

# HEMATOPOIETIC SYSTEM DISEASES

1	Course Title:	HEMATOPOIETIC SYSTEM DISEASES
2	Course Code:	TIP3004
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	No
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Öğr.Gör. Tıp Fakültesi Öğrenci İşleri
15	Course Lecturers:	Prof. Dr. Rıdvan Ali, Prof. Dr. Fahir Özkalemkaş, Prof. Dr. Adalet Meral Güneş, Doç. Dr. Gökhan Göktalay, Doç. Dr. Vildan Özkocaman, Yrd. Doç. Dr. Hülya Ö. Nazlıoğlu, Doç. Dr. Birol Baytan
16	Contact information of the Course Coordinator:	baytanbirol@yahoo.com, Tel: 2950431 Uludağ Üniversitesi Tıp Fakültesi Çocuk Sağlığı ve Hastalıkları Anabilim Dalı, 16059
17	Website:	<a href="http://tip.uludag.edu.tr/akademikegitimprogramlari.php">http://tip.uludag.edu.tr/akademikegitimprogramlari.php</a>
18	Objective of the Course:	The aim of this course is teaching basic knowledge about hematological diseases to sixth grade students. The course aims to get students familiar with pathological symptoms of hematopoietic system, to teach clinical terminology related to hematopoietic system and to get students ready for clinical practice for hematology.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To comprehend the basic concepts related to hematopoietic system
	2	To comprehend what are the common hematological disorders in the community
	3	To identify significant changes in clinical and basic laboratory results in hematological disorder
	4	To understand the differences between children and adults in terms of hematological symptoms and disorders
	5	To adopt the principles of pharmacological treatment of hematological diseases
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21	Course Content:	

Course Content:				
Week	Theoretical	Practice		
1	Anamnesis and physical inspection in blood diseases, Hematopoiesis, biology of stem cell and diseases, Development of hematopoietic cells (in child)			
2	Pathology of bone marrow (2 hour) Pathology of lymph node (1 hour)			
3	Pathology of lymph node (1 hour) Approaching to patient with lymphadenomegaly Approaching to patient with splenomegaly			
4	Diagnostic approach to the causes of lymphadenopathy in childhood, Causes of splenomegaly and diagnostic approach in childhood, Pathology of spleen			
5	Hodkin's disease Non-hodkin lymphomas Approaching to patient with anemia			
6	Approach to children with anemia and			
Activites		Number	Duration (hour)	Total Work Load (hour)
7	Theoretical Iron deficiency anemia in adults Hypochochromic microcytic anemia and	14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		0	0.00	0.00
Homeworks		0	0.00	0.00
Projects common lab findings		0	0.00	0.00
Field Studies		0	0.00	0.00
9	Midterm exams Approaching to hemolytic anemia (in	1	18.00	18.00
Others		0	0.00	0.00
Final Exam	Approaching to hemoglobinopathies (in childhood)	1	30.00	30.00
Total Work Load				90.00
Total work load/ 30 hr				3.00
ECTS Credit of the Course				3.00
	diathesis, hemostasis screening tests Antianemia drugs Numerical and functional deficits of granulocytes and monocytes			
11	Disseminate intravascular coagulations and other acquired coagulopathies Differential diagnosis of thrombocytopenias, acute and chronic ITP Approaching to thrombocytopenic child			
12	Non thrombocytopenic purpura Monoclonal gammopathy Approaching to bone marrow failure in childhood			

<b>13</b>	Myelodysplastic syndromes Chronic myeloid leukemia and leucomoid reaction myeloproliferative disorders	
<b>14</b>	Hematopoietic growth factors CLL and other lymphoproliferative disorders Approaching to neutropenic children	

<b>22</b>	Textbooks, References and/or Other Materials:	1-Harrison's Principals of Internal Medicine, The McGraw-Hill Companies Inc., 17th edition, USA, 2008 2-Pediatric Hematology, Blackwell Publishing Ltd., USA, 2006 3-Goodman & Gilman's The Pharmacological Basis of Therapeutics, USA, 2010
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<b>23</b>	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00
Contribution of Final Exam to Success Grade		60.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		

<b>24</b>	<b>ECTS / WORK LOAD TABLE</b>
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<b>25</b>	<b>CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS</b>
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0
ÖK4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0

<b>LO: Learning Objectives</b>	<b>PQ: Program Qualifications</b>
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<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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