



Schweizer  
Paraplegiker  
Zentrum

Centre  
suisse des  
paraplégiques

Centro  
svizzero per  
paraplegici

Swiss  
Paraplegic  
Centre

## Publications SPZ 2016

1. Andersson, J. K., P. Axelsson, J. Stromberg, J. Karlsson and **J. Friden** (2016). Patients with triangular fibrocartilage complex injuries and distal radioulnar joint instability have reduced rotational torque in the forearm. *J Hand Surg Eur Vol* 41(7): 732-738.
2. **Bersch, I. and J. Friden** (2016). Role of Functional Electrical Stimulation in Tetraplegia Hand Surgery. *Arch Phys Med Rehabil* 97(6 Suppl): S154-159.
3. Bertschy, S., C. Bostan, T. Meyer and **J. Pannek** (2016). Medical complications during pregnancy and childbirth in women with SCI in Switzerland. *Spinal Cord* 54(3): 183-187.
4. Bertschy, S., J. Pannek and T. Meyer (2016). Delivering care under uncertainty: Swiss providers' experiences in caring for women with spinal cord injury during pregnancy and childbirth - an expert interview study. *BMC Pregnancy Childbirth* 16(1): 181.
5. Brinkhof, M. W., A. Al-Khadairy, I. Eriks-Hoogland, C. Fekete, T. Hinrichs, M. Hund-Georgiadis, S. Meier, A. Scheel-Sailer, M. Schubert and J. D. Reinhardt (2016). Health conditions in people with spinal cord injury: Contemporary evidence from a population-based community survey in Switzerland. *J Rehabil Med* 48(2): 197-209.
6. Brogioli, M., W. L. Popp, U. Albisser, A. K. Brust, A. Frotzler, R. Gassert, A. Curt and M. L. Starkey (2016). Novel Sensor Technology To Assess Independence and Limb-Use Laterality in Cervical Spinal Cord Injury. *J Neurotrauma* 33(21): 1950-1957.
7. Brogioli, M., W. L. Popp, S. Schneider, U. Albisser, A. K. Brust, A. Frotzler, R. Gassert, A. Curt and M. L. Starkey (2016). Multi-Day Recordings of Wearable Sensors Are Valid and Sensitive Measures of Function and Independence in Human Spinal Cord Injury. *J Neurotrauma*.
8. Brogioli, M., S. Schneider, W. L. Popp, U. Albisser, A. K. Brust, I. M. Velstra, R. Gassert, A. Curt and M. L. Starkey (2016). Monitoring Upper Limb Recovery after Cervical Spinal Cord Injury: Insights beyond Assessment Scores. *Front Neurol* 7: 142.
9. Cottini, S. R., U. E. Ehlers, A. Pagnamenta, G. Brandi, W. Weder, R. A. Schuepbach, M. Bechir and C. Benden (2016). Pretransplant dyslipidaemia influences primary graft dysfunction after lung transplantation. *Interact Cardiovasc Thorac Surg* 22(4): 402-405.
10. Dorjbal, D., A. Cieza, H. P. Gmunder, A. Scheel-Sailer, G. Stucki, T. B. Ustun and B. Prodinger (2016). Strengthening quality of care through standardized reporting based on the World Health Organization's reference classifications. *Int J Qual Health Care* 28(5): 626-633.
11. **Eriks-Hoogland, I.**, S. de Groot, G. Snoek, G. Stucki, M. Post and L. van der Woude (2016). Association of Shoulder Problems in Persons With Spinal Cord Injury at Discharge From Inpatient Rehabilitation With Activities and Participation 5 Years Later. *Arch Phys Med Rehabil* 97(1): 84-91.
12. **Flueck, J. L.**, A. Bogdanova, S. Mettler and **C. Perret** (2016). Is beetroot juice more effective than sodium nitrate? The effects of equimolar nitrate dosages of nitrate-rich beetroot juice and sodium nitrate on oxygen consumption during exercise. *Appl Physiol Nutr Metab* 41(4): 421-429.



13. **Flueck, J. L.**, K. Hartmann, M. Strupler and **C. Perret** (2016). Vitamin D deficiency in Swiss elite wheelchair athletes. *Spinal Cord*.
14. **Flueck, J. L.** and **C. Perret** (2016). Vitamin D deficiency in individuals with a spinal cord injury: a literature review. *Spinal Cord*.
15. **Flueck, J. L.**, F. Schaufelberger, M. Lienert, D. Schafer Olstad, M. Wilhelm and **C. Perret** (2016). Acute Effects of Caffeine on Heart Rate Variability, Blood Pressure and Tidal Volume in Paraplegic and Tetraplegic Compared to Able-Bodied Individuals: A Randomized, Blinded Trial. *PLoS One* 11(10): e0165034.
16. **Flueck, J. L.**, M. W. Schlaepfer and **C. Perret** (2016). Effect of 12-Week Vitamin D Supplementation on 25[OH]D Status and Performance in Athletes with a Spinal Cord Injury. *Nutrients* 8(10).
17. Graham-Paulson, T., C. Perret and V. Goosey-Tolfrey (2016). Improvements in Cycling but Not Handcycling 10 km Time Trial Performance in Habitual Caffeine Users. *Nutrients* 8(7).
18. Graham-Paulson, T. S., C. Perret, P. Watson and V. L. Goosey-Tolfrey (2016). Improvement of Sprint Performance in Wheelchair Sportsmen With Caffeine Supplementation. *Int J Sports Physiol Perform* 11(2): 214-220.
19. Groen, J., J. Pannek, D. Castro Diaz, G. Del Popolo, T. Gross, R. Hamid, G. Karsenty, T. M. Kessler, M. Schneider, L. T. Hoen and B. Blok (2016). Summary of European Association of Urology (EAU) Guidelines on Neuro-Urology. *Eur Urol* 69(2): 324-333.
20. Gross, T., M. P. Schneider, L. M. Bachmann, B. F. Blok, J. Groen, L. A. Hoen, D. Castro-Diaz, B. Padilla Fernandez, G. Del Popolo, S. Musco, R. Hamid, H. Ecclestone, G. Karsenty, V. Phe, J. Pannek and T. M. Kessler (2016). Transcutaneous Electrical Nerve Stimulation for Treating Neurogenic Lower Urinary Tract Dysfunction: A Systematic Review. *Eur Urol* 69(6): 1102-1111.
21. Hinrichs, T., V. Lay, U. Arnet, I. Eriks-Hoogland, H. G. Koch, T. Rantanen, J. D. Reinhardt and M. W. Brinkhof (2016). Age-related variation in mobility independence among wheelchair users with spinal cord injury: A cross-sectional study. *J Spinal Cord Med* 39(2): 180-189.
22. **Koch-Borner, S.**, J. A. Dunn, J. Friden and J. Wangdell (2016). Rehabilitation After Posterior Deltoid to Triceps Transfer in Tetraplegia. *Arch Phys Med Rehabil* 97(6 Suppl): S126-135.
23. **Krebs, J.**, P. Bartel and **J. Pannek** (2016). Functional outcome of supr trigonal cystectomy and augmentation ileocystoplasty in adult patients with refractory neurogenic lower urinary tract dysfunction. *Neurourol Urodyn* 35(2): 260-266.
24. **Krebs, J.**, D. Grasmucke, T. Potzel and **J. Pannek** (2016). Charcot arthropathy of the spine in spinal cord injured individuals with sacral deafferentation and anterior root stimulator implantation. *Neurourol Urodyn* 35(2): 241-245.
25. **Krebs, J.**, H. G. Koch, K. Hartmann and **A. Frotzler** (2016). The characteristics of posttraumatic syringomyelia. *Spinal Cord* 54(6): 463-466.
26. **Krebs, J.**, D. Pavlicek, J. Stoyanov, J. Pannek and **J. Wollner** (2016). Nerve growth factor does not seem to be a biomarker for neurogenic lower urinary tract dysfunction after spinal cord injury. *Neurourol Urodyn*.



27. **Krebs, J.**, J. Wollner, D. Grasmucke and **J. Pannek** (2016). Long-term course of sacral anterior root stimulation in spinal cord injured individuals: The fate of the detrusor. *Neurorol Urodyn*.
28. **Krebs, J.**, J. Wollner and **J. Pannek** (2016). Bladder management in individuals with chronic neurogenic lower urinary tract dysfunction. *Spinal Cord* 54(8): 609-613.
29. **Krebs, J.**, J. Wollner and **J. Pannek** (2016). Risk factors for symptomatic urinary tract infections in individuals with chronic neurogenic lower urinary tract dysfunction. *Spinal Cord* 54(9): 682-686.
30. **Landmann, G.**, W. Dumat, N. Egloff, A. R. Gantenbein, S. Matter, R. Pirotta, P. S. Sandor, W. Schleinzer, B. Seifert, H. Sprott, L. Stockinger and F. Riederer (2016). Bilateral Sensory Changes and High Burden of Disease in Patients with Chronic Pain and Unilateral Nondermatomal Somatosensory Deficits: A Quantitative Sensory Testing and Clinical Study. *Clin J Pain*.
31. **Landmann, G.**, C. Lustenberger, W. Schleinzer, M. Schmelz, L. Stockinger and R. Rukwied (2016). Short lasting transient effects of a capsaicin 8% patch on nociceptor activation in humans. *Eur J Pain*.
32. **Landmann, G.**, L. Stockinger, C. Lustenberger, M. Schmelz and R. Rukwied (2016). Effects of Current Density on Nociceptor Activation Upon Electrical Stimulation in Humans. *Pain Pract* 16(3): 273-281.
33. Lepretre, P. M., V. L. Goosey-Tolfrey, T. W. Janssen and **C. Perret** (2016). Editorial: Rio, Tokyo Paralympic Games and Beyond: How to Prepare Athletes with Motor Disabilities for Peaking. *Front Physiol* 7: 497.
34. **Mahnig, S.**, G. Landmann, L. Stockinger and E. Opsommer (2016). Pain assessment according to the International Spinal Cord Injury Pain classification in patients with spinal cord injury referred to a multidisciplinary pain center. *Spinal Cord*.
35. Mehnert, U., L. M. de Kort, J. Wollner, M. Kozomara, G. A. van Koeveringe and T. M. Kessler (2016). Effects of onabotulinumtoxinA on cardiac function following intradetrusor injections. *Exp Neurol* 285(Pt B): 167-172.
36. Michels, L., F. Christidi, V. R. Steiger, P. S. Sandor, A. R. Gantenbein, G. Landmann, S. R. Schreglmann, S. Kollias and F. Riederer (2016). Pain modulation is affected differently in medication-overuse headache and chronic myofascial pain - A multimodal MRI study. *Cephalgia*.
37. Mulcahey, M. J., L. C. Vogel, M. Sheikh, J. C. Arango-Lasprilla, M. Augutis, E. Garner, E. M. Hagen, L. B. Jakeman, E. Kelly, R. Martin, J. Odenkirchen, A. Scheel-Sailer, J. Schottler, H. Taylor, C. C. Thielen and K. Zebracki (2016). Recommendations for the National Institute for Neurologic Disorders and Stroke spinal cord injury common data elements for children and youth with SCI. *Spinal Cord*.
38. Muller, R., M. W. Brinkhof, U. Arnet, T. Hinrichs, G. Landmann, X. Jordan and **M. Bechir** (2016). Prevalence and associated factors of pain in the Swiss spinal cord injury population. *Spinal Cord*.
39. New, P. W., R. K. Reeves, E. Smith, I. Eriks-Hoogland, A. Gupta, G. Scivoletto, A. Townson, B. Maurizio and M. W. Post (2016). International Retrospective Comparison



of Inpatient Rehabilitation for Patients With Spinal Cord Dysfunction: Differences According to Etiology. Arch Phys Med Rehabil 97(3): 380-385.

40. **Pannek, J.** and S. Pannek-Rademacher (2016). [Use of Complementary Medicine in Patients with Advanced Prostate Cancer: 2 Case Reports]. Aktuelle Urol.
41. **Pannek, J.**, S. Pannek-Rademacher, M. S. Jus and **J. Krebs** (2016). Homeopathic prophylaxis for recurrent urinary tract infections following spinal cord injury: study protocol for a randomized controlled trial. Asia Pac Clin Transl Nerv Syst Dis 1(4): 191-195.
42. **Perret, C. and J. L. Flueck** (2016). Supplementation and Performance in Spinal Cord-Injured Elite Athletes: a Systematic Review. Dtsch Z Sportmed 67: 209-213.
43. **Perret, C.**, M. Wenger, C. A. Leicht and V. L. Goosey-Tolfrey (2016). Locomotor-Respiratory Coupling in Wheelchair Racing Athletes: A Pilot Study. Front Physiol 7: 11.
44. Popp, W. L., M. Brogioli, K. Leuenberger, U. Albisser, A. Frotzler, A. Curt, R. Gassert and M. L. Starkey (2016). A novel algorithm for detecting active propulsion in wheelchair users following spinal cord injury. Med Eng Phys 38(3): 267-274.
45. Prodinger, B., C. S. Ballert, M. Brach, M. W. Brinkhof, A. Cieza, K. Hug, X. Jordan, M. W. Post, A. Scheel-Sailer, M. Schubert, A. Tennant and G. Stucki (2016). Toward standardized reporting for a cohort study on functioning: The Swiss Spinal Cord Injury Cohort Study. J Rehabil Med 48(2): 189-196.
46. Prodinger, B., A. Scheel-Sailer, R. Escorpizo and G. Stucki (2016). European initiative for the application of the International Classification of Functioning, Disability and Health: development of Clinical Assessment Schedules for specified rehabilitation services. Eur J Phys Rehabil Med.
47. **Raab, A. M.**, J. Krebs, C. Perret, F. Michel, M. T. Hopman and **G. Mueller** (2016). Maximum Inspiratory Pressure is a Discriminator of Pneumonia in Individuals With Spinal-Cord Injury. Respir Care.
48. **Reck, T.**, E. C. Chang, M. Bechir and **U. Kallenbach** (2016). Applying a Part of the Daily Dose as Bolus May Improve Intrathecal Opioid Therapy in Patients With Chronic Pain. Neuromodulation.
49. Ronca, E., A. Scheel-Sailer, H. G. Koch, S. Metzger and A. Gemperli (2016). Inpatient migration patterns in persons with spinal cord injury: A registry study with hospital discharge data. SSM –Population Health 2: 259-268.
50. **Scheel-Sailer, A.**, A. Frotzler, G. Mueller, S. Annaheim, R. M. Rossi and S. Derler (2016). Biophysical skin properties of grade 1 pressure ulcers and unaffected skin in spinal cord injured and able-bodied persons in the unloaded sacral region. J Tissue Viability.
51. **Scheel-Sailer, A.**, C. Plattner, B. Flückiger, b. Ling, D. Schaefer, M. Baumberger and **R. Wettstein** (2016). [Dekubitus – ein Update]. Swiss Medical Forum 16(23): 489-498.
52. Stromberg, J., A. Ibsen-Sorensen and **J. Friden** (2016). Comparison of Treatment Outcome After Collagenase and Needle Fasciotomy for Dupuytren Contracture: A Randomized, Single-Blinded, Clinical Trial With a 1-Year Follow-Up. J Hand Surg Am 41(9): 873-880.



Schweizer  
Paraplegiker  
Zentrum

Centre  
suisse des  
paraplégiques

Centro  
svizzero per  
paraplegici

Swiss  
Paraplegic  
Centre

53. Turcsanyi, I., A. Gohritz and **J. Friden** (2016). Launching a new national tetraplegia upper extremity surgery service. *J Rehabil Med* 48(7): 571-575.
54. Tweedy, S. M., E. M. Beckman, T. J. Geraghty, D. Theisen, C. Perret, L. A. Harvey and Y. C. Vanlandewijck (2016). Exercise and sports science Australia (ESSA) position statement on exercise and spinal cord injury. *J Sci Med Sport*.
55. **van der Wielen, H.**, M. W. Post, V. Lay, K. Glasche and **A. Scheel-Sailer** (2016). Hospital-acquired pressure ulcers in spinal cord injured patients: time to occur, time until closure and risk factors. *Spinal Cord* 54(9): 726-731.
56. **Vogel, C.**, R. Rukwied, L. Stockinger, M. Schley, M. Schmelz, W. Schleinzer and C. Konrad (2016). Functional Characterization of At-Level Hypersensitivity in Patients With Spinal Cord Injury. *J Pain*.
57. Wangdell, J., L. Bunketorp-Kall, S. Koch-Borner and **J. Friden** (2016). Early Active Rehabilitation After Grip Reconstructive Surgery in Tetraplegia. *Arch Phys Med Rehabil* 97(6 Suppl): S117-125.
58. Wangdell, J. and **J. Friden** (2016). Rehabilitation After Spasticity-Correcting Upper Limb Surgery in Tetraplegia. *Arch Phys Med Rehabil* 97(6 Suppl): S136-143.
59. **Wollner, J.**, J. Janzen and **J. Pannek** (2016). [Melanosis of the urinary bladder]. *Urologe A* 55(1): 68-70.
60. **Wollner, J.**, J. Krebs and **J. Pannek** (2016). Sacral neuromodulation in patients with neurogenic lower urinary tract dysfunction. *Spinal Cord* 54(2): 137-140.
61. **Wollner, J.** and **J. Pannek** (2016). Initial experience with the treatment of neurogenic detrusor overactivity with a new beta-3 agonist (mirabegron) in patients with spinal cord injury. *Spinal Cord* 54(1): 78-82.
62. **Wollner, J.** and **J. Pannek** (2016). Sacral neuromodulation: No more skiing? *Scand J Urol* 50(2): 132-133.