

«Safety of Intravenous Thrombolysis in Patients with Ischemic Stroke and Recent Ingestion of Direct Oral Anticoagulants: DO-IT – The DOAC International Thrombolysis registry»

Project Summary

Intravenous thrombolysis is a highly effective treatment for acute ischemic stroke, but recent use of direct oral anticoagulants (DOACs) poses a common contraindication due to concerns about intracranial hemorrhage. Despite increasing DOAC use, there's no prospective study evaluating the safety of intravenous thrombolysis in such patients. This international, multicenter, observational cohort study aims to address this gap. Data on DOAC details, thrombolysis, hemorrhagic complications, and functional outcomes will be collected and analyzed, potentially challenging the prevalent contraindication. If proven safe, this could expand access to a crucial stroke treatment, benefiting patients globally and streamlining acute stroke management, particularly for those on factor Xa inhibitors.

Personal Details:

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Date of Birth	1988
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Positions and Appointments:

2015 – 2021	Clinical Training in Neurology, University Hospital Bern
2020	Board Exam Neurology, FMH Neurology
2020	Certificate of Advanced Studies in Clinical Research, ISPM Bern
2021	Swiss diploma in electrophysiology and cerebrovascular diseases/ultrasonography
2021	ESO 6th Garmisch Stroke Science Workshop
2022	PhD in Health Sciences, Graduate School of Health Sciences, University of Bern, Switzerland

Approved research projects (since 2015)

2019	SNSF: Incidence of silent atrial fibrillation in patients with silent brain infarction - Silent2 Study, 2019, Project Partner, 474'000 CHF
2019	Bangerter-Rhyner Foundation: Recanalization strategies and functional outcome in ischemic stroke patients with preceding anticoagulation therapy. Main applicant, 100'000 CHF
2019	Swiss Heart Foundation: Value of cardiac magnetic resonance imaging in etiological stroke workup, 2019, Co-applicant, 80'000 CHF
2019	SAMW/Bangerter-Rhyner-Foundation Young Talents in Clinical Research: Prevalence of attributable etiology and modifiable stroke risk factors in patients with clinically silent brain infarctions (SILENT-registry), Main applicant, 74'000 CHF

- 2020 Swiss Heart Foundation: Incidence of silent atrial fibrillation in patients with silent brain infarction - Silent2 MRI substudy, Main Applicant, 60'000 CHF
- 2021 Neurology Inselspital Excellence Grant: Prevalence of attributable etiology and modifiable stroke risk factors in patients with clinically silent brain infarctions (SILENT-registry), Main applicant, 20'305 CHF
- 2021 University Bern Medical Faculty: A digital reference network platform for clinical and experimental neuroscience – deep phenotyping and data integration, nested project stroke lead, total 800.000 CHF, nested project Stroke 192.000 CHF
- 2022 University of Bern Swiss Translational Medical Imaging Network – Hands-on Workshop, Main applicant 5.000 CHF
- 2022 Neurology Inselspital: Stipendium für professionelle Lehre in der klinischen Neurologie - Teaching Grant, Main applicant, 67.500 CHF

