

Tenhunen M, Hasan J, Himanen SL. 2015. Assessment of respiratory effort during sleep with noninvasive techniques. *Sleep Medicine Reviews*. 24:103-104. <https://doi.org/10.1016/j.smr.2015.08.010>

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*. 280:43-48. <https://doi.org/10.1016/j.jneuroim.2015.02.006>

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*. 184(1):56-67. <https://doi.org/10.1016/j.neuroimage.2018.08.054>

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*. 4(4):334-338. <https://doi.org/10.1016/j.msard.2015.06.008>

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*. 67(10):1893-1909. <https://doi.org/10.1002/glia.23666>

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*. 108(9):1675-1679. <https://doi.org/10.1016/j.eplepsyres.2014.08.014>

Hyppönen 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*. 76:72-78. <https://doi.org/10.1016/j.seizure.2020.01.014>

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*. 18(3):402-409. <https://doi.org/10.1111/j.1468-1331.2010.03162.x>

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*. 7:823-829. <https://doi.org/10.1016/j.nicl.2015.03.001>

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*. 9(11):1207-1209. <https://doi.org/10.5664/jcsm.3174>

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*. 234(1-2):141-147. <https://doi.org/10.1016/j.jneuroim.2011.02.009>

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*. 129(3):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*. 126(8):1557-1563. <https://doi.org/10.1016/j.clinph.2014.11.003>

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*. 34(3):191-198. <https://doi.org/10.1159/000341404>

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

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*. 36(5):540-550. <https://doi.org/10.1080/13803395.2014.913554>

Rimpiläinen V, Koulouri A, Lucka F, Kaipio JP, Wolters CH. 2019. Improved EEG source localization with Bayesian uncertainty modelling of unknown skull conductivity. *NeuroImage*. 188:252-260. <https://doi.org/10.1016/j.neuroimage.2018.11.058>

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*. 250(1-2):106-110. <https://doi.org/10.1016/j.jneuroim.2012.05.014>

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*. 53(12). <https://doi.org/10.1111/epi.12006>

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*. 36(5-6):336-343. <https://doi.org/10.1159/000355145>

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*. 144(A):128-141. <https://doi.org/10.1016/j.neuroimage.2016.09.049>

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*. 33(2):161-175. <https://doi.org/10.1007/s10548-020-00755-8>

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*. 10(8):1192-1196. <https://doi.org/10.1111/ijvs.12578>

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*. 38(7):3637-3647. <https://doi.org/10.1002/hbm.23619>

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*. 111:562-579. <https://doi.org/10.1016/j.neuroimage.2015.01.048>

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. teoksessa *In Vitro Neuronal Networks: From Culturing Methods to Neuro-Technological Applications*. Springer New York LLC. Sivut 299-329. (Advances in Neurobiology). [https://doi.org/10.1007/978-3-030-11135-9\\_13](https://doi.org/10.1007/978-3-030-11135-9_13)