

Dialysis Masterclass November 14th and 15th 2025

While all nephrologists are trained to prescribe standard dialysis treatments, true expertise goes beyond the basics.

Join our Hemodialysis Masterclass, where leading experts in the field will share in-depths knowledge on advanced dialysis strategies and practical approaches.

The focus of this Dialysis Masterclass will **be kinetics**. Our program includes insights into classification of removable toxins, nano-dialysis, extracorporeal methods to treat intoxications, pharmacokinetics of anti-infectious agents, insights into simulation of solute removal, transport mechanisms in peritoneal dialysis, aspects of sustainability, kinetics in plasma exchange, concepts of weekly Kt/V as well as dosing of dialysis in critical care.

This course is designed to deepen your understanding, sharpen your clinical decision making and elevate the quality of care you provide.

We look forward to welcoming you.



PD Dr.med. Fabienne Aregger
Medical Director of Dialysis
University Hospital Insel Bern



Prof. em. Dominik Uehlinger
University Hospital Insel Bern

Dialysis Masterclass

Program

Friday, 14 November 2025

Focus: 3A Uremic toxins

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| 14:00–14:45 | Pathophysiology and classification of removable and non-removable uremic toxins
Joachim Jankowski (45 Min.) |
| 14:45–15:30 | Miniaturisation of dialysis equipment – is „nano-dialysis“ on the horizon?
Fokko Wieringa (45 Min.) |

15:30–16:00 **Break**

Focus: 3B Pharmacokinetics and kinetics in mindset

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| 16:00–16.45 | Extracorporeal methods to treat intoxications
Jan T. Kielstein (45 Min.) |
| 16:45–17:15 | My most interesting poisoning case and my procedure
Kathrin Fausch (30 Min.) |
| 17:15–18:00 | Pharmacokinetics of anti-infectious agents
Jan. T. Kielstein (45 Min.) |
| 18:15 | Walk to Murten |
| 19:00 | <i>Fondue at the restaurant “Freiburger Falle” Murten</i> |

Dialysis Masterclass

Program

Saturday, 15 November 2025

Focus: 3C Solute kinetics and detoxication

08:30–10:00 Hands-on course: Part I. Simulate kinetic models with Vensim
Dominik Uehlinger (90 Min.)

10:00–10:45 Solute transfer in peritoneal dialysis
Felix Burkhalter (45 Min.)

10:45–11:15 *Break*

Focus: 3D Quantification

11:15–12:00 Hands-on course: Part II. Estimate solute removal by renal replacement
therapy
Dominik Uehlinger (45 Min.)

12:00–13:30 *Lunch break Centre Löwenberg*

13:30–14:15 Solute removal vs. sustainability in kidney replacement therapy
Joachim Beige (45 Min.)

14:15–15:00 Kinetics in plasma exchange
Norbert Arn (45 Min)

15:00–15:30 *Break*

15:30–16:15 Concept of weekly dialysis dose in PD and HD (incremental dialysis in-
cluded)
Stefan Farese (45 Min.)

16:15–17:00 Methods and dosing of kidney replacement therapy in ICU
Stephan Segerer 45 Min

17:00 Thank you and goodbye

Speakers

Dr. med. Norbert Arn
Kantonsspital St. Gallen

Prof. Dr. med. Joachim Beige
Kuratorium für Dialyse und Nierentransplantation (KfH) e.V., Leipzig

Dr. med. Felix Burkhalter
Kantonsspital Baselland

PD Dr. med. Stefan Farese
Herz- und Nierenzentrum Aare, Solothurn

Dr. med. Kathrin Fausch
Kantonsspital Graubünden

Univ. Prof. Dr. rer. nat. Joachim Jankowski
Director of the institute for Molecular Cardiovascular Research RWTH Aachen

Prof. Dr. med. Jan T. Kielstein
Nephrologie & Blutreinigung, Städtisches Klinikum, Braunschweig

Prof. Dr. med. Stephan Segerer
Kantonsspital Aarau

Prof. em. Dr. med. Dominik Uehlinger
Universitätsspital, Inselspital Bern

Prof. Fokko Pieter Wieringa
Holst Centre – imec the Netherlands, Eindhoven