

14th Symposium Graduate School for Health Sciences 2022

Date: Tuesday, November 29 to Wednesday, November 30, 2022

Location: Studienzentrum Gerzensee

Talks in parallel: rooms Zürich and Genf. Poster flashes in plenum: room Bern. Poster viewing in plenum: Room Panoramasaal & Foyer

SCIENTIFIC PROGRAM

Talks: 10 min presentation & 5 min discussion and feedback

Poster flashes: 1 min

Tuesday, November 29

08.00 – 09.00 **Arrival and registration, Welcome Coffee**

09.00– 09.20 **Welcome Sissel Guttormsen, president & Tullia Padovani, Coordinator**
Room Bern: in plenum

09.30 – 11.00 **Session I, in parallel: Room Zürich**

Chair: **Sissel Guttormsen**

09.30 – 09.45 **Adamus Christine**
Independent Supported Housing for non-homeless people with severe mental illness

09.45 – 10.00 **Al-Alwan Heba**
Association between thyroid function genetic predictors and health outcomes: a phenome-wide Mendelian randomization analysis

10.00 – 10.15 **Amstutz Deborah**
Apathy and Impulse Control Disorders in Parkinson's Disease – Two opposite states of a behavioural spectrum?

10.15 – 10.30 **Andreoti Themis Areti**
Complex Lymphatic Anomalies: Update on patient registry

10.30 – 10.45 **Berger Daria**
10-years of Cystic Fibrosis newborn screening in Switzerland – time for optimisation

10.45 – 11.00 **Kolev Mirjam**
Antinuclear antibodies in autoimmune hepatitis and drug-induced liver injury

09.30 – 11.00 **Session I, in parallel: Room Genf**

Chair: **Tobias Nef**

- 09.30 – 09.45 **Brill Esther**
Can serious game-based cognitive training attenuate cognitive decline related to Alzheimer's Disease?
- 09.45 – 10.00 **Buitrago Diana**
The science of prevalence: development of an evidence-based tool to assess the risk of bias in prevalence studies
- 10.00 – 10.15 **Chapellier Victoria**
Nonverbal social perception mediates psychomotor slowing and functioning in psychosis
- 10.15 – 10.30 **Davidović Maša**
Cervical Cancer Prevention and Care Cascade For Women Living With HIV in Sub-Saharan Africa
- 10.30 – 10.45 **Salvador Dante Jr.**
Association of type 2 diabetes with long term mortality and life expectancy among patients hospitalised for acute heart failure in Switzerland: an ambispective cohort study.
- 10.45 – 11.00 **Siepen Bernhard**
Deciphering outcomes in intracerebral haemorrhage associated with different types, of oral anticoagulants

11.15 – 12.30 **Session II, in parallel: Room Zürich**

Chair: **Lorenz Räber**

- 11.15 – 11.30 **Filchenko Irina**
Sleep and cognitive functioning study: interim results
- 11.30 – 11.45 **Hamusonde Kalongo**
Sexual behavior in times of COVID-19 among MSM in Switzerland
- 11.45 – 12.00 **Jin Baudouin**
pc-SIRS and its current use in defining the epileptogenic focus
- 12.00 – 12.15 **Joliat Gaëtan**
Lymph node ratio as survival predictor and interest of early enteral nutrition after pancreas surgery
- 12.15 – 12.30 **Ramirez Adrià**
Understanding the hepatitis B continuum of care to inform elimination strategies in Sub-Saharan Africa

11.15– 12.30 **Session II, in parallel: Room Genf**

Chair: **Carla Meyer-Masseti**

- 11.15 – 11.30 **Gamba Rincón Magda**
Association between Dietary Phytochemical Index, cardiometabolic risk factors and metabolic syndrome in Switzerland. The CoLaus Study
- 11.30 – 11.45 **Jehli Elisabeth**
The bed nucleus of the stria terminalis as a key player in paranoia and anxiety
- 11.45 – 12.00 **Kern Charlotte**
Ivermectin metabolites clinical pharmacokinetics and activity against *Anopheles stephensi* mosquitoes
- 12.00 – 12.15 **Renggli Luzia**
Improving the Quality of Surveillance of Antibiotic Use
- 12.15 – 12.30 **Wild Salome**
Sleep P - A dimensional and transdiagnostic view on the association between sleep and mental health in adolescence

12.30 – 14.00 **Lunch**

14.00 – 15.00 **Session III, in parallel: Room Zürich**

Chair: **Stéphanie Baggio**

- 14.00 – 14.15 **Lange Naomi**
Implementation of a clinical pathway of care for advanced NAFLD in persons with diabetes
- 14.15 – 14.30 **Shalaeva Evgeniya**
Persistent medication adherence and lifestyle changes compliance in patients with advanced stages of atherosclerosis and 1-year all-cause mortality
- 14.30 – 14.45 **Shamu Tinei**
Weight and blood pressure trends among patients receiving antiretroviral therapy in Zimbabwe
- 14.45 – 15.00 **Zeller Céline**
Improving sleep to prevent cognitive decline

14.00 – 15.00 **Session III, in parallel: Room Genf**

Chair: **Sven Trelle**

- 14.00 – 14.15 **Kentgens Anne-Christianne**

Novel capnographic inhomogeneity indices in preterm infants and infants with cystic fibrosis

14.15 – 14.30 **Strebel Sven**
Hearing Loss in Childhood Cancer Survivors

14.30 – 14.45 **Wenz Elena**
Hypocretin measurements in the cerebrospinal fluid with liquid chromatography coupled to a tandem mass spectrometry

14.45 – 15.00 **Zens Philipp**
Methylation patterns in untreated synchronous brain metastases

15.15 – 17.00 Poster flash (1 min/poster)

Room Bern: in plenum

Chair Claudio Nigg

1. **Ahanchi Noushinsadat:** Iron biomarkers and cardiovascular risk factors: a cross sectional and longitudinal study
2. **Aponte Ribero Valerie:** Cardiovascular disease and type 2 diabetes in older adults: a combined protocol for an individual participant data analysis for risk prediction and a network meta-analysis of novel anti-diabetic drugs
3. **Banihashem Rad Seyedahmad:** Comparison of different oral health promotion messages: a research protocol
4. **Berger Daria Olena:** External validation of the Predicting Asthma Risk in Children (PARC) tool in a clinical cohort
5. **Beyeler Morin:** Absence of SVS in patients with Malignancy-Related Acute Ischemic Stroke Treated with Mechanical Thrombectomy
MAD minutes_1
6. **Blatter Tobias:** Swiss BioRef: A national infrastructure for generating personalized reference limits for diagnostic medicine
7. **Bosshard Michel:** Breaking Bad News: Optimizing Stress Responses and Communication Performance in Medical Students
8. **Christen Samuel:** Randomized crossover study comparing the pharmacokinetics of two different nicotine salt concentrations and free base nicotine using an open vape pod system
9. **de Brito Maria:** Predictors and management of post-banding ulcer bleeding in cirrhosis
10. **Frei Adriana:** The Association between Implicit Associations and Suicidal Ideation/ Behavior, Preliminary Results
MAD minutes_2
11. **Gallucci Laura:** Post-stroke cognitive impairment in acute stroke: high prevalence of memory deficits and protective impact of cognitive reserve

12. **Geiser Nora:** Cross-modal effects after stroke – the influence of sensory stimulation on visual neglect: a proof-of-concept study
 13. **Gogollari Artemisa:** Implementing Digital Learning and Teaching in higher education beyond the Covid19 pandemic Among
 14. **Gomes Fregolente Livia:** SPHYNCS: The Swiss Primary Hypersomnolence and Narcolepsy Cohort Study
 15. **Hysaj Ola:** Subclinical Hypothyroidism, Cardiovascular Risk, and Age – an Individual Participant Analysis of Prospective Cohort Studies
MAD minutes_3
 16. **Jakob Julian:** Use of tobacco, nicotine and cannabis products among students Switzerland
 17. **Jörger Philippa:** Screening for Hearing Loss in Swiss Childhood Cancer Survivors - A Participatory Community-Based Research Project
 18. **Kandhasamy Sreemanjari:** Perinatal outcomes after recreational drug use in pregnancy: A cohort study
 19. **Kastrati Lum:** Can iron biomarkers improve diagnosis of menopause
 20. **Khatami Farnaz:** Identifying the potential mediating role of iron biomarkers on the association of sex with glucose, insulin, and Type 2 Diabetes incidence
MAD minutes_4
 21. **Maisonneuve Emeline:** Evolution of the national guidelines on the medicines used to treat COVID-19 in pregnancy in 2020-2021: a historical review
 22. **Maradan-Gachet Marie:** Creativity and hallucinations in Parkinson’s disease - Dysfunctional brain networks and the role of dopamine
 23. **Marchionatti Emma:** Drug resistance in *Trueperella pyogenes* human and animal clinical isolates in Switzerland
 24. **Menassa Marilyne:** Concepts and definitions of healthy ageing: A systematic review and synthesis of theoretical models
 25. **Mujanović Adnan:** Importance of Delayed Reperfusion in Patients With Incomplete Thrombectomy
- 15.55 – 16.20 Break**
26. **Nogueira da Silva e Sousa Mario:** SPEECH in Parkinson’s disease: from motion to emotion and cognition
 27. **Nuoffer Melanie:** Psychomotor Slowing alters Velocity, Cadence and Stride Length in Psychosis
 28. **Ortega Natalia:** Dairy consumption and very mild cognitive impairment (VMCI) in older adults
 29. **Pahud de Mortanges Aurélie:** Renal Toxicity of Non-Steroidal Anti-Inflammatory Drugs in Patients with Covid-19

30. **Piani Maria Chiara:** The self in the brain – topographic mapping of EEG and evoked potentials of pre-reflective and reflective self experience
MAD minutes_5
31. **Raeisi-Dehkordi Hamidreza:** Risk Prediction Models of Natural Menopause Onset: A Systematic review
32. **Rocuzzo Andrea:** Global prevalence of edentulism and dental caries in middle-aged and elderly persons: A systematic review and meta-analysis
33. **Schane Daniel:** Systematic Review of Prognostic Biomarkers in HNSCC Treated with radiotherapy
34. **Scharf Tamara:** Trends in prescription of stimulant agents in Switzerland
35. **Schneider Carlotta:** Modulation of sleep perception through auditory closed-loop stimulation
MAD minutes_6
36. **Schreck Leonie:** Diagnostic testing in people with primary ciliary dyskinesia around the world: where do we stand?
37. **Streibel Carmen:** MP-MRI for monitoring therapy effects: Using the example of patients with CF receiving ELX/TEZ/IVA combination therapy
38. **Stüble Miriam:** Clinical profiles of a combined clinical high risk for psychosis and clinical control sample: A latent class analysis.
39. **Tuleja Aleksandra:** Clinical phenotype of adolescent and adult patients with extracranial vascular malformation
40. **Vidonscky Lüthold Renata:** Exploring GPs' and patients' views on the use and deprescribing of herbal and dietary supplements: Protocol for a survey study in Switzerland
MAD minutes_7
41. **Wespi Rafael:** A glimpse of future – exploring objective measures for evaluating medical teamwork in VR settings – an interview review
42. **Zangger Martina:** Prescriptions for long-term beta blockers after myocardial infarction in Europe (PRACTITIONER study) - Protocol for a case vignette study exploring the perspective of general practitioners
43. **Žarković Maša:** Parental smoking and pulmonary outcomes in young childhood cancer survivors
44. **Zimmermann Nadja:** Effects of concurrent phase-locked tACS-iTBS on neural plasticity in the prefrontal cortex

17.15 – 19.00 **Poster Viewings:**
Room Panoramasaal & Foyer: in plenum
Chairs: **Godfather/mothers**

19.30 **Dinner**

Wednesday, November 30

Workshop: Ethics in Health Sciences

Lectures in plenum: Room Bern.

Interactive parts: rooms Zürich and Genf

Students divided in: GROUP A and GROUP B

07.30 – 09.00 Breakfast & Check-Out

09.00 – 09.45 Workshop
Room Bern: in plenum
Chair: Marcel Zwahlen

09.00 – 09.05 Introduction Lecturers

09.05 – 09.25 Lecture 1 Title: Ethical principles for basic and clinical research: a very short introduction **PD Dr. Roberto Andorno**

09.25 – 09.45 Lecture 2 Title: Ethics of Emerging Technologies in Biomedicine **Dr. Marcello Ienca**

09.50 – 10.35 Workshop in parallel room Zürich: PD Dr. Roberto Andorno
Group A
Interactive part

09.50 – 10.35 Workshop in parallel room Genf: Dr. Marcello Ienca
Group B
Interactive part

10.35 – 11.00 Coffee Break

11.00 – 11.45 Workshop
Room Bern: in plenum
Chair: Marcel Zwahlen

11.05 – 11.25 Lecture 3 Title: Human rights **PD Dr. Roberto Andorno**

11.25 – 11.45 Lecture 4 Title: Neurorights **Dr. Marcello Ienca**

11.50 – 13.00 Workshop in parallel room Zürich: Dr. Marcello Ienca
Group A
Interactive part

11.50 – 13.00 **Workshop in parallel room Genf: PD Dr. Roberto Andorno**
Group B
Interactive part

13.00 – 14.30 **Lunch**

14.30 – 16.00 **Session IV in parallel: Room Zürich**

Chair **Achim Elfering**

14.30 – 14.45 **de Schrijver Evan**
Nationwide projections of heat and cold-related mortality Switzerland
under differ climate scenarios

14.45 – 15.00 **Menéndez Marta**
Neural substrates of prospective memory in healthy aging and their interplay with
reward

15.00 – 15.15 **Mitchell Sharon**
Building an evidence based training program for interprofessional frontline health
professionals

15.15 – 15.30 **Patt Nadine**
High-intensity interval training and energy management education in persons with
multiple sclerosis

15.30 – 15.45 **Ram Sai**
Cliques within the crowd: Identifying medical conference attendee subgroups by
their motivations for participation

15.45 – 16.00 **Wernli Ursina**
Prescription trends and deprescribing in hospice and palliative care

14.30 – 16.00 **Session IV in parallel: Room Genf**

Chair **Evangelia Liakoni**

14.30 – 14.45 **Bundo Marvin**
The impact of ambient temperature on mental health hospitalizations,
suicide and mood

14.45 – 15.00 **Gastens Viktoria**
Development and internal validation of a new life expectancy estimator for
multimorbid older adults

15.00 – 15.15 **Rodriguez Belén**
Brain fog in postural tachycardia syndrome: associated with autonomic hyperarousal?

15.15 – 15.30 **Schmidt Nadine**
Exploring the role of frontal or parietal lobes in older adults' attentional control and
prospective memory

15.30 – 15.45	Schürch Kirstin How is cerebral perfusion associated with functional outcome in pediatric cancer survivors?
15.45 – 16.00	Wyss Carmen What fundamentally matters - Eliciting objectives for structured health care decision-making
16:00 – 16.30	Coffee Break
16.30 – 17.00	Award ceremony best poster and talk (Tullia Padovani), Closure Symposium (Sissel Guttormsen) Room Bern: in plenum
