

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

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Additional File 3: Spatiotemporal gait parameters measured and methods of data acquisition

Author & reference	IA	Data acquisition method	Parameters measured
Dubbeldam (1)	RA	3D gait analysis	Walking velocity, cadence, stride time, double stance percentage, stride length, stride width, step length
Rome (2)	RA	Electronic Walkway	Walking velocity, cadence, gait cycle time, single support time, double limb support time, base of support
Eppeland (3)	RA	Electronic Walkway	Walking velocity, cadence, step length, stance phase duration, step width
Turner (4)	RA	Electronic Walkway	Walking velocity, double support time
Turner (5)	RA	Electronic Walkway	Walking velocity, double support time
Weiss (6)	RA	3D gait analysis	Walking velocity, cadence, stride length, step length, single support, double support
Turner (7)	RA	Electronic Walkway	Walking velocity, double support percentage
Turner (8)	RA	Electronic Walkway	Walking velocity, cadence, gait cycle time, stride length, double support time
Laroche (9)	RA	3D gait analysis	Walking velocity, stride length, walking frequency, stance phase duration, double stance phase duration
Khazzam (10)	RA	3D gait analysis	Walking velocity, stride length, cadence, stance duration
Semple (11)	RA	Electronic Walkway	Walking velocity
Laroche (12)	RA	3D gait analysis	Walking velocity, walking frequency, stride length, stance duration, double support phase duration
Woodburn (13)	RA	3D gait analysis	Walking velocity
O'Connell (14)	RA	Electronic Walkway	Walking velocity, cadence, stride length
Fransen (15)	RA	Electronic Walkway	Walking velocity, stride length, percentage double support time, stance phase percentage
Zebouni (16)	AS	Electronic Walkway	Contact time, stride length & stride frequency
Isacson (17)	RA	Electronic Walkway	Walking velocity, stride length, duration of gait cycle
Minns (18)	RA	Force sandals	Walking velocity, cadence, stride length, stride width
Simkin (19)	RA	Force plate	Walking velocity, stride frequency, stride length, stance time, swing time, double support period
Stauffer (20)	RA	Electronic Walkway	Walking velocity, cadence, stance phase percentage
Del Din (21)	AS	3D gait analysis	Walking velocity, stride period, stride length, stance period
Mangone (22)	AS	3D gait analysis	Walking velocity, cadence, stride length
Woodburn (23)	PsA	Electronic Walkway	Walking velocity
Rome (24)	Gout	Electronic Walkway	Walking velocity, cadence, step length, stride length, single leg support, double leg support, stance phase duration, swing phase duration

IA = inflammatory arthritis, RA = rheumatoid arthritis, AS = Ankylosing spondylitis, PsA = psoriatic arthritis.

Additional File 3: Reference List

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