

HEMATOPOIETIC SYSTEM DISEASES

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| 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: | http://tip.uludag.edu.tr/akademikegitimprogramlari.php | |
| 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: | | |
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| Week | Theoretical | Practice |
| 1 | Anamnesis and physical inspection in blood diseases, Hematopesis, 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 differential diagnosis Neonatal anemia's and physiological anemia Nutritional anemias | |
| 7 | Iron deficiency anemia in adults Hypochoemic-microcytic anemia and differential diagnosis | |
| 8 | Aplastic and myelophthisic anemia Classification of hemolytic anemia and common lab findings Acquired hemolytic anemia | |
| 9 | Approaching to hemolytic anemia (in childhood) Approaching to hemoglobinopathies (in childhood) Approaching to coagulation disorders in childhood | |
| 10 | Management of patients with bleeding 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 | |

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| 13 | Myelodysplastic syndromes Chronic myeloid leukemia and leucomoid reaction myeloproliferative disorders | |
| 14 | Hematopoietic growth factors CLL and other lymphoproliferative disorders Approaching to neutropenic children | |
| 22 | 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 |
| 23 | Assesment | |
| 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 | | |
| 24 | ECTS / WORK LOAD TABLE | |

| Activites | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical | 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 | 0 | 0.00 | 0.00 |
| Field Studies | 0 | 0.00 | 0.00 |
| Midterm exams | 1 | 18.00 | 18.00 |
| Others | 0 | 0.00 | 0.00 |
| Final Exams | 1 | 30.00 | 30.00 |
| Total Work Load | | | 90.00 |
| Total work load/ 30 hr | | | 3.00 |
| ECTS Credit of the Course | | | 3.00 |

| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
|--|---|-----|-----|--------------|-----|-----|-----------------|-----|-----|---------------|------|------|--------------------|------|------|------|
| | 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 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |