	FAST/AD (n=72), a	FAST/IN (n=24), b	SLOW (n=64), c	F(2,157)	P(FDR)	post-hoc	η²
Mean age, years	59·88 (13·67)	66·96 (14·82)	69·28 (11·42)	9·294	<0·001	a<c	
Spatiotemporal parameters							
Gait speed (cm/second)	85·86 (16·78)	83·95 (10·47)	45·98 (14·18)	133·145	<0·001	a>c, b>c	0·629
Stride length, unaffected (cm)	98·90 (14·63)	93·56 (11·79)	66·51 (17·17)	79·786	<0·001	a<c, b<c	0·504
Stride length, affected (cm)	99·03 (14·66)	93·82 (11·22)	66·35 (16·56)	84·81	<0·001	a<c, b<c	0·519
Step length, unaffected (cm)	49·36 (7·97)	43·97 (7·17)	32·08 (12·00)	54·633	<0·001	a<c, b<c	0·41
Step length, affected (cm)	49·23 (9·83)	49·69 (9·50)	34·51 (11·64)	37·963	<0·001	a<c, b<c	0·326
Cadence (steps/minute)	103·79 (10·16)	107·57 (9·56)	83·40 (15·36)	57·262	<0·001	a>c, b>c	0·422
Initial double support, unaffected (seconds)	0·20 (0·08)	0·24 (0·11)	0·43 (0·28)	25·52	<0·001	a>c, b>c	0·245
Initial double support, affected (seconds)	0·18 (0·05)	0·19 (0·05)	0·36 (0·16)	47·254	<0·001	a>c, b>c	0·376
Single support, unaffected (seconds)	0·46 (0·13)	0·68 (0·12)	0·69 (0·28)	24·327	<0·001	a<b, a<c	0·237
Single support, affected (seconds)	0·42 (0·07)	0·48 (0·09)	0·54 (0·14)	23·028	<0·001	a<b, a<c, b<c	0·227
Terminal double support, unaffected (seconds)	0·19 (0·07)	0·23 (0·06)	0·38 (0·20)	32·429	<0·001	a<c, b<c	0·292
Terminal double support, affected (seconds)	0·19 (0·07)	0·20 (0·07)	0·35 (0·19)	29·403	<0·001	a<c, b<c	0·272
Kinematic paramteres (degrees)							
Stamce phase							
Hip extension, unaffected	-10·26 (8·10)	9·94 (12·68)	5·27 (14·82)	40·904	<0·001	a<b, a<c	0·343
Hip extension, affected	-10·83 (9·12)	11·61 (15·42)	6·59 (16·62)	39·321	<0·001	a<b, a<c	0·334
Knee flexion, unaffected	15·82 (9·26)	28·52 (5·99)	22·67 (15·02)	12·717	<0·001	a<b, a<c	0·139
Knee flexion, affected	15·63 (9·09)	27·91 (10·35)	22·29 (12·31)	14·086	<0·001	a<b, a<c	0·152
Ankle dorsiflexion, unaffected	18·08 (9·76)	13·95 (3·85)	18·14 (6·65)	2·806	0·1699		0·035
Ankle dorsiflexion, affected	15·90 (6·19)	14·08 (3·51)	19·18 (6·28)	8·511	0·0732	a<c, b<c	0·098
Swing phase							
Hip flexion, unaffected	30·73 (18·05)	43·41 (9·80)	34·29 (12·57)	6·451	<0·001	a<c, b>c	0·076
Hip flexion, affected	28·76 (11·60)	43·62 (11·73)	33·16 (14·36)	12·192	0·0025	a<c, b>c	0·134
Knee flexion, unaffected	53·64 (12·34)	66·40 (4·74)	49·66 (17·98)	12·15	<0·001	a<b, b>c	0·134
Knee flexion, affected	51·86 (13·48)	65·89 (6·13)	49·57 (17·21)	11·702	<0·001	a<b, b>c	0·13
Ankle dorsiflexion, unaffected	6·09 (10·31)	11·12 (6·78)	11·63 (8·89)	6·69	0·015	a<c	0·079
Ankle dorsiflexion, affected	6·50 (18·95)	8·73 (7·35)	11·26 (8·68)	1·913	0·0025		0·024
Kinetic parameters							
Moment (Nm/kg)							
Hip extension, unaffected	0·87 (0·84)	0·82 (0·46)	0·92 (1·24)	0·106	<0·001		0·001
Hip extension, affected	0·96 (0·74)	0·73 (0·45)	0·46 (0·65)	9·733	0·899	a>c	0·11
Knee extension, unaffected	0·39 (0·41)	1·20 (0·61)	0·77 (0·67)	20·99	<0·001	a<b, a<c, b>c	0·211
Knee extension, affected	0·42 (0·46)	0·98 (0·39)	0·86 (0·71)	14·193	<0·001	a<b, a<c	0·153
Ankle extension, unaffected	1·27 (0·78)	1·13 (0·38)	1·27 (1·22)	0·219	<0·001		0·003
Ankle extension, affected	1·25 (0·57)	1·18 (0·35)	0·70 (0·48)	21·357	0·8513	a>c, b>c	0·214
Power generation (Watt/kg)							
Hip, unaffected	1·43 (1·18)	0·84 (0·54)	0·85 (0·79)	7·258	0·0312	a>b, a>c	0·085
Hip, affected	1·62 (1·54)	0·71 (0·51)	0·66 (1·12)	10·872	0·0013	a>b, a>c	0·122
Knee, unaffected	1·03 (1·32)	1·16 (0·62)	0·99 (1·54)	0·131	<0·001		0·002
Knee, affected	0·90 (1·03)	0·94 (0·86)	0·53 (0·64)	3·737	0·899	a>c	0·045
Ankle, unaffected	2·05 (2·22)	1·66 (0·91)	1·65 (2·02)	0·766	<0·001		0·01
Ankle, affected	1·82 (1·20)	1·70 (1·20)	0·78 (0·63)	19·396	0·5095	a>c, b>c	0·198

Data are mean (SD).

Supplementary Table 4. Quantitative gait analysis data in subgroups within the musculoskeletal pain group