

CURICULUM VITAE

Name: Jiří Klempíř, Assoc Prof., M.D., Ph.D.

Date and place of birth: 20.7. 1975 in Pardubice, Czechoslovakia

Marital status: married, 2 children

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Education:

- 2002 M.D., 1st School of Medicine, Charles University, Prague
- 2005 1st Certification in Clinical Neurology in Czech Republic
- 2007 Ph.D. – Neuroscience – Huntington's Disease
- 2007 European Certification in Clinical Neurology
- 2007 European Certification in Clinical Nutrition and Intensive Metabolic Care
- 2016 Associate Professor – Neuroscience – Huntington's Disease

Position held:

Senior consultant, Dept. of Neurology and Center of Clinical Neuroscience, Charles University in Prague, 1st Faculty of Medicine and General University Hospital in Prague

2010-2017 member of Registry Steering Committee, EHDN

Since 2017 coordinator of European Reference Network for rare neurological disease in General University Hospital in Prague

Research projects of last 5 years:

Markers of mitochondrial dysfunction in presymptomatic early stages Huntington's disease Czech Health Research Council, NU20-04-00136 (2020-2023)

Proteomic analysis of extracellular vesicles in pig models of Huntington's disease and human blood plasma Czech Science (2019 – 2022)

European eHealth care model for rare neurodegenerative diseases (HEATHE-RND) JPND (2019 – 2023)

Biomarkers of progression and treatment response in neurodegenerative disorders - Ministry of Health of the Czech Republic (grant nr. 15-25602A) (2015-2020)

Speech disorders and analysis of their mechanisms in Parkinson's disease and other movement disorders. - Czech Health Research Council, 15-28038A, (2015-2019)

Comparative study of Huntington's disease: bioenergetics' functions of mitochondria in patients and in transgenic minipigs - COST CZ LD15099, (2015-2017)

Comparative study of Huntington's disease using biochemical, immunocytochemical and molecular genetic methods on the mouse, minipig and human tissues and cells - Czech-Norwegian Research Programme (CZ09), 7F14308 (2014-2017)

Membership:

Czech Neurological Society

European Huntington's Disease Network

Czech Society for Clinical Nutrition and Intensive Metabolic Care

European Society for Clinical Nutrition and Metabolism

Publication activity

H-index – 18, research publications 47, citations without self-citations 700, chapters in 10 monographs

Huntington's disease publications of last 5 years:

Illner V, Tykalová T, Novotný M, Klempíř J, Dušek P, Ruzs J. **Toward Automated Articulation Rate Analysis via Connected Speech in Dysarthrias.** J Speech Lang Hear Res. 2022 Mar 18:1-16.

van Lonkhuizen PJC, Vegt NJH, Meijer E, van Duijn E, de Bot ST, Klempíř J, Frank W, Landwehrmeyer GB, Mühlbäck A, Hoblyn J, Squitieri F, Foley P, Chavannes NH, Heemskerk AW. **Study Protocol for the Development of a European eHealth Platform to Improve Quality of Life in Individuals With Huntington's Disease and Their Partners (HD-eHelp Study): A User-Centered Design Approach.** Front Neurol. 2021 Sep 13;12:719460.

Mühlbäck A, Frank W, Klempířová O, Bezdíček O, Schmitt L, Hofstetter N, Landwehrmeyer GB, Klempíř J. **Validation Study of a German Cognitive Battery for Huntington's Disease: Relationship Between Cognitive Performance, Functional Decline, and Disease Burden.** Arch Clin Neuropsychol. 2021 Jan 15;36(1):74-86.

Hlavnička J, Tykalová T, Ulmanová O, Dušek P, Horáková D, Růžička E, Klempíř J, Ruzs J. **Characterizing vocal tremor in progressive neurological diseases via automated acoustic analyses.** Clin Neurophysiol. 2020 May;131(5):1155-1165.

Baxa M, Levinska B, Skrivankova M, Pokorný M, Juhasova J, Klima J, Klempir J, Motli K J, Juhas S, Ellederova Z. **Longitudinal study revealing motor, cognitive and behavioral decline in a transgenic minipig model of Huntington's disease.** Dis Model Mech. 2019 Dec 12;13(2):dmm041293.

Askeland G, Rodinova M, Štufková H, Dosoudilova Z, Baxa M, Smatlikova P, Bohuslavova B, Klempir J, Nguyen TD, Kuśnierczyk A, Bjørås M, Klungland A, Hansikova H, Ellederova Z, Eide L. **A transgenic minipig model of Huntington's disease shows early signs of behavioral and molecular pathologies.** Dis Model Mech. 2018 Oct 24;11(10).

Askeland G, Dosoudilova Z, Rodinova M, Klempir J, Liskova I, Kuśnierczyk A, Bjørås M, Nesse G, Klungland A, Hansikova H, Eide L. **Increased nuclear DNA damage precedes mitochondrial dysfunction in peripheral blood mononuclear cells from Huntington's disease patients.** Sci Rep. 2018 Jun 29;8(1):9817.

Dušek P, Klempíř J, et al. **Buccal Respiratory Chain Complexes I and IV Quantities in Huntington's Disease Patients.** Folia Biol (Praha). 2018;64(1):31-34.

Chapters and monographs related to Huntington's disease in the last 5 years

Kohout et al. **Clinical nutrition.** 1st edition. Prague: Galen, 2021. 944 p. ISBN 978-80-7492-555-9.

Uhrova T, Roth K, Klempir J et al. **Neuropsychiatry: clinical guide for outpatient and hospital practice.** 1st edition. Prague: Maxdorf, 2020. 965 p. ISBN 978-80-7345-619-1.

Klempir J et al. **Huntington disease and nutrition.** 1st edition. Hradec Kralove: Czech Huntington Disease association, 2019. 143 p. ISBN 978-80-904199-6-4.

Zlatohlavek L et al. **Clinical dietetics and nutrition.** 2nd edition. Prague: Current Media, 2019. 519 p. ISBN 978-80-88129-44-8.

Klempir J et al. **Huntington Disease: Principles and practice of nutritional management.** 1 vyd. Secovice: Pastel, 2018. 105 p. ISBN 978-80-89898-11-4.