

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

EMERGENCY MEDICINE

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
EMERGENCY MEDICINE	ISM5014222	Yearly	52+35	0	5
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Practice				
Course Coordinator	Prof.Dr. Bedia GÜLEN				
Name of Lecturer(s)	Prof.Dr. Oktay ERAY, Assoc.Prof. Suphi BAHADIRLI, Prof.Dr. Bedia GÜLEN, Lect.Dr. Serdar YAŞAR, Assist.Prof. Rıza GÜCAL				
Assistant(s)					
Aim	The aim of this clerkship is; to provide gaining knowledge and skills in acute and emergency prevention, diagnosis, treatment and management of undiagnosed, newly developing physical, mental illnesses or injuries.				
Course Content	This course contains; Triage ,Monitorizasyon-Vitaller ,Defibrilatör ,Chest Pain I,II,AKS ,Emergency Airway Management ,Rapid Sequential Intubation,Emergency Airway Management ,Rapid Sequential Intubation ,Elektrokardiyografi- I,II,Advanced Cardiac Life Support,Basic Life Support,Pediatric Cardiopulmonary Resuscitation I,II,Acute Abdominal Syndrome,IV-İO Yol Açma-II,I ,Distritmiler Taşikardi ,Distritmiler-Bradikardi ,Çoklu Travma ,Abdominal Trauma,Multiple Trauma ,Child Trauma ,Pregnant and Elderly Trauma ,Approach to the Dyspnea Patient,Allergy Anaphylaxis ,Consultation,Acute wound ,Basic Advanced Wound Care,Cold Injuries ,Thoracic Trauma,Altered Mental Status,Seizure Patient in the Emergency Department ,Approach to Dizziness,Animal Bites and Stings ,Electric and Lightning Strike ,Head Trauma ,Pelvis EXT Travması,Shock I,II,Disaster Medicine ,Approach to Intox Patient ,Imaging Techniques,Street Medicines ,Forensic Report Editing ,Co Intox ,Treatment -Prescription ,Parasetemol/Nsaid İntox ,Oncological Emergencies,Blood Gas ,Aggressive Patient in Emergency ,Acute Pain Method ,Alcohol Intox ,Hypoglycemia and hyperglycemia ,Emergency Medicines.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Learning-Teaching Methods in Courses and Applications in internship programIn the Emergency Medicine internship program, courses and applications, propedötic studies, service studies, per-patient trainings, consultations and discussions with faculty members and assistants (including assistants) and learning opportunities are provided. The teaching methods applied in the internship are briefly explained below.			10, 16, 6, 9	A, D	
1. Task Based: Clinical trials are performed and evaluated on the tasks that are guided by these guidelines and their level is determined.			3	C, D, H, J, M	
2. Patient Presentation: These are the sessions where students prepare the patients assigned to them during the ward studies and discuss them with the consultant and group friends.				H, J, K, L	
3. Clinicopathological Discussions: The differential diagnosis process and patient management on critical cases are discussed with the trainer in an environment where students come with prior preparation.				L	
4. Skills Training in a Real Clinical Environment: It is aimed to gain mastery of the skill by giving the student the opportunity to try the skills he/she has learned on mannequins, models or simulated patients in training laboratories in previous years on real patient or real material. In the real clinical environment, a special time can be allocated and education can be carried out in the form of students practicing in groups, as well as independent practice with the supervision of the students during independent working hours and arguing with the supervisor after the application.			5, 6	H, L, N, R	
5. Training in the Skills Laboratory: These are sessions where the student has the opportunity to perform procedures under educational supervision using real clinical material, not on the real patient due to ethical rules, but on the model, model or peer. The process steps of the skill to be learned are presented about the process by first reviewing the learning guide or watching a film about the process. After the instructor shows the process, each student gains skill competence by applying at least once.				H, R	
6. Applied Training: During the internship period, triage, resuscitation, intervention rooms, emergency care and critical care areas are carried out in real clinical environments. In addition, the approach to specific patient groups or basic complaint, diagnosis, differential diagnosis and treatment principles, specific examination and treatment methods, clinical applications, patient interviews and discussions with the educator are the sessions.				H	
7. Independent Learning in the Clinic: Independent learning hours are reserved in the program so that students can adequately use learning opportunities in the learning environments offered to them (library, computer, skill lab, etc.) or in clinical environments such as triage, resuscitation, intervention rooms, emergency care and critical care areas. The student is expected to use these hours for activities such as theoretical preparation in line with the competencies he/she must reach, filling out patient files, performing physical examinations, anamnesis or monitoring or performing various initiatives.			4	E	
8. Probleme Dayalı Öğrenme: Öğrencilerin aktif katılımıyla kendilerine sunulan vakayı semptomdan tanıya ve tedaviye gidecek şekilde değerlendirilerek çözümlenmesi beklenir			3, 4, 5	J, K, L	
9. Case Discussion: The approach to specific patient groups or application reports, diagnosis, differential diagnosis and treatment principles are discussed with students with one or more case reports. These case discussions are carried out at the beginning of the patient with real patient conditions to the extent possible. If this cannot be met, factual discussions are held.				L	
10. Narration: These are the courses in which theoretical knowledge is shared and discussed in order to compile the necessary information to reach internship qualifications and to be understood by the students.				C, D, M	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 3: Problem Baded Learning Model, 4: Inquiry-Based Learning, 5: Cooperative Learning, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam, C: Multiple-Choice Exam, D: Oral Exam, E: Homework, H: Performance Task, J: Peer Assessment Technique, K: Self Assessment Technique, L: Group Assessment Technique, M: Objective Structured Clinical Exam, N: Clinical Oriented Reasoning Examination, R: Simulation-Based Evaluation				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Triage				
2	Monitorizasyon-Vitaller				
3	Defibrilatör				
4	Chest Pain I,II				
5	AKS				
6	Emergency Airway Management				

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Sequenc e	Topics	Preliminary Preparation
7	Rapid Sequential Intubation	
8	Emergency Airway Management	
9	Rapid Sequential Intubation	
10	Elektrokardiyografi- I,II	
12	Advanced Cardiac Life Support	
13	Basic Life Support	
15	Pediatric Cardiopulmonary Resuscitation I,II	
16	Acute Abdominal Syndrome	
17	İV-İÖ Yol Açma-II,I	
18	Distritmiler Taşikardi	
19	Distritmiler-Bradikardi	
20	Çoklu Travma	
21	Abdominal Trauma	
22	Multiple Trauma	
23	Child Trauma	
24	Pregnant and Elderly Trauma	
27	Approach to the Dyspnea Patient	
28	Allergy Anaphylaxis	
29	Consultation	
30	Acute wound	
31	Basic Advanced Wound Care	
33	Cold Injuries	
34	Thoracic Trauma	
35	Altered Mental Status	
36	Seizure Patient in the Emergency Department	
37	Approach to Dizziness	
38	Animal Bites and Stings	
39	Electric and Lightning Strike	
40	Head Trauma	
41	Pelvis EXT Travması	
42	Shock I,II	
43	Disaster Medicine	
44	Approach to Intox Patient	
45	Imaging Techniques	
46	Street Medicines	
47	Forensic Report Editing	
47	Co İntox	
48	Treatment -Prescription	
49	Parasetemol/Nsaid İntox	
50	Oncological Emergenciesi	
51	Blood Gas	
52	Aggressive Patient in Emergency	
53	Acute Pain Method	
54	Alcohol Intox	
55	Hypoglycemia and hyperglycemia	
56	Emergency Medicines	
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources

1. Öğretim üyeleri ders notları
2. Emedicine.medscape.com
3. UptoDate
4. FOAMED (Free Open Access Meducation – Medical educatio), erişim <https://lifeinthefastlane.com/foam/>
5. Acilci.net
6. Acil Tıp Dergileri (Annals of Emergency Medicine, American Journal of Emergency Medicine, European Journal of Emergency Medicine, Turkish Journal of Emergency Medicine, Anatolian Journal of Emergency Medicine, Eurasian Journal of Emergency Medicine, Travma ve Acil Cerrahi Dergisi)
7. ACEP Policies
8. EMRA-Emergency Medicine Residents' (and Students') Association. Erişim www.emra.org
9. www.tatd.org.tr
10. www.atuder.org.tr
11. Tintinalli JE, Stapczynski J, Ma O, Yealy DM, Meckler GD, Cline DM. eds. Tintinalli's Emergency Medicine: A Comprehensive Study Guide 9th edition.
12. David M. CLINE, O. John MA, Rita K. CYDULKA, Garth D. MECKLER, Daniel A. HANDEL, Stephen H. THOMAS, Tintinalli Acil Tıp El Kitabı Çeviri Editör: M.Mahir ÖZMEN.Güneş Kitabevi, ISBN: 9789752774551
13. Rosen's emergency medicine : concepts and clinical practice / [edited by] Ron M. Walls, Robert S. Hockberger, Marianne Gausche-Hill. Ninth edition. | Philadelphia, PA : Elsevier, [2018]
14. Eric F. Reichman, ed. Emergency Medicine Procedures.
15. James R.Roberts. Roberts and Hedges' Clincinal Procedures in Emergency Medicine.
16. Robert S.Hoffman, Mary Ann Howland, Neal A.Lewin, Lewis S. Nelson, Lewis R. Goldfrank ed. Goldfrank's Toxicologic Emergencies