

Diagnostics For First Unprovoked SEizures – a single center randomised trial

DIFFUSE

Project summary

A first unprovoked seizure (FUS) is a common presentation at any emergency department, yet the optimal management is still subject to debate and often delayed. In this randomised, single-center, diagnostic trial we evaluate the efficacy of an in-depth diagnostic assessment in the very early phase after a FUS. The in-depth diagnostic approach consists of admission to an epilepsy monitoring unit with prompt 24 hours electroencephalography and early advanced brain MRI with epilepsy protocol. We aim to evaluate the diagnostic yield of this in-depth versus the standard diagnostic approach as well as secondarily the recurrence of seizures, the delay to appropriate therapy as well as the psychological and healthcare burden (cost effectiveness).

Personal details

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Education and Training

2023 – now	Residency, Neurology, University Hospital Bern CH (Prof. Dr. med. Claudio Bassetti, Prof. Dr. med. Urs Fischer)
2022	Doctoral degree (Dr. med. / MD), University of Basel CH
2021 – 2023	Residency, Internal Medicine and Intensive Care Medicine, Grisons Cantonal Hospital CH (Prof. Dr. med. Thomas Fehr)
2019 – 2020	Research Fellowship, Neurology Stroke Center Research, University Hospital Basel CH (Prof. Dr. med. Philippe Lyrer)
2019	Federal medical examination in human medicine (CH)
2016 – 2019	Master in Medicine, University of Basel CH
2013 – 2016	Bachelor in Medicine, University of Fribourg CH

Research experience

Investigator-initiated trials and registries

- Prehospital Identification of Patients with suspected Stroke Using Onsite Mobile Telemedicine (TELE-STROKE, NCT03370094)
- Treatment of Intracerebral Hemorrhage in patients on Non-vitamin K Oral Anticoagulants with Tranexamic acid (TICH-NOAC, NCT02866838)
- New Anticoagulants in Prevention of Recurrent Stroke attributable to Atrial Fibrillation – National Audit and Prospective Registry (NOAC-ISP, NCT03826927)
- Diagnostics For First Unprovoked Seizures – a single center randomized trial (DIFFUSE, DRKS00038633)

Industry-sponsored trials

- ACTIMIS (Phase Ib/IIa, NCT03803007)
- AXIOMATIC-SSP (Phase 2, NCT03766581)

Memberships

- Swiss Association of Young Neurologists (SAYN)
- Swiss Society of Clinical Neurophysiology (SSCN)
- Swiss Stroke Society (SSS)
- European Stroke Organisation (ESO)
- American Academy of Neurology (AAN)