

29th January 2025

RESEARCH SYMPOSIUM

HEALTH LUCERNE

PROGRAM

09:00–10:00	Opening Plenary	Room: HS 1
10:00–10:30	Coffee Break	
10:30–11:30	Parallel Sessions 1	Room: HS 3, HS 4, HS 7, HS 8
11:30–11:40	Short Break	
11:40–12:20	Parallel Sessions 2	Room: HS 1, HS 3, HS 4, HS 7, HS 8
12:20–13:30	Lunch Break	
13:30–14:30	Parallel Sessions 3	Room: HS 1, HS 3, HS 4, HS 7, HS 8
14:30–14:40	Short Break	
14:40–15:40	Parallel Sessions 4	Room: HS 3, HS 4, HS 7, HS 8
15:40–16:00	Coffee Break	
16:00–16:45	Closing Plenary	Room: HS 1

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HSLU Hochschule
Luzern

UNIVERSITÄT
LUZERN

XUND BILDUNGSZENTRUM
GESUNDHEIT
ZENTRALSCHWEIZ



Opening Plenary

09:00–10:00 Uhr

Welcome and Keynote

Moderation: Stefan Boes, University of Lucerne

HS 1

Welcome

Stefan Boes, University of Lucerne

Keynote

Katrin Hoffmann, Luzerner Kantonsspital



Parallel Sessions

Parallel Sessions 1 10:30 – 11:30 Uhr

1A – Childhood cancer and intensive care

HS 3

Chair: Gisela Michel, University of Lucerne

Sonja Kälin, University of Lucerne

The long shadow of childhood cancer: insurance, legal and financial hardships faced by parents of childhood cancer survivors

Eddy Carolina Pedraza Salcedo, University of Lucerne

Post-traumatic growth in parents long after their child's death from cancer – A cross-sectional survey in Switzerland

Katharina Roser, University of Lucerne

Career evolution: Parental adaptations throughout and beyond childhood cancer treatment in Switzerland – a report from the Swiss Childhood Cancer Survivor Study-Parents

Sandra Stalder, HSLU

Mein Kind war kritisch krank: Erfahrungen von Eltern im Familien- und Alltagsleben nach Aufenthalt ihres Kindes auf der Kinderintensivstation

Peter Francis Raguidin, University of Lucerne

Resilience of parents of childhood cancer survivors – Results from a population-based survey in Switzerland (The Swiss Childhood Cancer Survivor Study-Parents)

Mirjam Wallimann und Olaf Arnz, XUND

Kinder-Palliativtag für Studierende: Eine handlungsorientierte Intervention zur Stärkung der Kooperation und des Berufsrollenverständnisses

1B – Innovation in education and health management

HS 4

Chair: Suzanne Lischer, HSLU

Daniel Kunz, HSLU

herzfröh 2.0 – partizipative Qualitätsentwicklung sexualpädagogischer Materialien für junge Menschen mit Lernschwierigkeiten

Uta Jüttner, HSLU

Förderung der achtsamen Social-Media-Nutzung und des psychischen Wohlbefindens bei Lernenden durch GKI-gestützte digitale Helfer

Michael Kraft und Sibylle Bracher, XUND

Neue Wege im evidence-based-learning: Der Mehrwert einer praxisorientierten Projektarbeit im NDS

Alexander Götman, HSLU

Holistisches betriebliches Gesundheitsmanagement – Steuerung von Massnahmen zur Verhaltens- und Verhältnisprävention

Michael Doerk, HSLU

GKI-basierte, personalisierte Assistenz der HSLU-Onlineplattform für Ressourcenmanagement, Prävention und Gesundheitsförderung

Astrid Rimbach, University of Lucerne

Resilienzkompas zur Stärkung der organisationalen Resilienz von Organisationen im Gesundheitswesen

1C – Quality and patient safety

HS 7

Chair: Patrick Beeler, University of Lucerne

Aylin Wagner, HSLU

Is home care use associated with secondary health conditions in persons with spinal cord injury? Findings from a longitudinal cohort study

Georgia Weber, University of Lucerne

Stärkung der Patientensicherheit durch standardisierte Erfassung von unerwünschten Arzneimittelwirkungen mit Hospitalisierungsfolge

Silvan Sigg, University of Lucerne

Enhancing post-surgery patient education: A comparative study of leaflet information vs. surgeon-recorded video assistance

Kaisa Ruoraniemi und Oliver Kessler, HSLU

Medizinische Leitlinien im Schweizer Gesundheitswesen: Anwendungspraxis, systembedingte Hürden und Treiber

1D – Diagnostics

HS 8

Chair: Fabian Ille, HSLU

Ernest Kaufmann, University of Lucerne

Diagnostic accuracy of a urine-based DANN methylation marker test in patients with lesions in the upper urinary tract: First results of a European validation study

Ernest Kaufmann, University of Lucerne

Implementation of microRNA-371 into the follow-up protocol of men with stage 1 testicular germ cell tumors (microRNA-TARGET) – First results of a Prospective multi-institutional cohort study

Simone Lionetti, HSLU

Hyperbolic outlier detection for safe computer-assisted diagnosis

Pascal Baumann, HSLU

Evaluation of deep audio representation for hearables

Ludovic Amruthalingam, HSLU

Automated transcription and summarization of dermatology consultations

Parallel Sessions 2 11.40–12.20 Uhr

2A – Job satisfaction

Chair: Guillermina Noel, HSLU

HS 3

Jana Z'Rotz, HSLU

Does teleworking make you happier? The impact of teleworking on individual well-being

Stefan Boes, University of Lucerne

Discussant

Livia Freitag, University of Lucerne

Enhancing job satisfaction in hospital-based healthcare: a systematic review of evidence-based interventions and policy strategies

Guillermina Noel, HSLU

Discussant

2B – Primary care provision and education

Chair: Christian Schirlo, University of Lucerne

HS 4

Franziska Geese, HSLU

Neuer Masterstudiengang in Pflege: Ausbildung von Advanced Practice Nurses zur Bewältigung des Versorgungsbedarfs in der Zentralschweiz

Christian Schirlo, University of Lucerne

Discussants

Sarah Mantwill, University of Lucerne

Towards future primary care in Switzerland: Co-creation of the Health2040 action plan

Oliver Kessler, HSLU

Discussant

2C – Cancer and cancer care

Chair: Adrian Martinez de la Torre, University of Lucerne

HS 7

Céline Bolliger, University of Lucerne

Incidence and mortality of cancer in adolescents and young adults (AYAs) in Switzerland

Fabio Knöfler, HSLU

Discussant

Fabian Gröger, HSLU

PASSION for dermatology: Bridging the diversity gap with pigmented skin images from Sub-Saharan Africa

Adrian Martinez de la Torre, University of Lucerne

Discussant

2D – Functioning information and metrics

Chair: Carla Sabariego, University of Lucerne

HS 8

Jiin Kim, University of Lucerne

Developing a common functioning metric for the Korean population using national health survey data

Simone Lionetti, HSLU

Discussant

Céline Lenherr, University of Lucerne

Identification of important and relevant functioning-based outcomes for persons with an oral health condition from the patient's perspective

Carla Sabariego, University of Lucerne

Discussant

2E – Showcasing student work 1

Chair: Luisa Koller, University of Lucerne

HS 1

Anita Linke, University of Lucerne

Information exchange portal of a Swiss hospital group notifying private practices – A retrospective data analysis focusing on notifications of emergency admissions, in-hospital deaths, and discharges

Mariana Meier, HSLU

Designing well-being for assistant doctors

Sophie Koetter, HSLU

Rethinking involvement

3A – Innovation in training and health professionals

Chair: Sara Rubinelli, University of Lucerne

HS 3

Sophie Karoline Brandt, University of Lucerne

What influences health professionals' innovativeness? Results of a cross-sectional study

Stefan Gysin, University of Lucerne

Discussant

Natalie Messerli, University of Lucerne

Co-creating health equity training for emerging researchers: A learning health system approach

Sara Rubinelli, University of Lucerne

Discussant

Parallel Sessions 3 13:30–14:30 Uhr

3B – Surgery and medical technology

Chair: Martin Walter, University of Lucerne

HS 4

Felix Peuker, University of Lucerne

Implant irritation and removal rates in operatively treated multiple rib fractures: a 49-month follow-up study

Reto Babst, University of Lucerne

Discussant

Roelien Haveman, University of Lucerne

The use of 3D computer-assisted navigation and its influence on radiation exposure in the surgical treatment of fragility fractures of the pelvis

Martin Walter, University of Lucerne

Discussant

Yannic Lecoultré, University of Lucerne

Low-profile double plating versus conventional single plating in midshaft clavicle fractures: A retrospective study and initial experience with this novel technique

Fabian Ille, HSLU

Discussant

3C – Psychosocial health and determinants

Chair: Oliver Grübner, University of Lucerne

HS 7

Anne Maas, University of Lucerne

Financial support and income satisfaction among grandparents of childhood cancer patients – Results from the GROKids project

David Weisstanner, University of Lucerne

Discussant

Barbara Gantner, University of Lucerne

Psychosocial distress in grandparents whose grandchildren have cancer – A cohort analysis on grandparents of childhood cancer patients in Switzerland (GROKids project)

Thekla Brunkert, University of Lucerne

Discussant

Anne Maas, University of Lucerne

Assessment of information and psychosocial support needs in childhood, adolescent, and young adult cancer survivors across Europe

Peter Francis Raguidin, University of Lucerne

Discussant

3D – Health, healthcare and socioeconomic factors

Chair: Diana Pacheco Barzallo, University of Lucerne

HS 8

Boris Polanco, University of Lucerne

Healthcare utilization and costs associated with chronic diseases in Europe: A comparative analysis

Stefan Boes, University of Lucerne

Discussant

Nikola Koschmieder, HSLU

Gesundheitsbezogene Verwirklichungschancen sozioökonomisch benachteiligter Kinder und Jugendlicher. Eine gerechtigkeits-theoretische Perspektive

Suzanne Lischer, HSLU

Discussant

Josia Schramm, University of Lucerne

Spatial variation in ambulatory care sensitive hospitalizations in Switzerland: The role of patient demographics and comorbidities

Diana Pacheco Barzallo, University of Lucerne

Discussant

3E – Showcasing student work 2

Chair: Sandra Füssenich, XUND

HS 1

Magdalena Tomoff, HSLU

In a white room with piranhas: new frontiers in healthcare with data-driven colour design and material experimentation

Fiona Rupp, XUND

Die verlorene Verbindung – Vertrauensaufbau und Körperbildstörung bei Querschnittlähmung nach traumatischem Erlebnis

Sine Hughes-Brühlmann, University of Lucerne

Assessing the utilisation of obstetric emergency transportation services in rural areas of low-income countries: Insights from an original survey in northern Mozambique

Monica Maria Arigoni, XUND

Neonatales Abstinenzsyndrom – Betreuung von Neugeborenen und ihren Eltern

4a – Prevention and health promotion

HS 3

Chair: Sarah Mantwill, University of Lucerne

Christine Beeler, HSLU

Gesundheitskompetenzen von Personen mit niedrigem sozioökonomischem Status stärken

Vanessa Gut, University of Lucerne

Dynamics of adolescent psychosocial patterns in sport and exercise among educational transitions

Manuela Eder, HSLU

Sportwetten über hybride Vertriebskanäle

Seraina Caviezel Schmitz, HSLU

Hilfesuchverhalten von Opfern häuslicher Gewalt in Abhängigkeit von Geschlecht und sexueller Identität: Wo kann die Prävention ansetzen?

Suzanne Lischer, HSLU

Einflüsse von Lootbox-Käufen auf die Video- und Glückspielnutzung bei Jugendlichen

4B – Virtual and digital health

HS 4

Chair: Oliver Grübner, University of Lucerne

Christoph Würnschimmel, University of Lucerne

Beyond the bedside – Tracking patient outcomes in the digital age

Guang Lu, HSLU

Development of a personality-aware AI companion for the emotional support of older people

Pia Rosebelle Dela Paz, University of Lucerne

Unlocking historical vaccination records: Digitization of analog historical vaccination data from Swiss vaccination cards with artificial intelligence

Oliver Kessler, HSLU

Kosten-Nutzen-Modell für die Evaluation des Programms «Virtual Integrated Care im Kanton Luzern» und Design der Begleitforschung

Christoph Eck, HSLU

Robotik Assistenz für das Pflegepersonal

4C – Health, policy, and aging

HS 7

Chair: David Weisstanner, University of Lucerne

Ivana Stojcheva Jankulov, University of Lucerne

Mapping collaboration in Swiss health policy

Jürgen StremLOW, HSLU

Kantonale Förderung integrierter Versorgung im Altersbereich

Matthias Wächter, HSLU

Datengrundlagen für die Steuerung integrierter Versorgungsansätze im Gesundheitswesen und einer bedarfsgerechten Ausrichtung der Alterspolitik

Isabel Hodel, University of Lucerne

Untersuchung der Übergänge in der Funktionsfähigkeit und Behinderung bei älteren Menschen in der Schweiz anhand von Multistate Modellen (vorläufige Ergebnisse)

Luisa Koller, University of Lucerne

Task supporting und neue Berufsrollen in der Gesundheitsversorgung der Zukunft – eine qualitative Annäherung mittels Showcases

4D – Global public health

HS 8

Chair: Mònica Gaspar, HSLU

Vanessa Seijas, University of Lucerne

International stakeholder consultation on models of rehabilitation service delivery to foster healthy aging: results of a cross-sectional survey involving 124 countries and all World Health Organization region

Roxanne Maritz, University of Lucerne

Integration of rehabilitation and assistive technology into national health strategies in the WHO European region

Isabelle Fischer, University of Lucerne

Socioeconomic inequalities in employment trajectories following a cancer diagnosis: A study of 29 European countries

Eshetu Haileselassie Engeda, University of Lucerne

Severe malaria-related disability among children in Northwest Ethiopia

Carla Sabariego, University of Lucerne

Can we ensure no one is left behind by 2030? Demonstrating the potential of the WHO Functioning and Disability Disaggregation Tool

Closing Plenary

16:00–16:45 Uhr

P2 – Panel discussion Integrierte Gesundheitsver- sorgung im Kanton Luzern

HS 1

Moderation: Oliver Kessler, Hochschule Luzern

Fridolin Schraner, Stiftung APW, Vorstand Curaviva

Panelist

Beat Sonderegger, Hirslanden Klinik St. Anna

Panelist

Beatrice Wespi, Spitex Hochdorf und Umgebung

Panelist

Aurelia Herzog, Arztpraxis Aesch

Panelist

