



**Course on**  
**Metabolic and Nutritional Issues in the ICU**  
Brussels, Erasme Hospital, May 29-30, 2018

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**May 29<sup>th</sup>, 2018**

08.30	<b>Registration – coffee</b>
09.00	<b>Introduction</b> Jacques Creteur (Brussels, Belgium)
09.05	<b>Metabolic response to stress</b>
09.25	<b>Metabolomics</b>
09.45	<b>Mitochondrial dysfunction</b>
10.05	Discussion
10.20	Break
10.40	<b>Bedside assessment</b> - Indirect calorimetry - Capnometry
11.40	<b>Nitrogen balance</b>
12.00	<b>Body composition</b>
12.20	<b>Critical illness-related nutritional deficiencies</b>
12.40	Discussion
12.55	Lunch

13.40	<b>Digestion and absorption of nutrients</b>
14.00	<b>Composition of standard nutritional formulas</b>
14.20	Discussion
14.30	<b>Enteral nutrition, feeds, delivery methods</b>
14.50	<b>Bolus feeding</b>
15.10	<b>Management of complications of enteral nutrition</b>
15.30	<b>Refeeding syndrome</b>
15.50	<b>Early parenteral nutrition?</b>
16.10	<b>Supplemental PN: when and for whom?</b>
16.30	Discussion
16.50	<b>Clinical case discussion #1 incl GI dysfunction</b>
17.30	<b>End of day 1</b>

## **May 30<sup>th</sup>, 2018**

08.30	<b>Assessment of protein turnover</b>
08.50	<b>Protein needs</b>
09.15	<b>Risk of excessive protein delivery</b>
09.30	<b>Muscle weakness</b>
09.50	<b>Combining nutrition and physical activity</b>
10.10	Discussion
10.25	<b>Break</b>
10.50	<b>Computer-assisted prescription : principles</b>
11.10	<b>Computer-assisted prescription : clinical application</b>
11.30	<b><i>Case discussion #2</i> Incl weakness/proteins</b>
12.30	<b>Lunch</b>
13.20	<b>Pharmaconutrition in the ICU: an overview</b>
13.40	<b>Vitamin D</b>
14.00	<b>Selected aminoacids</b>

14.20	<b>Outcomes to assess the efficacy of nutrition care</b>
14.50	Discussion
15.00	<b>ESPEN guidelines</b>
16.00	<b>Round table – Important messages</b> All the faculty
16.30	<b>Adjournment</b>