



## Selected references for Geriatric research

- Alexander, N. B., & Hausdorff, J. M. (2008). Linking Thinking , Walking , and Falling. *Journal of Gerontology, 63A*(12), 1325–1328.
- Beauchet, O., Freiburger, E., Annweiler, C., Kressig, R. W., Herrmann, F. R., & Allali, G. (2011). Test-retest reliability of stride time variability while dual tasking in healthy and demented adults with frontotemporal degeneration. *Journal of NeuroEngineering and Rehabilitation, 8*(1), 37.
- Belluck, P. (2012). Footprints to Cognitive Decline and Alzheimer ' s Are Seen in Gait, p1. *The New York Times*, pp. 10–12.
- Besser, M. P., Selby-silverstein, L., Ms, J. D. O., Ms, M. R. W., Ms, A. L. C., & Ms, T. A. C. (n.d.). The relationship between Temporal-Spatial Parameters of Gait and History of Falls in the Elderly. *NA*.
- Blanco, I., Verghese, J., Lipton, R. B., Putterman, C., & Derby, C. A. (2011). Modifiable predictors of racial differences in gait velocity in an elderly urban cohort. *Annals of the Rheumatic Diseases, 70*, 31st European Workshop for Rheumatology Research A.
- Boersma, D., Demontiero, O., Mohtasham Amiri, Z., Hassan, S., Suarez, H., Geisinger, D., Suriyaarachchi, P., et al. (2012). Vitamin D status in relation to postural stability. *Journal of Nutritio, 16*(3), 1–6.
- Brach, J. S., Perera, S., Studenski, S., Katz, M., Hall, C., & Verghese, J. (2010). Meaningful change in measures of gait variability in older adults. *Gait & posture, 31*(2), 175–9.
- Bridenbaugh, S. a, & Kressig, R. W. (2011). Laboratory review: the role of gait analysis in seniors' mobility and fall prevention. *Gerontology, 57*(3), 256–64.
- Callisaya, M. L., Blizzard, L., McGinley, J. L., Schmidt, M. D., & Srikanth, V. K. (2010). Sensorimotor factors affecting gait variability in older people--a population-based study. *The journals of gerontology. Series A, Biological sciences and medical sciences, 65*(4), 386–92.
- Clemson, L., Bundy, A. C., Cumming, R. G., Kay, L., & Lockett, T. (2008). Validating the Falls Behavioural (FaB) scale for older people: a Rasch analysis. *Disability and rehabilitation, 30*(7), 498–06.
- Decaria, J. E., Montero-Odasso, M., Wolfe, D., Chesworth, B. M., & Petrella, R. J. (2011). The effect of intra-articular hyaluronic acid treatment on gait velocity in older knee osteoarthritis patients: A randomized, controlled study. *Archives of Gerontology and Geriatrics, 55*(2), 310–5.
- Figueiro, M. G., Plitnick, B., Rea, M. S., Gras, L. Z., & Rea, M. S. (2011). Lighting and Perceptual Cues: Effects on Gait Measures of Older Adults at High and Low Risk for Falls. *BMC Geriatrics, 11*(1), 49.
- Fritz, S., & Lusardi, M. (2009). White paper: "walking speed: the sixth vital sign". *Journal of geriatric physical therapy (2001), 32*(2), 46–9.

- Hausdorff, J. M., Rios, D. A., & Edelberg, H. K. (2001). Gait variability and fall risk in community-living older adults: a 1-year prospective study. *Archives of physical medicine and rehabilitation*, 82(8), 1050–6.
- Highsmith, J., Kahle, J., Quillen, W., & Larry Mengelkoch. (2012). Spatiotemporal Parameters and Step Activity of a Specialized Stepping Pattern Used by a Transtibial Amputee During a Denali Mountaineering Expedition. *JPO Journal of Prosthetics and Orthotics*, 24(3), 1–5.
- King, L., Almeida, Q., & Ahonen-Eerikainen, H. (2010). *Short-Term effects of Vibration Therpay on Motor Impairments in Parkinsons Disease*.
- Kressig, R. W., Beauchet, O., Gaitrite, E., Group, N., & Kurtis, E. (2006). Guidelines for clinical applications of spatio-temporal gait analysis in older adults. *Aging Clinical and Experimental Research*, 18(2), 49–51.
- Kressig, R. W., Herrmann, F. R., Grandjean, R., Michel, J., & Beauchet, O. (2008). Gait variability while dual-tasking : fall predictor in older inpatients ? *Aging Clinical and Experimental Research*, 20(2), 123–130.
- Krishnamurthy, M., & Verghese, J. (2006). Gait characteristics in nondisabled community-residing nonagenarians. *Archives of physical medicine and rehabilitation*, 87(4), 541–5.
- Lindemann, U., Najafi, B., Zijlstra, W., Hauer, K., Mucbe, R., Becker, C., & Aminian, K. (2008). Distance to achieve steady state walking speed in frail elderly persons. *Gait & posture*, 27(1), 91–6.
- Luft, A. R., Macko, R. F., Forrester, L. W., Villagra, F., Ivey, F., Sorkin, J. D., Whittall, J., et al. (2008). Treadmill exercise activates subcortical neural networks and improves walking after stroke: a randomized controlled trial. *Stroke; a journal of cerebral circulation*, 39(12), 3341–50.
- Merory, J. R., Wittwer, J. E., Rowe, C. C., & Webster, K. E. (2007). Quantitative gait analysis in patients with dementia with Lewy bodies and Alzheimer’s disease. *Gait & posture*, 26(3), 414–9.
- Moe-Nilssen, R., & Helbostad, J. L. (2004). Estimation of gait cycle characteristics by trunk accelerometry. *Journal of Biomechanics*, 37(1), 121–126.
- Moe-Nilssen, R., & Helbostad, J. L. (2005). Interstride trunk acceleration variability but not step width variability can differentiate between fit and frail older adults. *Gait & posture*, 21(2), 164–70.
- Montero-Odasso, M., Schapira, M., Soriano, E. R., Varela, M., Kaplan, R., Camera, L. a, & Mayorga, L. M. (2005). Gait velocity as a single predictor of adverse events in healthy seniors aged 75 years and older. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 60(10), 1304–9.
- Montero-Odasso, m. Wells, J. Borrie, M. (2009). Can cognitive enhancers reduce the risk of falls in people with dementia? An open-label study with controls. *JAGS*, 57(2), 359–360.

- Muir, S., Berg, K., Chesworth, B., & Speechley, M. (2008). Research Report - Use of the Berg Balance Scale for Predicting Multiple Falls in Community- Dwelling Elderly People: A Prospective Study. *Physical Therapy, 88*(4), 449–459.
- Myers, S., Johanning, J. M., Stergiou, N., Lynch, T. G., Longo, G. M., & Pipinos, I. I. (2008). Claudication distances and the Walking Impairment Questionnaire best describe the ambulatory limitations in patients with symptomatic peripheral arterial disease. *Journal of vascular surgery, 47*(3), 550–555.
- NeuroCom International, I. (1991). *Balance Manager Systems: Clinical Interpretation Guide* (Vol. 6744).
- Oh-Park, M., Holtzer, R., Xue, X., & Verghese, J. (2010). Conventional and Robust Quantitative Gait Norms in Community-Dwelling Older Adults. *Journal of the American Geriatrics Society, 58*(8), 1512–1518.
- Patterson, S. L. (2008). Effect of treadmill exercise training on spatial and temporal gait parameters in subjects with chronic stroke: A preliminary report. *The Journal of Rehabilitation Research and Development, 45*(2), 221–228.
- Protas, E. J., Mitchell, K., Williams, A., Qureshy, H., Caroline, K., Debakey, M. E., & Affairs, V. (2005). Gait and step training to reduce falls in Parkinson ' s disease. *NeuroRehabilitaion, 20*, 183–190.
- Purser, J. L., Weinberger, M., Cohen, H. J., Pieper, C. F., Morey, M. C., Li, T., Williams, G. . R., et al. (2005). Walking speed predicts health status and hospital costs for frail elderly male veterans. *The Journal of Rehabilitation Research and Development, 42*(4), 535.
- Reelick, M. F., Van Iersel, M. B., Kessels, R. P. C., & Rikkert, M. G. M. O. (2009). The influence of fear of falling on gait and balance in older people. *Age and ageing, 38*(4), 435–40.
- Rinehart, N. J., Tonge, B. J., Iansek, R., McGinley, J., Brereton, A. V., Enticott, P. G., & Bradshaw, J. L. (2006). Gait function in newly diagnosed children with autism: Cerebellar and basal ganglia related motor disorder. *Developmental medicine and child neurology, 48*(10), 819–24.
- Society, A. G., Society, G., Of, A. A., & On Falls Prevention, O. S. P. (2001). Guideline for the Prevention of Falls in Older Persons. *Journal of the American Geriatrics Society, 49*(5), 664–672.
- Uden, C. J. T. Van, & Besser, M. P. (2004). Test-retest reliability of temporal and spatial gait characteristics measured with an instrumented walkway system ( GAITRite ® ). *BMC Musculoskeletal Disorders, 5*, 1–4.
- Verghese, J., Holtzer, R., Lipton, R. B., & Wang, C. (2009). Quantitative gait markers and incident fall risk in older adults. *The journals of gerontology. Series A, Biological sciences and medical sciences, 64*(8), 896–901.
- Verghese, J., Mahoney, J., Ambrose, A. F., Wang, C., & Holtzer, R. (2010). Effect of cognitive remediation on gait in sedentary seniors. *The journals of gerontology. Series A, Biological sciences and medical sciences, 65*(12), 1338–43.

Verghese, J., Wang, C., Lipton, R. B., Holtzer, R., & Xue, X. (2007). Quantitative gait dysfunction and risk of cognitive decline and dementia. *Journal of neurology, neurosurgery, and psychiatry*, 78(9), 929–35.

Whitney, S. L., Marchetti, G. F., Morris, L. O., & Sparto, P. J. (2007). The reliability and validity of the Four Square Step Test for people with balance deficits secondary to a vestibular disorder. *Archives of physical medicine and rehabilitation*, 88(1), 99–104.