

1: Hlavatá P, Linhartová P, Šumec R, Filip P, Světlák M, Baláž M, Kašpárek T, Bareš M. Behavioral and Neuroanatomical Account of Impulsivity in Parkinson's Disease. *Front Neurol.* 2020 Jan 10;10:1338. doi: 10.3389/fneur.2019.01338. eCollection 2019. PubMed PMID: 31998210; PubMed Central PMCID: PMC6965152.

2: Sheardova K, Vyhnaek M, Nedelska Z, Laczó J, Andel R, Marciniak R, Cerman J, Lerch O, Hort J. Czech Brain Aging Study (CBAS): prospective multicentre cohort study on risk and protective factors for dementia in the Czech Republic. *BMJ Open.* 2019 Dec 18;9(12):e030379. doi: 10.1136/bmjopen-2019-030379. PubMed PMID: 31857299; PubMed Central PMCID: PMC6937049.

3: Kuang H, Qiu W, Najm M, Dowlatshahi D, Mikulik R, Poppe AY, Puig J, Castellanos M, Sohn SI, Ahn SH, Calleja A, Jin A, Asil T, Asdaghi N, Field TS, Coutts S, Hill MD, Demchuk AM, Goyal M, Menon BK; INTERRSeCT Collaborators. Validation of an automated ASPECTS method on non-contrast computed tomography scans of acute ischemic stroke patients. *Int J Stroke.* 2019 Dec 18:1747493019895702. doi: 10.1177/1747493019895702. [Epub ahead of print] PubMed PMID: 31852412.

4: Kraus J, Roman R, Jurkovičová L, Mareček R, Mikl M, Brázdil M, Frick A. Social support modulates subjective and neural responses to sad mental imagery. *Behav Brain Res.* 2020 Feb 17;380:112433. doi: 10.1016/j.bbr.2019.112433. Epub 2019 Dec 13. PubMed PMID: 31843658.

5: Pupíková M, Rektorová I. Non-pharmacological management of cognitive impairment in Parkinson's disease. *J Neural Transm (Vienna).* 2019 Dec 10. doi: 10.1007/s00702-019-02113-w. [Epub ahead of print] Review. PubMed PMID: 31823066.

6: Kraus J, Frick A, Roman R, Jurkovičová L, Mareček R, Mikl M, Brázdil M, Fredrikson M. Soothing the emotional brain: modulation of neural activity to

personal emotional stimulation by social touch. *Soc Cogn Affect Neurosci*. 2019 Dec 10. pii: nsz090. doi: 10.1093/scan/nsz090. [Epub ahead of print] PubMed PMID: 31820813.

7: Jackova J, Sedova P, Brown RD Jr, Zvolsky M, Volna M, Baluchova J, Belaskova S, Bednarik J, Mikulik R. Risk Factors in Ischemic Stroke Subtypes: A Community-Based Study in Brno, Czech Republic. *J Stroke Cerebrovasc Dis*. 2020 Feb;29(2):104503. doi: 10.1016/j.jstrokecerebrovasdis.2019.104503. Epub 2019 Dec 7. PubMed PMID: 31818680.

8: Petroková H, Mašek J, Kuchař M, Vítečková Wünschová A, Štikarová J, Bartheldyová E, Kulich P, Hubatka F, Kotouček J, Knotigová PT, Vohlídalová E, Héžová R, Mašková E, Macaulay S, Dyr JE, Raška M, Mikulík R, Malý P, Turánek J. Targeting Human Thrombus by Liposomes Modified with Anti-Fibrin Protein Binders. *Pharmaceutics*. 2019 Dec 2;11(12). pii: E642. doi: 10.3390/pharmaceutics11120642. PubMed PMID: 31810280; PubMed Central PMCID: PMC6955937.

9: Doležalová I, Kunst J, Kojan M, Chrastina J, Baláž M, Brázdil M. Anterior thalamic deep brain stimulation in epilepsy and persistent psychiatric side effects following discontinuation. *Epilepsy Behav Rep*. 2019 Nov 5;12:100344. doi: 10.1016/j.ebr.2019.100344. eCollection 2019. PubMed PMID: 31799507; PubMed Central PMCID: PMC6883293.

10: Louis ED, Bares M, Benito-Leon J, Fahn S, Frucht SJ, Jankovic J, Ondo WG, Pal PK, Tan EK. Essential tremor-plus: a controversial new concept. *Lancet Neurol*. 2019 Nov 22. pii: S1474-4422(19)30398-9. doi: 10.1016/S1474-4422(19)30398-9. [Epub ahead of print] Review. PubMed PMID: 31767343.

11: Špiláková B, Shaw DJ, Czekóová K, Mareček R, Brázdil M. Getting into sync: Data-driven analyses reveal patterns of neural coupling that distinguish among different social exchanges. *Hum Brain Mapp*. 2020 Mar;41(4):1072-1083. doi:

10.1002/hbm.24861. Epub 2019 Nov 15. PubMed PMID: 31729105.

12: Krajcovicova L, Klobusiakova P, Rektorova I. Gray Matter Changes in Parkinson's and Alzheimer's Disease and Relation to Cognition. *Curr Neurol Neurosci Rep.* 2019 Nov 13;19(11):85. doi: 10.1007/s11910-019-1006-z. Review. PubMed PMID: 31720859; PubMed Central PMCID: PMC6854046.

13: Gensicke H, Evans JW, Al Ajlan FS, Dowlatshahi D, Najm M, Calleja AL, Puig J, Sohn SL, Ahn SH, Poppe AY, Mikulik R, Asdaghi N, Field TS, Jin A, Asil T, Boulanger JM, Hill MD, Goyal M, Demchuk AM, Menon BK; INTERSeCT Investigators. Comparison of different methods of thrombus permeability measurement and impact on recanalization in the INTERSeCT multinational multicenter prospective cohort study. *Neuroradiology.* 2019 Nov 12. doi: 10.1007/s00234-019-02320-y. [Epub ahead of print] PubMed PMID: 31713667.

14: Klimes P, Cimbalnik J, Brazdil M, Hall J, Dubeau F, Gotman J, Frauscher B. NREM sleep is the state of vigilance that best identifies the epileptogenic zone in the interictal electroencephalogram. *Epilepsia.* 2019 Dec;60(12):2404-2415. doi: 10.1111/epi.16377. Epub 2019 Nov 9. PubMed PMID: 31705527.

15: Rektorova I, Klobusiakova P, Balazova Z, Kropacova S, Sejnova Minsterova A, Grmela R, Skotakova A, Rektor I. Brain structure changes in nondemented seniors after six-month dance-exercise intervention. *Acta Neurol Scand.* 2020 Jan;141(1):90-97. doi: 10.1111/ane.13181. Epub 2019 Nov 6. PubMed PMID: 31613387.

16: Sykora M, Siarnik P, Szabo J, Turcani P, Krebs S, Lang W, Jakubicek S, Czosnyka M, Smielewski P. Baroreflex sensitivity is associated with post-stroke infections. An open, prospective study. *J Neurol Sci.* 2019 Nov 15;406:116450. doi: 10.1016/j.jns.2019.116450. Epub 2019 Sep 3. PubMed PMID: 31610381.

17: Coutts SB, Moreau F, Asdaghi N, Boulanger JM, Camden MC, Campbell BCV,

Demchuk AM, Field TS, Goyal M, Krause M, Mandzia J, Menon BK, Mikulik R, Penn AM, Swartz RH, Hill MD; Diagnosis of Uncertain-Origin Benign Transient Neurological Symptoms (DOUBT) Study Group. Rate and Prognosis of Brain Ischemia in Patients With Lower-Risk Transient or Persistent Minor Neurologic Events. *JAMA Neurol.* 2019 Sep 23. doi: 10.1001/jamaneurol.2019.3063. [Epub ahead of print] PubMed PMID: 31545347; PubMed Central PMCID: PMC6763989.

18: Rektorova I, Biundo R. Non-invasive brain stimulation to treat cognitive symptoms of Parkinson's disease. *Parkinsonism Relat Disord.* 2019 Sep;66:1-2. doi: 10.1016/j.parkreldis.2019.09.012. Epub 2019 Sep 14. PubMed PMID: 31542281.

19: Sojka P, Lošák J, Lamoš M, Bareš M, Kašpárek T, Brázdil M, Baláž M, Světlák M, Kočvarová J, Fialová J. Processing of Emotions in Functional Movement Disorder: An Exploratory fMRI Study. *Front Neurol.* 2019 Aug 14;10:861. doi: 10.3389/fneur.2019.00861. eCollection 2019. PubMed PMID: 31474926; PubMed Central PMCID: PMC6703143.

20: Cimbalnik J, Klimes P, Sladky V, Nejedly P, Jurak P, Pail M, Roman R, Daniel P, Guragain H, Brinkmann B, Brazdil M, Worrell G. Multi-feature localization of epileptic foci from interictal, intracranial EEG. *Clin Neurophysiol.* 2019 Oct;130(10):1945-1953. doi: 10.1016/j.clinph.2019.07.024. Epub 2019 Aug 5. PubMed PMID: 31465970; PubMed Central PMCID: PMC6759804.

21: Kropacova S, Mitterova K, Klobusiakova P, Brabenec L, Anderkova L, Nemcova-Elfmarkova N, Balazova Z, Rektor I, Grmela R, Svobodová L, Vaculikova P, Rektorova I. Cognitive effects of dance-movement intervention in a mixed group of seniors are not dependent on hippocampal atrophy. *J Neural Transm (Vienna).* 2019 Nov;126(11):1455-1463. doi: 10.1007/s00702-019-02068-y. Epub 2019 Aug 26. PubMed PMID: 31452049.

22: Linhartová P, Látalová A, Barteček R, Širůček J, Theiner P, Ejova A, Hlavatá

P, Kóša B, Jeřábková B, Bareš M, Kašpárek T. Impulsivity in patients with borderline personality disorder: a comprehensive profile compared with healthy people and patients with ADHD. *Psychol Med*. 2019 Aug 23;1-10. doi: 10.1017/S0033291719001892. [Epub ahead of print] PubMed PMID: 31439062.

23: Horakova D, Rockova P, Jircikova J, Dolezal T, Vachova M, Hradilek P, Valis M, Sucha J, Martinkova A, Ampapa R, Grunermelova M, Stetkarova I, Stourac P, Mares J, Dufek M, Kmetova E, Adamkova J, Hrniciarova T. Initiation of first disease-modifying treatment for multiple sclerosis patients in the Czech republic from 2013 to 2016: Data from the national registry ReMuS. *Mult Scler Relat Disord*. 2019 Oct;35:196-202. doi: 10.1016/j.msard.2019.08.003. Epub 2019 Aug 3. PubMed PMID: 31400559.

24: Tesar A, Matej R, Kukul J, Johanidesova S, Rektorova I, Vyhnaek M, Keller J, Eliasova I, Parobkova E, Smetakova M, Musova Z, Rusina R. Clinical Variability in P102L Gerstmann-Sträussler-Scheinker Syndrome. *Ann Neurol*. 2019 Nov;86(5):643-652. doi: 10.1002/ana.25579. Epub 2019 Sep 4. PubMed PMID: 31397917.

25: Nejedly P, Kremen V, Sladky V, Cimbalnik J, Klimes P, Plesinger F, Viscor I, Pail M, Halamek J, Brinkmann BH, Brazdil M, Jurak P, Worrell G. Exploiting Graphoelements and Convolutional Neural Networks with Long Short Term Memory for Classification of the Human Electroencephalogram. *Sci Rep*. 2019 Aug 6;9(1):11383. doi: 10.1038/s41598-019-47854-6. PubMed PMID: 31388101; PubMed Central PMCID: PMC6684807.

26: Veselý B, Koritáková E, Bohnen NI, Viszlavová D, Királová S, Valkovič P, Kurča E, Rektor I. The contribution of cerebrovascular risk factors, metabolic and inflammatory changes to cognitive decline in Parkinson's disease: preliminary observations. *J Neural Transm (Vienna)*. 2019 Oct;126(10):1303-1312. doi: 10.1007/s00702-019-02043-7. Epub 2019 Jul 22. PubMed PMID: 31332506; PubMed

Central PMCID: PMC6959128.

27: Alexandrov AV, Tsivgoulis G, Köhrmann M, Katsanos AH, Soenne L, Barreto AD, Rothlisberger T, Sharma VK, Mikulik R, Muir KW, Levi CR, Molina CA, Saqqur M, Mavridis D, Psaltopoulou T, Vosko MR, Fiebach JB, Mandava P, Kent TA, Alexandrov AW, Schellinger PD; CLOTBUST-ER Trial Investigators. Endovascular equipoise shift in a phase III randomized clinical trial of sonothrombolysis for acute ischemic stroke. *Ther Adv Neurol Disord*. 2019 Jul 12;12:1756286419860652. doi: 10.1177/1756286419860652. eCollection 2019. PubMed PMID: 31320933; PubMed Central PMCID: PMC6628520.

28: Konečná K, Lyčka M, Nohelová L, Petráková M, Fňášková M, Koriťáková E, Sováková PP, Brabencová S, Preiss M, Rektor I, Fajkus J, Fojtová M. Holocaust history is not reflected in telomere homeostasis in survivors and their offspring. *J Psychiatr Res*. 2019 Oct;117:7-14. doi: 10.1016/j.jpsychires.2019.06.018. Epub 2019 Jun 25. PubMed PMID: 31255955.

29: Arab A, Ruda-Kucerova J, Minsterova A, Drazanova E, Szabó N, Starcuk Z Jr, Rektorova I, Khairnar A. Diffusion Kurtosis Imaging Detects Microstructural Changes in a Methamphetamine-Induced Mouse Model of Parkinson's Disease. *Neurotox Res*. 2019 Nov;36(4):724-735. doi: 10.1007/s12640-019-00068-0. Epub 2019 Jun 18. PubMed PMID: 31209787.

30: Rektorova I. Imaging Parkinson's disease using functional and diffusion MRI. *Parkinsonism Relat Disord*. 2019 May;62:1-2. doi: 10.1016/j.parkreldis.2019.06.006. Epub 2019 Jun 7. PubMed PMID: 31196700.

31: Markova H, Nikolai T, Mazancova AF, Cechova K, Sheardova K, Georgi H, Kopecek M, Laczó J, Hort J, Vyhnalek M. Differences in Subjective Cognitive Complaints Between Non-Demented Older Adults from a Memory Clinic and the Community. *J Alzheimers Dis*. 2019;70(1):61-73. doi: 10.3233/JAD-180630. PubMed PMID: 31177209.

32: Czekóová K, Shaw DJ, Saxunová K, Dufek M, Mareček R, Vaníček J, Brázdil M. Impaired Self-Other Distinction and Subcortical Gray-Matter Alterations Characterize Socio-Cognitive Disturbances in Multiple Sclerosis. *Front Neurol*. 2019 May 21;10:525. doi: 10.3389/fneur.2019.00525. eCollection 2019. PubMed PMID: 31164860; PubMed Central PMCID: PMC6536606.

33: Hope TR, Selnes P, Rektorová I, Anderkova L, Nemcova-Elfmarkova N, Balážová Z, Dale A, Bjørnerud A, Fladby T. Diffusion tensor and restriction spectrum imaging reflect different aspects of neurodegeneration in Parkinson's disease. *PLoS One*. 2019 May 31;14(5):e0217922. doi: 10.1371/journal.pone.0217922. eCollection 2019. PubMed PMID: 31150514; PubMed Central PMCID: PMC6544302.

34: Krepelkova I, Mrackova T, Izakova J, Dvorakova B, Chalupova L, Mikulik R, Slaby O, Bartos M, Ruzicka V. Evaluation of miRNA detection methods for the analytical characteristic necessary for clinical utilization. *Biotechniques*. 2019 Jun;66(6):277-284. doi: 10.2144/btn-2019-0021. Epub 2019 May 24. PubMed PMID: 31124705.

35: Brázdil M, Doležalová I, Koritáková E, Chládek J, Roman R, Pail M, Jurák P, Shaw DJ, Chrastina J. EEG Reactivity Predicts Individual Efficacy of Vagal Nerve Stimulation in Intractable Epileptics. *Front Neurol*. 2019 May 2;10:392. doi: 10.3389/fneur.2019.00392. eCollection 2019. PubMed PMID: 31118916; PubMed Central PMCID: PMC6507513.

36: Řehulka P, Cimbálník J, Pail M, Chrastina J, Hermanová M, Brázdil M. Hippocampal high frequency oscillations in unilateral and bilateral mesial temporal lobe epilepsy. *Clin Neurophysiol*. 2019 Jul;130(7):1151-1159. doi: 10.1016/j.clinph.2019.03.026. Epub 2019 Apr 10. PubMed PMID: 31100580.

37: van Eimeren T, Antonini A, Berg D, Bohnen N, Ceravolo R, Drzezga A, Höglinger

GU, Higuchi M, Lehericy S, Lewis S, Monchi O, Nestor P, Ondrus M, Pavese N, Peralta MC, Piccini P, Pineda-Pardo JÁ, Rektorová I, Rodríguez-Oroz M, Rominger A, Seppi K, Stoessl AJ, Tessitore A, Thobois S, Kaasinen V, Wenning G, Siebner HR, Strafella AP, Rowe JB. Neuroimaging biomarkers for clinical trials in atypical parkinsonian disorders: Proposal for a Neuroimaging Biomarker Utility System. *Alzheimers Dement (Amst)*. 2019 Apr 2;11:301-309. doi: 10.1016/j.dadm.2019.01.011. eCollection 2019 Dec. PubMed PMID: 30984816; PubMed Central PMCID: PMC6446052.

38: Healey JS, Gladstone DJ, Swaminathan B, Eckstein J, Mundl H, Epstein AE, Haeusler KG, Mikulik R, Kasner SE, Toni D, Arauz A, Ntaios G, Hankey GJ, Perera K, Pagola J, Shuaib A, Lutsep H, Yang X, Uchiyama S, Endres M, Coutts SB, Karlinski M, Czlonkowska A, Molina CA, Santo G, Berkowitz SD, Hart RG, Connolly SJ. Recurrent Stroke With Rivaroxaban Compared With Aspirin According to Predictors of Atrial Fibrillation: Secondary Analysis of the NAVIGATE ESUS Randomized Clinical Trial. *JAMA Neurol*. 2019 Jul 1;76(7):764-773. doi: 10.1001/jamaneurol.2019.0617. PubMed PMID: 30958508; PubMed Central PMCID: PMC6583060.

39: Cooray C, Mazya M, Mikulik R, Jurak L, Brozman M, Ringleb P, Dixit A, Toni D, Ahmed N. Safety and Outcome of Intravenous Thrombolysis in Stroke Patients on Prophylactic Doses of Low Molecular Weight Heparins at Stroke Onset. *Stroke*. 2019 May;50(5):1149-1155. doi: 10.1161/STROKEAHA.118.024575. PubMed PMID: 30943884.

40: Alexandrov AV, Köhrmann M, Soenne L, Tsivgoulis G, Barreto AD, Demchuk AM, Sharma VK, Mikulik R, Muir KW, Brandt G, Alleman J, Grotta JC, Levi CR, Molina CA, Saqqur M, Mavridis D, Psaltopoulou T, Vosko M, Fiebach JB, Mandava P, Kent TA, Alexandrov AW, Schellinger PD; CLOTBUST-ER Trial Investigators. Safety and efficacy of sonothrombolysis for acute ischaemic stroke: a multicentre, double-blind, phase 3, randomised controlled trial. *Lancet Neurol*. 2019 Apr;18(4):338-347. doi: 10.1016/S1474-4422(19)30026-2. PubMed PMID: 30878103.

41: Yogendrakumar V, Al-Ajlan F, Najm M, Puig J, Calleja A, Sohn SI, Ahn SH, Mikulik R, Asdaghi N, Field TS, Jin A, Asil T, Boulanger JM, Hill MD, Demchuk AM, Menon BK, Dowlatshahi D; INTERSeCT Investigators. Clot Burden Score and Early Ischemia Predict Intracranial Hemorrhage following Endovascular Therapy. *AJNR Am J Neuroradiol*. 2019 Apr;40(4):655-660. doi: 10.3174/ajnr.A6009. Epub 2019 Mar 14. PubMed PMID: 30872416.

42: Salsone M, Caligiuri ME, Vescio V, Arabia G, Cherubini A, Nicoletti G, Morelli M, Quattrone A, Vescio B, Nisticò R, Novellino F, Cascini GL, Sabatini U, Montilla M, Rektor I, Quattrone A. Microstructural changes of normal-appearing white matter in Vascular Parkinsonism. *Parkinsonism Relat Disord*. 2019 Jun;63:60-65. doi: 10.1016/j.parkreldis.2019.02.046. Epub 2019 Mar 1. PubMed PMID: 30852150.

43: Rektorova I. Current treatment of behavioral and cognitive symptoms of Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Feb;59:65-73. doi: 10.1016/j.parkreldis.2019.02.042. Epub 2019 Feb 28. PubMed PMID: 30852149.

44: Filip P, Gallea C, Lehericy S, Lungu O, Bareš M. Neural Scaffolding as the Foundation for Stable Performance of Aging Cerebellum. *Cerebellum*. 2019 Jun;18(3):500-510. doi: 10.1007/s12311-019-01015-7. PubMed PMID: 30827012.

45: Labounek R, Bridwell DA, Mareček R, Lamoš M, Mikl M, Bednařík P, Baštinec J, Slavíček T, Hlušík P, Brázdil M, Jan J. EEG spatio-spectral patterns and their link to fMRI BOLD signal via variable hemodynamic response functions. *J Neurosci Methods*. 2019 Apr 15;318:34-46. doi: 10.1016/j.jneumeth.2019.02.012. Epub 2019 Feb 22. PubMed PMID: 30802472.

46: Klobušíková P, Mareček R, Fousek J, Výtvarová E, Rektorová I. Connectivity Between Brain Networks Dynamically Reflects Cognitive Status of Parkinson's

Disease: A Longitudinal Study. *J Alzheimers Dis.* 2019;67(3):971-984. doi: 10.3233/JAD-180834. PubMed PMID: 30776007; PubMed Central PMCID: PMC6398554.

47: Špiláková B, Shaw DJ, Czekóová K, Brázdil M. Dissecting social interaction: dual-fMRI reveals patterns of interpersonal brain-behavior relationships that dissociate among dimensions of social exchange. *Soc Cogn Affect Neurosci.* 2019 Feb 13;14(2):225-235. doi: 10.1093/scan/nsz004. PubMed PMID: 30649548; PubMed Central PMCID: PMC6374606.

48: Balážová Z, Nováková M, Minsterová A, Rektorová I. Structural and Functional Magnetic Resonance Imaging of Dementia With Lewy Bodies. *Int Rev Neurobiol.* 2019;144:95-141. doi: 10.1016/bs.irn.2018.10.005. Epub 2018 Nov 28. Review. PubMed PMID: 30638458.

49: Dorňák T, Justanová M, Konvalinková R, Říha M, Mužík J, Hoskovcová M, Srp M, Navrátilová D, Otruba P, Gál O, Svobodová I, Dušek L, Bareš M, Kaňovský P, Jech R. Prevalence and evolution of spasticity in patients suffering from first-ever stroke with carotid origin: a prospective, longitudinal study. *Eur J Neurol.* 2019 Jun;26(6):880-886. doi: 10.1111/ene.13902. Epub 2019 Feb 8. PubMed PMID: 30623522.

50: Česká K, Aulická Š, Horák O, Danhofer P, Říha P, Mareček R, Šenkyřík J, Rektor I, Brázdil M, Ošlejšková H. Autosomal dominant temporal lobe epilepsy associated with heterozygous reelin mutation: 3 T brain MRI study with advanced neuroimaging methods. *Epilepsy Behav Case Rep.* 2018 Nov 1;11:39-42. doi: 10.1016/j.ebcr.2018.10.003. eCollection 2019. PubMed PMID: 30619712; PubMed Central PMCID: PMC6313257.

51: Bočková M, Rektor I. Impairment of brain functions in Parkinson's disease reflected by alterations in neural connectivity in EEG studies: A viewpoint. *Clin Neurophysiol.* 2019 Feb;130(2):239-247. doi: 10.1016/j.clinph.2018.11.013. Epub

2018 Dec 3. Review. PubMed PMID: 30580247.

52: Tyrlikova I, Brazdil M, Rektor I, Tyrlik M. Perampanel as monotherapy and adjunctive therapy for focal onset seizures, focal to bilateral tonic-clonic seizures and as adjunctive therapy of generalized onset tonic-clonic seizures. *Expert Rev Neurother*. 2019 Jan;19(1):5-16. doi: 10.1080/14737175.2019.1555474. Epub 2018 Dec 18. PubMed PMID: 30560703.

53: Roussopoulou A, Tsvigoulis G, Krogias C, Lazaris A, Moulakakis K, Georgiadis GS, Mikulik R, Kakisis JD, Zompola C, Faissner S, Chondrogianni M, Liantinioti C, Hummel T, Safouris A, Matsota P, Voumvourakis K, Lazarides M, Geroulakos G, Vasdekis SN. Safety of urgent endarterectomy in acute non-disabling stroke patients with symptomatic carotid artery stenosis: an international multicenter study. *Eur J Neurol*. 2019 Apr;26(4):673-679. doi: 10.1111/ene.13876. Epub 2018 Dec 26. PubMed PMID: 30472766.

54: Oppedal K, Ferreira D, Cavallin L, Lemstra AW, Ten Kate M, Padovani A, Rektorova I, Bonanni L, Wahlund LO, Engedal K, Nobili F, Kramberger M, Taylor JP, Hort J, Snædal J, Blanc F, Walker Z, Antonini A, Westman E, Aarsland D; Alzheimer's Disease Neuroimaging Initiative. A signature pattern of cortical atrophy in dementia with Lewy bodies: A study on 333 patients from the European DLB consortium. *Alzheimers Dement*. 2019 Mar;15(3):400-409. doi: 10.1016/j.jalz.2018.09.011. Epub 2018 Nov 12. PubMed PMID: 30439333.

55: Shaw D, Czekóová K, Gajdoš M, Staněk R, Špalek J, Brázdil M. Social decision-making in the brain: Input-state-output modelling reveals patterns of effective connectivity underlying reciprocal choices. *Hum Brain Mapp*. 2019 Feb 1;40(2):699-712. doi: 10.1002/hbm.24446. Epub 2018 Nov 15. PubMed PMID: 30431199; PubMed Central PMCID: PMC6587762.

56: Jakubicek S, Krebs S, Posekany A, Ferrari J, Szabo J, Siarnik P, Lang W,

Sykora M. Modified DWI-FLAIR mismatch guided thrombolysis in unknown onset stroke. *J Thromb Thrombolysis*. 2019 Feb;47(2):167-173. doi: 10.1007/s11239-018-1766-3. PubMed PMID: 30415393.

57: Gómez-Vilda P, Gómez-Rodellar A, Vicente JMF, Mekyska J, Palacios-Alonso D, Rodellar-Biarge V, Álvarez-Marquina A, Eliasova I, Kostalova M, Rektorova I. Neuromechanical Modelling of Articulatory Movements from Surface Electromyography and Speech Formants. *Int J Neural Syst*. 2019 Mar;29(2):1850039. doi: 10.1142/S0129065718500399. Epub 2018 Aug 29. PubMed PMID: 30409059.

58: Bartoň M, Mareček R, Krajčovičová L, Slavíček T, Kašpárek T, Zemánková P, Říha P, Mikl M. Evaluation of different cerebrospinal fluid and white matter fMRI filtering strategies-Quantifying noise removal and neural signal preservation. *Hum Brain Mapp*. 2019 Mar;40(4):1114-1138. doi: 10.1002/hbm.24433. Epub 2018 Nov 7. PubMed PMID: 30403309.

59: Marečková K, Klasnja A, Andryšková L, Brázdil M, Paus T. Developmental origins of depression-related white matter properties: Findings from a prenatal birth cohort. *Hum Brain Mapp*. 2019 Mar;40(4):1155-1163. doi: 10.1002/hbm.24435. Epub 2018 Oct 27. PubMed PMID: 30367731.

60: Grey MT, Veselý B, Gajdoš M, Klobošáková P, Rektor I. Contribution of white matter lesions to cognitive decline in Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Apr;61:248-249. doi: 10.1016/j.parkreldis.2018.10.015. Epub 2018 Oct 16. PubMed PMID: 30343982.

61: Brabenec L, Klobošáková P, Barton M, Mekyska J, Galaz Z, Zvoncak V, Kiska T, Mucha J, Smekal Z, Kostalova M, Rektorova I. Non-invasive stimulation of the auditory feedback area for improved articulation in Parkinson's disease. *Parkinsonism Relat Disord*. 2019 Apr;61:187-192. doi: 10.1016/j.parkreldis.2018.10.011. Epub 2018 Oct 10. PubMed PMID: 30337204.

62: Gómez-Vilda P, Galaz Z, Mekyska J, Vicente JMF, Gómez-Rodellar A, Palacios-Alonso D, Smekal Z, Eliasova I, Kostalova M, Rektorova I. Vowel Articulation Dynamic Stability Related to Parkinson's Disease Rating Features: Male Dataset. *Int J Neural Syst*. 2019 Mar;29(2):1850037. doi: 10.1142/S0129065718500375. Epub 2018 Aug 19. PubMed PMID: 30336711.

63: Bareš M, Apps R, Avanzino L, Breska A, D'Angelo E, Filip P, Gerwig M, Ivry RB, Lawrenson CL, Louis ED, Lusk NA, Manto M, Meck WH, Mitoma H, Petter EA. Consensus paper: Decoding the Contributions of the Cerebellum as a Time Machine. From Neurons to Clinical Applications. *Cerebellum*. 2019 Apr;18(2):266-286. doi: 10.1007/s12311-018-0979-5. PubMed PMID: 30259343.

64: Kunst J, Marecek R, Klobusiakova P, Balazova Z, Anderkova L, Nemcova-Elfmarkova N, Rektorova I. Patterns of Grey Matter Atrophy at Different Stages of Parkinson's and Alzheimer's Diseases and Relation to Cognition. *Brain Topogr*. 2019 Jan;32(1):142-160. doi: 10.1007/s10548-018-0675-2. Epub 2018 Sep 11. PubMed PMID: 30206799.

65: Nejedly P, Cimbalnik J, Klimes P, Plesinger F, Halamek J, Kremen V, Viscor I, Brinkmann BH, Pail M, Brazdil M, Worrell G, Jurak P. Intracerebral EEG Artifact Identification Using Convolutional Neural Networks. *Neuroinformatics*. 2019 Apr;17(2):225-234. doi: 10.1007/s12021-018-9397-6. PubMed PMID: 30105544; PubMed Central PMCID: PMC6459786.

66: Marecková K, Klasnja A, Bencurova P, Andryšková L, Brázdil M, Paus T. Prenatal Stress, Mood, and Gray Matter Volume in Young Adulthood. *Cereb Cortex*. 2019 Mar 1;29(3):1244-1250. doi: 10.1093/cercor/bhy030. PubMed PMID: 29425268; PubMed Central PMCID: PMC6373666.