



Publications SPZ 2019

Employees of the SPZ are printed in bold letters.

1. Anderson, C. E., J. D. Chamberlain, X. Jordan, T. M. Kessler, E. Luca, S. Mohr, **J. Pannek**, M. Schubert, M. W. G. Brinkhof and the SwiSCI Study Group (2019). "Bladder emptying method is the primary determinant of urinary tract infections in patients with spinal cord injury: results from a prospective rehabilitation cohort study." *BJU Int* 123(2): 342-352.
2. Baeshen, A., **P. O. Wyss**, A. Henning, R. L. O'Gorman, M. Piccirelli, S. Kollias and L. Michels (2019). "Test-Retest Reliability of the Brain Metabolites GABA and Glx With JPRESS, PRESS, and MEGA-PRESS MRS Sequences in vivo at 3T." *J Magn Reson Imaging*.
3. **Bersch, I., S. Koch-Borner and J. Friden** (2019). "Motor Point Topography of Fundamental Grip Actuators in Tetraplegia: Implications in Nerve Transfer Surgery." *J Neurotrauma*.
4. Bossuyt, F. M., U. Arnet, A. Cools, S. Rigot, W. de Vries, **I. Eriks-Hoogland**, M. L. Boninger and the SwiSCI Study Group (2019). "Compensation strategies in response to fatiguing propulsion in wheelchair users: Implications for shoulder injury risk." *Am J Phys Med Rehabil*.
5. Bossuyt, F. M., M. L. Boninger, A. Cools, N. Hogaboom, **I. Eriks-Hoogland**, U. Arnet and the SwiSCI Study Group (2019). "Changes in supraspinatus and biceps tendon thickness: influence of fatiguing propulsion in wheelchair users with spinal cord injury." *Spinal Cord*.
6. Buzzell, A., J. D. Chamberlain, **I. Eriks-Hoogland**, K. Hug, X. Jordan, M. Schubert, M. Zwahlen, M. W. G. Brinkhof, and the SwiSCI Study Group (2019). "All-cause and cause-specific mortality following non-traumatic spinal cord injury: evidence from a population-based cohort study in Switzerland." *Spinal Cord*.
7. Buzzell, A., J. D. Chamberlain, **H. P. Gmunder**, K. Hug, X. Jordan, M. Schubert, M. W. G. Brinkhof and the SwiSCI Study Group (2019). "Survival after non-traumatic spinal cord injury: evidence from a population-based rehabilitation cohort in Switzerland." *Spinal Cord* 57(4): 267-275.
8. Buzzell A, Chamberlain JD, Schubert M, **Mueller G**, Berlowitz DJ, Brinkhof M. Perceived sleep problems after spinal cord injury: Results from a community-based survey in Switzerland. *The Journal of Spinal Cord Medicine*. 2019 DOI: 10.1080/10790268.2019.1710938
9. Chamberlain, J. D., A. Buzzell, **H. P. Gmunder**, K. Hug, X. Jordan, A. Moser, M. Schubert, M. Zwahlen, M. W. G. Brinkhof, and the SwiSCI Study Group (2019). "Excess burden of a chronic disabling condition: life lost due to traumatic spinal cord injury in a Swiss population-based cohort study." *Int J Public Health* 64(7): 1097-1105.
10. Chamberlain, J. D., A. Buzzell, **H. P. Gmunder**, K. Hug, X. Jordan, A. Moser, M. Schubert, M. Zwahlen, M. W. G. Brinkhof, and the SwiSCI Study Group (2019). "Comparison of All-Cause and Cause-Specific Mortality of Persons with Traumatic Spinal Cord Injuries to the General Swiss Population: Results from a National Cohort Study." *Neuroepidemiology* 52(3-4): 205-213.
11. **Flueck, J. L.**, A. Gallo, N. Moelijker, N. Bogdanov, A. Bogdanova and **C. Perret** (2019). "Influence of Equimolar Doses of Beetroot Juice and Sodium Nitrate on Time Trial Performance in Handcycling." *Nutrients* 11(7).
12. Franz S, Schulz B, Wang H, Gottschalk S, Grüter F, Friedrich J, Glaesener JJ, Bock F, Schott C, Müller R, Schultes K, **Landmann G**, Gerner HJ, Dietz V, Treede RD, Weidner N. Management of pain in individuals



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13. **Friden, J.** and R. L. Lieber (2019). "Reach out and grasp the opportunity: reconstructive hand surgery in tetraplegia." J Hand Surg Eur Vol 44(4): 343-353.
 14. **Frotzler, A., J. Krebs, A. Gohring, K. Hartmann, S. Tesini** and K. Lippuner (2019). "Osteoporosis in the lower extremities in chronic spinal cord injury." Spinal Cord.
 15. Gross-Hemmi, M. H., M. W. M. Post, S. Bienert, J. D. Chamberlain, K. Hug, X. Jordan, A. **Scheel-Sailer, A. Weiss** and M. W. G. Brinkhof (2019). "Participation in People Living With Spinal Cord Injury in Switzerland: Degree and Associated Factors." Arch Phys Med Rehabil.
 16. Grotkamp, S., W. Cibis, S. Bruggemann, M. M. Coenen, **H. P. Gmunder**, K. Keller, E. Nuchtern, U. Schwegler, W. Seger, **S. Staubli**, B. B. V. Raison, R. Weissmann, A. Bahemann, H. Fuchs, M. Rink, M. Schian and K. Schmitt (2019). "[Personal Factors of the Bio-Psycho-Social Model (WHO): A Revised Classification by the German Society for Social Medicine and Prevention (DGSMP)]." Gesundheitswesen.
 17. Hofner, K., C. Hampel, R. Kirschner-Hermanns, S. H. Alloussi, R. M. Bauer, S. Bross, T. Bschiepfer, M. Goepel, A. Haferkamp, T. Husch, A. Kaufmann, G. Kiss, J. Kranz, M. Oelke, **J. Pannek**, A. Reitz, M. Rutkowski, W. Schafer, H. Schulte-Baukloh, S. Schumacher, C. Seif and D. Schultz-Lampel (2019). "[Use of synthetic slings and mesh implants in the treatment of female stress urinary incontinence and prolapse : Statement of the Working Group on Urological Functional Diagnostics and Female Urology of the Academy of the German Society of Urology]." Urologe A.
 18. Kalsi-Ryan, S., C. Chan, M. Verrier, A. Curt, M. Fehlings, M. Bolliger, **I. M. Velstra**, G. C. S. S. Team and G. L. S. Team (2019). "The graded redefined assessment of strength sensibility and prehension version 2 (GV2): Psychometric properties." J Spinal Cord Med 42(sup1): 149-157.
 19. Kalsi-Ryan, S., L. E. Riehm, L. Tetreault, A. R. Martin, F. Teoderascu, E. Massicotte, A. Curt, M. C. Verrier, **I. M. Velstra** and M. G. Fehlings (2019). "Characteristics of Upper Limb Impairment Related to Degenerative Cervical Myelopathy: Development of a Sensitive Hand Assessment (Graded Redefined Assessment of Strength, Sensibility, and Prehension Version Myelopathy)." Neurosurgery.
 20. **Krebs, J.**, S. Fleischli, J. Stoyanov and **J. Pannek** (2019). "Effects of oral immunomodulation therapy on urinary tract infections in individuals with chronic spinal cord injury-A retrospective cohort study." NeuroUrol Urodyn 38(1): 346-352.
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26. Meier, C., S. Boes, A. Gemperli, H. **P. Gmunder, K. Koligi, S. Metzger, D. J. Schaefer, K. Schmitt, W. Schwegmann, R. Wettstein** and **A. Scheel-Sailer** (2019). "Correction: Treatment and cost of pressure injury stage III or IV in four patients with spinal cord injury: the Basel Decubitus Concept." *Spinal Cord Ser Cases* 5: 40.
27. Meier, C., S. Boes, A. Gemperli, **H. P. Gmunder, K. Koligi, S. Metzger, D. J. Schaefer, K. Schmitt, W. Schwegmann, R. Wettstein** and **A. Scheel-Sailer** (2019). "Treatment and cost of pressure injury stage III or IV in four patients with spinal cord injury: the Basel Decubitus Concept." *Spinal Cord Ser Cases* 5: 30.
28. **Pannek, J.**, S. Pannek-Rademacher, M. S. Jus, **J. Wollner** and **J. Krebs** (2019). "Usefulness of classical homeopathy for the prophylaxis of recurrent urinary tract infections in individuals with chronic neurogenic lower urinary tract dysfunction." *J Spinal Cord Med* 42(4): 453-459.
29. **Pannek J, Krebs J, Wöllner J.** Influence of bladder management on long-term quality of life in patients with neurogenic lower urinary tract dysfunction. *Asia Pac J Clin Trials Nerv Syst Dis.* 2019; 4; 29-32
30. **Perret C**, Van Biesen D, Strupler M, Pit-Grosheide P, Vanlandewijck Y. Effect of sildenafil citrate on exercise capacity in athletes with spinal cord injury. *Int J Sports Physiol Perform.* 2019 (in press)
31. **Raab, A. M.**, S. de Groot, D. J. Berlowitz, M. W. M. Post, J. Adriaansen, M. Hopman and **G. Mueller** (2019). "Development and validation of models to predict respiratory function in persons with long-term spinal cord injury." *Spinal Cord*.
32. **Raab, A. M., J. Krebs, M. Pfister, C. Perret, M. Hopman** and **G. Mueller** (2019). "Respiratory muscle training in individuals with spinal cord injury: effect of training intensity and -volume on improvements in respiratory muscle strength." *Spinal Cord* 57(6): 482-489.
33. Roels, Ellen H.; Michiel F. Reneman, Peter W. New; Carlotte Kiekens; Lot Van Roey; Andrea Townson; Giorgio Scivoletto; Eimear Smith; **Inge Eriks-Hoogland; Stefan Staubli**; Marcel W.M. Post. International comparison of vocational rehabilitation for persons with spinal cord injury: systems, practices and barriers. *Topics in spinal Cord Injury* (2019) in Press
34. **Roth, K., G. Mueller** and A. Wyss (2019). "Experiences of peer counselling during inpatient rehabilitation of patients with spinal cord injuries." *Spinal Cord Ser Cases* 5: 1.
35. **Scheel-Sailer S.** Wound management in individuals with spinal cord injury – quo vadis? Hopeful ideas for development in future. *WUNDmanagement* 2019;13(3):130-134.
36. **Scheel-Sailer A**, Aliyev N, **Jud N**, Annaheim S, Harder Y, **Krebs J, Wildisen A, Wettstein R.** Changes in skin-physiology after local heat application using two different methods in individuals with complete paraplegia: A feasibility and safety trial. *Spinal Cord*, 2019, in Press
37. Schneider, S., W. L. Popp, M. Brogioli, U. Albisser, S. Ortman, **I. M. Velstra**, L. Demko, R. Gassert and A. Curt (2019). "Predicting upper limb compensation during prehension tasks in tetraplegic spinal cord injured patients using a single wearable sensor." *IEEE Int Conf Rehabil Robot* 2019: 1000-1006.
38. Schneider, S., W. L. Popp, M. Brogioli, U. Albisser, S. Ortman, **I. M. Velstra**, L. Demko, R. Gassert and A. Curt (2019). "Predicting upper limb compensation during prehension tasks in tetraplegic spinal cord injured patients using a single wearable sensor." *IEEE Int Conf Rehabil Robot* 2019: 1000-1006.



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39. Sievert, K. D., J. Hennenlotter, T. Dillenburg, P. Toomey, **J. Wollner, P. Zweers, J. Pannek**, K. E. Anderson and B. Amend (2019). "Extended periprostatic nerve distributions on the prostate surface confirmed using diffusion tensor imaging." *BJU Int* 123(6): 995-1004.
40. Stangier, C., T. Abel, S. Zeller, O. J. Quittmann, **C. Perret** and H. K. Struder (2019). "Comparison of Different Blood Lactate Threshold Concepts for Constant Load Performance Prediction in Spinal Cord Injured Handcyclists." *Front Physiol* 10: 1054.
41. Stienen, M. N., D. Bellut, D. Stojanov, **I. Eriks-Hoogland**, L. Regli and M. F. Oertel (2019). "[Reversible Paraplegia - Favorable Outcome After Delayed Diagnosis]." *Praxis (Bern 1994)* 108(5): 341-345.
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44. **Wyss, P. O.**, E. Huber, A. Curt, S. Kollias, P. Freund and A. Henning (2019). "MR Spectroscopy of the Cervical Spinal Cord in Chronic Spinal Cord Injury." *Radiology* 291(1): 131-138.
45. Zanini, C., S. Rubinelli, N. Lustenberger, **H. G. Koch, A. Scheel-Sailer** and M. Brach (2019). "Challenges to building and maintaining partnership in the prevention and treatment of pressure injuries in spinal cord injury: a qualitative study of health professionals' views." *Swiss Med Wkly* 149: w20086.
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