



ERA-EDTA CME COURSE

International Centre of Biocybernetics

Management of fluid overload in dialysis patients

November 16-18, 2018, Warsaw, Poland

Program

Day 1		Friday, 16 th November 2018
11:00 – 12:00	Pre-Course Introductory Lectures (optional): Basis of Mathematical Modeling in Dialysis	
11:00 – 11:30	How to start modeling of HD? <i>Malgorzata Debowska</i>	
11:30 – 12:00	Modeling of peritoneal dialysis <i>Joanna Stachowska-Pietka</i>	
13:00 – 18:00	Course Registration Open	
14:00 – 15:30	<i>Special workshop on practical use of BIA</i> <i>Elizabeth Lindley</i>	
16:00 – 16:30	Welcome and Introduction <i>Piotr Ladyzynski, Bengt Lindholm, Jacek Waniewski</i>	
16:30 – 18:00	Opening Lectures	
16:30 – 17:00	Clinical consequences of fluid overload in chronic kidney disease patients <i>Andrzej Wiecek</i>	
17:00 – 17:30	Importance of fluid status in dialysis patients <i>Jeroen Kooman</i>	
17:30 – 18:00	Fluid overload in HD: Optimizing fluid removal in HD <i>Wojciech Zaluska</i>	
18:00 – 20:00	Welcome Reception	
Day 2		Saturday, 17 th November 2018
9:00 – 10:30	Hemodialysis Session I	
09:00 – 9:30	Fluid removal by HDF, HF and HD <i>Adrian Covic</i>	
9:30 – 10:00	BIA-guided fluid management in HD <i>Elizabeth Lindley</i>	
10:00 – 10:30	Blood volume-guided fluid management in HD <i>Daniel Schneditz</i>	

- 10:30 – 11:00** **Meet the teacher combined with coffee break**
- 11:00 – 12:30** **Hemodialysis Session II**
- 11:00 – 11:30 Plasma volume changes in HD
 Daniel Schneditz
- 11:30 – 12:00 Kinetics of fluid removal in HD
 Jacek Waniewski
- 12:00 – 12:30 Fluid overload during more frequent HD
 Ken Leypoldt
- 12:30 – 14:00** **Lunch**
- 14:00 – 15:30** **Peritoneal Dialysis Session I**
- 14:00 – 14:30 Fluid overload in PD: Optimizing fluid removal in PD
 Mark Lambie
- 14:30 – 15:00 Optimizing fluid removal in PD: What did we
 learn from IPOD-PD study
 James Heaf
- 15:00 – 15:30 Optimizing fluid removal in PD without using bioimpedance
 Olof Heimbürger
- 15:30 – 16:00** **Meet the teacher combined with coffee break**
- 16:00 – 17:30** **Other fluid overload conditions: CKD pre-dialysis, AKI and HF**
- 16:00 – 16:30 Managing fluid overload in CKD-5ND patients
 Olof Heimbürger
- 16:30 – 17:00 Managing fluid overload in AKI and renal failure patients using CRRT
 Jorge Echeverri
- 17:00 – 17:30 Managing fluid overload by dialytic therapies
 in heart failure
 Adrian Covic

Day 3

Sunday, 18th November 2018

- 08:30 – 10:30** **Posters, meet the expert session, hands-on BIA and coffee/tea**
- 08:30 – 9:30 Informal discussions on the topic with expert of your choice
 PD: Martin Wilkie, Mark Lambie, Olof Heimbürger, James Heaf
 Carl Öberg, Bengt Lindholm, Raymond Krediet
 HD: Daniel Schneditz, Adrian Covic
 Zaluska, Elizabeth Lindley
 Pre-dialysis, AKI and CRRT: Olof Heimbürger, Adrian Covic
 Jorge Echeverri
- 09:30 – 10:30 Bioimpedance – Hands on session
 Elizabeth Lindley
- 10:30 – 11:00** **Meet the teacher combined with coffee break**
- 11:00 – 12:30** **Peritoneal Dialysis Session II**
- 11:00 – 11:30 Sodium and fluid removal in PD
 Raymond Krediet
- 11:30 – 12:00 Managing fluid overload in PD: Clinical aspects
 James Heaf
- 12:00 – 12:30 Fluid assessment in PD: Is there is still a place for clinical acumen?
 Martin Wilkie

- 12:30 – 13:30** **Lunch**
- 13:30 – 15:00** **Peritoneal Dialysis Session III**
- 13:30 – 14:00 Clinical experience of fluid management and remote patient monitoring in PD
Beata Naumnik
- 14:00 – 14:30 Fluid removal during very long dwell with icodextrin in peritoneal dialysis: achievements and perspectives
Zofia Wankowicz
- 14:30 – 15:00 Modeling fluid removal in APD
Carl Öberg
- 15:00 – 15:15** **Closing Remarks**

15:30 – 16:30 **Round table discussion:** Future directions of research aiming at improving assessment of fluid status and management of fluid overload in dialysis patients.
Where are we now, what needs to be done, how could we do it?
All are welcome to participate in discussion and propose research initiatives.