

Basnyat, P, Hagman, S, Kolasa, M, Koivisto, K, Verkkoniemi-Ahola, A, Airas, L & Elovaara, I 2015, 'Association between soluble L-selectin and anti-JCV antibodies in natalizumab-treated relapsing-remitting MS patients', *Multiple Sclerosis and Related Disorders*, Vuosikerta. 4, Nro 4, Sivut 334-338. <https://doi.org/10.1016/j.msard.2015.06.008>

Bron, EE, Smits, M, van der Flier, WM, Vrenken, H, Barkhof, F, Scheltens, P, Papma, JM, Steketee, RME, Méndez Orellana, C, Meijboom, R, Pinto, M, Meireles, JR, Garrett, C, Bastos-Leite, AJ, Abdulkadir, A, Ronneberger, O, Amoroso, N, Bellotti, R, Cárdenas-Peña, D, Álvarez-Meza, AM, Dolph, CV, Iftekharuddin, KM, Eskildsen, SF, Coupé, P, Fonov, VS, Franke, K, Gaser, C, Ledig, C, Guerrero, R, Tong, T, Gray, KR, Moradi, E, Tohka, J, Routier, A, Durrleman, S, Sarica, A, Di Fatta, G, Sensi, F, Chincarini, A, Smith, GM, Stoyanov, ZV, Sørensen, L, Nielsen, M, Tangaro, S, Inglese, P, Wachinger, C, Reuter, M, van Swieten, JC, Niessen, WJ & Klein, S 2015, 'Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge', *NeuroImage*, Vuosikerta. 111, Sivut 562-579. <https://doi.org/10.1016/j.neuroimage.2015.01.048>

Hagman, S, Kolasa, M, Basnyat, P, Helminen, M, Kähönen, M, Dastidar, P, Lehtimäki, T & Elovaara, I 2015, 'Analysis of apoptosis-related genes in patients with clinically isolated syndrome and their association with conversion to multiple sclerosis', *JOURNAL OF NEUROIMMUNOLOGY*, Vuosikerta. 280, Sivut 43-48. <https://doi.org/10.1016/j.jneuroim.2015.02.006>

Hagman, S, Raunio, M, Rossi, M, Dastidar, P & Elovaara, I 2011, 'Disease-associated inflammatory biomarker profiles in blood in different subtypes of multiple sclerosis: Prospective clinical and MRI follow-up study', *JOURNAL OF NEUROIMMUNOLOGY*, Vuosikerta. 234, Nro 1-2, Sivut 141-147. <https://doi.org/10.1016/j.jneuroim.2011.02.009>

Hartikainen, KM, Sun, L, Polvivaara, M, Brause, M, Lehtimäki, K, Haapasalo, J, Möttönen, T, Väyrynen, K, Ogawa, KH, Öhman, J & Peltola, J 2014, 'Immediate effects of deep brain stimulation of anterior thalamic nuclei on executive functions and emotion-attention interaction in humans', *JOURNAL OF CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY*, Vuosikerta. 36, Nro 5, Sivut 540-550. <https://doi.org/10.1080/13803395.2014.913554>

Hypönen, J, Hakala, A, Annala, K, Zhang, H, Peltola, J, Mervaala, E & Kälviäinen, R 2020, 'Automatic assessment of the myoclonus severity from videos recorded according to standardized Unified Myoclonus Rating Scale protocol and using human pose and body movement analysis', *Seizure*, Vuosikerta. 76, Sivut 72-78. <https://doi.org/10.1016/j.seizure.2020.01.014>

Ilvesmäki, T, Koskinen, E, Brander, A, Luoto, T, Öhman, J & Eskola, H 2017, 'Spinal cord injury induces widespread chronic changes in cerebral white matter', *Human Brain Mapping*, Vuosikerta. 38, Nro 7, Sivut 3637-3647. <https://doi.org/10.1002/hbm.23619>

Kauppi, J-P, Pajula, J, Niemi, J, Hari, R & Tohka, J 2017, 'Functional brain segmentation using inter-subject correlation in fMRI', *Human Brain Mapping*, Vuosikerta. 38, Nro 5, Sivut 2643-2665. <https://doi.org/10.1002/hbm.23549>

Klapper, SD, Garg, P, Dagar, S, Lenk, K, Gottmann, K & Nieweg, K 2019, 'Astrocyte lineage cells are essential for functional neuronal differentiation and synapse maturation in human iPSC-derived neural networks', *Glia*, Vuosikerta. 67, Nro 10, Sivut 1893-1909. <https://doi.org/10.1002/glia.23666>

Malmivaara, K, Ohman, J, Kivisaari, R, Hernesniemi, J & Siironen, J 2011, 'Cost-effectiveness of decompressive craniectomy in non-traumatic neurological emergencies', *European Journal of Neurology*, Vuosikerta. 18, Nro 3, Sivut 402-409. <https://doi.org/10.1111/j.1468-1331.2010.03162.x>

Melkas, S, Sibolt, G, Oksala, NKJ, Putaala, J, Pohjasvaara, T, Kaste, M, Karhunen, PJ & Erkinjuntti, T 2012, 'Extensive white matter changes predict stroke recurrence up to 5 years after a first-ever ischemic stroke', *CEREBROVASCULAR DISEASES*, Vuosikerta. 34, Nro 3, Sivut 191-198. <https://doi.org/10.1159/000341404>

Miinalainen, T, Rezaei, A, Us, D, Nüßing, A, Engwer, C, Wolters, CH & Pursiainen, S 2019, 'A realistic, accurate and fast source modeling approach for the EEG forward problem', *NeuroImage*, Vuosikerta. 184, Nro 1, Sivut 56-67. <https://doi.org/10.1016/j.neuroimage.2018.08.054>

- Moradi, E, Khundrakpam, B, Lewis, JD, Evans, AC & Tohka, J 2017, 'Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data', *NeuroImage*, Vuosikerta. 144, Nro A, Sivut 128-141. <https://doi.org/10.1016/j.neuroimage.2016.09.049>
- Möttönen, T, Katisko, J, Haapasalo, J, Tähtinen, T, Kiekara, T, Kähärä, V, Peltola, J, Öhman, J & Lehtimäki, K 2015, 'Defining the anterior nucleus of the thalamus (ANT) as a deep brain stimulation target in refractory epilepsy: Delineation using 3 T MRI and intraoperative microelectrode recording', *NeuroImage: Clinical*, Vuosikerta. 7, Sivut 823-829. <https://doi.org/10.1016/j.nicl.2015.03.001>
- Natarajan, R, Einarsdottir, E, Riutta, A, Hagman, S, Raunio, M, Mononen, N, Lehtimäki, T & Elovaara, I 2012, 'Melatonin pathway genes are associated with progressive subtypes and disability status in multiple sclerosis among Finnish patients', *JOURNAL OF NEUROIMMUNOLOGY*, Vuosikerta. 250, Nro 1-2, Sivut 106-110. <https://doi.org/10.1016/j.jneuroim.2012.05.014>
- Nevalainen, O, Auvinen, A, Ansakorpi, H, Raitanen, J & Isojärvi, J 2014, 'Autoimmunity-related immunological serum markers and survival in a tertiary care cohort of adult patients with epilepsy', *EPILEPSY RESEARCH*, Vuosikerta. 108, Nro 9, Sivut 1675-1679. <https://doi.org/10.1016/j.eplepsyres.2014.08.014>
- Nevalainen, O, Auvinen, A, Ansakorpi, H, Artama, M, Raitanen, J & Isojärvi, J 2012, 'Mortality by clinical characteristics in a tertiary care cohort of adult patients with chronic epilepsy', *EPILEPSIA*, Vuosikerta. 53, Nro 12. <https://doi.org/10.1111/epi.12006>
- Rezaei, A, Koulouri, A & Pursiainen, S 2020, 'Randomized Multiresolution Scanning in Focal and Fast E/MEG Sensing of Brain Activity with a Variable Depth', *Brain Topography*, Vuosikerta. 33, Nro 2, Sivut 161-175. <https://doi.org/10.1007/s10548-020-00755-8>
- Rimpiläinen, V, Koulouri, A, Lucka, F, Kaipio, JP & Wolters, CH 2019, 'Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity', *NeuroImage*, Vuosikerta. 188, Sivut 252-260. <https://doi.org/10.1016/j.neuroimage.2018.11.058>
- Salminen, AV, Manconi, M, Rimpilä, V, Luoto, TM, Koskinen, E, Ferri, R, Öhman, J & Polo, O 2013, 'Disconnection between periodic leg movements and cortical arousals in spinal cord injury', *JOURNAL OF CLINICAL SLEEP MEDICINE*, Vuosikerta. 9, Nro 11, Sivut 1207-1209. <https://doi.org/10.5664/jcsm.3174>
- Sibolt, G, Curtze, S, Melkas, S, Pohjasvaara, T, Kaste, M, Karhunen, PJ, Oksala, NKJ & Erkinjuntti, T 2015, 'Severe cerebral white matter lesions in ischemic stroke patients are associated with less time spent at home and early institutionalization', *INTERNATIONAL JOURNAL OF STROKE*, Vuosikerta. 10, Nro 8, Sivut 1192-1196. <https://doi.org/10.1111/ijis.12578>
- Sibolt, G, Curtze, S, Melkas, S, Pohjasvaara, T, Kaste, M, Karhunen, PJ, Oksala, NKJ, Vataja, R & Erkinjuntti, T 2013, 'Post-stroke depression and depression-executive dysfunction syndrome are associated with recurrence of ischaemic stroke', *CEREBROVASCULAR DISEASES*, Vuosikerta. 36, Nro 5-6, Sivut 336-343. <https://doi.org/10.1159/000355145>
- Sonkajärvi, E, Rytty, S, Alahuhta, S, Suominen, K, Kumpulainen, T, Ohtonen, P, Karvonen, E & Jäntti, V 2018, 'Epileptiform and periodic EEG activities induced by rapid sevoflurane anaesthesia induction', *Clinical Neurophysiology*, Vuosikerta. 129, Nro 3, Sivut 638-645. <https://doi.org/10.1016/j.clinph.2017.12.037>
- Tenhunen, M, Huupponen, E, Hasan, J, Heino, O & Himanen, SL 2015, 'Evaluation of the different sleep-disordered breathing patterns of the compressed tracheal sound', *Clinical Neurophysiology*, Vuosikerta. 126, Nro 8, Sivut 1557-1563. <https://doi.org/10.1016/j.clinph.2014.11.003>
- Tenhunen, M, Hasan, J & Himanen, SL 2015, 'Assessment of respiratory effort during sleep with noninvasive techniques', *Sleep Medicine Reviews*, Vuosikerta. 24, Sivut 103-104. <https://doi.org/10.1016/j.smr.2015.08.010>

Ylä-Outinen, L, Tanskanen, JMA, Kapucu, FE, Hyysalo, A, Hyttinen, JAK & Narkilahti, S 2019, Advances in Human Stem Cell-Derived Neuronal Cell Culturing and Analysis. julkaisussa *In Vitro Neuronal Networks: From Culturing Methods to Neuro-Technological Applications*. Advances in Neurobiology, Vuosikerta. 22, Springer New York LLC, Sivut 299-329. https://doi.org/10.1007/978-3-030-11135-9_13