



## International Course on Metabolic and Nutritional Issues in the ICU

Brussels, Erasme Hospital, May 28-29, 2019

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### May 28<sup>th</sup>, 2019

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

12.55	<b>Lunch</b>
	<b><i>Enteral feeding</i></b>
14.00	<b>Why early?</b> Jean-Charles Preiser (Brussels, Belgium)
14.20	<b>Enteral nutrition, feeds, delivery methods</b> Marianna Arvanitaki (Brussels, Belgium)
14.40	<b>Bedside assessment of gastrointestinal function</b> Stephan Jakob (Bern, Switzerland)
15.00	<b>Intermittent feeding</b> Michael Casaer (Leuven, Belgium)
15.20	<b>Discussion</b>
15.35	<b>Break</b>
15.45	<b><i>Parenteral feeding</i></b> <b>Vascular access: PICC line</b> Marianna Arvanitaki (Brussels, Belgium)
16.05	<b>Early parenteral nutrition?</b> Karolien Dams (Antwerp, Belgium)
16.25	<b>Supplemental PN: when and for whom?</b> Jan Wernerman (Stockholm, Sweden)
16.45	<b>Refeeding syndrome</b> Arthur van Zanten (Ede, Netherlands)
17.05	<b>Discussion</b>
17.20	<b><i>Clinical case discussion #1</i></b> <i>Michael Casaer / Vincent Fraipont / Karolien Dams</i>
17.50	<b>End</b>



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

12.00	<b><i>Clinical case discussion #2 : after cardiac surgery</i></b> Christian Stoppe (Aachen, Germany)
12.30	<b>Lunch</b>
	<b><i>Specialized nutrients</i></b>
13.20	<b>Pharmaconutrition in the ICU: an overview</b> Vincent Fraipont (Liège, Belgium)
13.40	<b>Vitamin D</b> Jean-Charles Preiser (Brussels, Belgium)
14.00	<b>Vitamin C</b> Christian Stoppe (Aachen, Germany)
14.20	<b>Selected amino acids</b> Jan Wernerman (Stockholm, Sweden)
14.40	<b>Micronutrients</b> Michael Casaer (Leuven, Belgium)
15.00	<b>Discussion</b>
15.15	<b>Nutrition and blood glucose control in the ICU</b> Jean-Charles Preiser (Brussels, Belgium)
15.35	<b>Lipids in parenteral nutrition</b> Arthur van Zanten (Ede, Netherlands)
15.55	<b>Physical recovery after critical illness</b> David Griffith (Edinburgh, UK)
16.15	<b>Current guidelines: summary</b> Michael Casaer (Leuven, Belgium)
16.45	<b>Round table: important messages</b> All speakers and participants
17.15	<b>End</b>