Martina Sebök – Curriculum Vitae

Dr. med. Martina Sebök MD PhD
Staff Neurosurgeon & Clinical Neuroscientist

Department of Neurosurgery University Hospital Zurich
martina.seboek@usz.ch

Date of birth: 12.11.1989
Place of birth: Murska Sobota, Slovenia
Nationality: Slovenian

Education

- 1996-2004: **Two-language Primary School**, Prosenjakovci, Slovenia
- 2004-2008: **High School Murska Sobota**, Slovenia
- October 2008 – April 2015: **Medical studies, Medical Faculty Ljubljana**, Slovenia. Graduated with "Summa cum laude"
- August 2018 – August 2019**: Medical Faculty Zurich,** Switzerland: **Enrolled for Medical dissertation ("Dr. med." title)**
- January 2019 – October 2022**: Clinical Science PhD Program, Medical Faculty Zurich,** Switzerland

Qualifications

- August 2019: **Medical dissertation (Dr. med. title)** at Medical Faculty Zurich, Switzerland (Title of dissertation: "BOLD cerebrovascular reactivity as a novel marker for crossed cerebellar diaschisis")
- October 2022: **Clinical Science PhD Program (PhD title)** at Medical Faculty Zurich (Title of **PhD thesis**: "BOLD cerebrovascular reactivity as a novel marker for hemodynamic impairment in symptomatic cerebrovascular steno-occlusive disease")
- November 2022: **Swiss Board certified neurosurgeon (FMH title)**

Work experience

- February 2016 – June 2021: **Neurosurgical resident, Department of Neurosurgery, University Hospital Zurich** (Head of Department: Prof. Dr. med. L. Regli)
- July 2021 – June 2022 - **Neurosurgical resident, Department of Neurosurgery, Kepler University Hospital Linz, Austria** (Head of Department: Prof. Dr. med. univ. A. Gruber)
- July 2022 – June 2023: **Chief resident, Department of Neurosurgery, University Hospital Zurich** (Head of Department: Prof. Dr. med. L. Regli)
- July 2023 – December 2023: **Attending Neurosurgeon, Department of Neurosurgery, University Hospital Zurich** (Head of Department: Prof. Dr. med. L. Regli)
- January 2024 – December 2024: **Clinical Fellow in Cerebrovascular Neurosurgery, Division of Neurosurgery, University Health Network, University of Toronto**, Toronto, Canada (Prof. Dr. Ivan Radovanovic, MD PhD)
- January 2025 - : **Staff Neurosurgeon (Cerebrovascular Neurosurgery), Department of Neurosurgery, University Hospital Zurich** (Head of Department: Prof. Dr. med. L. Regli)

Martina Sebök – Curriculum Vitae

Publication list:

> 70 publications, > 20 first author publications

sebök m - Search Results - PubMed

Awards

- **04.12.2011: Professor Janez Plecnik Award** for outstanding study-results in anatomy, histology with embryology and pathology
- **10.07.2015: Special recognition for excellent study result at the Medical Faculty Ljubljana**
- **12.09.2019: 2. Place for SGNC (Schweizerische Gesellschaft für Neurochirurgie) 2019 Award** for the project "BOLD cerebrovascular reactivity as a novel marker for crossed cerebellar diaschisis“
- **10/2020: Best Abstract by the EANS Vascular Section** for abstract entitled “The Zurich flowchart for STA- MCA bypass indication in patients with acute stroke by ICA and/or M1 occlusion” (**eEANS2020: Beyond Borders** Virtual Congress)
- **08/2022: 2. Place for SGNC (Schweizerische Gesellschaft für Neurochirurgie) 2022 Award** for the project "Mapping cerebrovascular reactivity impairment in patients with symptomatic unilateral carotid artery disease“
- **10/2023: Best Abstract Award at SGNC 2023 Meeting, Zurich, Switzerland** for abstract entitled “Flow capacity of a superficial temporal artery as a donor in a consecutive series of 85 STA-MCA bypasses”
- **12/2024:** Winner of **Clinical Paper Research Award of the Clinical Neuroscience Center**, University Hospital Zurich for manuscript “Sebök et al: Hemodynamic Failure Staging With Blood Oxygenation Level-Dependent Cerebrovascular Reactivity and Acetazolamide-Challenged (^{15}O-)H_2O-Positron Emission Tomography Across Individual Cerebrovascular Territories”

Grants

- **04/2018**: **ESRF Travel Grant from the 27th European Stroke Conference** in Athens, Greece for the abstract entitled: *Crossed cerebellar diaschisis; diagnostic and prognostic value of Blood-Oxygenation-Level- Dependent cerebrovascular reactivity*
- **12/2018: Theodor und Ida Herzog-Egli Stiftung** (for project “Revisiting seizure-prone brain arteriovenous malformations: looking at the venous side”)
- **04/2020: Graduate Campus (GRC) Travel Grant, University of Zurich**
- **10/2023: Filling the Gap Grant, University of Zurich** for project “Hemodynamic associated changes in migraine: Investigating the association between impaired BOLD cerebrovascular reactivity and brain tissue integrity”
- **08/2024: European Association of Neurosurgical Societies (EANS) Research Found Grant** for project “Deciphering hemodynamic alterations following microsurgical AVM resection in patients with brain AVM-associated epilepsy”

Memberships

- European Association of Neurological Surgeons (EANS)
- Section of Vascular Neurosurgery, EANS
- Swiss Young Neurosurgeons Society (SYNS)
- Slovenian Neurosurgeons Society
- Swiss Neurosurgery Society: Schweizerische Gesellschaft für Neurochirurgie (SGNC)

Zurich, January 2025