

5.0 credits

45.0 h

Teacher(s) :	Brichard Sonia (coordinator) ; Maiter Dominique ; Thissen Jean-Paul ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	<p>Section 1</p> <ol style="list-style-type: none"> <li>1. Fuel homeostasis</li> <li>2. Regulation of energy expenditure: role of uncoupling proteins</li> <li>3. Control of body weight and food intake in physiological and pathophysiological conditions</li> <li>4. Pharmacological regulation of body weight</li> </ol> <p>Section 2</p> <ol style="list-style-type: none"> <li>1. Anorexia nervosa, hypoglycaemia, type 1 diabetes, disorders of Ca metabolism, osteoporosis, endocrine hypertension and hypercorticism</li> <li>2. Insulin resistance and the metabolic syndrome X, endocrinology of malnutrition and catabolic states, hormonal and nutritional anabolic agents, alcohol, thyroid and nutrition</li> </ol>
Aims :	<p>The first section deals with physiological and pharmacological control of energy homeostasis. The aims of this section are</p> <ul style="list-style-type: none"> <li>" To understand the mechanisms those regulate body weight, appetite and food intake, and energy expenditure.</li> <li>" To characterize the deregulation of these mechanisms in some pathological conditions.</li> <li>" To tackle the pharmacological tools that are able to interfere with those mechanisms.</li> </ul> <p>The second section of this course deals with " Diseases of Nutrition and endocrine glands ". The aims of this section are to describe and discuss the relationships between nutritional disorders and functional abnormalities of the endocrine system.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Content :	<p>Content: to acquire the basic knowledge on the physiological, pathophysiological, pharmacological mechanisms that control body weight and on the relationships between nutritional disorders and the functional perturbations of the endocrine system.</p> <p>Methods: plenary lectures, personal preparation of scientific articles with oral presentation</p>
Other infos :	<p>Pré-requis :</p> <p>Basic knowledge in biochemistry and physiology</p> <p>Evaluation:</p> <p>Oral test</p> <p>Support:</p> <p>Written or electronic (e campus) supports</p>
Cycle and year of study :	<p><a href="#">&gt; Master [120] in Biomedicine</a></p> <p><a href="#">&gt; Master [240] in Medecine</a></p>
Faculty or entity in charge:	SBIM