)/Ext(-)]	40°	71.52
Ankle [PF(-)/DF(+)]	-20°	-18.16



## Initial Swing

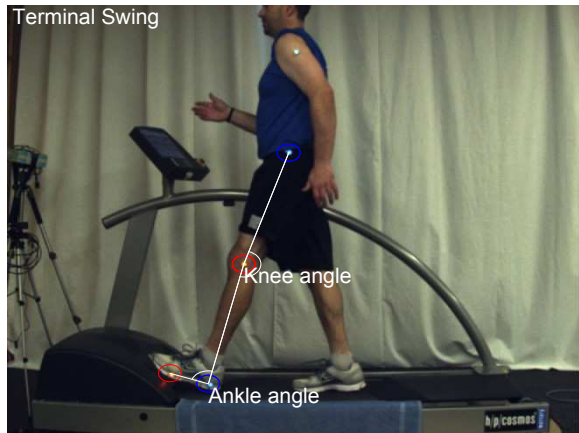
Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	20°	15.48
Knee [Flex(+)/Ext(-)]	60°	74.26
Ankle [PF(-)/DF(+)]	-5°	-10.96

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## Mid Swing

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	30°	---
Knee [Flex(+)/Ext(-)]	30°	---
Ankle [PF(-)/DF(+)]	0°	-2.46

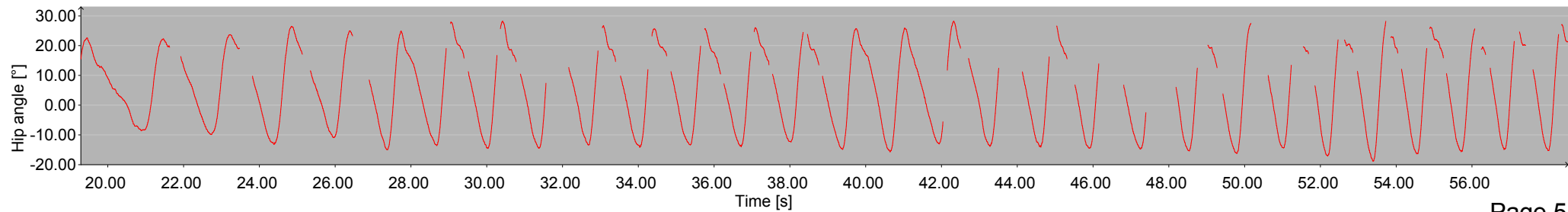
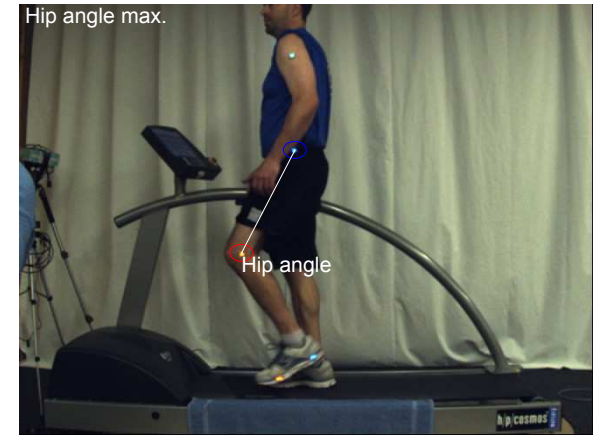
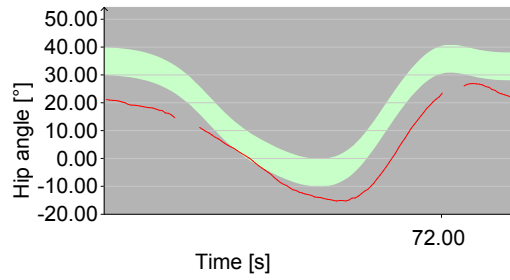
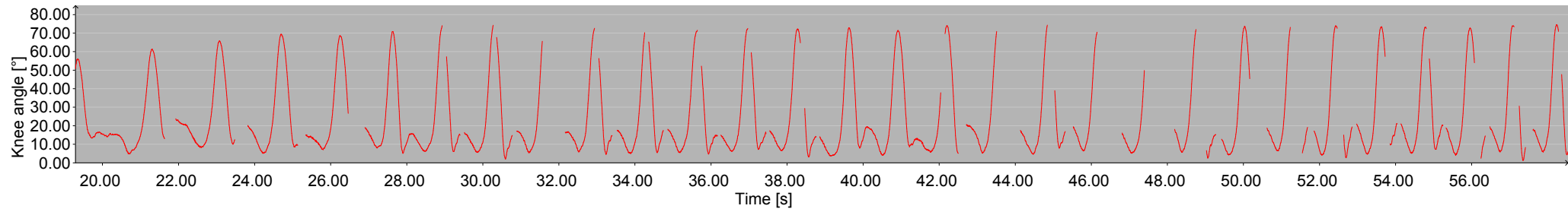
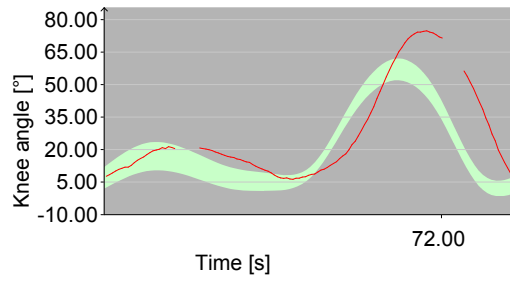


## Terminal Swing

Joint	Assessment value *	Actual value
Hip [Flex(+)/Ext(-)]	30°	22.02
Knee [Flex(+)/Ext(-)]	0°	5.39
Ankle [PF(-)/DF(+)]	0°	-1.19

\*specified by MPI at free gait speed, phase ending

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