

Abstracted/Indexed in: OT Bibsys (The Reliable SOURCE), Journal of Rehabilitation Research and Development, Excerpta Medica /EMBASE, ISI Current Contents/Clinical Medicine, Index Medicus/MEDLINE, RECAL. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®

Reviews

Psychometric properties of measures of gait quality and walking performance in young people with Cerebral Palsy: A systematic review

A. Zanudin (UK, Malaysia), T.H. Mercer, K.C. Jagadamma, M.L. van der Linden (Malaysia) 30

Action observation in the modification of postural sway and gait: Theory and use in rehabilitation

M. Patel (UK) 115

The effects of haptic input on biomechanical and neurophysiological parameters of walking: A scoping review

A.R. Oates, L. Hauck (Canada), R. Moraes (Brazil), K.M. Sibley (Canada) 232

SIAMOC position paper on gait analysis in clinical practice: General requirements, methods and appropriateness. Results of an Italian consensus conference

M.G. Benedetti, E. Beghi, A. De Tanti, A. Cappozzo, N. Basaglia, A.G. Cutti, A. Cereatti, R. Stagni, F. Verdini, M. Manca, S. Fantozzi (Italy), C. Mazzà (UK), V. Camomilla, I. Campanini, A. Castagna, L. Cavazzuti, M. Del Maestro, U.D. Croce, M. Gasperi, T. Leo, P. Marchi, M. Petrarca, L. Piccinini, M. Rabuffetti, A. Ravaschio, Z. Sawacha, F. Spolaor, L. Tesio, G. Vannozzi, I. Visintin, M. Ferrarin (Italy) 252

Associations of prolonged standing with musculoskeletal symptoms—A systematic review of laboratory studies

P. Coenen (The Netherlands, Australia), S. Parry, L. Willenberg, J.W. Shi, L. Romero, D.M. Blackwood, G.N. Healy, D.W. Dunstan, L.M. Straker (Australia) 310

Clinical measures of balance in people with type two diabetes: A systematic literature review

C.J. Dixon, T. Knight, E. Binns, B. Ihaka, D. O'Brien (New Zealand) 325

Factors influencing knee adduction moment measurement: A systematic review and meta-regression analysis

S. Telfer, M.J. Lange, A.S.M. Sudduth (United States) 333

Full Length Articles

Recuperation of slow walking in *de novo* Parkinson's disease is more closely associated with increased cadence, rather than with expanded stride length

K.-Y. Kwon, H.M. Lee, S.H. Kang, S.J. Pyo, H.J. Kim, S.-B. Koh (Republic of Korea) 1

Patellar bracing affects sEMG activity of leg and thigh muscles during stance phase in patellofemoral pain syndrome

F. Salarie Sker, M. Anbarian, A.H. Yazdani, P. Hesari, A. Babaei-Ghazani (Iran) 7

Visual targeting one step before force plates has no effect on gait parameters in orthopaedic patients during level walking

K. Bracht-Schweizer, M. Freslier, S. Krapf, J. Romkes (Switzerland) 13

Root mean square of lower trunk acceleration during walking in patients with unilateral total hip replacement

O. Wada, T. Asai, Y. Hiyama, S. Nitta, K. Mizuno (Japan) 19

Dynamic balance changes within three weeks of fitting a new prosthetic foot component

J.A. Kent, N. Stergiou, S.R. Wurdeman (USA) 23

Dual-task walking over a compliant foam surface: A comparison of people with transfemoral amputation and controls

S.J. Morgan, B.J. Hafner, V.E. Kelly (United States) 41

Spatiotemporal gait changes with use of an arm swing cueing device in people with Parkinson's disease

E. Thompson, P. Agada, W.G. Wright, H. Reimann, J. Jeka (United States) 46

Effect of Wii Fit™ exercise therapy on gait parameters in ankle sprain patients: A randomized controlled trial

I.M. Punt, S. Armand, J.-L. Ziltener, L. Allet (Switzerland) 52

Shock attenuation characteristics of three different military boots during gait

A.M.S. Muniz (Brazil), R.R. Bini (Brazil, Australia) 59

Biomechanical differences between cases with chronic exertional compartment syndrome and asymptomatic controls during walking and marching gait

A. Roberts, D. Roscoe, D. Hulse, A.N. Bennett, S. Dixon (UK) 66

Gait alterations in the UAE population with and without diabetic complications using both traditional and entropy measures

K. Khalaf, H.M. Al-Angari (United Arab Emirates), A.H. Khandoker (United Arab Emirates, Australia), S. Lee, W. Almahmeed, H.S. Al Safar (United Arab Emirates), H.F. Jelinek (Australia) 72

Spatiotemporal and plantar pressure patterns of 1000 healthy individuals aged 3–101 years

M.J. McKay, J.N. Baldwin, P. Ferreira, M. Simic (Australia), N. Vanicek (United Kingdom), E. Wojciechowski, A. Mudge, J. Burns (Australia) 78

(Continued overleaf)

(Contents continued)

Muscle contributions to knee extension in the early stance phase in patients with knee osteoarthritis	88
S. Ogaya, R. Kubota, Y. Chujo, E. Hirooka, K. Kwang-ho, K. Hase (Japan)	
Adding an arch support to a heel lift improves stability and comfort during gait	94
X. Zhang (PR China, Belgium), B. Li, K. Hu, Q. Wan, Y. Ding (PR China), B. Vanwanseele (Belgium)	
Crossover study of amputee stair ascent and descent biomechanics using Genium and C-Leg prostheses with comparison to non-amputee control	103
D.J. Lura, M.W. Wernke, S.L. Carey, J.T. Kahle, R.M. Miro, M.J. Highsmith (USA)	
The effects of ankle braces and taping on lower extremity running kinematics and energy expenditure in healthy, non-injured adults	108
K. Tamura, K.N. Radzak, R.E. Vogelpohl, B.A. Wisthoff, Y. Oba, R.K. Hetzler, C.D. Stickley (United States)	
Effects of interventions on normalizing step width during self-paced dual-belt treadmill walking with virtual reality, a randomised controlled trial	121
I.L.B. Oude Lansink, L. van Kouwenhove, P.U. Dijkstra, K. Postema, J.M. Hijmans (The Netherlands)	
Effect of hearing aids on static balance function in elderly with hearing loss	126
H. Negahban, M. Bavarsad Cheshmeh ali, G. Nassadj (Iran)	
Neural correlates of obstacle negotiation in older adults: An fNIRS study	130
M. Chen, S. Pillemier, S. England, M. Izzetoglu, J.R. Mahoney, R. Holtzer (United States)	
Gait characteristics of children and youth with chemotherapy induced peripheral neuropathy following treatment for acute lymphoblastic leukemia	139
M.J. Wright, D.M. Twose, J.W. Gorter (Canada)	
Gait patterns in association with underlying impairments in polio survivors with calf muscle weakness	146
H.E. Ploeger, S.A. Bus, F. Nollet, M.-A. Brehm (The Netherlands)	
Hamstring and calf muscle activation as a function of bodyweight support during treadmill running in ACL reconstructed athletes	154
C. Hansen (Germany), E. Einarson, A. Thomson, R. Whiteley (Qatar), E. Witvrouw (Belgium)	
Foot structure is significantly associated to subtalar joint kinetics and mechanical energetics	159
J.N. Maharaj, A.G. Cresswell, G.A. Lichtwark (Australia)	
Inter-individual similarities and variations in muscle forces acting on the ankle joint during gait	166
M. Błažkiewicz, I. Wiszomirska, K. Kaczmarczyk (Poland), R. Naemi (UK), A. Wit (Poland)	
Rod and frame test and posture under optokinetic stimulation used to explore two complementary aspects of the visual influence in postural control after stroke	171
S. Tasseel-Ponche, H. Le Liepvre, F. Colle, C. Andriantsifanetra, P.-P. Vidal, I.V. Bonan, A.-P. Yelnik (France)	
Influence of different degrees of bilateral emulated contractures at the triceps surae on gait kinematics: The difference between gastrocnemius and soleus	176
M. Attias (Switzerland, France), A. Bonnefoy-Mazure, G. De Coulon (Switzerland), L. Cheze (France), S. Armand (Switzerland)	
Quantitative trunk sway and prediction of incident falls in older adults	183
J.R. Mahoney, M. Oh-Park, E. Ayers, J. Verghese (USA)	
Learning effects of dynamic postural control by auditory biofeedback versus visual biofeedback training	188
N. Hasegawa, K. Takeda, M. Sakuma, H. Mani, H. Maejima, T. Asaka (Japan)	
Comparison of lower limb muscle strength between diabetic neuropathic and healthy subjects using OpenSim	194
A. Scarton (Italy), I. Jonkers (Belgium), A. Guiotto, F. Spolaor, G. Guarneri, A. Avogaro, C. Cobelli, Z. Sawacha (Italy)	
<i>In vivo</i> mechanical behaviour of the anterior cruciate ligament: A study of six daily and high impact activities	201
E. Roldán, N.D. Reeves, G. Cooper, K. Andrews (UK)	
Predictive simulation of diabetic gait: Individual contribution of ankle stiffness and muscle weakening	208
G.F. Santos, A.A. Gomes, I.C.N. Sacco, M. Ackermann (Brazil)	
<i>In vivo</i> kinematics of early-stage osteoarthritic knees during pivot and squat activities	214
K. Matsuki (USA, Japan), K.O. Matsuki (USA), T. Kenmoku, S. Yamaguchi, T. Sasho (Japan), S.A. Banks (USA)	
The potential of an automated system to identify the upper limb component of a controlled sitting posture	223
M.B. Sánchez, I. Loram, J. Darby, P. Holmes, P.B. Butler (UK)	
Changes in gluteal muscle forces with alteration of footstrike pattern during running	240
C.N. Vannatta, T.W. Kernozeck, N. Gheidi (United States)	
Sound side joint contact forces in below knee amputee gait with an ESAR prosthetic foot	246
M.T. Karimi (Iran, Shiraz Iran), F. Salami (Germany), A. Esrafilian (Iran, Finland), D.W.W. Heitzmann, M. Alimusaj, C. Putz, S.I. Wolf (Germany)	
An expert system feedback tool improves the reliability of clinical gait kinematics for older adults with lower limb osteoarthritis	261
S.T. Osis, D. Kobsar, R.J. Leigh, C.A.J. Macaulay, R. Ferber (Canada)	
Aging effect on step adjustments and stability control in visually perturbed gait initiation	268
R. Sun, C. Cui, J.B. Shea (USA)	
Biomechanical analysis of gait waveform data: exploring differences between shod and barefoot running in habitually shod runners	274
N. Tam, D. Prins, N.V. Divekar, R.P. Lamberts (South Africa)	
Adding motor control training to muscle strengthening did not substantially improve the effects on clinical or kinematic outcomes in women with patellofemoral pain: A randomised controlled trial	280
N.D.d.A. Rabelo, L.O.P. Costa, B.M.d. Lima, A.C. dos Reis, A.S. Bley, T.Y. Fukuda, P.R.G. Lucareli (Brazil)	
Effects of flexible and rigid rocker profiles on in-shoe pressure	287
R. Reints, J.M. Hijmans, J.G.M. Burgerhof, K. Postema, G.J. Verkerke (The Netherlands)	

Download English Version:

<https://daneshyari.com/en/article/5707581>

Download Persian Version:

<https://daneshyari.com/article/5707581>

[Daneshyari.com](https://daneshyari.com)