

C U R R I C U L U M V I T A E

Martin Bareš, MD, PhD

25 November 1968, Brno, Czechoslovakia

Married, 3 children

C O N T A C T

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E D U C A T I O N

2009

Full Professor of Neurology (Masaryk University, Faculty of Medicine)

2005

Associate Professor of Neurology (Masaryk University, Faculty of Medicine)

2002

PhD in Neurology (Masaryk University, Faculty of Medicine)

1987–1993

Study programme General Medicine (Masaryk University, Faculty of Medicine)

CURRENT POSITION

since February 2018

Dean
Faculty of Medicine, Masaryk University

since 1999

Head
Neurophysiology Department at the 1st Department of Neurology, Faculty of Medicine and St. Anne's University Hospital

Consultant in Neurology

PROFESSIONAL BACKGROUND

appointed in May 2015

Adjunct Professor at the Department of Neurology, Faculty of Medicine, University of Minnesota, USA

2011–2016

Principal investigator at Central European Institute of Technology (CEITEC) at Masaryk University

since 2009

Full professor of Neurology at the 1st Department of Neurology, Faculty of Medicine, Masaryk University

since 1999

Consultant in Neurology, movement disorders specialist, clinical neurophysiologist

ACADEMIC BACKGROUND

2012–2018

Deputy Rector
Masaryk University

2012–2018

Deputy Head
1st Department of Neurology, Faculty of Medicine and St. Anne's University Hospital

2011–2018

Vice-Rector
Masaryk University

RESEARCH DOMAIN

- movement disorders, including Parkinson's disease, dystonia, essential tremor and spasticity
- behavioral and social aspects of decision-making processes in healthcare and neurodegenerative disorders

MEMBERSHIP IN NATIONAL PROFESSIONAL BODIES

- Czech Neurological Society
- Czech Movement Disorders Society, Chair 2009–2017
- Czech Society for Clinical Neurophysiology (Member of the executive committee 2009–2017)
- Czech Headache Society

STAYS ABROAD

2018

University of Mons, Department of Neurology, Mons, Belgium

2008

University of Montreal, Geriatric Institute, Montreal, Quebec, Canada

2007

Charité Campus Virchow Klinik, Berlin, Germany

2007

Department of Neurology and Department of Neurosurgery, Medical University Hannover, Germany

2005–2018

Department of Neurology, University of Minnesota, Minneapolis, USA

2003–2005

Departments of Neuroscience and Neurology, University of Minnesota, Minneapolis, USA: Fulbright Scholar and Postdoctoral Fellow under Professor of Neurology, James Ashe, M.D.

2003

University of Rome, La Sapienza, Rome, Italy

2002

University of North Brabant, Tilburg, Netherlands

2001

University of North Brabant, Tilburg, Netherlands

1998

University of Ljubljana, Slovenia

OTHER EDUCATIONAL ACTIVITIES

2006

March Step 3 of the USMLE (United States Medical License Examination)

2005

ECFMG (Educational Commission for Foreign Medical Graduates) certificate

TEACHING EXPERIENCE

1999–1998, 1999–2001, 2003, 2005–present

Teaching neurology for medical students

1st Department of Neurology, Faculty of Medicine and St. Anne's University Hospital

1997–2001, 2003, 2005–present

Teaching neurology for students of Physiotherapy, Nutrition, Optometry, and Nursing

1st Department of Neurology, Faculty of Medicine and St. Anne's University Hospital

MEMBERSHIP IN INTERNATIONAL PROFESSIONAL BODIES

- Movement Disorders Society
- Society for Neuroscience
- Society on the Research of the Cerebellum
- International Neurotoxin Association

RESEARCH AND PUBLICATIONS

Web of Science/SCOPUS listed publications: > 100

Number of citations: 1358 (self-citations are not included)

h-index: 24

Cumulative IF: > 450

Monographs, Chapters in a monograph:

- Monograph 2
- Chapters in a monograph 10

Currently a mentor of 3 PhD students (Neuroscience), 6 PhD graduates (Neuroscience, Neurology)

Member of the editorial board

- Clinical Neurophysiology
- Tremor and Other Hyperkinetic Movements
- Cerebellum and Ataxias

MAJOR GRANT ACTIVITIES

within the last 5 years

Cerebellum, cognitive dysfunction, and motor control and time estimation mechanisms in dystonia and schizophrenia

Grant of the Internal Agency of the Ministry of Health Ministry of Health of the Czech Republic/ Ministry of Healths Departmental Research and Development Programme III (2010–2015)

NT/13437: IGA NS 320. (2011–2015)

Principal investigator

Prevalence of spasticity in patients suffering from ischaemic stroke in the internal carotid artery territory

AZV, 15-31921A, Czech Republic (2015–2018)

Co-investigator

Advanced MR methods for characterization of microstructural brain damage

Horizon 2020 – MSCA Marie Skłodowska-Curie Actions (Excellent Science) (2015-2019).

Principal investigator

Neurobiological mechanisms of functional movement disorders

Ministry of Health of the CR / Ministry of Health Research Programme 2015–2022

(2016–2019/16-31457A)

Principal investigator

Phenotypes of impulsivity in neuropsychiatric disorders and their clinical implications

Ministry of Health Research Programme 2015–2022 (2015–2018/15-30062A).

Member of the research team (principal investigator Tomas Kaspárek)

MAJOR PAPERS

2000–2019

Dorňák T, Justanová M, Konvalinková R, Říha M, Mužík J, Hoskovcová M, Martin Srp, Navratilová D, Otruba P, Gál O, Ivana S, 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 Jan 8. doi: 10.1111/ene.13902. [Epub ahead of print]

Filip P, Linhartová P, Hlavatá P, Šumec R, Baláž M, **Bareš M**, Kašpárek T. Disruption of Multiple Distinctive Neural Networks Associated With Impulse Control Disorder in Parkinson's Disease. *Front Hum Neurosci*. 2018 Nov 21;12:462. doi: 10.3389/fnhum.2018.00462. eCollection 2018.

Sojka P, **Bareš M**, Kašpárek T, Světlák M. Processing of Emotion in Functional Neurological Disorder. *Front Psychiatry*. 2018 Oct 5;9:479. doi: 10.3389/fpsyt.2018.00479. eCollection 2018. Review.

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*. 2018 Sep 27. doi: 10.1007/s12311-018-0979-5. [Epub ahead of print] Review.

Bartoníková T, Menšíková K, Kolaříková K, Vodička R, Vrtěl R, Otruba P, Kaiserová M, Vašítek M, Mikulicová L, Ovečka J, Šáchová L, Dvorský F, Krša J, Jugas P, Godava M, **Bareš M**, Janout V,

Hlušík P, Procházka M, Kaňovský P. New endemic familial parkinsonism in south Moravia, Czech Republic and its genetical background. *Medicine (Baltimore)*. 2018;97(38):e12313.

Zemánková P, Lošák J, Czekóová K, Lungu O, Jáni M, Kašpárek T, **Bareš M**. Theory of Mind Skills Are Related to Resting-State Frontolimbic Connectivity in Schizophrenia. *Brain Connect*. 2018;8(6):350-361.

Dornak T, Justanova M, Konvalinkova R, Muzik J, Hoskovcova M, Srp M, Riha M, Navratilova D, Otruba P, Gal O, Dusek L, Jech R, **Bares M**, Kanovsky P. Early manifestation of spasticity after first stroke in the territory of the internal carotid artery: A prospective multicenter study. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*. 2018 May 23. doi: 10.5507/bp.2018.024. [Epub ahead of print]

Lawrenson C, **Bares M**, Kamondi A, Kovács A, Lumb B, Apps R, Filip P, Manto M. The mystery of the cerebellum: clues from experimental and clinical observations. *Cerebellum Ataxias*. 2018 Mar 29;5:8.

Marcián V, Mareček R, Koritáková E, Pail M, **Bareš M**, Brázdil M. Morphological changes of cerebellar substructures in temporal lobe epilepsy: A complex phenomenon, not mere atrophy. *Seizure*. 2018;54:51-57

Bareš M, Filip P. Cerebellum and dystonia: The story continues. Will the patients benefit from new discoveries? *Clin Neurophysiol*. 2018;129(1):282-283

Volny O, Justanova M, Cimflova P, Kasickova L, Svobodova I, Muzik J, **Bares M**. 24-Hour Alberta Stroke Program Early CT Score Assessment in Post-Stroke Spasticity Development in Patients with a First Documented Anterior Circulation Ischemic Stroke. *J Stroke Cerebrovasc Dis*. 2018;27(1):240-245.

Czekóová K, Zemánková P, Shaw DJ, **Bareš M**. Social cognition and idiopathic isolated cervical dystonia. *J Neural Transm (Vienna)*. 2017 Sep;124(9):1097-1104

Filip P, Gallea C, Lehericy S, Bertasi E, Popa T, Mareček R, Lungu OV, Kašpárek T, Vaníček J, **Bareš M**. Disruption in cerebellar and basal ganglia networks during a visuospatial task in cervical dystonia. *Mov Disord*. 2017; 32(5):757-768.

Šumec R, Rektorová I, Jech R, Menšíková K, Roth J, Růžička E, Sochorová D, Dušek L, Kaňovský P, Rektor I, Pavlík T, Filip P, **Bareš M**. Motion and emotion: anxiety-axial connections in Parkinson's disease. *J Neural Transm (Vienna)*. 2017; 124(3):369-377.

Poewe W, Burbaud P, Castelnovo G, Jost WH, Ceballos-Baumann AO, Banach M, Potulska-Chromik A, Ferreira JJ, Bihari K, Ehler E, **Bares M**, Dzyak LA, Belova AN, Pham E, Liu WJ, Picaut P. Efficacy and safety of abobotulinumtoxin A liquid formulation in cervical dystonia: A randomized-controlled trial. *Mov Disord*. 2016; 31(11):1649-1657.

Lošák J, Hüttlová J, Lipová P, Mareček R, **Bareš M**, Filip P, Žůbor J, Ustohal L, Vaníček J, Kašpárek T. Predictive Motor Timing and the Cerebellar Vermis in Schizophrenia: An fMRI Study. *Schizophr Bull* 2016; 42(6):1517-1527

Lungu OV, **Bares M**, Liu T, Gomez CM, Cechova I, Ashe J. Trial-to-trial Adaptation: Parsing out the Roles of Cerebellum and BG in Predictive Motor Timing. *J Cogn Neurosci* 2016; 28(7):920-34

- Zemankova P, Lungu O, Huttlova J, Kerkovsky M, Zubor J, Lipova P, **Bares M**, Kasperek T. Neuronal substrate and effective connectivity of abnormal movement sequencing in schizophrenia. *Prog Neuropsychopharmacol Biol Psychiatry* 2016; 67:1-9.
- Filip P, Balaz M, Sumec R, **Bares M**. The clinical phenomenology and associations of trick maneuvers in cervical dystonia. *J Neural Transm, Wien: Springer Wien*, 2016;123(3):269-275.
- Zemankova P, Lungu O, **Bares M**. Psychosocial Modulators of Motor Learning in Parkinson's Disease. *Frontiers Hum Neurosci*, Lausanne: Frontiers Research Foundation, 2016; 10:1-8.
- Filip P, Losak J, Kasperek T, Vanicek J, **Bares M**. Neural network of predictive motor timing in the context of gender differences. *Neural Plasticity*, New York: Hindawi Publishing Corporation, 2016:1-9.
- Marcían V, Filip P, **Bareš M**, Brázdil M. Cerebellar Dysfunction and Ataxia in Patients with Epilepsy: Coincidence, Consequence, or Cause? *Tremor Other Hyperkinet Mov (N Y)*. 2016 Jun 23;6:376. doi: 10.7916/D8KH0NBT. Erratum in: *Tremor Other Hyperkinet Mov (N Y)*. 2016;6:416.
- Bednarik P, Moheet D, Deelchand E, Uzai E, Eberly LE, **Bares M**, Seaquist ER, Oz G. Feasibility and reproducibility of neurochemical profile quantification in the human hippocampus at 3T. *NMR in Biomedicine*, Hoboken (USA): Wiley-Blackwell, 2015; 28(6):685-693.
- Bares M**, Apps R, Kikinis Z, Timmann D, Oz G, Ashe J, Loft M, Koutsikou S, Cerminara N, Bushara KO, Kasperek T. Proceedings of the workshop on Cerebellum, Basal Ganglia and Cortical Connections Unmasked in Health and Disorder Held in Brno, Czech Republic, October 17th, 2013. *Cerebellum*, New York: Springer, 2015; 14(2):142-150.
- Filip P, Lungu OV, Manto MU, **Bares M**. Linking Essential Tremor to the Cerebellum: Physiological Evidence. *Cerebellum*, New York: Springer, 2016; 15(6):774-780. Review.
- Bares M**, Balaz M, Filip P. Long-Term Treatment of Focal Dystonias (Cervical and Writer's Cramp): Clinical and Quality of Life Impact. In Petr Kanovsky, Kailash P. Bhatia, Raymond L. Rosales. *Dystonia and Dystonic Syndromes*. 1. vyd. Wien: Springer, 2015; s. 151-164.
- Šumec R, Filip P, Sheardová K, **Bareš M**. Psychological Benefits of Nonpharmacological Methods Aimed for Improving Balance in Parkinson's Disease: A Systematic Review. *Behav Neurol*. 2015;2015:620674. doi: 10.1155/2015/620674. Review.
- Bareš M**, Kaňovský P, Rektor I. Motor cortex plasticity and excitability in Parkinson's disease. *Clin Neurophysiol*. 2014;125(10):2135-6.
- Husárová I, Lungu OV, Mareček R, Mikl M, Gescheidt T, Krupa P, **Bareš M**. Functional Imaging of the Cerebellum and Basal Ganglia During Predictive Motor Timing in Early Parkinson's Disease. *J Neuroimaging*. 2014; 24(1):45-53.
- Minks E, Jurák P, Chládek J, Chrastina J, Halánek J, Shaw DJ, **Bareš M**. Mismatch negativity-like potential (MMN-like) in the subthalamic nuclei in Parkinson's disease patients. *J Neural Transm (Vienna)*. 2014;121(12):1507-22.
- Streitová H, **Bareš M**. Long-term therapy of benign essential blepharospasm and facial hemispasm with botulinum toxin A: retrospective assessment of the clinical and quality of life impact in patients treated for more than 15 years. *Acta Neurol Belg*. 2014;114(4):285-91.
- Filip P, Lungu OV, **Bareš M**. Dystonia and the cerebellum: a new field of interest in movement disorders? *Clin Neurophysiol*. 2013; 124(7): 1269-76. Invited review.

- Filip P, Lungu OV, Shaw DJ, Kaspárek T, **Bareš M**. The mechanisms of movement control and time estimation in cervical dystonia patients. *Neural Plasticity* 2013; 2013:908741. doi: 10.1155/2013/908741.
- Husárová I, Mikl M, Lungu OV, Mareček R, Vaníček J, **Bareš M**. Similar Circuits but Different Connectivity Patterns Between The Cerebellum, Basal Ganglia, and Supplementary Motor Area In Early Parkinson's Disease Patients and Controls During Predictive Motor Timing. *J Neuroimaging*. 2013; 23(4):452-62.
- Gescheidt T, Mareček R, Mikl M, Czekóová K, Urbánek T, Vaníček J, Shaw DJ, **Bareš M**. Functional anatomy of outcome evaluation during Iowa Gambling Task performance in patients with Parkinson's disease: an fMRI study. *Neurol Sci* 2013; 34(12):2159-66.
- Vaníček J, Stastník M, Kianická B, **Bares M**, Bulík M. Rare neurological presentation of human granulocytic anaplasmosis. *Eur J Neurol* 2013; 20(5):e70-2. doi: 10.1111/ene.12110.
- Bareš M**, Rektorová I, Jech R, Farníková K, Roth J, Růžička E, Kaňovský P, Rektor I, Pavlík T, Uhlířová L, Vydlák J. Does WOQ-9 help to recognize symptoms of non-motor wearing-off in Parkinson's disease? *J Neural Transm*. 2012; 119(3):373-80.
- Gescheidt T, Czekoova K, Urbanek T, Marecek R, Mikl M, Kubikova R, Telecka S, Andrlova H, Husarova I, **Bares M**. Iowa gambling task in patients with early-onset Parkinson's disease: strategy analysis. *Neurol Sci*. 2012, 33(6):1329-1335.
- Bareš M**, Husárová I, Lungu OV. Essential tremor, the cerebellum, and motor timing: towards integrating them into one complex entity. *Tremor And Other Hyperkinetic Movements (N Y)*. 2012;2. doi:p11: tre-02-93-653-1. Epub 2012 Sep 12.
- Bareš M**, Lungu OV, Liu T, Waechter T, Gomez CM, Ashe J. The neural substrate of predictive motor timing in spinocerebellar ataxia. *Cerebellum* 2011; 10(2):233-244.
- Jech R, **Bareš M**, Krepelova A, Urgosik D, Havrankova P, Ruzicka E. DYT 6- a novel THAPA mutation with excellent effect on pallidal DBS. *Mov Disord*. 2011; 26(5):924-925
- Gescheidt T, **Bareš M**. Impulse control disorders in patients with Parkinson's disease. *Acta Neurol Belg* 2011; 111(1):3-9.
- Minks E, Mareček R, Pavlík T, Ovesná P, **Bareš M**. Is the cerebellum a potential target for stimulation in Parkinson's disease? Results of 1-Hz rTMS on upper limb motor tasks. *Cerebellum* 2011; 10(4):804-11.
- Bareš M**, Lungu OV, Husárová I, Gescheidt T. Predictive motor timing performance dissociates between early diseases of the cerebellum and Parkinson's disease. *Cerebellum* 2010; 9(1):124-135.
- Bares M**, Minks E, Husárová I, Ferencová K. Correspondence on 'Outcome measures used in studies of botulinum toxin in childhood cerebral palsy: a systematic review'. *J Child Neurol*. 2010;25(6):793-794; author reply 794.
- Minks E, Kopickova M, Marecek R, Streitova H, **Bares M**. Transcranial magnetic stimulation of the cerebellum. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*. 2010; 154(2):133-139.

- Brázdil M, Babiloni C, Roman R, Daniel P, **Bareš M**, Rektor I, Eusebi F, Rossini PM, Vecchio F. Directional functional coupling of cerebral rhythms between anterior cingulate and dorsolateral prefrontal areas during rare stimuli: A directed transfer function analysis of human depth EEG signal. *Hum Brain Mapp* 2009; 30(1):138-146.
- Kaňovský P, **Bareš M**, Severa S, Richardson A. Long-term efficacy and tolerability of botulinum toxin type A treatment for lower limb spasticity in children with cerebral palsy. *Dev Med Child Neurol*. 2009; 51(6):436-445.
- Jech R, **Bareš M**, Urgosík D, Cerná O, Klement P, Adamovicová M, Růzicka E, Příhodová I, Oslejsková H. Deep brain stimulation in acute management of status dystonicus. *Mov Disord*. 2009;24(15):2291-2292.
- Babiloni C, Vecchio F, **Bareš M**, Brázdil M, Nestrašil I, Eusebi F, Rossini PM, Rektor I. Functional coupling between anterior prefrontal cortex (BA10) and hand muscle contraction during intentional and imitative motor acts. *Neuroimage* 2008; 39(3): 1314-1323.
- Bareš M**, Rektorová I, Krajčovičová L, Rektor I. Heart valve abnormalities in Parkinson's disease treated with dopamine agonists. *J Neurol*. 2008; 255(10): 1596.
- Rektorová I, Baláž M, Svátová J, Zárubová K, Honig I, Dostál V, Sedláčková S, Nestrašil I, Mastík J, **Bareš M**, Velísková J, Dušek L. Effects of ropinirole on non-motor symptoms of early and advanced Parkinson's disease: a prospective multi-centre study. *Clin Neuropharmacol* 2008; 31: 261-266.
- Bareš M**, Nestrašil I, Rektor I. The effect of response type (motor output versus mental counting) on the intracerebral distribution of the slow cortical potentials in an externally cued (CNV) paradigm. *Brain Res Bull* 2007; 71(4):428-435.
- Bareš M**, Lungu O, Liu T, Waechter T, Gomez CM, Ashe J. Impaired predictive motor timing in patients with cerebellar disorders. *Exp Brain Res*. 2007; 180(2):355-365.
- Bareš M**, Kaňovský P, Rektor I. Disturbed intracortical excitability in early Parkinson's disease is L-DOPA dose related: A prospective 12-month paired TMS study. *Park Rel Dis* 2007; 13(8):489-494.
- Rektor I, Brázdil M, Nestrašil P, **Bareš M**, Daniel P. Modifications of cognitive and motor tasks affect the occurrence of event-related potentials in the human cortex. *Eur J Neurosci* 2007; 26(5):1371-1380.
- Tomčík J, Dufek M, Hromada J, Rektor I, **Bareš M**. Recurrent Miller Fisher Syndrome with abnormal terminal axon dysfunction. *Acta Neurol Belg* 2007; 107(4): 112-114.
- Brázdil M, Fojtiková D, Kostalová E, **Bareš M**, Kuba R, Pazourková M, Rektor I. Dropped head syndrome in severe intractable epilepsies with mental retardation. *Seizure* 2005;14(4):282-287.
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- Rektor I, **Bareš M**, Brázdil M, Kaňovský P, Rektorová I, Sochůrková D, Kubová D, Kuba R, Daniel P. Cognitive – and movement – related potentials recorded in the human basal ganglia. *Mov Disord* 2005; 20(5):562-568.

Rektorová I, Rektor I, **Bareš M**, Dostál V, Ehler E, Fanfrdlová Z, Fiedler J, Klajblová H, Kulišťák P, Ressler P, Svátová J, Urbánek K, Velísková J. Cognitive performance in people with Parkinson's disease and mild or moderate depression: effects of dopamine agonists in an add-on to L-dopa therapy. *Eur J Neurol* 2005; 12(1):9-15.

Pohanka M, Kanovsky P, **Bares M**, Pulkrabek J, Rektor I. The long-lasting improvement of sexual dysfunction in patients with advanced, fluctuating Parkinson's disease induced by pergolide: evidence from the results of an open, prospective, one-year trial. *Parkinsonism Rel Disord* 2005; 11(8): 509-512.

Babiloni C, **Bares M**, Vecchio F, Brazdil M, Jurak P, Moretti DV, Ubaldi A, Rossini PM, Rektor I. Synchronization of gamma oscillations increases functional connectivity of human hippocampus and inferior middle temporal cortex during repetitive visuomotor events. *Eur J Neurosci* 2004; 19: 3088-3098.

Pohanka M, Kanovsky P, **Bares M**, Pulkrabek J, Rektor I. Pergolide mesylate can improve sexual dysfunction in patients with Parkinson's disease: the results of an open, prospective, 6-month follow-up. *Eur J Neurol* 2004; 11(7): 483- 488.

Rektor I, **Bares M**, Kanovsky P, Brazdil M, Klajblova H, Streitova H, Rektorova I, Sochůrkova D, Kubova D, Kuba R, Daniel P. Cognitive potentials in the basal ganglia-frontocortical circuits. An intracerebral recording study. *Exp Brain Res* 2004; 158(3):289-301.

Bares M, Rektor I, Kanovský P, Streitova H. Cortical and subcortical distribution of sensory and cognitive operations. A contingent negative variation SEEG study. *Clin Neurophysiol* 2003; 114: 2447-2460.

Bares M, Brazdil M, Kanovsky P, Jurak P, Daniel P, Kukleta M, Rektor I. Apomorphine improves smooth pursuit eye movements in L-DOPA – naive parkinsonian patients. *Parkinsonism Related Disord* 2003; 9(3):139-144.

Bares M, Kanovsky P, Rektor I, Hortova H. Intracortical inhibition and facilitation are impaired in early Parkinson's disease patients – a paired TMS study. *Eur J Neurol* 2003; 10: 385-389.

Bares M, Kanovsky P, Rektor I. Excessive daytime sleepiness and sleep attacks induced by entacapone. *Fundamental Clin Pharmacol* 2003; 17:113-116.

Bares M, Muchova M, Dufek J, Litzman J, Rektor I. Wegener's granulomatosis- ischemic stroke as the first clinical manifestation (case study). *J Neurol* 2002; 249: 1593-1594.

Kanovsky P, **Bares M**, Rektor I. The selective gating of the N30 cortical component of the somatosensory evoked potentials of median nerve is different in the mesial and dorsolateral frontal cortex: an evidence from intracerebral recordings. *Clin Neurophysiol* 2003; 114: 981-991.

Kanovsky P, Streitova H, Klajblova H, **Bares M**, Daniel P, Rektor I. The impact of motor activity on intracerebral ERPs: P3 latency variability in modified auditory odd-ball paradigms involving a motor task. *Neurophysiol Clin/Clin Neurophysiol* 2003 33(4):159-168.

Rektor I, Kanovsky P, **Bares M**, Brazdil M, Streitova H, Klajblova H, Kuba R, Daniel P. A SEEG study of ERP in motor and premotor cortices and in the basal ganglia. *Clin Neurophysiol* 2003; 114:463-471.

Kanovsky P, **Bares M**, Streitova H, Klajblova H, Daniel P, Rektor I. Abnormalities of cortical excitability and cortical inhibition in cervical dystonia. Evidence from somatosensory evoked potentials and paired transcranial magnetic stimulation. *J Neurol* 2003; 250: 42-50.

Rektorova I, Rektor I, **Bares M**, Dostal V, Ehler E, Fanfrdlova Z, Fiedler J, Hortova H, Kulistak P, Ressler P, Svatova J, Urbanek K, Velískova J. Depression in Parkinson's disease: An eight-month, randomised, open-label, national, multi-centre comparative study of pramipexol and pergolide. *Eur J Neurol* 2003; 10: 399-406.

Kanovsky P, Kubova D, **Bares M**, Hortova H, Streitova H, Znojil V, Rektor I. L-DOPA Induced Dyskinesias and the Continuous Subcutaneous Infusions of Apomorphine – Results of Two Years, Prospective Follow-Up. *Mov Disord* 2002; 17:(1): 188-191.

Bares M, Rektor I. Basal ganglia involvement in cognitive and sensory processing. A SEEG CNV study in human subjects. *Clin Neurophysiol* 2001; 112: 2022-2030.

Rektor I, **Bares M**, Kanovsky P, Kukleta M. Intracerebral recording of readiness potential induced by a complex motor task. *Mov Disord* 2001; 16: 698-704.

Rektor I, Kanovsky P, **Bares M**, Louvel J, Lamarche M. Evoked potentials, ERP, CNV, readiness potential and movement accompanying potential recorded from the posterior thalamus in human subjects. A SEEG study. *Neurophysiol Clin* 2001; 31: 53-61.

Rektor I, **Bares M**, Kubova D. Movement related potentials in the basal ganglia. A SEEG readiness potential study. *Clin Neurophysiol* 2001; 112: 2146-2153.

Wissel J, Kanovsky P, Ruzicka E, **Bares M**, Hortova H, Streitova H, Jech R, Roth J, Brenneis C, Müller J, Schnider P, Auff E, Richardson A, Poewe W. Efficacy and safety of a standardised 500 unit of Dysport7 (Clostridium botulinum type A haemagglutinin complex) in a heterogenous cervical dystonia population: results of a prospective, multicentre, randomised, double-blind, placebo-controlled, parallel group study. *J Neurol* 2001; 248 (12): 1073-1078.

Ruzicka E, Streitova H, Jech R, Kanovsky P, Roth J, Rektorova I, Mecir P, **Bares M**, Hortova H, Hejdukova B, Rektor I: Amantadine-sulfate infusion in treatment of motor fluctuations and dyskinesias in Parkinson's disease. *J Neural Transm* 2000; 107: 1297-1306.