

4.00 credits

30.0 h

Q1

Teacher(s)	Brichard Sonia (coordinator) ;Lanthier Nicolas ;Maiter Dominique ;Thissen Jean-Paul ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Section 1 1. Fuel homeostasis 2. Regulation of energy expenditure: role of uncoupling proteins 3. Control of body weight and food intake in physiological and pathophysiological conditions 4. Pharmacological regulation of body weight Section 2 1. Anorexia nervosa, hypoglycaemia, type 1 diabetes, disorders of Ca metabolism, osteoporosis, endocrine hypertension and hypercorticism 2. Insulin resistance and the metabolic syndrome X, endocrinology of malnutrition and catabolic states, hormonal and nutritional anabolic agents, alcohol, thyroid and nutrition
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>The first section deals with physiological and pharmacological control of energy homeostasis. The aims of this section are " To understand the mechanisms those regulate body weight, appetite and food intake, and energy expenditure. " To characterize the deregulation of these mechanisms in some pathological conditions. " To tackle the pharmacological tools that are able to interfere with those mechanisms. 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>
Content	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. Methods: plenary lectures, personal preparation of scientific articles with oral presentation
Other infos	Pré-requis : Basic knowledge in biochemistry and physiology Evaluation: Oral test Support: Written or electronic (e campus) supports
Faculty or entity in charge	FASB

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedicine	SBIM2M	4		