

## List of publications

1. Johansson, G. M., Frykberg, G. E., **Grip, H.**, Brostrom, E. W., Hager, C. K. (2014), Assessment of arm movements during gait in stroke - The Arm Posture Score, Gait Posture, Epub 2014/07/30.
2. Öhberg F., Lundström R., **Grip H.**, Comparative analysis of different adaptive filters for tracking lower segments of a human body using inertial motion sensors, Meas. Sci. Technol. 24 (2013) 085703 (12pp).
3. Sandlund M, Domellöf E, **Grip H.**, Rönnqvist L, Häger C (2013), Training of goal directed arm movements with motion interactive video games in children with cerebral palsy – a kinematic evaluation, Developmental Neurorehabilitation, *In Press*
4. **Grip H.**, Häger C (2013), A new approach to measure functional stability of the knee based on changes in knee axis orientation, J Biomechanics, 46, 855-862
5. Brändström H, Wiklund U, Karlsson M, **Grip H.**, Ängquist K, Haney M (2012), Autonomic nerve system responses during hand cold exposure: the effect of long term training in cold climate, International Archives of Occupational and Environmental Health, Apr 17
6. Treleaven J, Jull G., **Grip H.** (2011), Head eye coordination and gaze stability in subjects with persistent whiplash associated disorders, Manual Therapy 16, 252-257
7. Röijezon, U., Djupsjöbacka, M., Björklund, M., Häger-Ross, C., **Grip, H.** & Liebermann, D. (2010). Kinematics of fast cervical rotations in persons with chronic neck pain : a cross-sectional and reliability study. BMC Musculoskeletal Disorders (11). 10.1186/1471-2474-11-222
8. **Grip H.**, Jull Gwen, Treleaven J., (2009) Head Eye Co-ordination Using Simultaneous Measurement of Eye in Head and Head in Space Movements: Potential For Use in Subjects With a Whiplash Injury, J Clin Monit Comput.
9. Stensdotter, A. K., **Grip, H.**, Hodges, P. W. and Hager-Ross, C. (2008) Quadriceps activity and movement reactions in response to unpredictable sagittal support-surface translations in women with patellofemoral pain. J Electromyography 18, 298-307.
10. **Grip H.**, Sundelin G, Gerdle B, **Karlsson JS** (2008) Cervical helical axis characteristics and its center of rotation during active head and upper arm movements-comparisons of whiplash-associated disorders, non-specific neck pain and asymptomatic individuals. J Biomech. 41 (13): 2799.

11. Brändström H, **Grip** H, Hallberg P, Grönlund C, Ängqvist KA (2008) Changes in hand rewarming responses following 15 months of military training in northern Sweden, *Aviat Space Environ Med.* 79:904-908.
12. **Grip** H, Sundelin G, Gerdle B, Karlsson JS (2007) Variations in the axis of motion during head repositioning - A comparison of subjects with whiplash-associated disorders or non-specific neck pain and healthy controls, *J Clin Biomech* 22:873.
13. Fjellman-Wiklund A, **Grip** H, Karlsson J S, Sundelin G (2004) EMG trapezius muscle activity pattern in string players: Part I—is there variability in the playing technique?, *Int J Ind Erg* 33:347-356.
14. Fjellman-Wiklund A, **Grip** H, Andersson H, Karlsson J S, Sundelin G (2004) EMG trapezius muscle activity pattern in string players: Part II—Influences of basic body awareness therapy on the violin playing technique. *Int J Ind Erg* 33:357-367.
15. Öhberg F, **Grip** H, Wiklund U, Sterner Y, Karlsson J S, Gerdle B (2003) Chronic Whiplash Associated Disorders and Neck Movement Measurements: An Instantaneous Helical Axis Approach. *IEEE Trans Information Tech BioMed* 7(4):274-282.
16. **Grip** H, Öhberg F, Wiklund U, Sterner Y, Karlsson JS, Gerdle B (2003) Classification of Neck Movement Patterns related to Whiplash-Associated Disorders using Neural Networks. *IEEE Trans Information Tech BioMed* 7(4):412-418.
17. Andersson N, **Grip** H, Lindvall P, Koskinen L-O, Brändström H, Malm J, Eklund A (2003). Air transport of patients with intracranial air: computer model of pressure effects, *Aviat Space Environ Med* 74(2):138-44.