

## Selected Research Publications from our researchers:

1. Möller MC, Berginström N, Ghafouri B, Holmqvist A, Löfgren M, Nordin L, Stålnacke BM. Cognitive and mental fatigue in chronic pain: cognitive functions, emotional aspects, biomarkers and neuronal correlates-protocol for a descriptive cross-sectional study. *BMJ Open*. 2023 Mar 29;13(3):e068011. doi: 10.1136/bmjopen-2022-068011. PMID: 36990481; PMCID: PMC10069545.
2. Kelly D, Condell J, Gillespie J, Munoz Esquivel K, Barton J, Tedesco S, Nordstrom A, Åkerlund Larsson M, Alamäki A. Improved screening of fall risk using free-living based accelerometer data. *J Biomed Inform*. 2022 Jul;131:104116. doi: 10.1016/j.jbi.2022.104116.
3. Scott D, Johansson J, Gandham A, Ebeling PR, Nordstrom P, **Nordstrom A**. Associations of accelerometer-determined physical activity and sedentary behavior with sarcopenia and incident falls over 12 months in community-dwelling Swedish older adults. *J Sport Health Sci*. 2021 Sep;10(5):577-584.
4. Kelly D, Esquivel KM, Gillespie J, Condell J, Davies R, Karim S, Nevala E, Alamäki A, Jalovaara J, Barton J, Tedesco S, **Nordström A**. Feasibility of Sensor Technology for Balance Assessment in Home Rehabilitation Settings. *Sensors (Basel)*. 2021 Jun 28;21(13):4438
5. Feddermann-Demont N, Chiampas G, Cowie CM, Meyer T, Nordström A, Putukian M, Straumann D, Kramer E. Recommendations for initial examination, differential diagnosis, and management of concussion and other head injuries in high-level football. *Scand J Med Sci Sports*. 2020 Oct;30(10):1846-1858. doi: 10.1111/sms.13750. Epub 2020 Jun 29. PMID: 32557913; PMCID: PMC9290574.
6. Berginström N, Nordström P, Nyberg L, Nordström A. White matter hyperintensities increases with traumatic brain injury severity: associations to neuropsychological performance and fatigue. *Brain Inj*. 2020 Feb 23;34(3):415-420. doi: 10.1080/02699052.2020.1725124. Epub 2020 Feb 9. PMID: 32037894.
7. Tervo T, Ermling J, **Nordström A**, Toss F. The 9+ screening test score does not predict injuries in elite floorball players. *Scand J Med Sci Sports*. 2020 Jul;30(7):1232-1236
8. Berginström N, Nordström P, Ekman U, Eriksson J, Nyberg L, Nordström A. PharmacofMRI in Patients With Traumatic Brain Injury: A Randomized Controlled Trial With the Monoaminergic Stabilizer (-)-OSU6162. *J Head Trauma Rehabil*. 2019 May/Jun;34(3):189-198. doi:

9. Tervo T, Nyström H, **Nordström A**. Injuries in Swedish floorball players: A nationwide matched cohort study. 2019 In Press *Congent Medicine* 2019 6:1673087
10. Johansson J, Jarocka E, Westling G, **Nordström A**, Nordström P. Predicting incident falls: Relationship between postural sway and limits of stability in older adults. *Hum Mov Sci* 2019 10;66:117-123
11. Scott D, Johansson J, McMillan LB, Ebeling PR, Nordstrom P, Nordstrom A. Associations of Sarcopenia and Its Components with Bone Structure and Incident Falls in Swedish Older Adults. *Calcif Tissue Int.* 2019 Jul;105(1):26-36. doi: 10.1007/s00223-019-00540-1. Epub 2019 Mar 21. PMID: 30899995.
12. Nordström A, Nordström P. Traumatic brain injury and the risk of dementia diagnosis: A nationwide cohort study. *PLoS Med.* 2018 Jan 30;15(1):e1002496. doi: 10.1371/journal.pmed.1002496. PMID: 29381704; PMCID: PMC5790223.
13. Berginström N, Nordström P, Ekman U, Eriksson J, Andersson M, Nyberg L, Nordström A. Using Functional Magnetic Resonance Imaging to Detect Chronic Fatigue in Patients With Previous Traumatic Brain Injury: Changes Linked to Altered Striato-Thalamic-Cortical Functioning. *J Head Trauma Rehabil.* 2018 Jul/Aug;33(4):266-274. doi: 10.1097/HTR.0000000000000340. PMID: 28926483.
14. Berginström N, Nordström P, Schuit R, Nordström A. The Effects of (-)-OSU6162 on Chronic Fatigue in Patients With Traumatic Brain Injury: A Randomized Controlled Trial. *J Head Trauma Rehabil.* 2017 Mar/Apr;32(2):E46-E54. doi: 10.1097/HTR.0000000000000236. PMID: 27120292.
15. Berginström N, Nordström P, Schuit R, Nordström A. The Effects of (-)-OSU6162 on Chronic Fatigue in Patients With Traumatic Brain Injury: A Randomized Controlled Trial. *J Head Trauma Rehabil.* 2017 Mar/Apr;32(2):E46-E54. doi: 10.1097/HTR.0000000000000236. PMID: 27120292.
16. Holmquist S, Mattsson S, Schele I, Nordström P, Nordström A. [Low physical activity as a key differentiating factor in the potential high-risk profile for depressive symptoms in older adults.](#) *Depress Anxiety.* 2017 Sep;34(9):817-825
17. Krachler B, **Nordstrom A**, Lindahl B. Reality-check in physical activity promotion: Self-report-based guidelines vs. measurement-based estimates. *Prev Med* 2016;91:395-6.

18. Berginström N, Johansson J, Nordström P, Nordström A. Attention in Older Adults: A Normative Study of the Integrated Visual and Auditory Continuous Performance Test for Persons Aged 70 Years. *Clin Neuropsychol.* 2015;29(5):595-610. doi: 10.1080/13854046.2015.1063695. Epub 2015 Jul 10. PMID: 26160019.
19. Nordström A, Nordström P, Ekstrand J. Sports-related concussion increases the risk of subsequent injury by about 50% in elite male football players. *Br J Sports Med.* 2014 Oct;48(19):1447-50. doi: 10.1136/bjsports-2013-093406. Epub 2014 Jul 31. PMID: 25082616.
20. Nordström P, Michaëlsson K, Gustafson Y, Nordström A. Traumatic brain injury and young onset dementia: a nationwide cohort study. *Ann Neurol.* 2014 Mar;75(3):374-81. doi: 10.1002/ana.24101. PMID: 24812697.
21. Nordström A, Edin BB, Lindström S, Nordström P. Cognitive function and other risk factors for mild traumatic brain injury in young men: nationwide cohort study. *BMJ.* 2013 Mar 11;346:f723. doi: 10.1136/bmj.f723. PMID: 23482939.