

1: LINHARTOVÁ, Pavla, Adéla LÁTALOVÁ, Richard BARTEČEK, Jan ŠIRŮČEK, Pavel THEINER, Anastasia EJOVA, Pavlína HLAVATÁ, Barbora KÓŠA, Barbora JEŘÁBKOVÁ, Martin BAREŠ a Tomáš KAŠPÁREK. Impulsivity in patients with borderline personality disorder : a comprehensive profile compared with healthy people and patients with ADHD. *Psychological Medicine*. New York: Cambridge University Press, 2020, roč. 50, č. 11, s. 1829-1838. ISSN 0033-2917. doi:10.1017/S0033291719001892.

2: STRÝČEK, Ondřej, Jiří FIEDLER a Ivan REKTOR. Paroxysmal dystonia due to cervical spinal cord tumor. *Parkinsonism & Related Disorders*. Oxford: Elsevier, 2020, roč. 79, OCT 2020, s. 1-2. ISSN 1353-8020. doi:10.1016/j.parkreldis.2020.08.011.

3: LOUIS, Elan D., Martin BAREŠ, Julian BENITO-LEON, Stanley FAHN, Steven J. FRUCHT, Joseph JANKOVIC, William G. ONDO, Pramod K. PAL a Eng-King TAN. Essential tremor-plus: a controversial new concept. *Lancet Neurology*. London, UK: Elsevier, 2020, roč. 19, č. 3, s. 266-270. ISSN 1474-4422. doi:10.1016/S1474-4422(19)30398-9.

4: GREY, Viktória, Patrícia KLOBUŠIAKOVÁ a Eduard MINKS. Can repetitive transcranial magnetic stimulation of the visual cortex ameliorate the state of patients with visual snow? *Bratislava Medical Journal - Bratislavské lekárske listy*. BRATISLAVA: Univerzita Komenského, 2020, roč. 121, č. 6, s. 395-399. ISSN 0006-9248. doi:10.4149/BLL_2020_064.

5: MARCIÁN, Václav, Radek MAREČEK, Martin PAIL a Milan BRÁZDIL. Cerebrocerebellar structural covariance in temporal lobe epilepsy with hippocampal sclerosis. *Epilepsy & Behavior*. San Diego: Elsevier, 2020, roč. 111, OCT 2020, s. 1-8. ISSN 1525-5050. doi:10.1016/j.yebeh.2020.107180.

6: FRAUSCHER, Birgit, Nicolas VON ELLENRIEDER, Irena DOLEŽALOVÁ, Sarah BOUHADOUN, Jean GOTMAN a Laure PETER-DEREX. Rapid Eye Movement Sleep Sawtooth Waves Are Associated with Widespread Cortical Activations. *JOURNAL OF NEUROSCIENCE*. WASHINGTON: SOC NEUROSCIENCE, 2020, roč. 40, č. 46, s. 8900-8912. ISSN 0270-6474. doi:10.1523/JNEUROSCI.1586-20.2020.

7: CIMBALNIK, Jan, Martin PAIL, Petr KLIMES, Vojtech TRAVNICEK, Robert ROMAN, Adam VAJČNER a Milan BRÁZDIL. Cognitive Processing Impacts High Frequency Intracranial EEG Activity of Human Hippocampus in Patients With Pharmacoresistant Focal Epilepsy. *FRONTIERS IN NEUROLOGY*. LAUSANNE: FRONTIERS MEDIA SA, 2020, roč. 11, OCT 2020, s. 1-10. ISSN 1664-2295. doi:10.3389/fneur.2020.578571.

8: ŘEHULKA, Pavel, Martin VRUBEL, Tomáš NEŽÁDAL a Milan BRÁZDIL. Socioekonomické dopady bolestí hlavy - příčiny a možnosti ovlivnění. *ČESKA A SLOVENSKA NEUROLOGIE A NEUROCHIRURGIE*. Praha: CZECH MEDICAL SOC, 2020, roč. 83, č. 5, s. 499-503. ISSN 1210-7859. doi:10.14735/amcsnn2020499.

9: KOZAKOVA, Eva, Eduard BAKSTEIN, Ondrej HAVLICEK, Ondřej BEČEV, Pavel KNYTL, Yuliya ZAYTSEVA a Filip SPANIEL. Disrupted Sense of Agency as a State Marker of First-Episode Schizophrenia: A Large-Scale Follow-Up Study. *Frontiers in Psychiatry*. Lausanne: Frontiers, 2020, roč. 11, DEC 2020, s. 1-9. ISSN 1664-0640. doi:10.3389/fpsy.2020.570570.

10: EDVINSSON, J. C. A., A. VIGANO, A. ALEKSEEVA, E. ALIEVA, R. ARRUDA, C. DE LUCA, N. D'ETTORE, I. FRATTALE, M. KURNUKHINA, N. MACEROLA, E. MALENKOVA, M. MAIOROVA, A. NOVIKOVA, Pavel ŘEHULKA, V. RAPACCINI, O. ROSHCHINA, G. VANDERSCHUEREN, L. ZVAUNE, A. P. ANDREOU a K. A. HAANES. The fifth cranial nerve in headaches. *JOURNAL OF HEADACHE AND PAIN*. LONDON: BMC, 2020, roč. 21, č. 1, s. 1-17. ISSN 1129-2369. doi:10.1186/s10194-020-01134-1.

11: TSIVGOULIS, G., M. SAQQUR, V. K. SHARMA, A. BRUNSER, J. EGGERS, Robert MIKULÍK, A. H. KATSANOS, T. N. SERGENTANIS, K. VADIKOLIAS, F. PERREN, M. RUBIERA, R. B. SHAHRIPOUR, H. T. NGUYEN, P. MARTINEZ-SANCHEZ, A. SAFOURIS, I. HELIOPOULOS, A. SHUAIB, C. DERKSEN, K. VOUMVOURAKIS, T. PSALTOPOULOU, A. W. ALEXANDROV a A. V. ALEXANDROV. Timing of Recanalization and Functional Recovery in Acute Ischemic Stroke. *JOURNAL OF STROKE*. SEOUL: KOREAN STROKE SOC, 2020, roč. 22, č. 1, s. "130-140+1-9", 20 s. ISSN 2287-6391. doi:10.5853/jos.2019.01648.

12: BŮŘIL, Jiří, Petra BŮŘILOVÁ, Andrea POKORNÁ a Marek BALÁŽ. Use of high-density EEG in patients with Parkinson's disease treated with deep brain stimulation. *Biomedical Papers*. Olomouc: Palacky University, 2020, roč. 164, č. 4, s. 366-370. ISSN 1213-8118. doi:10.5507/bp.2020.042.

13: KRAJICKOVA, Dagmar, Jiří KRÁL, Roman HERZIG, L'udovit KLZO, Antonin KRAJINA, Jaroslav HAVELKA, Libor SIMUNEK, Oldrich VYSATA, Tran Van QUANG, Michal BAR a Martin VALIS. Factors influencing therapy choice and clinical outcome in cerebral venous sinus thrombosis. *Scientific Reports*. USA: NATURE RESEARCH, 2020, roč. 10, č. 1, s. 1-8. ISSN 2045-2322. doi:10.1038/s41598-020-78434-8.

14: AULICKÁ, Štefánia, Katarína ČESKÁ, Jiří ŠÁNA, Tomáš LOJA, Petr JABANDŽIEV, Jan PAPEŽ, Pavlína DANHOFER, Hana VINOHRADSKÁ, Irena DOLEŽALOVÁ, Milan BRÁZDIL, Petr ŠTOURAČ, Hana OŠLEJŠKOVÁ a Ondřej SLABÝ. Role zánětu v etiopatogenezi farmakorezistentní epilepsie a refrakterního status epilepticus. *Česká a slovenská neurologie a neurochirurgie*. Praha: CZECH MEDICAL SOC, 2020, roč. 83, č. 1, s. 8-13. ISSN 1210-7859. doi:10.14735/amcsnn20208.

15: BŮŘIL, Jiří, Petra BŮŘILOVÁ a Andrea POKORNÁ. Primární non-Hodgkinův B-lymfom centrálního nervového systému. *Ceska a slovenska neurologie a neurochirurgie*. Prague: CZECH MEDICAL SOC, 2020, roč. 83, č. 1, s. 105-107. ISSN 1210-7859. doi:10.14735/amcsnn2019105.

16: GENSICKE, H., J. W. EVANS, F. S. AL AJLAN, D. DOWLATSHAHI, M. NAJM, A. L. CALLEJA, J. PUIG, S. L. SOHN, S. H. AHN, A. Y. POPPE, Robert MIKULÍK, N. ASDAGHI, T. S. FIELD, A. JIN, T. ASIL, J. M. BOULANGER, M. D. HILL, M. GOYAL, A. M. DEMCHUK a B. K. MENON. Comparison of different methods of thrombus permeability measurement and impact on recanalization in the INTERRSeCT multinational multicenter prospective cohort study. *NEURORADIOLOGY*. NEW YORK: SPRINGER, 2020, roč. 62, č. 3, s. 301-306. ISSN 0028-3940. doi:10.1007/s00234-019-02320-y.

17: HLA VATÁ, Pavlína, Pavla LINHARTOVÁ, Rastislav ŠUMEC, Pavel FILIP, Miroslav SVĚTLÁK, Marek BALÁŽ, Tomáš KAŠPÁREK a Martin BAREŠ. Behavioral and Neuroanatomical Account of Impulsivity in Parkinson's Disease. *FRONTIERS IN NEUROLOGY*. LAUSANNE: FRONTIERS MEDIA SA, 2020, roč. 10, JAN 10 2020, s. 1-12. ISSN 1664-2295. doi:10.3389/fneur.2019.01338.

18: LEHTO, Lauri J., Antonietta CANNA, Lin WU, Alejandra SIERRA, Ekaterina ZHURAKOVSKAYA, Jun MA, Clairice PEARCE, Maple SHAIQ, Pavel FILIP, Matthew D. JOHNSON, Walter C. LOW, Olli GROHN, Heikki TANILA, Silvia MANGIA a Shalom MICHAELI. Orientation selective deep brain stimulation of the subthalamic nucleus in rats. *Neuroimage*. SAN DIEGO: ACADEMIC PRESS INC ELSEVIER SCIENCE, 2020, roč. 213, JUN 2020, s. 1-10. ISSN 1053-8119. doi:10.1016/j.neuroimage.2020.116750.

19: KRÁL, Jiří, Martin CABAL, Linda KASICKOVA, Jaroslav HAVELKA, Tomáš JONSZTA, Ondřej VOLNÝ a Michal BAR. Machine learning volumetry of ischemic brain lesions on CT after thrombectomy-prospective diagnostic accuracy study in ischemic stroke patients. *NEURORADIOLOGY*. NEW YORK: SPRINGER, 2020, roč. 62, č. 10, s. 1239-1245. ISSN 0028-3940. doi:10.1007/s00234-020-02419-7.

20: LABASTIDA-RAMIREZ, Alejandro, Silvia BENEMEI, Maria ALBANESE, Antonina AMICO, Giovanni GRILLO, Oxana GROSU, Harika ERTEM, Jasper MECKLENBURG, Elena Petrovna FEDOROVA, Pavel ŘEHULKA, Francesca Schiano DI COLA, Javier Trigo LOPEZ, Nina VASHCHENKO, Antoinette MAASSENVANDENBRINK a Paolo MARTELLETTI. Persistent post-traumatic headache: a migrainous loop or not? The clinical evidence. *JOURNAL OF HEADACHE AND PAIN*. LONDON: BMC, 2020, roč. 21, č. 1, s. 1-15. ISSN 1129-2369. doi:10.1186/s10194-020-01122-5.

21: SIMECKOVA, Pavlina, Frantisek HUBATKA, Jan KOTOUCEK, Pavlina KNOTIGOVA TURANEK, Josef MASEK, Josef SLAVIK, Ondrej KOVAC, Jiri NECA, Pavel KULICH, Dominik HREBÍK, Jana STRASKA, Katerina PENCIKOVA, Jirina PROCHAZKOVA, Pavel DIVIS, Stuart MACAULAY, Robert MIKULÍK, Milan RASKA, Miroslav MACHALA a Jaroslav TURÁNEK. Gadolinium labelled nanoliposomes as the platform for MRI theranostics: in vitro safety study in liver cells and macrophages. *Scientific reports*. LONDON: NATURE PUBLISHING GROUP, 2020, roč. 10, č. 1, s. 1-13. ISSN 2045-2322. doi:10.1038/s41598-020-60284-z.

22: AMERISO, S. F., P. AMARENCO, L. A. PEARCE, K. S. PERERA, G. NTAIOS, W. LANG, D. BEREZKI, S. UCHIYAMA, S. E. KASNER, B. W. YOON, P. LAVADOS, A. FIRSTENFELD, Robert MIKULÍK, G. P. POVEDANO, J. FERRARI, H. MUNDL, S. D. BERKOWITZ, S. J. CONNOLLY a R. G. HART. Intracranial and systemic atherosclerosis in the NAVIGATE ESUS trial: Recurrent stroke risk and response to antithrombotic therapy. JOURNAL OF STROKE & CEREBROVASCULAR DISEASES. AMSTERDAM: ELSEVIER SCIENCE BV, 2020, roč. 29, č. 8, s. 1-8. ISSN 1052-3057. doi:10.1016/j.jstrokecerebrovasdis.2020.104936.

23: SHOAMANESH, A., R. G. HART, S. J. CONNOLLY, SE KASNER, E. E. SMITH, J. MARTI-FABREGAS, Y. Y. LIU, S. UCHIYAMA, Robert MIKULÍK, R. VELTKAMP, M. J. O DONNELL, G. NTAIOS, K. W. MUIR, T. S. FIELD, G. C. SANTO, V. OLAVARRIA, H. MUNDL, H. LUTSEP, S. D. BERKOWITZ a M. SHARMA. Microbleeds and the Effect of Anticoagulation in Patients With Embolic Stroke of Undetermined Source An Exploratory Analysis of the NAVIGATE ESUS Randomized Clinical Trial. JAMA neurology. Chicago, IL: American Medical Association, 2020, roč. 78, č. 1, s. 11-20. ISSN 2168-6149. doi:10.1001/jamaneurol.2020.3836.

24: PAIL, Martin, Jan CIMBALNIK, Robert ROMAN, Pavel DANIEL, Daniel Joel SHAW, Jan CHRASTINA a Milan BRÁZDIL. High frequency oscillations in epileptic and non-epileptic human hippocampus during a cognitive task. Scientific reports. LONDON: NATURE PUBLISHING GROUP, 2020, roč. 10, č. 1, s. 1-12. ISSN 2045-2322. doi:10.1038/s41598-020-74306-3.

25: VOLNÝ, Ondřej, Charlotte ZERNA, Ales TOMEK, Michal BAR, Miloslav ROCEK, Radek PADR, Filip CIHLAR, Miroslava NEVSIMALOVA, Lubomir JURAK, Roman HAVLICEK, Martin KOVAR, Petr SEVCIK, Vladimír ROHAN, Jan FIKSA, David CERNIK, Rene JURA, Daniel VACLAVIK, Petra CIMFLOVÁ, Josep PUIG, Dar DOWLATSHAHI, Alexander V. KHAW, Enrico FAINARDI, Mohamed NAJM, Andrew M. DEMCHUK, Bijoy K. MENON, Robert MIKULÍK a Michael D. HILL. Thrombectomy vs medical management in low NIHSS acute anterior circulation stroke. Neurology. Philadelphia: LIPPINCOTT WILLIAMS & WILKINS, 2020, roč. 95, č. 24, s. "E3364"- "E3372", 9 s. ISSN 0028-3878. doi:10.1212/WNL.0000000000010955.

26: JACKOVÁ, Jana, Petra ŠEDO VÁ, Robert D., Jr. BROWN, Miroslav ZVOLSKÝ, Silvie BĚLAŠKOVÁ, Michaela VOLNÁ, Jana BALUCHOVÁ, Josef BEDNAŘÍK a Robert MIKULÍK. Risk Factors in Ischemic Stroke Subtypes: a Community-Based Study in Brno, Czech Republic. Journal of Stroke & Cerebrovascular Diseases. Amsterdam: Elsevier, 2020, roč. 29, č. 2, s. 1-8. ISSN 1052-3057. doi:10.1016/j.jstrokecerebrovasdis.2019.104503.

27: KRAUS, Jakub, Robert ROMAN, Lenka LACINOVÁ, Martin LAMOŠ, Milan BRÁZDIL a Mats FREDRIKSON. Imagery-induced negative affect, social touch and frontal EEG power band activity. Scandinavian Journal of Psychology. Hoboken: Wiley, 2020, roč. 61, č. 6, s. 731-739. ISSN 0036-5564. doi:10.1111/sjop.12661.

28: FILIP, Pavel, Alena SVATKOVA, Adam F. CARPENTER, Lynn E. EBERLY, Igor NESTRASIL, Mikko J. NISSI, Shalom MICHAELI a Silvia MANGIA. Rotating frame MRI relaxations as markers of diffuse white matter abnormalities in multiple sclerosis. *NeuroImage: Clinical*. Oxford: Elsevier BV, 2020, roč. 26, č. 2020, s. 1-12. ISSN 2213-1582. doi:10.1016/j.nicl.2020.102234.

29: ROSENOW, F., N. AKAMATSU, T. BAST, S. BAUER, C. BAUMGARTNER, S. BENBADIS, A. BERMEO-OVALLE, S. BEYENBURG, A. BLEASEL, A. BOZORGI, Milan BRÁZDIL, M. CARRENO, N. DELANTY, M. DEVEREAUX, J. DUNCAN, G. F. B. VACA, S. FRANZIONE, N. G. LOSARCOS, L. GHANMA, A. GIL-NAGEL, H. HAMER, H. HOLTHAUSEN, S. J. OMIDI, P. KAHANE, G. KALAMANGALAM, A. KANNER, S. KNAKE, S. KOVAC, K. KRAKOW, G. KRAMER, G. KURLEMANN, N. LACUEY, P. LANDAZURI, S. H. LIM, L. V. LONDONO, G. LORUSSO, H. LUDERS, J. MANI, R. MATSUMOTO, J. MILLER, S. NOACHTAR, R. O DWYER, A. PALMINI, J. PARK, P. S. REIF, J. REMI, A. C. SAKAMOTO, B. SCHMITZ, S. SCHUBERT-BAST, S. SCHUELE, A. SHAHID, B. STEINHOFF, A. STRZELCZYK, C. A. SZABO, N. TANDON, K. TERADA, M. TOLEDO, W. V. BOAS, M. WALKER a P. WIDDESS-WALSH. Could the 2017 ILAE and the four-dimensional epilepsy classifications be merged to a new "Integrated Epilepsy Classification"? *Seizure-European journal of epilepsy*. London: W.B. Saunders Ltd., 2020, roč. 78, MAY 2020, s. 31-37. ISSN 1059-1311. doi:10.1016/j.seizure.2020.02.018.

30: MIKULÍK, Robert, J. ECKSTEIN, L. A. PEARCE, H. MUNDL, S. RUDILOSSO, V. V. OLAVARRIA, A. SHOAMANESH, A. CHAMORRO, J. MARTI-FABREGAS, R. VELTKAMP, S. OZTURK, T. TATLISUMAK, W. F. PEACOCK, S. D. BERKOWITZ, S. J. CONNOLLY a R. G. HART. Frequency and Predictors of Major Bleeding in Patients With Embolic Strokes of Undetermined Source NAVIGATE-ESUS Trial. *Stroke*. Philadelphia: Lippincott Williams & Wilkins, 2020, roč. 51, č. 7, s. 2139-2147. ISSN 0039-2499. doi:10.1161/STROKEAHA.119.027995.

31: KUANG, H. L., W. QIU, M. NAJIM, D. DOWLATSHAHI, Robert MIKULÍK, A. Y. POPPE, J. PUIG, M. CASTELLANOS, S. I. SOHN, S. H. AHN, A. CALLEJA, A. JIN, T. ASIL, N. ASDAGHI, T. S. FIELD, S. COUTTS, M. D. HILL, A. M. DEMCHUK, M. GOYAL a B. K. MENON. Validation of an automated ASPECTS method on non-contrast computed tomography scans of acute ischemic stroke patients. *International Journal of Stroke*. London: Sage, 2020, roč. 15, č. 5, s. 528-534. ISSN 1747-4930. doi:10.1177/1747493019895702.

32: KATSANOS, A. H., A. V. ALEXANDROV, P. MANDAVA, M. KOHRMANN, L. SOINNE, A. D. BARRETO, V. K. SHARMA, Robert MIKULÍK, K. W. MUIR, T. ROTHLSBERGER, J. C. GROTTA, C. R. LEVI, C. A. MOLINA, M. SAQQUR, L. PALAIODIMOU, T. PSALTOPOULOU, M. R. VOSKO, T. MOREIRA, J. B. FIEBACH, M. RUBIERA, E. C. SANDSET, A. DE HAVENON, T. A. KENT, A. W. ALEXANDROV, P. D. SCHELLINGER a G. TSIVGOU LIS. Pulse pressure variability is associated with unfavorable outcomes in acute ischaemic stroke patients treated with intravenous thrombolysis. *European Journal of Neurology*. Oxford: Rapid Science Ltd., 2020, roč. 27, č. 12, s. 2453-2462. ISSN 1351-5101. doi:10.1111/ene.14447.

33: FILIP, Pavel, Lubomír VOJTÍŠEK, Marek BALÁŽ, Silvia MANGIA, Shalom MICHAELI, Rastislav ŠUMEC a Martin BAREŠ. Differential diagnosis of tremor syndromes using MRI relaxometry. *Parkinsonism and Related Disorders*. Oxford: Elsevier, 2020, roč. 81, December 2020, s. 190-193. ISSN 1353-8020. doi:10.1016/j.parkreldis.2020.10.048.

34: BŮŘIL, Jiří, Petra BŮŘILOVÁ, Andrea POKORNÁ, I. KOVACOVA a Marek BALÁŽ. Pacient s Parkinsonovou nemocí v datových zdrojích Národního zdravotnického informačního systému. *Ceska a slovenska neurologie a neurochirurgie*. Praha: Česká lékařská společnost J.E. Purkyně, 2020, roč. 83, č. 5, s. 550-554. ISSN 1210-7859. doi:10.14735/amcsnn2020550.

35: KRAUS, Jakub, Robert ROMAN, Lenka JURKOVIČOVÁ, Radek MAREČEK, Michal MIKL, Milan BRÁZDIL a Andreas FRICK. Social support modulates subjective and neural responses to sad mental imagery. *Behavioural Brain Research*. Amsterdam: Elsevier Science BV, 2020, roč. 380, February 2020, s. 1-6. ISSN 0166-4328. doi:10.1016/j.bbr.2019.112433.

36: MARKOVÁ, Lenka, Martin BAREŠ, Ovidiu V. LUNGU a Pavel FILIP. Quantitative but Not Qualitative Performance Changes in Predictive Motor Timing as a Result of Overtraining. *Cerebellum*. New York: Springer, 2020, roč. 19, č. 2, s. 201-207. ISSN 1473-4222. doi:10.1007/s12311-019-01100-x.

37: CIMFLOVÁ, Petra, Ondřej VOLNÝ, Robert MIKULÍK, Bohdan TYSHCHENKO, Silvie BELASKOVA, Jan VINKLAREK, Vladimír ČERVEŇÁK, Tomáš KŘIVKA, Jiří VANÍČEK a Antonin KRAJINA. Detection of ischemic changes on baseline multimodal computed tomography: expert reading vs. Brainomix and RAPID software. *JOURNAL OF STROKE & CEREBROVASCULAR DISEASES*. AMSTERDAM: ELSEVIER SCIENCE BV, 2020, roč. 29, č. 9, s. 1-10. ISSN 1052-3057. doi:10.1016/j.jstrokecerebrovasdis.2020.104978.

38: BRYNDZIAR, Tomáš, Petra ŠEDO VÁ, Robert D. Jr. BROWN, Eva FIŠEROVÁ, Miroslav ZVOLSKY, Josef BEDNAŘÍK a Robert MIKULÍK. Trends in One Month and One Year Hemorrhagic Stroke Case Fatality Rates in the Czech Republic between 1998 and 2015. *Journal of Stroke and Cerebrovascular Diseases*. Amsterdam: Elsevier, 2020, roč. 29, č. 6, s. 1-7. ISSN 1052-3057. doi:10.1016/j.jstrokecerebrovasdis.2020.104762.

39: FILIP, Pavel, Antonietta CANNA, Amir MOHEET, Petr BEDNARIK, Heidi GROHN, Xiufeng LI, Anjali F. KUMAR, Evan OLAWSKY, Lynn E. EBERLY, Elizabeth R. SEAQUIST a Silvia MANGIA. Structural Alterations in Deep Brain Structures in Type 1 Diabetes. *DIABETES*. ALEXANDRIA: AMER DIABETES ASSOC, 2020, roč. 69, č. 11, s. 2458-2466. ISSN 0012-1797. doi:10.2337/db19-1100.

40: MATIS, Juraj, Miroslav SVĚTLÁK, Alena SLEZÁČKOVÁ, Marek SVOBODA a Rastislav ŠUMEC. Mindfulness-Based Programs for Patients With Cancer via eHealth and Mobile Health: Systematic Review and Synthesis of Quantitative Research. *Journal of Medical Internet Research*. Toronto: JMIR PUBLICATIONS, INC, 2020, roč. 22, č. 11, s. 1-21. ISSN 1438-8871. doi:10.2196/20709.

41: MARCINIAK, Rafał, Rastislav ŠUMEC, Martin VYHNÁLEK, Kamila BENDÍČKOVÁ, Petra LÁZNIČKOVÁ, Giancarlo FORTE, Andrej JELENÍK, Veronika ŘÍMALOVÁ, Jan FRIČ, Jakub HORT a Kateřina SHEARDOVÁ. The Effect of Mindfulness-Based Stress Reduction (MBSR) on Depression, Cognition, and Immunity in Mild Cognitive Impairment : A Pilot Feasibility Study. *Clinical Interventions in Aging*. Auckland: DOVE MEDICAL PRESS, 2020, roč. 15, August, s. 1365-1381. ISSN 1178-1998. doi:10.2147/CIA.S249196.

42: CASOLLA, Barbara, Maria Alonso DE LECINANA, Raquel NEVES, Waltraud PFEILSCHIFTER, Veronica SVOBODOVA, Simon JUNG, Andre KEMMLING, Robert MIKULÍK a P. SANTALUCIA. Simulation training programs for acute stroke care: Objectives and standards of methodology. *EUROPEAN STROKE JOURNAL*. LONDON: SAGE PUBLICATIONS LTD, 2020, roč. 5, č. 4, s. 328-335. ISSN 2396-9873. doi:10.1177/2396987320971105.

43: MIKULÍK, Robert, V. CASO, N. M. BORNSTEIN, V. SVOBODOVA, F. R. PEZZELLA, A. GRECU, S. SIMSIC, Z. GDOVINOVA, A. CZLONKOWSKA, T. S. MISHCHENKO, Y. FLOMIN, I. G. MILANOV, S. ANDONOVA, C. TIU, A. ARSOVSKA, H. BUDINCEVIC, S. A. GROPPA, D. BEREZKI, J. KORV, T. KHARITONOVA a M.R. VOSKO. Enhancing and accelerating stroke treatment in Eastern European region: Methods and achievement of the ESO EAST program. *EUROPEAN STROKE JOURNAL*. LONDON: SAGE PUBLICATIONS LTD, 2020, roč. 5, č. 2, s. 204-212. ISSN 2396-9873. doi:10.1177/2396987319897156.

44: NEJEDLY, P., V. KREMEN, V. SLADKY, J. CIMBALNIK, P. KLIMES, F. PLESINGER, F. MIVALT, V. TRAVNICEK, I. VISCOR, Martin PAIL, J. HALAMEK, B. H. BRINKMANN, Milan BRÁZDIL, P. JURAK a G. WORRELL. Multicenter intracranial EEG dataset for classification of graphoelements and artifactual signals. *Scientific Data*. LONDON: NATURE PUBLISHING GROUP, 2020, roč. 7, č. 1, s. 1-7. ISSN 2052-4463. doi:10.1038/s41597-020-0532-5.

45: LEFAUCHEUR, J.P., A. ALEMAN, C. BAEKEN, D.H. BENNINGER, J. BRUNELIN, V. DI LAZZARO, S.R. FILIPOVIC, C. GREFKES, A. HASAN, F.C. HUMMEL, S.K. JAASKELAINEN, B. LANGGUTH, L. LEOCANI, A. LONDERO, R. NARDONE, J.P. NGUYEN, T. NYFFELER, A.J. OLIVEIRA-MAIA, A. OLIVIERO, F. PADBERG, U. PALM, W. PAULUS, E. POULET, A. QUARTARONE, F. RACHID, Irena REKTOROVÁ, S. ROSSI, H. SAHLSTEN, M. SCHECKLMANN, D. SZEKELY a U. ZIEMANN. Evidence-based guidelines on the therapeutic use of repetitive transcranial magnetic stimulation (rTMS): An update (2014-2018). *Clinical Neurophysiology*. Clare: Elsevier Ireland, 2020, roč. 131, č. 2, s. 474-528. ISSN 1388-2457. doi:10.1016/j.clinph.2019.11.002.

46: PUPÍKOVÁ, Monika a Irena REKTOROVÁ. Non-pharmacological management of cognitive impairment in Parkinson's disease. *Journal of Neural Transmission*. Wien: Springer Wien, 2020, roč. 127, č. 5, s. 799-820. ISSN 0300-9564. doi:10.1007/s00702-019-02113-w.

47: ŠEJNOHA MINSTEROVÁ, Alžběta, Patrícia KLOBUŠIAKOVÁ, Sylvie KROPÁČOVÁ, Ľubomíra NOVÁKOVÁ, Luboš BRABENEC, Zuzana BALÁŽOVÁ, Roman GRMELA, Alena SKOTÁKOVÁ, Lenka SVOBODOVÁ a Irena REKTOROVÁ. Multishell Diffusion MRI Reflects Improved Physical Fitness Induced by Dance Intervention. *Neural Plasticity*. 2020, neuveden, č. 2020, s. 8836925-8836933. ISSN 2090-5904. doi:10.1155/2020/8836925.

48: BOČKOVÁ, Martina, Martin LAMOŠ, Petr KLIMES, Pavel JURAK, Josef HALAMEK, Sabina GOLDEMUNDOVÁ, Marek BALÁŽ a Ivan REKTOR. Suboptimal response to STN-DBS in Parkinson's disease can be identified via reaction times in a motor cognitive paradigm. *Journal of Neural Transmission*. WIEN: SPRINGER WIEN, 2020, roč. 127, č. 12, s. 1579-1588. ISSN 0300-9564. doi:10.1007/s00702-020-02254-3.

49: ŠPILÁKOVÁ, Beáta, Daniel Joel SHAW, Kristína CZEKÓOVÁ, Radek MAREČEK a Milan BRÁZDIL. Getting into sync: Data-driven analyses reveal patterns of neural coupling that distinguish among different social exchanges. *Human Brain mapping*. Hoboken: WILEY-BLACKWELL, 2020, roč. 41, MAR, s. 1072-1083. ISSN 1065-9471. doi:10.1002/hbm.24861.

50: MARTENSSON, G., D. FERREIRA, T. GRANBERG, L. CAVALLIN, K. OPPEDAL, A. PADOVANI, Irena REKTOROVÁ, L. BONANNI, M. PARDINI, M. G. KRAMBERGER, J. P. TAYLOR, J. HORT, J. SNAEDAL, J. KULISEVSKY, F. BLANC, A. ANTONINI, P. MECOCCI, B. VELLAS, M. TSOLAKI, I. KLOSZEWSKA, H. SOININEN, S. LOVESTONE, A. SIMMONS, D. AARSLAND a E. WESTMAN. The reliability of a deep learning model in clinical out-of-distribution MRI data: A multicohort study. *Medical Image Analysis*. AMSTERDAM: ELSEVIER SCIENCE BV, 2020, roč. 66, DEC 2020, s. 1-10. ISSN 1361-8415. doi:10.1016/j.media.2020.101714.

51: ŠEJNOHA MINSTEROVÁ, Alžběta, Patrícia KLOBUŠIAKOVÁ, Adrián PIEŠ, Zoltan GALAZ, Jiri MEKYSKA, Ľubomíra NOVÁKOVÁ, Nela NĚMCOVÁ ELFMARKOVÁ a Irena REKTOROVÁ. Patterns of diffusion kurtosis changes in Parkinson's disease subtypes. *PARKINSONISM & RELATED DISORDERS*. OXFORD: ELSEVIER SCI LTD, 2020, roč. 81, DEC 2020, s. 96-102. ISSN 1353-8020. doi:10.1016/j.parkreldis.2020.10.032.

52: HALLETT, M., W. DE HAAN, G. DECO, R. DENGLER, R. DI IORIO, C. GALLEA, C. GERLOFF, C. GREFKES, R.C. HELMICH, M.L. KRINGELBACH, F. MIRAGLIA, Ivan REKTOR, Ondřej STRÝČEK, F. VECCHIO, L.J. VOLZ, T. WU a P.M. ROSSINI. Human brain connectivity: Clinical applications for clinical neurophysiology. *Clinical Neurophysiology*. Clare: Elsevier Ireland, 2020, roč. 131, č. 7, s. 1621-1651. ISSN 1388-2457. doi:10.1016/j.clinph.2020.03.031.

53: STRÝČEK, Ondřej, Martin LAMOŠ, P. KLIMES a Ivan REKTOR. Cognitive task-related functional connectivity alterations in temporal lobe epilepsy. *EPILEPSY & BEHAVIOR*. SAN DIEGO: ACADEMIC PRESS INC ELSEVIER SCIENCE, 2020, roč. 112, NOV, s. 107409-107415. ISSN 1525-5050. doi:10.1016/j.yebeh.2020.107409.

54: CAI, Na, Monika FŇAŠKOVÁ, Klára KONEČNÁ, Miloslava FOJTOVÁ, Jiří FAJKUS, Eve COOMBER, Stephen WATT, Nicole SORANZO, Marek PREISS a Ivan REKTOR. No Evidence of Persistence or Inheritance of Mitochondrial DNA Copy Number in Holocaust Survivors and Their Descendants. *FRONTIERS IN GENETICS*. LAUSANNE: FRONTIERS MEDIA SA, 2020, roč. 11, 03 March 2020, s. 87-98. ISSN 1664-8021. doi:10.3389/fgene.2020.00087.

55: BALOUN, Jiří, Petra BENCÚROVÁ, Tereza TOTKOVÁ, Hana KUBOVÁ, Markéta HERMANOVÁ, Michal HENDRYCH, Martin PAIL, Šárka POSPÍŠILOVÁ a Milan BRÁZDIL. Epilepsy miRNA Profile Depends on the Age of Onset in Humans and Rats. *Frontiers in Neuroscience*. Lausanne: Frontiers Media S.A., 2020, roč. 2020, č. 14, s. 924-937. ISSN 1662-453X. doi:10.3389/fnins.2020.00924.