

**ISTANBUL OKAN UNIVERSITY**

**FACULTY OF MEDICINE**

**MED422**

**PEDIATRIC HEALTH AND DISEASES**

**COURSE PROGRAM**

**LECTURERS**

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### **MED422 Pediatric Health and Diseases** **(10 credits)**

Aim of the Course

The purpose of this course is to gain information on the pediatrics and related issues. It provide basic knowledge and skills of pediatrics. The purpose of the pediatric clerkship is to provide the medical student with the knowledge and clinical experience necessary to develop basic skills in the evaluation and management of health and disease in infants, children and adolescents. The core pediatric clerkship is an introduction to the care of healthy children and emphasizes those aspects of pediatrics which should be understood and mastered by all physicians, regardless of ultimate career goals. *Prerequisites: MED301, MED302, MED303, MED304, MED305, MED306, MED307 and For foreign students; pass The Turkish Language Exam.*

Learning Objectives

At the end of this course the students will be able to:

* Demonstrate the ability to generate an age-appropriate differential diagnosis based on the interview and physical examination.
* Describe the components of a pediatric health supervision visit including health promotion and disease and injury prevention, the use of screening tools, and immunizations for newborns, infants, toddlers, school aged children, and adolescents.
* List the differential diagnosis for common symptoms or patient presentations such as abdominal pain, abnormal growth pattern, ALTE, respiratory distress, jaundice, vomiting, diarrhea, wheezing, and seizures.
* Describe the clinical features of common acute and chronic medical conditions such as asthma, anemia, atopic dermatitis, AD/HD, bronchiolitis, Kawasaki disease, cellulitis, cerebral palsy, child abuse, croup, dehydration, diabetes, strep pharyngitis, meningitis, epilepsy, urinary tract infection, osteomyelitis, gastroenteritis, gastroesophageal reflux, otitis media, viral URI.
* Demonstrate an ability to perform an age-appropriate history and physical examination in children of all ages.
* Interpret the results of common diagnostic tests with an emphasis on age related norms.
* Understand and possibly perform various basic procedures, such as: venipuncture, placement of intravenous catheterinsertion of urethral (Foley) catheterinsertion of nasogastric tuberemoval of surgical drains, placement of nasogastric tube

Course Content

1. Anemias, iron anemia

2. Infant nutrition and vitamin design

3. Routine vaccination practices-1

4. Routine vaccination practices-2

5. Fever in children

6. Acute otitis media

7. Acute respiratory infections

10. Urinary infections

11. Fluid and electrolyte balance

12. Lymphadenopathy

13. Assesment of pediatric ECG

14. Dysrhythmias

15. Cyanotic and acyanotic congenital heart diseases

17. Congestive heart

18. Acute rheumatoid arthritis

19. Myocarditis and cardiomyopathies

20. Primary immune deficiencies

22. Cystic fibrosis

23. Food allergies

24. Diabetic ketoacidosis

25. Acute asthma

26. Chronic asthma

27. Gastroesophageal reflux

28. Atopic dermatitis

29. Acute gastroenteritis and dehydration

30. Hemostasis

31. Hemoragic problems of the newborn

32. Factor defiencies

33. ITP, idiopathic thrombocytopenic purpura

34. Urticaria

35. Anaphylaxis

36. Childhood epilepsies

37. Childhood cansers (leukemias, lymphomas, Neuroblastoma, Willms tumor)

41. Neonatalogy

42. Neonatal sepsis

43. Preterm newborn

44. Birth traumas

45. Newborn jaundice

46. ​​Respiratory distress-RDS

47. Perinatal asphyxia

48. Disorders of amino acid metabolism

49. Disorders of carbohydrate/lipid metabolism

50. Hypothyroidism

51. Stunting

52. Cushing's syndrome

53. Addison's disease

54. Parathyroid gland diseases and vitamin D metabolism

55. Diabetes insipidus

56. Sex developmental disorders

57. Congenital adrenal hyperplasia

58. Rickets

59. Obesity

60. Diabetes mellitus

61. Tuberculosis and aseptic meningitis

62. Differential diagnosis of arthritis

63. Osteomyelitis/septic arthritis

64. SIRS-sepsis

65. HIV infection

66. Approach to rash diseases

67. Common parasitic diseases

68. Tuberculosis

69. Acute bacterial meningitis

70. Current infectious diseases (Crimean-Congo hemorrhagic fever)

71. Current infectious diseases (COVID-19)

72. Hypertension

73. Acute glomerulonephritis

74. Nephrotic syndrome

75. Acute renal failure

76. Vasculitides

77. Kawasaki disease

78. Hepatitis

79. Constipation

80. Chronic diarrhea and malabsorption

81. Wilson's disease

82. Febrile convulsion

83. Cerebral palsy

84. Chorea and athetosis

85. Hypotonic newborn

86. Muscle diseases

87. Demyelinating diseases

88. Child abuse

**COURSE INFORMATION**

Theoretical (hours) : 90 hours

Practical (hours) : 63 hours

Duration (days) : 28 days

Location : Okan University Hospital

**LEARNING METHODS**

Theroretical / Practical / Seminars/ / Case discussion / Problem based learning

Clinic visits / Patient assessment / Case investigations

Outpatient unit / Clinical observation

**ASSESSMENT**

* Clinical performance assessment
* Exam
* Verbal exam