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## Publications (35)

Mylius V, Moisset X, Rukavina K, Rosner J, Korwisi B, Marques A, Perez-Lloret S, Kägi G, Bohlhalter S, Bannister K, Chaudhuri K, Barke A, Tinazzi M, Brefel-Courbon C, Treede R, Ciampi de Andrade D. New ICD-11 diagnostic criteria for chronic secondary musculoskeletal pain associated with Parkinson disease. *Pain* 2024

Mylius V, Baars J, Witt K, Benninger D, Ciampi de Andrade D, Kägi G, Bally J, Brugger F. Deep Brain Stimulation Improves Parkinson's Disease-Associated Pain by Decreasing Spinal Nociception. *Mov Disord* 2023

Listik C, Listik E, de Paiva Santos Rolim F, Meneses Cury Portela D, Perez-Lloret S, de Alves Araújo N, Carvalho P, Santos G, Limongi J, Cardoso F, Mylius V, Brugger F, Fernandes A, Reis Barbosa E, Jacobsen Teixeira M, Ferraz H, Camargos S, Pain in Dystonia Study Group, Cury R, Ciampi de Andrade D. Development and Validation of the Dystonia-Pain Classification System: A Multicenter Study. *Mov Disord* 2023; 38:1163-1174.

Mylius V, Maes L, Negele K, Schmid C, Sylvester R, Brook C, Brugger F, Perez-Lloret S, Bansi J, Aminian K, Paraschiv-Ionescu A, Gonzenbach R, Brugger P. Dual-Task Treadmill Training for the Prevention of Falls in Parkinson's Disease: Rationale and Study Design. *Front Rehabil Sci* 2022; 2:774658.

Stieglitz L, Werner B, Piroth T, Mylius V, Möller J, Mahendran S, Krüger M, Krack P, Kägi G, Hägele-Link S, Büchele F, Bohlhalter S, Benninger D, Baumann C, Bauer R, Bally J, Accolla E, Oertel M, Kaelin-Lang A. Consensus Statement on High-Intensity Focused Ultrasound for Functional Neurosurgery in Switzerland. *Front Neurol* 2021; 12:722762.

Lefaucheur J, Chalah M, Mhalla A, Palm U, Ayache S, Mylius V. The treatment of fatigue by non-invasive brain stimulation. *Neurophysiol Clin* 2017; 47:173-184.

Mylius V, Teepker M, Zouari H, Beer S, Schepelmann K, Möller J. Clinical correlates of sural neurography impairment within normal limits in patients with Parkinson's disease. *Neurophysiol Clin* 2017; 47:83-84.

Boura E, Stamelou M, Vadasz D, Ries V, Unger M, Kägi G, Oertel W, Möller J, Mylius V. Is increased spinal nociception another hallmark for Parkinson's disease?. *J Neurol* 2017; 264:570-575.

Lefaucheur J, Padberg F, Palm U, Poulet E, Priori A, Rossi S, Schecklmann M, Vanneste S, Ziemann U, Garcia-Larrea L, Nitsche M, Mylius V, Marangolo P, Antal A, Ayache S, Benninger D, Brunelin J, Cogiamanian F, Cotelli M, De Ridder D, Ferrucci R, Langguth B, Paulus W. Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS). *Clin Neurophysiol* 2016; 128:56-92.

André S, Heinrich S, Kayser F, Menzler K, Kesselring J, Khader P, Lefaucheur J, Mylius V. At-home tDCS of the left dorsolateral prefrontal cortex improves visual short-term memory in mild vascular dementia. *J Neurol Sci.* 2016; 369:185-190.

Ayache S, Ahdab R, Chalah M, Farhat W, Mylius V, Goujon C, Sorel M, Lefaucheur J. Analgesic effects of navigated motor cortex rTMS in patients with chronic neuropathic pain. *Eur J Pain* 2016; 20:1413-22.

Mylius V, Pee S, Pape H, Teepker M, Stamelou M, Eggert K, Lefaucheur J, Oertel W, Möller J. Experimental pain sensitivity in multiple system atrophy and Parkinson's disease at an early stage. *Eur J Pain* 2016; 20:1223-8.

Kunz M, Mylius V, Schepelmann K, Lautenbacher S. Loss in Executive Functioning Best Explains Changes in Pain Responsiveness in Patients with Dementia-Related Cognitive Decline. *Behav Neurol* 2015; 2015:878157.

Ahdab R, Ayache S, Farhat W, Mylius V, Schmidt S, Brugières P, Lefaucheur J. Reappraisal of the anatomical landmarks of motor and premotor cortical regions for image-guided brain navigation in TMS practice. *Hum Brain Mapp* 2013; 35:2435–47.

Roussel N, Nijs J, Meeus M, Mylius V, Fayt C, Oostendorp R. Central sensitization and altered central pain processing in chronic low back pain: fact or myth?. *Clin J Pain* 2013; 29:625–38.

Mylius V, Knake S, Oertel W, Schmidt S, Timmesfeld N, Krakow K, Wehrmann E, Brugières P, Belke M, Zouari H, Farhat W, Ahdab R, Ayache S, Lefaucheur J. Definition of DLPFC and M1 according to anatomical landmarks for navigated brain stimulation: inter-rater reliability, accuracy, and influence of gender and age. *Neuroimage* 2013; 78:224–32.

Mylius V, Ayache S, Zouari H, Aoun-Sebaïti M, Farhat W, Lefaucheur J. Stroke rehabilitation using noninvasive cortical stimulation: hemispatial neglect. *Expert Rev Neurother* 2012; 12:983–91.

Mylius V, Zouari H, Ayache S, Farhat W, Lefaucheur J. Stroke rehabilitation using noninvasive cortical stimulation: aphasia. *Expert Rev Neurother* 2012; 12:973–82.

Ayache S, Farhat W, Zouari H, Hosseini H, Mylius V, Lefaucheur J. Stroke rehabilitation using noninvasive cortical stimulation: motor deficit. *Expert Rev Neurother* 2012; 12:949–72.

Mylius V, Borckardt J, Lefaucheur J. Noninvasive cortical modulation of experimental pain. *Pain* 2012; 153:1350–63.

Mylius V, Jung M, Menzler K, Haag A, Khader P, Oertel W, Rosenow F, Lefaucheur J. Effects of transcranial direct current stimulation on pain perception and working memory. *Eur J Pain* 2012; 16:974–82.

Stamelou M, Dohmann H, Brebermann J, Boura E, Oertel W, Höglinger G, Möller J, Mylius V. Clinical pain and experimental pain sensitivity in progressive supranuclear palsy. *Parkinsonism Relat Disord* 2011; 18:606–8.

Lefaucheur J, Litré C, Vercueil L, Bouhassira D, Ayache S, Farhat W, Zouari H, Mylius V, Nicolier M, Thai-Van H, Saba G, André-Obadia N, Poulet E, Devanne H, Haffen E, Londero A, Cretin B, Leroi A, Radtchenko A, Garcia-Larrea L. [French guidelines on the use of repetitive transcranial magnetic stimulation (rTMS): safety and therapeutic indications]. *Neurophysiol Clin* 2011; 41:221–95.

Mylius V, Brebermann J, Dohmann H, Engau I, Oertel W, Möller J. Pain sensitivity and clinical progression in Parkinson's disease. *Mov Disord* 2011; 26:2220–5.

Mylius V, Knaack A, Haag A, Teepker M, Oertel W, Thut G, Hamer H, Rosenow F. Effects of paired-pulse transcranial magnetic stimulation of the motor cortex on perception of experimentally induced pain. *Clin J Pain* 2010; 26:617–23.

Mylius V. Pain relieving effects of repetitive transcranial magnetic stimulation of the motor cortex: what can we learn from experimentally-induced pain?. *Clin Neurophysiol* 2010; 121:807–8.

Mylius V, Möller J, Strauch K, Oertel W, Stiasny-Kolster K. No significance of the COMT val158met polymorphism in restless legs syndrome. *Neurosci Lett* 2010; 473:151–4.

Kunz M, Mylius V, Schepelmann K, Lautenbacher S. Effects of age and mild cognitive impairment on the pain response system. *Gerontology* 2009; 55:674–82.

Mylius V, Gerstner A, Peters M, Prokisch H, Leonhardt A, Hellwig D, Rosenow F. Low-frequency rTMS of the premotor cortex reduces complex movement patterns in a patient with pantothenate kinase-associated neurodegenerative disease (PKAN). *Neurophysiol Clin* 2009; 39:27-30.

Mylius V, Kunz M, Hennighausen E, Lautenbacher S, Schepelmann K. Effects of ageing on spinal motor and autonomic pain responses. *Neurosci Lett* 2008; 446:129-32.

Mylius V, Engau I, Teepker M, Stiasny-Kolster K, Schepelmann K, Oertel W, Lautenbacher S, Möller J. Pain sensitivity and descending inhibition of pain in Parkinson's disease. *J Neurol Neurosurg Psychiatry* 2008; 80:24-8.

Kunz M, Mylius V, Scharmann S, Schepelman K, Lautenbacher S. Influence of dementia on multiple components of pain. *Eur J Pain* 2008; 13:317-25.

Lautenbacher S, Mylius V, Mylius V, Scharmann S, Hemmeter U, Schepelmann K. [Multidimensional pain assessment in patients with dementia]. *Schmerz* 2007; 21:529-38.

Mylius V, Reis J, Knaack A, Haag A, Oertel W, Rosenow F, Schepelmann K. High-frequency rTMS of the motor cortex does not influence the nociceptive flexion reflex but increases the unpleasantness of electrically induced pain. *Neurosci Lett* 2006; 415:49-54.

Mylius V, Kunz M, Schepelmann K, Lautenbacher S. Sex differences in nociceptive withdrawal reflex and pain perception. *Somatosens Mot Res* 2005; 22:207-11.

## Projects (0)

No results found.

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