

OptiHair2 – von Frey Filamente – Publications

1. Agalave N.M., Larsson M., Abdelmoaty S., Su J., Baharpoor A., Lundbäck P., Palmblad K., Andersson U., Harris H., Svensson C.I.: Spinal HMGB1 induces TLR4-mediated long-lasting hypersensitivity and glial activation and regulates pain-like behavior in experimental arthritis. *Pain* 2014.
2. Agbaje J., De Laat A., Constantinus P., Svensson P. Baad-Hansen L.: Agreement between quantitative and qualitative sensory testing of changes in oro-facial somatosensory sensitivity. *J Oral Rehabil* 2016.
3. Baier B., zu Eulenburg P., Geber C., Rohde F., Rolke R., Maihöfner C., Birklein F., Dieterich M.: Insula and sensory insular cortex and somatosensory control in patients with insular stroke. *Eur J Pain* 2014.
4. Bas D.B., Sandor K., Agalave N.M., Lundberg J., Codeluppi S., Baharpoor A., Nandakumar K.S., Holmdahl R., Svensson C.I.: Collagen antibody-induced arthritis evokes persistent pain with spinal glial involvement and transient prostaglandin dependency. *Arthritis Rheumatol* 2012.
5. Chu L.F., Cun T., Ngai L.K., Kim J.E., Zamora A.K., Young C.A., Angst M.S., Clark D.J.: Modulation of remifentanyl-induced postinfusion hyperalgesia by the β -blocker propranolol in humans. *Pain* 2012.
6. Dagsdottir L.K., Skytt I., Vase L., Baad.Hansen L., Castrillon E., Svensson P.: Experimental orofacial pain and sensory deprivation lead to perceptual distortion of the face in healthy volunteers. *Exp Brain Res* 2015.
7. Dresel C., Parzinger A., Rimpau C., Zimmer C., Ceballos-Baumann A.O., Haslinger B.: A new device for tactile stimulation during fMRI. *NeuroImage* 2008.
8. Ellrich J., Ristic D., Yekta S.S.: Impaired thermal perception in cluster headache. *J Neurol* 2006.
9. Engholm G., Leffler A.-S.: Influence of pain reduction by transcutaneous electrical nerve stimulation (TENS) on somatosensory functions in patients with painful traumatic peripheral partial nerve injury. *Eur J Pain* 2010.
10. Fernandez-Zafra T., Gao T., Jurczak A., Sandor K., Hore Z., Agalave N.M., Su J., Estelius J., Lampa J., Hokfelt T., Wiesenfeld-Hallin Z., Xu X., Denk F., Svensson C.I.: Exploring the transcriptome of resident spinal microglia after collagen antibody-induced arthritis. *Pain* 2019.
11. Gahm J., Hansson P., Brandberg Y., Wickman M.: Breast sensibility after bilateral risk-reducing mastectomy and immediate breast reconstruction: A prospective study. *Plast Reconstr Aes* 2013.
12. Gahm J., Jurell G., Wickman M., Hansson P.: Sensitivity after bilateral prophylactic mastectomy and immediate reconstruction. *Scand J Plast Recons* 2007.
13. Gomez-Soriano J., Goiriena E., Florensa-Vila J., Gomez-Arguelles J.M., Mauderli A., Vierck C.J., Albu S., Simon-Martinez C., Taylor J.: Sensory function after cavernous haemangioma: a case report of thermal hypersensitivity at and below an incomplete spinal cord injury. *Spinal Cord* 2012.
14. Juif P.E., Anton F., Hanesch U.: Pain behavior and spinal cell activation due to carrageenan-induced inflammation in two inbred rat strains with differential hypothalamic-pituitary-

adrenal axis reactivity. *Physiol Behav* 2012.

15. Juif P.E., Poisbeau P.: Neurohormonal effects of oxytocin and vasopressin receptor agonists on spinal pain processing in male rats. *Pain* 2013.
16. Jürgens T.P., Schulte A., Klein T., May A.: Transcranial direct current stimulation does neither modulate results of a quantitative sensory testing protocol nor ratings of suprathreshold heat stimuli in healthy volunteers. *Eur J Pain* 2012.
17. Klein T., Stahn S., Magerl W., Treede R.D.: The role of heterosynaptic facilitation in long-term potentiation (LTP) of human pain sensation. *Pain* 2008.
18. Lagergren J., Wickman M., Hansson P.: Sensation Following Immediate Breast Reconstruction with Implants. *Breast J* 2010.
19. Landerholm A.H., Hansson P.T.: The perception threshold counterpart to dynamic and static mechanical allodynia assessed using von Frey filaments in peripheral neuropathic pain patients. *Scand J Pain* 2011.
20. Lang S., Klein T., Magerl W., Treede R.D.: Modality-specific sensory changes in humans after the induction of long-term potentiation (LTP) in cutaneous nociceptive pathways. *Pain* 2007.
21. Lu S., Baad-Hansen L., List T., Zhang Z., Svensson P.: Somatosensory profiling in healthy subjects modified by intraoral capsaicin and menthol. *Eur J Oral Sci* 2013.
22. Lu S., Baad-Hansen L., List T., Zhang Z., Svensson P.: Somatosensory profiling of intra-oral capsaicin and menthol in healthy subjects. *Eur J Oral Sci* 2013.
23. Martakis K., Hünseler C., Herkenrath P., Thangavelu K., Kribs A., Roth B.: The flexion withdrawal reflex increases in premature infants at 22-26 weeks of gestation due to changes in spinal cord excitability. *Acta Paediatr* 2017.
24. Möller K.Ä., Klein S., Seeliger F., Finn A., Stenfors C., Svensson C.I.: Monosodium iodoacetate-induced monoarthritis develops differently in knee versus ankle joint in rats. *Neurobiol Pain* 2019.
25. Möller K.Ä., Svärd H., Suominen A., Immonen J., Holappa J., Stenfors C.: Gait analysis and weight bearing in pre-clinical joint pain research. *J Neurosci Methods* 2018.
26. Münster T., Eckl S., Leis S., Göhring-Waldeck G., Ihmsen H., Maihöfner C.: Characterization of Somatosensory Profiles in Patients with Crohn's Disease. *Pain Pract* 2014.
27. Münster T., Tiebel N., Seyer H., Maihöfner C.: Modulation of Somatosensory Profiles by Spinal Cord Stimulation in Primary Raynaud's Syndrome. *Pain Pract* 2012.
28. Neovius E., Fransson M., Persson C., Carliden S., Farnebo F., Lundgren T.K.: Long-term sensory disturbances after orbitozygomatic fractures. *J Plast Reconstr Aes* 2017.
29. Okdahl T., Brock C., Fløyel T., Wegeberg A.-M.L., Jakobsen P.E., Ejksjaer N., Pociot F., Brock B., Størting J.: Increased levels of inflammatory factors are associated with severity of polyneuropathy in type 1 diabetes. *Clin Endocrinol* 2020.
30. Pathirana S., Champion D., Jaaniste T., Yee A., Chapman C.: Somatosensory test responses in children with growing pains. *J Pain Res* 2011.
31. Pigg M., Baad-Hansen L., Svensson P., Drangsholt M., List T.: Reliability of intraoral quantitative sensory testing (QST). *Pain* 2010.
32. Quiding H., Akermark C., Segerdahl M., Reinholdsson I., Svensson H., Jonzon B.: A pain model with a neuropathic somatosensory lesion: Morton neuroma. *Pain* 2013.

33. Raafat K., El-Lakany A.: Acute and subchronic in-vivo effects of *Ferula hermonis* L. and *Sambucus nigra* L. and their potential active isolates in a diabetic mouse model of neuropathic pain. *BMC Compl Alternative Med* 2015.
34. Raafat K., El-Lakany A.: Combination of *Rheum ribes* and Metformin Against Diabetes, Thermal Hyperalgesia, and Tactile Allodynia in a Mice Model. *Altern Ther Health Med* 2017.
35. Raafat K., Hdaib F.: Neuroprotective effects of *Moringa oleifera*: Bio-guided GC-MS identification of active compounds in diabetic neuropathic pain model. *Chin J Integr Med* 2017.
36. Raafat K., Wurglis M., Schubert-Zsilavec M.: *Prunella vulgaris* L. active components and their hypoglycemic and antinociceptive effects in alloxan-induced diabetic mice. *Biomed Pharmacother* 2016.
37. Raafat K.: Phytochemical analysis of *Juglans regia* oil and kernel exploring their antinociceptive and anti-inflammatory potentials utilizing combined bio-guided GC-FID, GC-MS and HPLC analyses. *Rev Bras Farmacogn* 2018.
38. Raafat K.M., Omar A.G.: Phytotherapeutic activity of curcumol: Isolation, GC-MS identification, and assessing potentials against acute and subchronic hyperglycemia, tactile allodynia, and hyperalgesia. *Phram Biol* 2016.
39. Ristić D., Spangenberg P., Ellrich J.: Analgesic and antinociceptive effects of peripheral nerve neurostimulation in an advanced human experimental model. *Eur J Pain* 2008.
40. Rolke R., Baron R., Maier C., Tölle T.R., Treede R.D., Beyer A., Binder A., Birbaum N., Birklein F., Bötefür I.C., Braune S., Flor H., Hüge V., Klug R., Landwehrmeyer G.B., Magerl W., Maihöfner C., Rolko C., Schaub C., Scherens A., Sprenger T., Valet M., Wasserka B.: Quantitative sensory testing in the German Research Network on Neuropathic Pain (DFNS): Standardized protocol and reference values. *Pain* 2006.
41. Rolke R., Magerl W., Campbell K.A., Schalber C., Caspari S., Birklein F., Treede R.D.: Quantitative sensory testing: a comprehensive protocol for clinical trials. *Eur J Pain* 2006.
42. Sandor K., Krishnan S., Agalave N.M., Krock E., Salcido J.V., Fernandez-Zafra T., Khoonsari P.E., Svensson C.I., Kultima K.: Spinal injection of newly identified cerebellin-1 and cerebellin-2 peptides induce mechanical hypersensitivity in mice. *Neuropeptides* 2018.
43. Sandor K., Nandakumar K.S., Holmdahl R., Svensson C.: Collagen Antibody-Induced Arthritis: A Disease-Relevant Model for Studies of Persistent Joint Pain. *TPR Channels in Drug Discovery* 2012.
44. Scherens A., Maier C., Haussleiter I.S., Schwenkreis P., Vickova-Moravcova E., Baron R., Sommer C.: Painful or painless lower limb dyesthesias are highly predictive of peripheral neuropathy: Comparison of different diagnostic modalities. *Eur J Pain* 2012.
45. Schimmel M., Voegeli G., Duvernay E., Leemann B., Müller F.: Oral tactile sensitivity and masticatory performance are impaired in stroke patients. *J Oral Rehabil* 2017.
46. Søfteland E., Brock C., Frøkjær J.B., Brøgger J., Madácsy L., Gilja O.H., Arendt-Nielsen L., Simrén M., Drewes A.M., Dimcevski G.: Association between visceral, cardiac and sensorimotor polyneuropathies in diabetes mellitus. *J Diabetes Complicat* 2014.
47. Stammer T., De Col R., Seifert F., Maihöfner C.: Functional imaging of sensory decline and gain induced by differential noxious stimulation. *NeuroImage* 2008.
48. Su J., Gao T., Shi T., Xiang Q., Xu X., Wiesenfeld-Hallin Z., Hökfelt T., Svensson C.I.: Phenotypic changes in dorsal root ganglion and spinal cord in the collagen antibody-induced

arthritis mouse model. J Comp Neurol 2015.

49. Taylor K.S., Anastakis D.J., Davis K.D.: Cutting your nerve changes your brain. Brain 2009.
50. Wu Q., Inman R.D., Davis K.D.: Neuropathic Pain in Ankylosing Spondylitis: A Psychophysics and Brain Imaging Study. Arthritis Rheumatol 2013.