



ERA-EDTA CME COURSE

International Centre of Biocybernetics

Dialysis Adequacy and Kinetic Modelling

October 12-14, 2012, Warsaw, Poland

Program

Day 1	Friday, 12 th October 2012
13.30 – 18.00	Registration Open
14.00 – 15.30	Pre-Course Introductory Lectures (optional): Basis of Mathematical Modeling in Dialysis
14.00 – 14.30	How to start modeling of hemodialysis? <i>Malgorzata Debowska</i>
14.30 – 15.00	Classical membrane modeling for peritoneal dialysis: applications and limitations <i>Joanna Stachowska-Pietka</i>
15.00 - 15.30	Application of the three-pore modeling to peritoneal dialysis <i>Magda Galach</i>
16.00 – 16.30	Welcome and Introduction Jan Wojcicki, Bengt Lindholm
16.30 - 17.30	Opening Lectures
16.30 – 17.00	Clinical value of monitoring dialysis adequacy <i>Zofia Wankowicz</i>
17.00 – 17.30	When to start dialysis? <i>James Tattersall</i>
17.30 - 19.30	Welcome Reception
Day 2	Saturday, 13 th October 2012
9.00 - 10.30	General Adequacy Session
9.00 – 9.30	Adequacy of PD based on kinetic modeling: An overview <i>Olof Heimbürger</i>
9.30 – 10.00	Adequacy measurement in HD: An overview <i>James Tattersall</i>
10.00 – 10.30	Adequacy of fluid removal in dialysis patients: An overview <i>Simon Davies</i>

- 10.30 – 11.00 Meet the teacher combined with coffee break**
- 11.00 – 12.30 Peritoneal Dialysis Session I**
- 11.00 – 11.30 How do we measure PD adequacy in the clinic?
Olof Heimbürger
- 11.30 – 12.00 Peritoneal membrane assessment and biomarkers in PD
Raymond Krediet
- 12.00 – 12.30 The three pore model for PD
Bengt Rippe
- 12.30 – 14.00 Lunch**
- 14.00 – 15.00 Peritoneal Dialysis Session II**
- 14.00 – 14.30 Modeling of peritoneal transport
Joanna Stachowska-Pietka
- 14.30 – 15.00 Optimizing the short and long peritoneal dwells
Bengt Rippe
- 15.00 – 15.30 Epidemiology Lecture**
- How is dialysis practiced in Europe today?
Boleslaw Rutkowski
- 15.30 – 16.00 Meet the teacher combined with coffee break**
- 16.00 – 17.30 Hemodialysis Session 1**
- 16.00 – 16.30 How do we measure HD adequacy in the clinic?
James Tattersall
- 16.30 – 17.00 Kt/V and UKM: Concepts and pitfalls
Frantisek Lopot
- 17.00 – 17.45 Evaluation of middle molecule, beta-2-microglobulin and protein-bound solute clearance
Alp Akonur

Day 3

Sunday, 14th October 2012

- 8.30 – 9.30 Meet the expert session and coffee/tea**
- 8.30 – 9.30 Informal discussions on the topic and expert of your choice
PD: Bengt Rippe, Olof Heimbürger, Ray Krediet, Simon Davies
HD: James Tattersall, Daniel Schneditz, Frantisek Lopot
- 9.30 – 10.30 Kinetic Modeling Session I**
- 9.30 – 10.00 Kinetics of glucose and insulin during hemodialysis
Daniel Schneditz
- 10.00 – 10.30 Kinetics of glucose and insulin during peritoneal dialysis
Magda Galach
- 10.30 – 11.00 Meet the teacher combined with coffee break**
- 11.00 – 12.30 Kinetic Modeling Session II**
- 11.00 – 11.30 Physiologically based kinetic modeling in hemodialysis
Daniel Schneditz
- 11.30 – 12.00 Modeling of phosphate kinetics during dialysis sessions I
Frantisek Lopot
- 12.00 – 12.30 Modeling of phosphate kinetics during dialysis sessions II
Alp Akonur

- 12.30 – 13.30** **Lunch**
- 13.30 – 15.00** **Kinetic Modeling Session III**
- 13.30 – 14.00 How to assess fluid status in dialysis patients?
 Simon Davies
- 14.00 – 14.30 Modeling of fluid transport in dialysis
 Jacek Waniewski
- 14.30 – 15.00 Adequacy assessment: renal and dialytic clearances
 Malgorzata Debowska
- 15.00 – 15.15** **Closing Remarks**