
prof. MUDr. Ivana Štětkářová, CSc.



<div class="skolitel"></div>

Department of Neurology, Third Faculty of Medicine and University Hospital Kralovske Vinohrady
<https://www.lf3.cuni.cz/3LFEN-349.html>

Topic title

Metabolomics in cerebrospinal fluid in Guillain-Barré syndrome

Description of scientific activity

The main topic of our research activity is acute strokes in terms of neurocardiology (tako-tsubo syndrome, mechanical thrombectomy, muscular dystrophies). We also investigate specific indicators/biomarkers in cerebrospinal fluid in autoimmune diseases (multiple sclerosis, Guillain-Barré syndrome). We also deal with neurorehabilitation and spasticity treated by intrathecal baclofen.

Selected publications

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 Oct;24(7):1199-1203.

Sulženko 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.

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.

Selected or ongoing grants/clinical studies

Metabolomics in cerebrospinal fluid in multiple sclerosis

The role of gluten in the etiology of multiple sclerosis

Relationships between acute stroke and myocardial function

PhD Students

Number of current PhD students: 3

Number of defended students with year of defense: 3 (2015, 2018, 2021)