

### BASIC INFORMATION:

\*\*\* This elective is not offered through out the year. Please contact the director before choosing this elective.

Duration of the elective: 1 month

Number of students: Max 5 Students for opening

Prerequisites: None

Location(s): Koc University Hospital

### CONTACT INFORMATION:

Elective Director: Can Aktaş

Elective Faculty: Can Aktaş, Ulufer Sivrikaya, Evren Şentürk, Gökhan Gönenli, Eda Ars, Yusuf Koksall, İlker Eren, Elif Degirmenci, Altuğ Kanbakan, Cantürk Emir, Aslı Bahar Uçar , Arda Çınarlık

Other specific contacts: Metin Altun

### BRIEF DESCRIPTION OF STUDENT ACTIVITIES:

Dear Students,

The scope of emergency medicine is extremely broad; it covers the care of the neonate through the geriatric, surgical, and medical patients and encompasses all organ systems. Emergency Medicine is rapidly evolving to reflect our increasing experience, knowledge and research. Procedural skills must supplement our cognitive skills. Achieving proficiency in procedural skills is essential for the daily practice of Emergency Medicine.

We prepared essential procedures in emergency medicine elective program. This program will be held twice a year and will take 4 weeks and a maximum of 5 students will be accepted. Group II can do their MELC 503. Group I can do their MELC 505. Program instructors are Can Aktaş, Ulüfer Sivrikaya, Evren Şentürk, Gökhan Gönenli, Eda Ars, Yusuf Koksall, İlker Eren.

The primary of this program is to provide a detailed, step-by-step approach to procedures performed in the Emergency Department. The objectives for each procedure include learning the indications, contraindications, equipment, technique, complications, sites, post procedure follow up and pearls needed to perform the procedures competently. The list of procedures covered in the curriculum is as follows:

Basic Life Support

Basic ECG learning and examples

Airway Management

Advanced cardiac life support

Vascular procedure such as iv line, arterial puncture

Blood Gas Analysis

Nasogastric tube placement

Gastric lavage

Uretral catheterization (male and female)

Basic wound closure techniques

Advanced wound closure techniques

Subcutaneous foreign body removal

Fishhook Removal

Ring Removal

Trauma Patients management (prehospital and hospital)

Extremity traumas casts and splints

Forensic cases in trauma

Patient safety course

Emergency Case Discussions (Every Friday)

Program chart was listed below.

## ESSENTIAL PROCEDURES IN EMERGENCY MEDICINE ELECTIVE PROGRAM

### 1. WEEK PROGRAM

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>09:00-09:30</b>	<b>09:00-10:00</b>	<b>09:00-12:00</b>	<b>09:00-10:00</b>	<b>09:00-11:00</b>
Wellcome	Airway Management (teoric)	Basic ECG (Teoric)	Advanced Cardiac Life Support (Teoric)	Emergency Case Discussion
<b>09:30-10:30</b>	<b>10:00-12:00</b>	<b>13:30-15:00</b>	<b>10:00-12:00</b>	
BLS (Teoric)	Airway Management (Pratic)	ECG Samples	ACLS (Practical)	
<b>10:30-13:00</b>	<b>12:00-12:30</b>		<b>13:30-15:00</b>	
BLS (Prcatical)	DEBRIEFING		ACLS (Practical)	
<b>13:30-14:30</b>			<b>15:00-15:30</b>	
Choking Interventions for adult			DEBRIEFING	
<b>14:30-15:00</b>				
DEBRIEFING				

### 2.WEEK PROGRAM

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>09:00-10:00</b>	<b>09:00-12:30</b>	<b>09:00-12:30</b>	<b>09:00-13:00</b>	<b>09:00-11:00</b>
Vascular procedures teoric	Nasogastric tube placement	Basic wound closure techniques	Emergency Room Group I	Emergency Case Discussion
<b>10-00-12:30 Pratik</b>	Gastric lavage	<b>13:30-17:00</b>	<b>13:00-17:00</b>	
IV line	Uretral catheterization (male and female)	Advanced wound closure techniques	Emergeny Room Group II	
Venopuncture		Subcutaneos foreing body removal		
Arterial puncture		Fishhook Removal		
Intraosseos line		Ring Removal		
<b>13:30-15:00</b>				
Blood Gas Analysis				

### 3. WEEK PROGRAM

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>09:00-12:30</b>	<b>09:00-12:30</b>	<b>09:00-12:30</b>	<b>09:00-13:00</b>	<b>09:00-12:00</b>
Prehospital trauma patients management	Multiple Trauma Patients Management	Extremity traumas casts and splints	Forensic cases in trauma	Emergency Case Discussion
Patient handling techniques	<b>13:30-17:00</b>			
C-Spine Collor Application Color	Trauma management with cases			
Back board application				
KED vest application				
Pelvic stabilization				

#### 4.WEEK PROGRAM

<b>MONDAY</b>	<b>TUESDAY</b>	<b>WEDNESDAY</b>	<b>THURSDAY</b>	<b>FRIDAY</b>
<b>09:00-13:00</b>	<b>09:00-13:00</b>	<b>09:00-13:00</b>	<b>09:00-13:00</b>	<b>09:00-12:00</b>
Patient safety	ABCDE Aproach	Infection prevention and control	Emergency Room Group I	Emergency Case Discussion
Effective team player	<b>13:30-17:00</b>	Patient safety and invasive procedures	<b>13:00-17:00</b>	<b>12:00-13:00</b>
<b>13:30-17:00</b>	Patient Safety Regulations and Legislations	<b>13:30-17:00</b>	Emergency Room Group II	Feedback Meeting
Speak Up Workup		Improving Medication Safety		