

## Publications of HBI med

- 1: Izquierdo-Alventosa R, Inglés M, Cortés-Amador S, Gimeno-Mallench L, Chirivella-Garrido J, Kropotov J, Serra-Añó P. Low-Intensity Physical Exercise Improves Pain Catastrophizing and Other Psychological and Physical Aspects in Women with Fibromyalgia: A Randomized Controlled Trial. *Int J Environ Res Public Health*. 2020 May 21;17(10):3634. doi: 10.3390/ijerph17103634. PMID: 32455853; PMCID: PMC7277480.
- 2: Ogrim G, Kropotov JD. Event Related Potentials (ERPs) and other EEG Based Methods for Extracting Biomarkers of Brain Dysfunction: Examples from Pediatric Attention Deficit/Hyperactivity Disorder (ADHD). *J Vis Exp*. 2020 Mar 12;(157). doi: 10.3791/60710. PMID: 32225146.
- 3: Khomenko IG, Pronina MV, Kataeva GV, Kropotov JD, Irishina YA, Susin DS. Combined 18F-fluorodeoxyglucose positron emission tomography and event-related potentials study of the cognitive impairment mechanisms in Parkinson's disease. *J Clin Neurosci*. 2020 Feb;72:335-341. doi: 10.1016/j.jocn.2019.11.044. Epub 2019 Dec 19. PMID: 31866351.
- 4: Askovic M, Watters AJ, Coello M, Aroche J, Harris AWF, Kropotov J. Evaluation of Neurofeedback for Posttraumatic Stress Disorder Related to Refugee Experiences Using Self-Report and Cognitive ERP Measures. *Clin EEG Neurosci*. 2020 Mar;51(2):79-86. doi: 10.1177/1550059419849170. Epub 2019 May 27. PMID: 31132893.
- 5: Müller A, Vetsch S, Pershin I, Candrian G, Baschera GM, Kropotov JD, Kasper J, Rehim HA, Eich D. EEG/ERP-based biomarker/neuroalgorithms in adults with ADHD: Development, reliability, and application in clinical practice. *World J Biol Psychiatry*. 2020 Mar;21(3):172-182. doi: 10.1080/15622975.2019.1605198. Epub 2019 May 7. PMID: 30990349.
- 6: Kropotov JD, Pronina MV, Ponomarev VA, Poliakov YI, Plotnikova IV, Mueller A. Latent ERP components of cognitive dysfunctions in ADHD and schizophrenia. *Clin Neurophysiol*. 2019 Apr;130(4):445-453. doi: 10.1016/j.clinph.2019.01.015. Epub 2019 Feb 10. PMID: 30769271.
- 7: Ogrim G, Kropotov JD. Predicting Clinical Gains and Side Effects of Stimulant Medication in Pediatric Attention-Deficit/Hyperactivity Disorder by Combining Measures From qEEG and ERPs in a Cued GO/NOGO Task. *Clin EEG Neurosci*. 2019 Jan;50(1):34-43. doi: 10.1177/1550059418782328. Epub 2018 Jun 25. PMID: 29940782; PMCID: PMC6291902.
- 8: Kozhushko NJ, Nagornova ZV, Evdokimov SA, Shemyakina NV, Ponomarev VA, Tereshchenko EP, Kropotov JD. Specificity of spontaneous EEG associated with different levels of cognitive and communicative dysfunctions in children. *Int J Psychophysiol*. 2018 Jun;128:22-30. doi: 10.1016/j.ijpsycho.2018.03.013. Epub 2018 Mar 22. PMID: 29577946.
- 9: Aasen IE, Øgrim G, Kropotov J, Brunner JF. Methylphenidate selectively modulates one sub-component of the no-go P3 in pediatric ADHD medication responders. *Biol Psychol*. 2018 Apr;134:30-38. doi: 10.1016/j.biopsycho.2018.02.011. Epub 2018 Feb 21. PMID: 29476840.
- 10: Kropotov JD, Ponomarev VA, Pronina M, Jäncke L. Functional indexes of reactive cognitive control: ERPs in cued go/no-go tasks. *Psychophysiology*. 2017 Dec;54(12):1899-1915. doi: 10.1111/psyp.12960. Epub 2017 Aug 3. PMID: 28771747.
- 11: Chrapusta A, Kropotov JD, Pačalska M. Neuromarkers of Post-Traumatic Stress Disorder (PTSD) in a patient after bilateral hand amputation - ERP case study. *Ann Agric Environ Med*. 2017 Jun 8;24(2):265-270. doi: 10.26444/aaem/74597. Epub 2017 Jun 8. PMID: 28664706.

- 12: Chutko LS, Surushkina SY, Yakovenko EA, Kropotov YD, Sergeev AV. Diagnostika i lechenie kognitivnykh narushenii pri sindrome defitsita vnimaniia u vzroslykh [Diagnosis and treatment of cognitive impairment in adults with attention deficit hyperactivity disorder]. *Zh Nevrol Psikhiatr Im S S Korsakova*. 2017;117(5):9-13. Russian. doi: 10.17116/jnevro2017117519-13. PMID: 28638024.
- 13: Chantsoulis M, Półrola P, Góral-Półrola J, Hajdukiewicz A, Supiński J, Kropotov JD, Pachalska M. Application of ERPs neuromarkers for assessment and treatment of a patient with chronic crossed aphasia after severe TBI and long- term coma - Case Report. *Ann Agric Environ Med*. 2017 Mar 31;24(1):141-147. doi: 10.5604/12321966.1232770 . PMID: 28378976.
- 14: Trystuła M, Żychowska M, Wilk-Frańczuk M, Kropotov JD, Paçhalska M. CASE- REPORT Dysregulation of gene expression in a patient with depressive disorder after transient ischemic attack confirmed by a neurophysiological neuromarker. *Genet Mol Res*. 2017 Feb 16;16(1). doi: 10.4238/gmr16019532. PMID: 28218788.
- 15: Grin-Yatsenko VA, Ponomarev VA, Pronina MV, Poliakov YI, Plotnikova IV, Kropotov JD. Local and Widely Distributed EEG Activity in Schizophrenia With Prevalence of Negative Symptoms. *Clin EEG Neurosci*. 2017 Sep;48(5):307-315. doi: 10.1177/1550059416683283. Epub 2017 Jan 5. PMID: 28056537.
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- 18: Chutko LS, Yakovenko EA, Surushkina SY, Anisimova TI, Kropotov YD. Klinicheskaya i neurofiziologicheskaya geterogennost' sindroma defitsita vnimaniya s giperaktivnost'yu [Clinical and neurophysiological heterogeneity of attention deficit hyperactivity disorder]. *Zh Nevrol Psikhiatr Im S S Korsakova*. 2016;116(10):117-121. Russian. doi: 10.17116/jnevro2016116101117-121. PMID: 27845323.
- 19: Pronina MV, Ponomarev VA, Poliakov YI, Mitrofanov AY, Kropotov JD. [Event- Related Potentials in Schizotypal Personality Disorder and Schizophrenia.]. *Fiziol Cheloveka*. 2016 Nov;42(6):27-36. Russian. PMID: 29932525.
- 20: Grane VA, Brunner JF, Endestad T, Aasen IE, Kropotov J, Knight RT, Solbakk AK. Correction: ERP Correlates of Proactive and Reactive Cognitive Control in Treatment-Naïve Adult ADHD. *PLoS One*. 2016 Sep 15;11(9):e0163404. doi: 10.1371/journal.pone.0163404. Erratum for: *PLoS One*. 2016 Jul 22;11(7):e0159833. doi: 10.1371/journal.pone.0159833. eCollection 2016. PMID: 27631088; PMCID: PMC5024983.
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- 22: Zielińska J, Góral-Półrola J, Półrola P, Łuckoś M, Kropotov JD, Paçhalska M. Hyper-frontality in an OCD patient - evidence from event-related potentials in a cued GO/NOGO task.

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23: Kropotov J, Ponomarev V, Tereshchenko EP, Müller A, Jäncke L. Effect of Aging on ERP Components of Cognitive Control. *Front Aging Neurosci*. 2016 Apr 6;8:69. doi: 10.3389/fnagi.2016.00069. PMID: 27092074; PMCID: PMC4821853.

24: Chutko LS, Surushkina EY, Yakovenko EA, Kropotov YD, Anisimova TI, Sergeev AV. Impul'sivnost' u podrostkov s sindromom defitsita vnimaniya s giperaktivnost'yu [Impulsivity in adolescents with attention deficit hyperactivity disorder]. *Zh Nevrol Psikhiatr Im S S Korsakova*. 2016;116(11. Vyp. 2):13-17. Russian. doi: 10.17116/jnevro201611611213-17. PMID: 28300808.

25: Mirski A, Pączalska M, Moskała M, Orski M, Orska M, Miąskiewicz M, Zapała J, Kropotov JD. Neuromarkers of anxiety and depression in a patient after neuro- ophthalmic surgery of the meningioma - effect of individually-tailored tDCS and neurofeedback. *Ann Agric Environ Med*. 2015;22(4):718-23. doi: 10.5604/12321966.1185783. PMID: 26706985.

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