

**ISTANBUL OKAN UNIVERSITY**

**FACULTY OF MEDICINE**

**MED425**

**EMERGENCY MEDICINE -1**

**COURSE PROGRAM**

**LECTURERS**

Assist. Prof. Dr. Ali Kaan Ataman

Assist. Prof. Dr. Özlem Bayrak Başakcı

**MED425 Emergency Medicine-1 (3 credits)**

Aim of the Course

The purpose of this course is to gain essential emergency medicine knowledge. Students should integrate the knowledge they have obtained in medical school so far to focus on evaluation and treatment of acute presentations. Students describe the importance of effective communication at all levels for patient care in the emergency department, and demonstrate effective communication skills. Students appreciate the clinical challenge of managing multiple patients simultaneously, each at different stages of evaluation and treatment. 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 student will be able to:

* Describe frequent medical presentations and their evaluation and treatment.
* Diagnose and treat frequently encountered surgical problems
* Perform basic and advanced cardiac life support
* Perform emergency surgical procedures like placement of thoracal tube, tracheotomy, lumbar punction, blood-gase analysis, and intubation.
* Applicate casting and bandages for common orthopedic problems
* Perform suturing of the wounds and their appropiate care

Course Content

•Shock

• Syncope

• Approach to Shortness of Breath

• Oxygenation methods

• Braindeath

• Sepsis

• Advanced cardiac life support

• Approach to headache in the emergency department

• Approach to the stroke in the emergency department

• Approach to the patient who had a seizure in the emergency department

• Introduction to toxicology

• Approach to abdominal pain in the emergency department

• Basic ECG

• Bradycardic rhythms

• ECG in acute coronary syndromes

• Differential diagnosis of ST elevation

• ECG in chest pain

• Right/Left bundle branch block

• Tachycardias

• Approach to the multiple trauma patient

• Approach to the patient with head trauma

• Approach to the patient with cervical trauma

• Approach to the patient with thoracic trauma

• Approach to the patient with abdominal trauma

• Approach to the patient with maxillofacial traumas

• Approach to to the Pediatric pediatric patient with Head trauma

**COURSE INFORMATION**

Theoretical : 24 saat

Practical : 24 saat

Duration : 14 days

Location : Okan University Hospital

**LEARNING METHODS**

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

Clinic visits / Patient assessment / Case investigations

Outpatient unit / Clinical observation / Practical Applications

**ASSESSMENT:**

* Clinical performance assessment
* Exam
* OSCE

**COURSE PROGRAM**

First week

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 09:00-09:45 | Internship Introduction  Whole Class  Dr.Ali Kaan ATAMAN/Dr.Özlem BAYRAK BASAKCİ | Emergency Service Visit  Group 1-2  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 1-2  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 4  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 1  Dr.Ali Kaan ATAMAN |
| 10:00-10:45 | Self Learning time | Emergency Service Visit  Group 1-2  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 1-2  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 4  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 1  Dr.Ali Kaan ATAMAN |
| 11:00-11:45 | Self Learning time | Emergency Service Visit  Group 3-4  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 3-4  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 5  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 2  Dr.Ali Kaan ATAMAN |
| 13:15-14:00 | Self Learning time | Emergency Service Visit  Group 3-4  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 3-4  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 5  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 2  Dr.Ali Kaan ATAMAN |
| 14:15-15:00 | Self Learning time | Emergency Service Visit  Group 5-6  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 5-6  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 6  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 3  Dr.Ali Kaan ATAMAN |
| 15:15-16:00 | Self Learning time | Emergency Service Visit  Group 5-6  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 5-6  Dr.Ali Kaan ATAMAN | Emergency Service Visit  Group 6  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Klinik Beceriler Lab.  Group 3  Dr.Ali Kaan ATAMAN |
| 16:15-17:00 | Self Learning time | Self Learning time | Self Learning time | Self Learning time | Self Learning time |
| Second week | | | | | |
| 09:00-09:45 | Emergency Service Visit  Group 3  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Clinical Skills Lab..  Group 6  Dr.Ali Kaan ATAMAN | ACLS Practice  Clinical Skills Lab..  Group 1-2  Dr.Özlem BAYRAK BASAKCİ | Practice and Case Exam  Clinical Skills Lab..  Group 6  Dr.Ali Kaan ATAMAN | Self Learning time |
| 10:00-10:45 | Emergency Service Visit  Group 3  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Clinical Skills Lab..  Group 6  Dr.Ali Kaan ATAMAN | ACLS Practice  Clinical Skills Lab..  Group 1-2  Dr.Özlem BAYRAK BASAKCİ | Practice and Case Exam  Clinical Skills Lab..  Group 5  Dr.Ali Kaan ATAMAN | Self Learning time |
| 11:00-11:45 | Emergency Service Visit  Group 2  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Clinical Skills Lab..  Group 5  Dr.Ali Kaan ATAMAN | ACLS Practice  Clinical Skills Lab..  Group 3-4  Dr.Özlem BAYRAK BASAKCİ | Practice and Case Exam  Clinical Skills Lab..  Group 4  Dr.Ali Kaan ATAMAN | Self Learning time |
| 13:15-14:00 | Emergency Service Visit  Group 2  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Clinical Skills Lab..  Group 5  Dr.Ali Kaan ATAMAN | ACLS Practice  Clinical Skills Lab..  Group 3-4  Dr.Özlem BAYRAK BASAKCİ | Practice and Case Exam  Group 3  Clinical Skills Lab..  Dr.Ali Kaan ATAMAN | THEORETICAL EXAM  Whole Class  Dr.Özlem BAYRAK BASAKCİ |
| 14:15-15:00 | Emergency Service Visit  Group 1  Dr.Özlem BAYRAK BASAKCİ | Advanced Airway Practice  Clinical Skills Lab..  Group 4  Dr.Ali Kaan ATAMAN | ACLS Practice  Clinical Skills Lab..  Group 5-6  Dr.Özlem BAYRAK BASAKCİ | Practice and Case Exam  Group 2  Clinical Skills Lab..  Dr.Ali Kaan ATAMAN | THEORETICAL EXAM  Whole Class  Dr.Özlem BAYRAK BASAKCİ |
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