



Course on
Metabolic and Nutritional Issues in the ICU
Brussels, Erasme Hospital, May 28-29, 2019

May 28th, 2019

08.30	Registration – coffee
09.00	Introduction Jacques Creteur (Brussels, Belgium)
	<i>The basics</i>
09.05	Digestion and absorption of nutrients Jean-Charles Preiser (Brussels, Belgium)
09.25	Composition of standard nutritional formulas Jean-Charles Preiser (Brussels, Belgium)
09.45	Bedside assessment of body composition David Griffith (Edinburgh, UK)
10.05	Discussion
10.20	Break
10.40	Metabolic response to stress Jean-Charles Preiser (Brussels, Belgium)
11.00	Mitochondrial dysfunction Arthur van Zanten (Ede, Netherlands)
11.20	Autophagy Michael Casaer (Leuven, Belgium)
	<i>Bedside measurement of energy expenditure</i>
12.00	Indirect calorimetry Vincent Fraipont (Liege, Belgium)
12.20	Capnometry Art van Zanten (Ede, Netherlands)
12.40	What did we learn from monitoring of energy expenditure? Stephan Jakob (Bern)
13.00	Discussion
13.15	Lunch

14.00	Enteral feeding Why early? Jean-Charles Preiser (Brussels, Belgium)
14.20	Enteral nutrition, feeds, delivery methods Marianna Arvanitaki
14.40	Beside assessment of gastrointestinal function S Jakob
15.00	Intermittent feeding Michael Casaer (Leuven, Belgium)
	Discussion
15.20	Break
	Parenteral feeding
15.35	Vascular accesses – PICCline Marianna Arvanitaki
15.55	Early parenteral nutrition? Karolien Dams
16.15	Supplemental PN: when and for whom? Jan Wernerman (Stockholm, Sweden)
16.35	Refeeding syndrome Arthur van Zanten (Ede, Netherlands)
16.55	Discussion
17.10	Clinical case discussion #1 <i>Michael Casaer / Vincent Fraipont / Karolien Dams</i>
17.45	End



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08.30	<i>Protein intakes and muscle function</i> Protein turnover Jan Wernerman (Stockholm, Sweden)
08.50	Prehabilitation Christian Stoppe (Aachen, Germany)
09.10	Protein delivery: can it be too low? Vincent Fraipont
09.30	Protein delivery: can it be too much? Michael Casaer (Leuven, Belgium)
09.50	Discussion
10.00	Bedside assessment of muscle mass and function Muriel Lemaire (Brussels, Belgium)
10.20	Prevention and treatment of ICU-acquired muscular weakness David Griffith
10.40	Discussion
10.50	Break
11.10	<i>Computer-assisted prescription</i> Computer-assisted prescription: principles Vincent Fraipont (Liège, Belgium)
11.30	Computer-assisted prescription: clinical application Arthur van Zanten (Ede, Netherlands)
11.50	Discussion
12.00	<i>Case discussion #2 : after cardiac surgery</i> Christian Stoppe (Aachen, Germany)

12.30

Lunch

13.20

Specialized nutrients

Pharmaconutrition in the ICU: an overview

Vincent Fraipont (Liège, Belgium)

13.40

Vitamin D

Jean-Charles Preiser (Brussels, Belgium)

14.00

Vitamin C

Christian Stoppe (Aachen, Germany)

14.20

Selected aminoacids

Jan Wernerman (Stockholm, Sweden)

14.40

Micronutrients

M Casaer

15.15

Nutrition and blood glucose control in the ICU

JC Preiser

15.35

Lipids in parenteral nutrition

Arthur van Zanten (Ede, Netherlands)

15.55

Discussion

16.10

Physical recovery after critical illness

David Griffith

16.30

Current guidelines : summary

M Casaer

17.00

Round table: important messages

All speakers and participants.

17.30

Adjournment