

CURRICULUM VITAE

Ivana Stetkarova, Professor of Neurology, MD, PhD, MHA, FEAN

I. Education and Employment

- 1981 – 1987 Medical School, Charles University, summa cum laudo, (graduated June 1987)
- 1987-1991 Postgraduate Ph.D. study, Dept of Neurotoxicology and Occupational Health, Prague
- 1.1. 1992 - 31.12. 1992 International Postdoctoral Fellowship, Restorative Neurology and Human Neurobiology, Baylor College of Medicine, Houston, Texas, USA
- 1991 – 1995 Dept of Neurology, Postgraduate Medical School, FTN Prague
- 22.10. –3.12. 1995 Dept of Neurophysiology (spinal cord), Shulthess Klinik, Zurich.
- 31.1.2009-1.5.2009 Visiting Professor, Methodist Rehabilitation Centre (spinal inhibitory mechanisms), University of Mississippi, Jackson, USA
- 1.9. 1995-30.8.2011 Dept of Neurology, Hospital Na Homolce, Prague
- Since 2000 - Dept of Neurology, 3rd Medical School, Charles University (part-time)
- Since September 2011- till now: Head of Dept of Neurology, Head of Multiple Sclerosis Center, Third School of Medicine, Charles University, Prague

II. Examinations and Licenses

- 1991 Board in Neurology I
- 1993 Ph.D. (Evoked potentials in subjects exposed to organic solvents)
- 1995 Board in Neurology II
- 1994 License in Neurology
- 1994 License in Evoked Potentials
- 1998 License in Myoskeletal Medicine
- 2004 Associate Professor at Charles University Prague (Spinal Cord in Clinical Neurophysiology)
- 2016 Professor in Neurology at Charles University Prague
- 2018 Master of Healthcare Administrator

III. Memberships in professional societies

Since 2015: EAN Panel of Clinical Neurophysiology (member), Since 2013: International Neuromodulation Society (member), Since 1987: Czech Neurological Society J.E. Purkyne (since 2016 board member), Since 1987: Czech Society of EEG and Clinical Neurophysiology (board member), 1989 – 1997: Society of Czech and Slovak Young Neurologists, 1994 – 1997: Head of Society of Czech and Slovak Young Neurologists, Since 1998: Czech Spondylosurgical Society

IV. Professional interests and research activities

- Neurophysiological assessment (EMG, VEP, BAEP, SEP, MEP) in clinical neurology. Functional MR.
- Stroke (Intercardis project OP VVV 2017-2022)
- Multiple Sclerosis (PI in Grant IGA MZ 2005-2007 Severe spasticity in MS patients treated by baclofen pump). Basic research in spinal protective and inhibitory mechanisms (motoneurons)
- Pathophysiological mechanisms in neuromodulatory treatment of dystonia (IGA MZ 2010-2015)
- Morphological, histochemical and electrophysiological changes in thoracic muscles in idiopathic scoliosis. Pathophysiological mechanisms (Grant IGA MZ 2011-2015)

V. Bibliography

180 active participations (lectures and posters) on meetings in the Czech Republic (100 presentations) and abroad (80 presentations), 8 monographies (136 chapters), 160 publications (80 as the first author), more than 80 in journals with IF, H-index 16, citation 644

Monography

- Widimský P, Štětkařová I et al. Neurokardiologie (Neurocardiology). Maxdorf 2021
- Štětkařová I et al. Spinální neurologie (Spinal cord neurology). Maxdorf 2019
- Ehler E, Ridzoň P, Štětkařová I: Neuromuskulární choroby v kazuistikách (Neuromuscular disorders in case reports). Maxdorf 2019
- Štětkařová I et al.: Moderní farmakoterapie v neurologii (Modern pharmacotherapy in neurology). Maxdorf, 2015. 2nd edition - Maxdorf, 2017. 3rd edition – Maxdorf 2021
- Štětkařová I, Ehler E, Jech R: Spasticita a její léčba (Spasticity and its treatment). Maxdorf, 2012.

VI. Important publications with IF in last 5 years (2017-2022):

1. Widimsky P, Koznar B, Peisker T, Vasko P, Rohac F, Vavrova J, Kroupa J, Stetkarova I. Feasibility and safety of direct catheter-based thrombectomy in the treatment of acute ischaemic stroke. Cooperation among cardiologists, neurologists and radiologists. Prospective registry PRAGUE-16. EuroIntervention. 2017;13(1):131-136. IF= 3,863
2. Peisker T, Koznar B, Stetkarova I, Widimsky P. Acute stroke therapy: A review. Trends Cardiovasc Med. 2017;27(1):59-66. IF: 3.075

3. Fečíková A, Jech R, Čejka V, Čapek V, Šťastná D, Štětkářová I, Mueller K, Schroeter ML, Růžička F, Urgošík D. Benefits of pallidal stimulation in dystonia are linked to cerebellar volume and cortical inhibition. *Sci Rep*. 2018 Nov 21;8(1):17218.
4. 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, Hrciarova 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.
5. Keller J, Štětkářová I, Macri V, Kühn S, Pětioký J, Gualeni S, Simmons D, Arthanat S, Zilber P. Virtual reality-based treatment for regaining upper extremity function induces cortex grey matter changes in persons with acquired brain injury. *J Neuroeng Rehabil*. 2020 Sep 12;17(1):127.
6. Řasová K, Freeman J, Cattaneo D, Jonsdottir J, Baert I, Smedal T, Romberg A, Feys P, Alves-Guerreiro J, Habek M, Henze T, Santoyo-Medina C, Beiske A, Asch PV, Bakalidou D, Salci Y, Dimitrova E, Pavlíková M, Štětkářová I, Vorlíčková J, Martinková P. Content and Delivery of Physical Therapy in Multiple Sclerosis across Europe: A Survey. *Int J Environ Res Public Health*. 2020 Jan 31;17(3):886.
7. Angelova G, Skodova T, Prokopiusova T, Markova M, Hruskova N, Prochazkova M, Pavlikova M, Spanhelova S, Stetkarova I, Bicikova M, Kolatorova L, Rasova K. Ambulatory Neuroproprioceptive Facilitation and Inhibition Physical Therapy Improves Clinical Outcomes in Multiple Sclerosis and Modulates Serum Level of Neuroactive Steroids: A Two-Arm Parallel-Group Exploratory Trial. *Life (Basel)*. 2020 Oct 31;10(11):267.
8. Pavlikova M, Cattaneo D, Jonsdottir J, Gervasoni E, Stetkarova I, Angelova G, Markova M, Prochazkova M, Prokopiusova T, Hruskova N, Reznickova J, Zimova D, Spanhelova S, Rasova K. The impact of balance specific physiotherapy, intensity of therapy and disability on static and dynamic balance in people with multiple sclerosis: A multi-center prospective study. *Mult Scler Relat Disord*. 2020 May;40:101974.
9. Štětkářová I, Ehler E. Diagnostics of Amyotrophic Lateral Sclerosis: Up to Date. *Diagnostics (Basel)*. 2021 Feb 3;11(2):231.
10. Vavrova J, Koznar B, Peisker T, Vasko P, Rohac F, Sulzenko J, Kroupa J, Stetkarova I, Mengozzi L, Petras M, Widimsky P. Long-term outcomes of thrombectomy for acute ischaemic stroke by occluded artery and stroke aetiology: a PRAGUE-16 substudy. *EuroIntervention*. 2021 Jun 11;17(2):e169-e177.
11. Sulzenko J, Kožnar B, Peisker T, Vaško P, Vavrová J, Štětkářová I, Widimský P. Stable Clinical Outcomes When a Stroke Thrombectomy Program Is Started in an Experienced Cardiology Cath Lab. *JACC Cardiovasc Interv*. 2021 Apr 12;14(7):785-792.
12. Stetkarova I, Ehler E, Brabec K, Jelinkova L, Chylova M, Weichet J, Ungermann L, Peisker T. Spontaneous spinal epidural haematoma: management and main risk factors in era of anticoagulant / antiplatelet treatment. *Neurol Neurochir Pol*. 2021;55(6):574-581.
13. Štětkářová I, Krámská L, Keller J. Improvement of Memory Functions in Chronic Spinal Cord Injury After Long-Term Intrathecal Baclofen Delivery for Spasticity Relief. *Neuromodulation*. 2021 Feb 2. doi: 10.1111/ner.13340.
14. Stastna D, Menkyova I, Drahota J, Mazouchova A, Adamkova J, Ampapa R, Grunermelova M, Peterka M, Recmanova E, Rockova P, Rous M, Stetkarova I, Valis M, Vachova M, Woznicova I, Horakova D. Multiple sclerosis, neuromyelitis optica spectrum disorder and COVID-19: A pandemic year in Czechia. *Mult Scler Relat Disord*. 2021 Sep;54:103104.
15. Boček V, Krbec M, Vaško P, Brabec K, Pavlíková M, Štětkářová I. Alteration of cortical but not spinal inhibitory circuits in idiopathic scoliosis. *J Spinal Cord Med*. 2022 Mar;45(2):186-193.
16. Peisker T, Vaško P, Mikulenka P, Lauer D, Kožnar B, Sulzenko J, Roháč F, Kučera D, Girsá D, Kremeňová K, Widimský P, Štětkářová I. Clinical and radiological factors predicting stroke outcome after successful mechanical intervention in anterior circulation. *Eur Heart J Suppl*. 2022 Mar 30;24(Suppl B):B48-B52.
17. Vališ M, Pavelek Z, Novotný M, Klímová B, Šarláková J, Halúsková S, Peterka M, Štětkářová I, Štourač P, Mareš J, Hradílek P, Ampapa R, Vachová M, Recmanová E, Meluzínová E. Analysis of the Group of Pediatric Patients With Relapsing-Remitting Multiple Sclerosis: Data From the Czech National Registry. *Front Neurol*. 2022 Apr 18;13:851426.
18. Hradílek P, Meluzinova E, Zapletalova O, Hanulikova P, Horakova D, Woznicova I, Pavliska L, Stetkarova I, Valis M, Stourac P, Adamkova J, Ampapa R, Vachova M, Mares J. Is pregnancy in MS patients safe and what is its impact on MS course? Real World evidence of 1533 pregnancies in Czech Republic. *Mult Scler Relat Disord*. 2022 Mar;59:103391.