Report Analisi Gait SCHEINWORKS

Persona: Fabio x, 12/10/2016, Maschio
Registrazione: 06/10/2016 11:38, Gait Analysis

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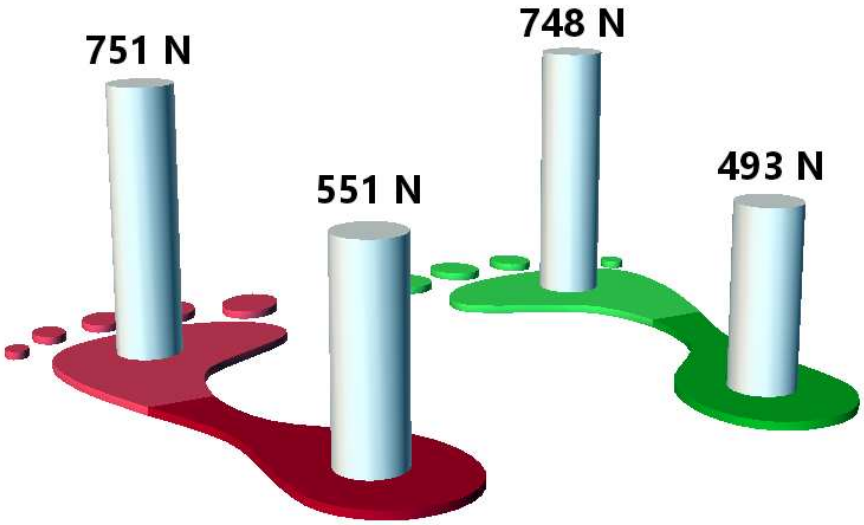
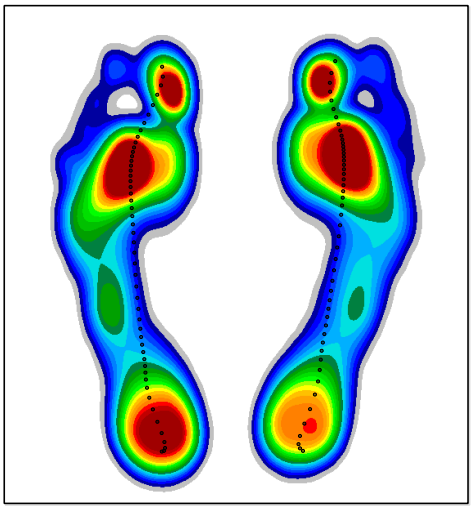
Force forefoot/backfoot

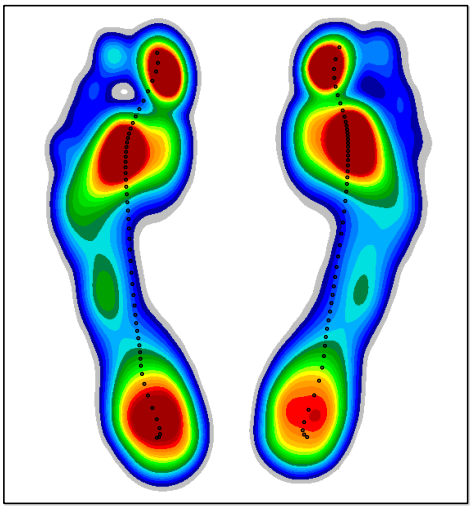


Tracciati pressori

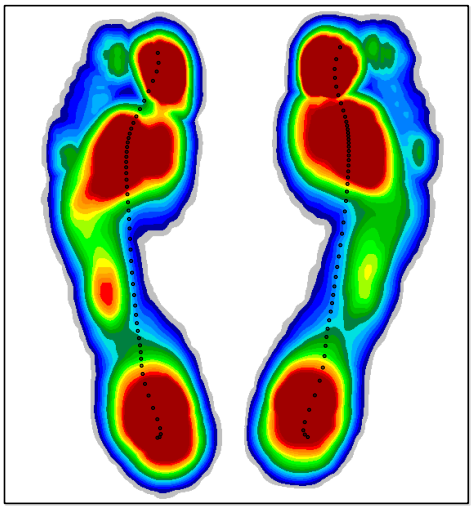
Media supporto singolo

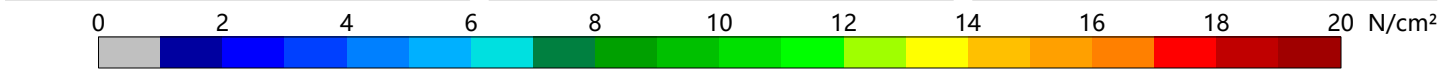


Analisi statica, media



Fase statica, massima





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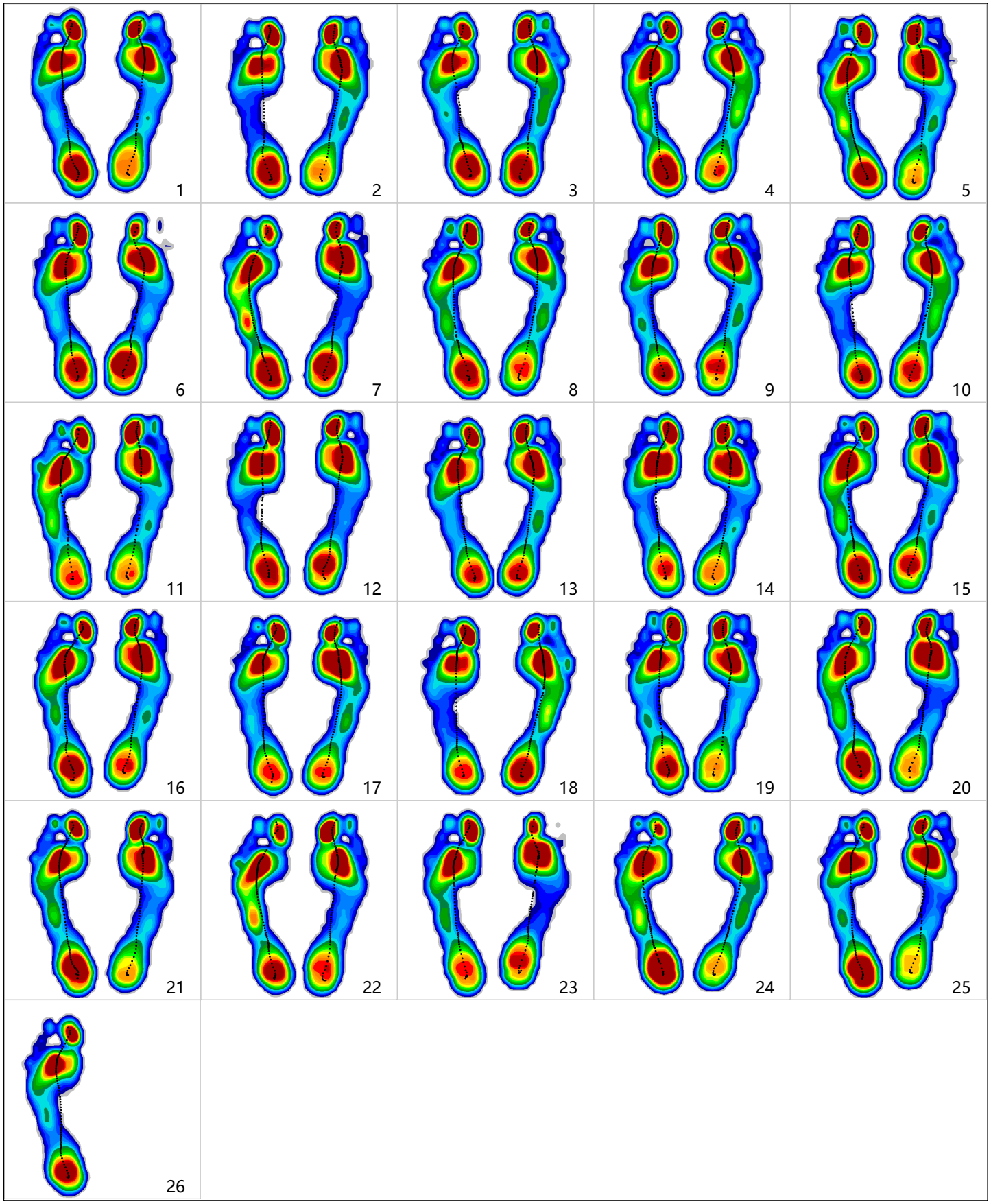
Separa impronte



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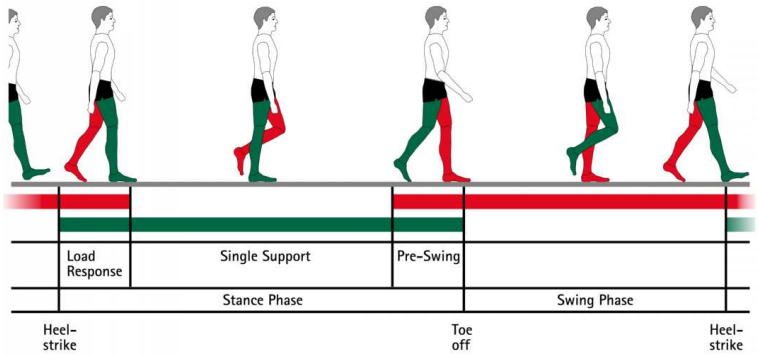
Parametri Gait



Geometria

Rotazione piede, Gradi	L	7,9±1,7	-20° 20°
	R	14,0±1,9	
Lunghezza passo, cm	L	49±2	130 cm
	R	51±1	
Lunghezza Stride (falcata), cm		100±3	130 cm
Larghezza passo, cm		12±2	

Fasi

Fase Statica, %	L	65,4±1,8	100 %
	R	66,2±1,6	
Risposta di carico, %	L	15,4±1,3	
	R	16,0±1,3	
Centro della fase statica, %	L	33,9±1,4	
	R	34,7±1,7	
Pre-Swing, %	L	16,1±1,3	
	R	15,4±1,2	
Swing Phase, %	L	34,6±1,8	
	R	33,8±1,6	
Doppia fase statica, %		31,4±1,6	

Timing

Tempo passo, Sec	L	0,60±0,02	1.5 Sec
	R	0,58±0,02	
Tempo Stride (falcata), Sec		1,18±0,03	1.5 Sec
Cadenza, Passi/min		102±2	130 Passi/min
Velocità, km/h		3,0±0,0	4 km/h

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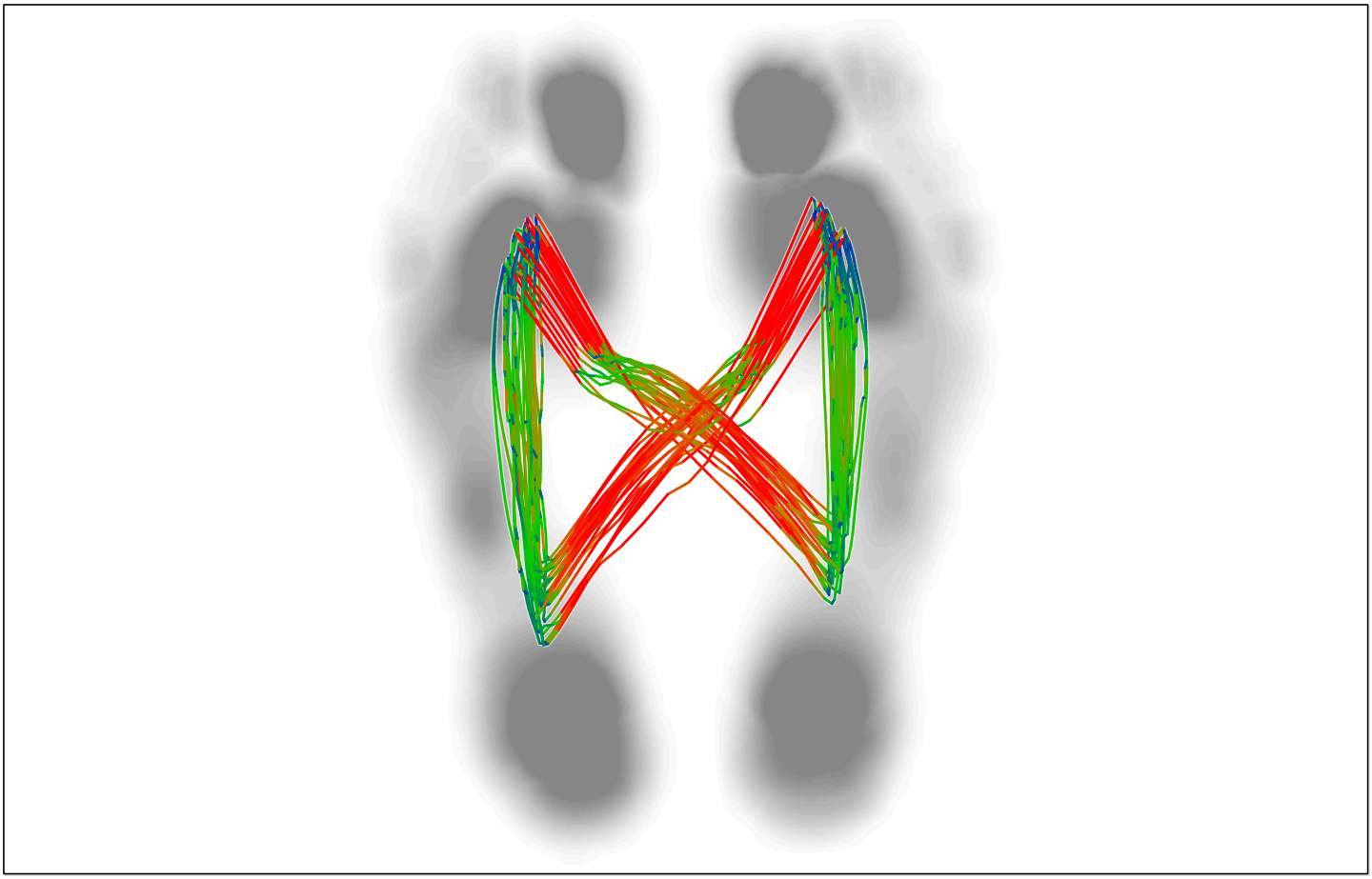
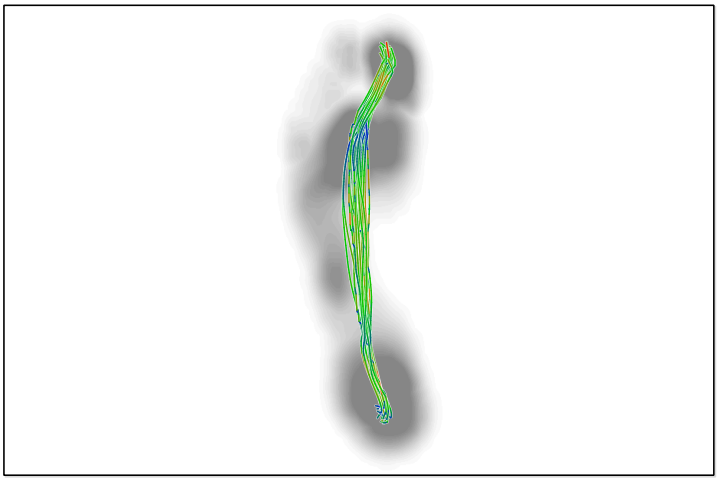
Analisi COP

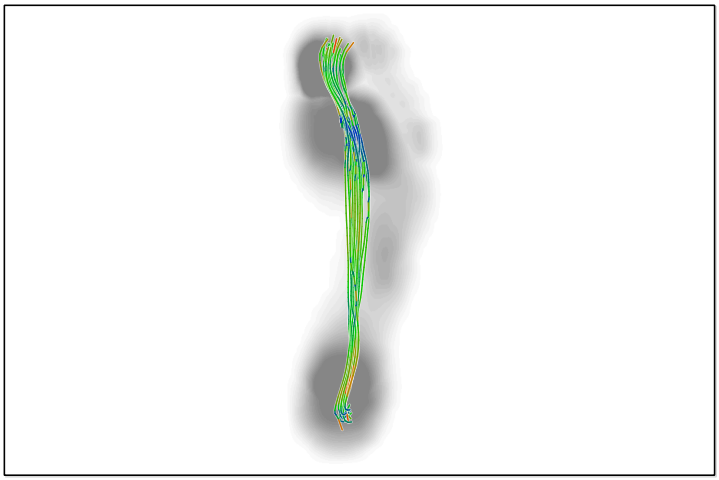
Ciclogramma Butterfly



Linea Gait sinistra



Linea Gait destra



Parametri Ciclogramma Butterfly

Lunghezza della gait line, mm	L	252,9±4,8	400 mm
	R	255,8±5,5	
Linea supporto singolo, mm	L	131,8±7,4	
	R	123,0±9,8	
Posizione Ant./Post., mm		169,8±4,8	
Simmetria laterale, mm		3,5±6,1	-200 mm 200 mm
Max gait line velocity, cm/sec		116,7	

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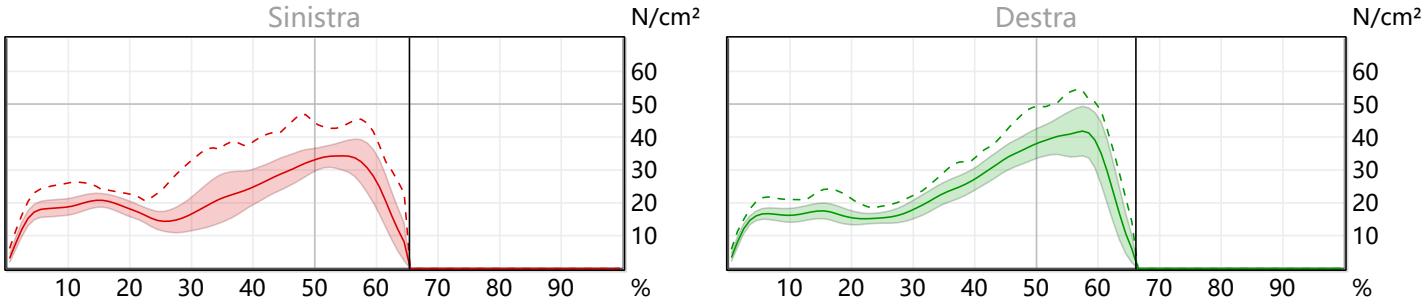
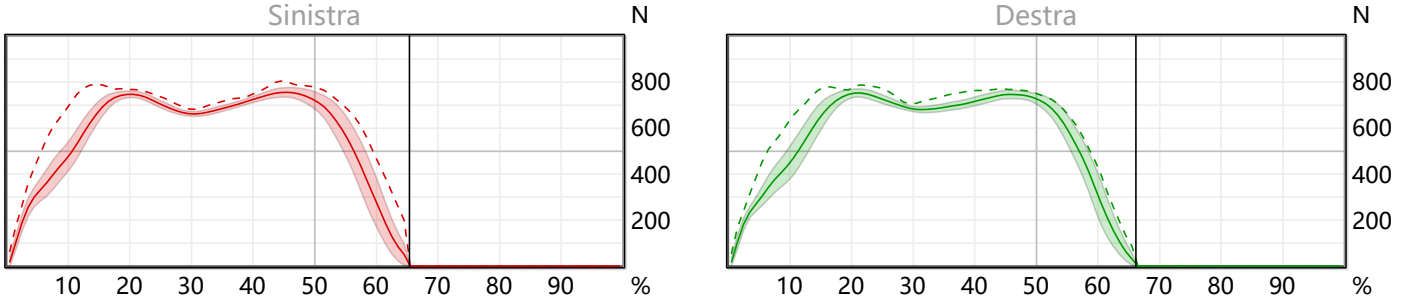
Forza e pressione

Curve pressorie



Curve di forza

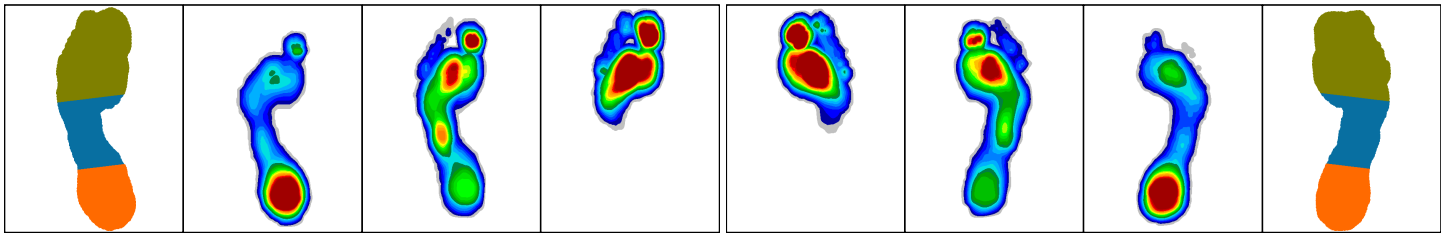


Parametri della forza

Forza massima1, N	L	746,8	1000 N
	R	752,6	
Tempo forza massimale1 (t1), %	L	20	100%
	R	21	
Forza massima2, N	L	755,6	1000 N
	R	746,4	
Tempo forza massimale2 (t2), %	L	45	100%
	R	45	

Analisi delle 3 zone del piede

Zona	Tallone Forza max T1	Mesopiede (t1+t2)/2	Avampiede Forza max T2	Avampiede Forza max T2	Mesopiede (t1+t2)/2	Tallone Forza max T1	Zona



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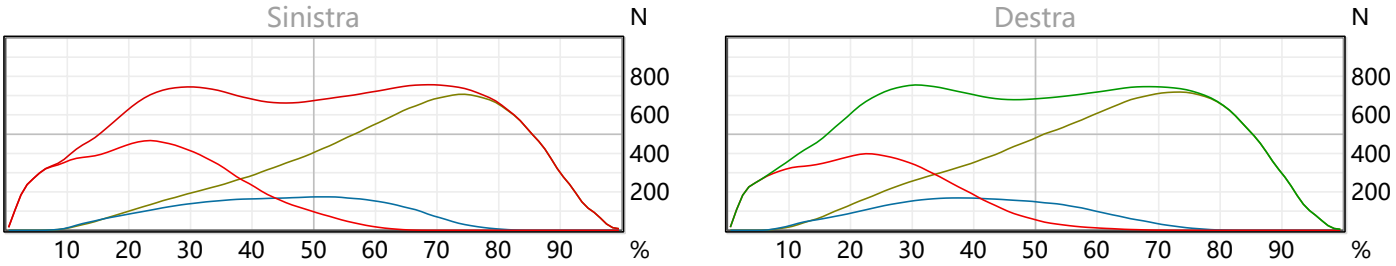
3 Zone - curve di forza



Variazione di carico

Tempo di cambio tallone/avampiede, Sec	L	0,30±0,03	0.4 Sec
	R	0,26±0,03	
Tempo di cambio tallone/avampiede, %	L	38,5±4,4	100%
	R	34,0±4,6	

Forza massima, N

Avampiede	L	716,0±23,1	1.0e3 N
	R	727,8±21,4	
Mesopiede	L	196,1±50,1	
	R	179,7±34,9	
Tallone	L	474,5±37,4	
	R	413,0±47,1	

Massimo della pressione, N/cm²

Avampiede	L	37,2±4,5	70 N/cm²
	R	45,5±6,3	
Mesopiede	L	10,5±2,9	
	R	9,5±1,3	
Tallone	L	21,3±2,2	
	R	18,5±2,2	

Tempo forza massimale, % fase statica

Avampiede	L	73,1±2,4	100%
	R	72,5±3,2	
Mesopiede	L	50,1±9,4	
	R	41,8±9,0	
Tallone	L	23,4±2,0	
	R	23,2±3,1	

Tempo di contatto, % fase statica

Avampiede	L	90,4±1,0	100%
	R	91,3±0,8	
Mesopiede	L	74,4±1,9	
	R	73,3±2,1	
Tallone	L	59,5±5,4	
	R	55,8±5,9	

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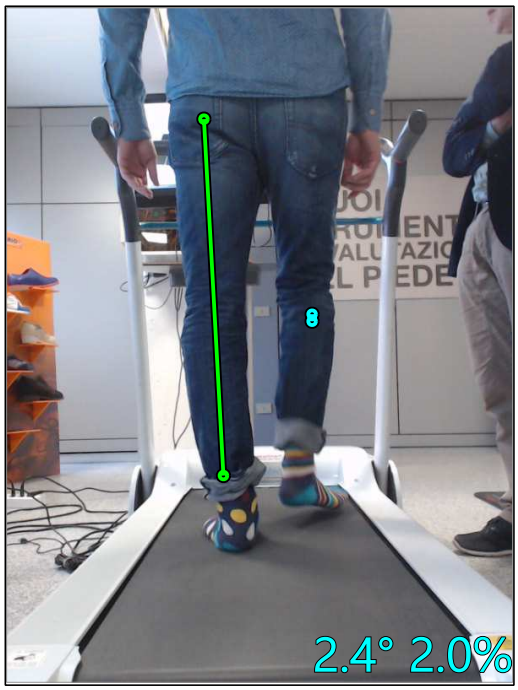
Video

Foto marcate

SYNCCam



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