



4 credits

48.0 h

Q2

Teacher(s)	Brichard Bénédicte ;Doyen Chantal ;Eckhoudt Stéphane ;Havelange Violaine ;Hermans Cédric coordinator ;Latinne Dominique ;Straetmans Nicole ;Van Den Neste Eric ;Vekemans Marie-Christiane ;Vermeylen Christiane ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<p>The course is divided into two parts: one theoretical (1.5h) and one seminar (2h). The former will develop the physiopathology and pathology of the different nosological entities of haematopoietic tumours defined by the World Health Organization in 2008. Myeloid tumours (chronic myeloproliferative disorders, myelodysplastic syndromes and acute leukemias) and lymphoproliferative diseases (Hodgkin and Non-Hodgkin's lymphomas) will be illustrated by slides.</p> <p>The practical seminar will integrate clinical and biological notions detailed during the year but also represents an unique opportunity to analyse microscopically some frequent entities.</p>
Aims	<p>1 The hematology course intends to teach the important blood disorders occurring in children and in adults: the inborn and acquired diseases of the blood (the anemias, the neutropenias, the thrombocytopenias), the diseases of the lymph nodes, of the lymphocytes, and the acute and chronic leukemias. The rational use of transfusion of blood and its components. Thrombosis and hemostasis.</p> <p>-----</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>The course includes conventional teaching and seminars</p> <p>Adult hematology: the blood count - iron deficiency - vit B12 and folate deficiency - anemia of chronic disorders - bone marrow failure - myeloproliferative syndromes - lymphomas - lymph node biopsy splenomegaly - myelodysplastic syndromes - acquired and constitutional disorders of coagulation - thrombosis</p> <p>Pediatric hematology: nutritional anemias - constitutional hemolysis (spherocytosis, thalassemias, sickle cell anemia, enzymatic deficiencies) - acquired hemolytic anemias - basic coagulation tests - thrombocytopenia - acute leukemias</p> <p>Oncology: epidemiology of cancer and its causal factors - diagnosis and staging - therapeutic strategy - oncological emergencies - principles of radiation therapy - how to deal with cancer pain - the top five cancers in men and women - elements of psychosocial oncology</p> <p>Pathology: establish a link between clinical signs and symptoms and the gross and microscopic aspects of disease.</p>
Bibliography	Référence: WHO classification of tumours of haematopoietic and lymphoid tissues; IARC, Lyon, 2008.
Faculty or entity in charge	MED

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	SBIM2M	4		
Master [180] in Medecine	MD2M	4	WMDS2112	
Advanced Master in Clinical Biology	BICL2MC	4		