

Gait characteristics associated with the foot and ankle in inflammatory arthritis: a systematic review and meta-analysis

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Additional File 6: Plantar pressure gait parameters measured and methods of data acquisition

Author	Condition	Acquisition system	Parameters measured
Bowen (1)	RA	In shoe pressure system	Peak plantar pressure forefoot
Yavuz (2)	RA	Custom device	Peak plantar pressure (1 st metatarsal head, hallux, lesser digits); Pressure Time Integral (1 st metatarsal head, hallux)
Schmiegel (3)	RA	Plantar pressure plate	Peak plantar pressure (hindfoot, midfoot, metatarsal 1, 2, 3-5, hallux, 2 nd toe, toes 3-5)
Schmiegel (4)	RA	Plantar pressure plate	Peak plantar pressure (hindfoot, midfoot, metatarsal 1, 2, 3-5, hallux, 2 nd toe, toes 3-5)
Turner (5)	RA	Plantar pressure plate	Centre of pressure at 50% of foot length, lesser toe contact area, midfoot contact area, forefoot peak pressure
Turner (6)	RA	Plantar pressure plate	Centre of pressure at 50% of foot length, lesser toe contact area, midfoot contact area, forefoot peak pressure
Seiple (7)	RA	Plantar pressure plate	Velocity and duration centre of pressure
Rosenbaum (8)	RA	Plantar pressure plate	Peak plantar pressure (hindfoot, midfoot, metatarsal 1, 2, 3-5, hallux, 2 nd toe, toes 3-5)
Turner (9)	RA	Plantar pressure plate	Centre of pressure at 50% of foot length, lesser toe contact area, midfoot contact area, forefoot peak pressure
Tuna (10)	RA	Plantar pressure plate	Peak plantar pressure (hindfoot, midfoot, forefoot phalanx)
Otter (11)	RA	Plantar pressure plate	Peak plantar pressure (forefoot), force time integral (forefoot)
Turner (12)	RA	Plantar pressure plate	Peak plantar pressure and force, PTI & FTI, total contact area for hindfoot, midfoot forefoot, hallux & digits
O'Connell (13)	RA	Force plate system	Centre of pressure at 50% of foot length
Woodburn (14)	RA	In shoe pressure system	Peak plantar pressure (metatarsal heads 1-5)
Minns (15)	RA	Plantar pressure plate	NR
Rome (16)	Gout	In shoe pressure system	Peak plantar pressure (hindfoot, midfoot, 1 st , 2 nd , 3 rd , 4 th & 5 th metatarsal heads, hallux, toes 2-5)

RA = rheumatoid arthritis, PTI = pressure time integral, FTI = force time integral, NR = not reported

Additional File 6: Reference List

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