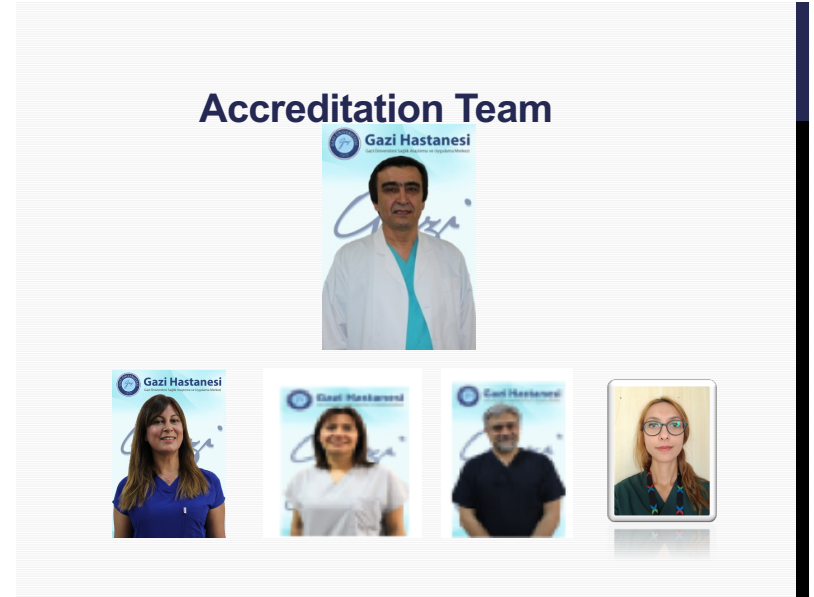




## HOSPITAL VISITING AND TRAINING ACCREDITATION PROGRAMME

### APPLICATION FORM



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## 1. About the University

Gazi University receives its name from the founder of Turkish Republic Gazi Mustafa Kemal Atatürk. Graduate and Postgraduate Education in Gazi University is provided in 20 faculties, 7 institutes and 9 Colleges (4 main and 5 vocational) in addition to 51 research centers.

There are currently 1919 faculty members (963 professors, 638 associate professors and 318 assistant professors) and 1801 other teaching staff contributing to the education for 2775 graduate students and 525 postgraduate research fellows/assistants in the main campus of Gazi University. The overall number of students in institutes and colleges are 71595. In this regard Gazi University has the highest student capacity in the country.

Based on the research facilities, performance and objectives graded by 100 parameters in 3 evaluation steps, Gazi University has become one of the research universities among top ten Universities in Turkey on September 26th of 2017.

Most recently Gazi University Faculty of Medicine Department of Pediatric Metabolism has received PHASE 1 Clinical Research Center Compliance Certificate for Pharmaceutical Research on January 5, 2018. Therefore, it has become the first clinical research center in Ankara. The Pediatric Metabolism Clinic, also, undertakes and currently has collaborative ongoing research projects with the Department of Anesthesiology and Reanimation.

The university is committed to increasing the standards and to, ultimately, reach a globally competitive levels. One of the main objectives in education is to raise a hard working young generation who love their profession, nation, humanity and ethics. Further we aim to encourage and motivate great minds to express their innovative and analytical talents and knowledge in research, as well as, inspire those students to contribute to science. Therefore, our university's motto is that being Gazi alumni is a privilege.

## 2. About the Faculty of Medicine and the Hospital

Gazi University Faculty of Medicine was founded as part of Ankara School of Financial and Commercial Sciences on October 2, 1979 pursuant to an agreement with the Turkish Traffic Accidents Aid Foundation managed by the Ministry of Social Aid. In accordance with law number 20695 article 3, Dr. Muhittin Ulker Emergency and Traumatology Hospital became the medical faculty's hospital. Then, Gazi University Faculty of Medicine started teaching medical students at its own hospital, named Gazi University Hospital. Gazi University Faculty of Medicine honors its first graduates in June 1985.

Because of insufficient resources and physical conditions, external credit opportunities were sought. The European Union Social Development Fund and the Turkish-French Joint Economic Commission Fund provided funding for the financing hospital needs, i.e. campus facilities and all medical equipment required for medical care and education, in 1990s.

Finally, the Gazi University Hospital facility, with approximately 900 beds, laboratories and imaging units, were completed in 1997.

After signing an agreement with Turkish Quality Standards Institute (TQSI), all the required tasks to meet the standards of TS-EN-ISO 9001 Quality Assurance System were initiated in 1997 and successfully completed in March 1998 with the active participation and the support of all the faculty/staff/personal. The documentation enquiries by the TQSI Gazi Hospital was entitled to have TS-EN-ISO 9001 Quality Assurance System Certification which is still valid since May 29, 1998. We are very pleased and proud to be the first public University Hospital to have a TS-EN-ISO 9001 Quality Assurance System Certificate.

New Emergency Unit and required hospital facilities with recreation areas for patients and students were added in the campus area of Faculty of Medicine. There are canteens with a capacity of 284 visitors, reading area with a capacity of 174, internet center with a capacity of 30, chess saloon and a photocopy center. There are, also, rooms for teaching clinical skills to support teaching the practice of clinical skills and problem based learning (PBL) discussions. As of today, total number of faculty are 394 at the Gazi University Faculty of Medicine:

- 273 professors
- 82 associate professors
- 9 assistant professors
- 30 academic attending staff
- Additionally, 7 attending staff and 582 trainees (including research fellows)

Total number of medical students are 2834. All the faculty members are responsible for the education of 2107 and 727 students having Turkish and English curriculum in medicine, respectively.

- 2107 students in Turkish curriculum in medicine
- 727 students in English curriculum in medicine

Currently, total bed capacity of our hospital is 1007 including all intensive care units (ICUs):

- 16 beds for Newborn Intensive Care Unit (NICU) as tertiary care
- 7 beds for Pediatric ICU
- 6 beds for General Surgery ICU
- 12 beds for Anesthesiology Critical Care
- 9 beds for Neurosurgery ICU
- 7 beds for Pulmonary Disease ICU
- 9 beds for Internal Medicine ICU

- 4 beds for Hematology ICU
- 15 beds for Coronary Care Unit (CCU)
  - 9 beds (for Secondary care)
  - 6 beds (for primary care)
- 12 beds for Cardiovascular and Thoracic ICU
- 7 beds for Neurology ICU

All the wards in the hospital including operating rooms/delivery-labor rooms have medical gas systems. The structure is fully equipped with fire alarms and fire extinguishing systems.

**Imaging Facilities and New Technologies:**

There are 6 X-ray rooms (3 of them located at the Radiology department, 2 of them located on the outpatient facility and 1 of them is located within the emergency department).

Additionally, there are 9 portable x-ray machines in the hospital and one of them is kept available at all times.

There are 3 Computed Tomography (CT) machines (2 of them located at the Radiology department and 1 of them located at the outpatient facility).

There are 3 Magnetic Resonance Imaging (MRI) machines having 1.5 and 3 tesla powers (1.5 tesla at the Radiology department, 3 tesla at the outpatient facility and the latest one having 3 tesla is nearby central OR for intraoperative use with MRI compatible anesthesia machine.

Moreover, the 1st MRI compatible anesthesia machines with proper MRI compatible anesthesia equipment and monitors has been in use since 1997).

There are 7 rooms equipped with ultrasound devices (5 rooms are located at the Radiology Department, while 2 rooms are located at the outpatient facility). One anesthesia machine is also available in one of the ultrasound rooms for interventional procedures. Additionally, 1 ultrasound is kept in the interventional angiography unit at all times.

4 SPECT (Gamma cameras), 1 PET- CT and 1 PET –MRI (located at the Department of Nuclear Medicine)

The hospital is fully equipped with the computer system program called Enlil to provide on line access to medical records, laboratory results, images, consultation reports and history of all the previously admitted patients and new onset admissions. Desktop computers are available in every operating room and secretary and even in all PCs of the faculty/staf/personel.

The hospital contains an employee security unit.

Gazi University Faculty of Medicine obtained nationally accredited medical education program for Turkish Curriculum status last year and thus has become one of the seven faculties of such privilege in the country. The English Curriculum of the faculty, has also been recently accredited and the confirmation such status is awaited.

### 3. About the Structure of the Department of Anesthesiology and Reanimation

The Department of Anesthesiology and Reanimation has currently 18 faculty, including 3 attending staff and 20 trainees in two subdivisions as Algology and Anesthesiology ICU. The department has been accredited by The Turkish Society of Anesthesiology and Reanimation in 2017. Prof.Ömer Kurtipek is head of the department and the president-elect of the Turkish Society of Anesthesiology and Reanimation. He will be taking over the presidency on 25 March, 2018.

Department of Anesthesiology offers service for all kind surgeries such as;

#### Type of Surgeries

- General Surgery, Transplantation Surgery (liver, renal)
- Pediatric and Neonatal Surgery
- Ear-Nose-Throat (ENT) - Head and Neck Surgery
- Neurosurgery
- Cardiovascular Surgery
- Thoracic Surgery
- Obstetric and Gynecologic Surgery
- Trauma and Orthopedic Surgery
- Aesthetic, Plastic and Reconstructive Surgery
- Ophthalmic (eye) Surgery
- Urologic Surgery

Anesthesia (general or regional) service is provided by 18 faculty and 20 trainee anesthesiologists with actively working 45 anesthesia technicians, 43 surgery nurses and 35 supporting personal.

Annually more than 50000 operations where one third of them include major surgeries are performed in total number of 28 operating rooms (OR), where 23 of them are regarded as central OR.

#### 23 central operating rooms (3rd floor in Block D):

- 3 for general and transplantation (liver and renal) surgeries
- 3 for neurosurgery
- 1 for pediatric surgery
- 2 for aesthetic, plastic and reconstructive surgery
- 2 for eye (ophthalmic) surgery
- 2 for ENT surgery
- 4 for trauma and orthopedic surgery
- 2 for urologic surgery
- 1 for robotic surgery
- 2 for gynecologic surgery
- 1 for surgical emergencies

#### 5 remote operating rooms:

- 2 for obstetric surgery in addition the 3 labor & delivery rooms (9th floor in Block C)
- 3 for cardiovascular and thoracic surgeries (2nd floor in Block B)

Six preoperative rooms in the central OR is fully equipped with anesthesia machines and standard monitors. One of them is dedicated for performing ultrasound guided upper or lower extremity peripheral blocks for orthopedic surgery.

### **Anesthesia facility for outside the operating theatre**

We also provide anesthesia for interventions performed outside the operating theatre.

- Radiation Oncology
- Interventional Radiology – Embolization
- Angiography – DSA (Digital Subtraction Angiography)
- Nuclear Medicine – PET (Positron Emission Tomography) MRI/CT
- Pediatric Endoscopy and Bronchoscopy
- Endoscopy (mostly for adults)
- Pediatric Catheterization Laboratory
- CT and MRI for pediatrics
- ECT (Electroconvulsive Therapy)
- ESWL (Extracorporeal shock wave lithotripsy)
- Gamma knife
- Assisted Reproductive Technologies -Oocyte Pick Up for IVF (In vitro Fertilization)

Anesthesiology trainees is also a team member of blue code system. In case of any emergencies such as cardiac arrest, or unsuccessful intubation attempt etc. paging 2222 activates blue code system within the hospital. Thus, the trainee who has the pager immediately reaches the emergency area.

### **Diagnostic Monitoring Technologies**

- 1 ECHO (in the Cardiovascular Surgery OR)
- 1 Ultrasound (in the Central OR)
- 1 Non-Invasive Cardiac Output (NICO ) Monitor (in the Cardiovascular Surgery OR)

- 2 Invasive Cardiac Output Monitors
- 1 Pleth Variability Index Monitor
- 1 NIRS (in the Neurosurgery OR)
- 7 BIS (in the Neurosurgery OR)
  - 4 of them attached to anesthesia machines (GE and Drager)
  - 3 of them are portable
- 3 TCI (in the Neurosurgery OR)
- 5 TOF (in the Neurosurgery OR)
  - 2 of them attached to anesthesia machine (GE)
  - 3 of them are portable
- Difficult airway trolley which is available in the central OR contains video laryngoscope, video airway endoscope, gum elastic bougie, stylet, fiberoptic bronchoscope, Miller blade, and McCoy laryngoscopes, LMA C-trach and other difficult airway equipment (tubes, airways, supraglottic LMAs etc)
  - Totally, there are 3 video laryngoscopes (1 in the difficult airway trolley, 1 in the central OR and 1 in the obstetric floor)
  - Gum elastic bougie and stylets are available in all operating rooms

### **Pre-anesthesia Evaluation Unit**

The unit is located on the -1st floor of our hospital and has two rooms for serving two patients at a time. Two anesthesiology trainees are in charge and work under the supervision of faculty/attending staff responsible from the related surgical branch. Preoperative evaluation is made according to updated guideline in 2015 by Turkish Society of Anesthesiology & Reanimation in 2015 which is available at <http://www.tard.org.tr/akademi/?p=kilavuz-detay&bID=2&session=11455212706730-22910425413460>.

## Pre-anesthesia, Recovery and Post-Anesthesia Care Units

Pre-anesthesia care unit (PACU) is located at the entrance of the operating theatre. The unit has a dedicated nurse/anesthesia technician for pre-operative care of children.

All patients are transferred to the recovery room after the completion of surgery. Central recovery room unit, which is located inside the central OR is equipped with 10 standard monitoring systems and oxygen supplies in addition to 1 anesthesia machine, 1 defibrillator and 1 ECG recording device. There are 2 additional beds for children. Total number of nurses work in recovery units is eighth where 3 of them work during office hours in the central recovery unit. There is also 1 recovery unit having 1 nurse in charge of postoperative care of obstetric patients nearby obstetrics operating rooms at the 9th floor in D Block. That recovery unit has 2 standard monitoring systems and oxygen supplies and biphasic 1 defibrillator.

All postoperative patients are kept in the recovery unit at least 15 minutes to check vitals and evaluate the awakens after general anesthesia by the specialized recovery nurses. If the patients are fully awake and hemodynamically stable, they are sent to the ward with the approval of the own anesthesiologist of the patient. If there is any need for further follow up, surgeon and anesthesiologist collaboratively may decide to keep the patient either in PACU or ICU.

The PACU which is located on the 5th floor nearby ICU of Anesthesiology has 2 rooms separated by a glass sliding door from ICU and these rooms are fully equipped with standard monitoring systems and oxygen supplies. Emergency trolley, difficult airway cart, defibrillator, medications, fluid/blood warmer devices and patient heating systems are available.

## Records

Anesthesia follow up forms include pre-operative, peroperative and post-operative information. Original form contains patient ID, age, weight, type of surgery, type of anesthesia, drugs and fluids used, hemodynamic condition, physical changes, postoperative acute pain management strategy and etc. is attached (Figure 1).

PREOPERATİF DEĞERLENDİRME		REJYONEL ANESTEZİ	
Adı Soyadı : / Yaş : Cinsiyeti : Ağırlık / Boy : / Kan Grubu : ASA : I II III IV V VI A. Tıbbi Hastanması Cipi: ÖZGEÇMİŞ ve FİZİK MUAYENE Hastanın anestezisi geçmişi: Aloji: Bağışıklık : Alerji / Sigara / Diğer Diğer : Tam / Eksik / Protez (total / sabit) Lens : [ / / ] Kullandığı ilaçlar: Kardiyovasküler Sistem o KB : / mmHg KAR : /dk o Egzersiz toleransı: ...kat merdiven çıkabiliyor o ERG: o Hipertansiyon o Ağınca/Koronar arter hastalığı/Miyokard infarktüsü o Konjestif kalp yetmezliği o Normal/Diğer Solunum Sistemi o PAAKÖS: o KOAH o Yeni geçirilmiş ÜSYE Nörolojik Sistem o Uykü apnesi o Uyukluk, güçsüzlük o Normal/Diğer o Normal/Diğer Karaciğer o Hepati öyküsü Hematolojik Sistem o Silve o Anemi o Normal/Diğer o Koagülasyon Gastrointestinal Sistem o Gastrointestinal reflü o Normal/Diğer o Bağırsak obstrüksiyonu o Skolyoz/Lordoz o Normal/Diğer o Kas hastalığı Bilbeck o Bilbeck yetmezliği o Normal/Diğer o Hemodiyaliz/renalen diyaliz o Diyaliz o Son diyaliz zamanı: o Eritoid Hipo - Hiper o Normal/Diğer o Normal/Diğer Havayoluunun Değerlendirilmesi SALLAMAĞI Tiroental mesafe: <input type="checkbox"/> > 6cm ...cm Süpermental mesafe: <input type="checkbox"/> > 12 cm ...cm Boyun ve çene hareketi : Boynunda ek paraseti: Diğer: LABORATUVAR Hb / Htc: BIC BUN / Kreat FT: aFTT: INR Trombosit: KZ: Sb: K: Ca AKS: ASL: ALI: HbaAg: AmilID: AmilHCV: AmilHY: Açlık şeker: .....sant Gebelik Durumu : ..... hf Premedikasyon: Konsültasyon : Anestezik Doktor : Tarih : İmzası : Hastanın / Velininin Onayı : Uygulanacak anestezik alarmanları, riskleri, dış karışımından kaçınılması tehlike oluşturabilecek komplikasyonlar başa alınmış. Bu şartlar altında anestezi almayı/oculurunu anestezi alınması kabul ediyorum. Adı, Soyadı : İmzası :		Tık Düz Spinal / KSA / KSEA Epiöral: T/ L / Kaudal Hasta Pozisyonu: Oturur Yan Prone Jack-knife İğne İp/No: Girişim seviyesi: Kater: Var / Yok Aralıkta: ...cm Maksimal blok seviyesi: İBRA, Periferik Blok Sağ / Sol Cüt ekstremita Ak ekstremita Saat Lokal Anestezik %s Yöntem et Uygulayan: Komplikasyon: İNVAZİF GİRİŞİMLER Sutural Venöz Kater: Sağ / Sol İnternal juguler / Subklavyen / Bazilik / Femoral Diğer Uygulayan: Arteriyel Kateter: Sağ / Sol Radial / Femoral / Dorsalis pedis / Brakiyal Diğer Uygulayan: Komplikasyon: POSTOPERATİF ANALJEZİ Pneumotik / an - diğer: İnfiltrasyon: Epidural / Spinal / Periferik Bloke PCA iv PCA Açıklama: POSTOPERATİF TAKİP Aydına Ünitesine Göre/Çıkış : saat Yan Etki ve Komplikasyonlar : Hipotaki, Bulantı, Kusma, Çiğme, Titreme, Ağrı, Hipotansiyon, Hipertansiyon, Diğer Uygulanan İlaç ve Miktarları İlaç DOZ İv İm 1 2 3 4 5 Hemşire : Doktor :	





### 3.1. Intensive Care Unit (ICU) of Anesthesiology

#### History

A six-bed capacity ICU was founded in 1996 as Anesthesiology Reanimation Unit. Since then, the unit has been improved to become the Anesthesiology ICU / Critical Care unit. Nowadays, comprehensive critical care services is being provided for over 300 patients each year in the 12-bed capacity facility with a 1:2 or 1:3 nurse patient ratio.

#### ICU Service

There are currently 18 nurses and 11 personal in the unit which is fully equipped to manage almost all medical emergencies. The ICU unit team provides dedicated, continuous care to critically ill. Areas of service include mainly management of shock, cardiopulmonary resuscitation, respiratory failure, sepsis, multisystem organ failure and trauma in patients with or without cardiac failure, organ transplantation, general surgical and neurosurgical patient care. Occasionally, postoperative care of surgical patients are performed. Distribution of critical patients in 2017 is presented in table 1 and figure 3.

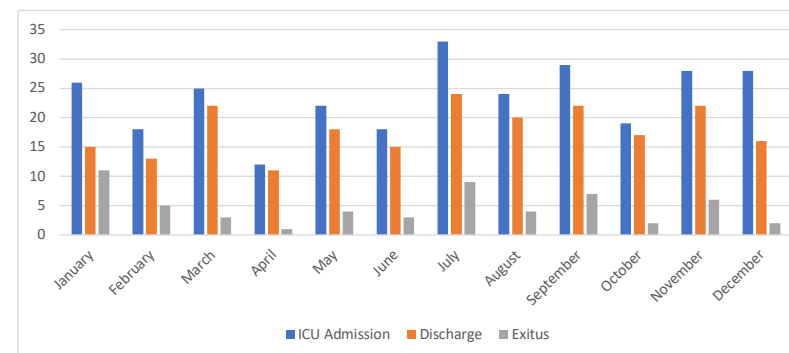
#### Academic staff and education

One faculty member, Prof. Lale Karabiyik, who is currently Chair of ICU, 1 anesthesiologist attending staff, 1 ICU fellow and two anesthesiology trainees provide medical service to patients during working hours. Night shift team include 1 ICU fellow and 1 anesthesiology trainee who are supervised by the faculty member and/or attending intensivist on call.

Distribution of critical patients are shown is table 1 and figure 3.

**Table 1.** Distribution of Critical Patients in 2017

Months	ICU Admission (n)	Discharge (n)	Exitus (n)
January	26	15	11
February	18	13	5
March	25	22	3
April	12	11	1
May	22	18	4
June	18	15	3
July	33	24	9
August	24	20	4
September	29	22	7
October	19	17	2
November	28	22	6
December	28	26	2
<b>Total</b>	<b>282</b>	<b>215</b>	<b>57</b>
		<i>10 continuing admission)</i>	



**Figure 3.** Distribution of critical patients in 2017.

### 3.2. Algology Department

#### History

The Algology Department was founded in 2002. It has 2 examination rooms and a large theatre to perform minor interventional procedures under monitorized anesthesia care (MAC) using analgesia and/or sedation in addition to interventional procedures under fluoroscopy and minor surgical interventions such as implantation of epidural/spinal port, pump and spinal cord stimulation are performed in the operation theatre on scheduled days of the week in the central OR.

#### Academic staff and education

Prof. Avni Babacan has been the chairman of Algology since 2002. Totally, there are 3 academic faculty members (professors) responsible for education and patient care. Currently, there are 2 fellows and 1 anesthesiology trainee. The fellows are either certified anesthesiologist, neurologist or physical treatment and rehabilitation specialists. They have diploma of Anesthesiology, Neurology, Psychiatry, Physical Treatment and Rehabilitation or Algology Board. During internal rotation of anesthesiology trainees for a period of 2-month examination of patients on outpatient basis, administration of medications and participation in planning and observing interventional procedures under either fluoroscopy or ultrasonography in addition to treatment and follow-up of chronic pain are taught. Trainees are encouraged to attend to most of the local algology meetings and courses during their internal rotation period.

#### Algology Service

Mainly treatment of acute pain in different settings both in adults and children by organizing multimodal analgesia and follow up chronic pain patients are offered on outpatient basis. Cancer pain and acute zona zoster patients are admitted for treatment in the first place. In spite of this, ozone therapy is one of the frequently used popular treatments.

Although there is no inpatient service, virtually 2 beds are reserved by the Gazi University Hospital Directory for emergencies requiring hospitalization. Outpatients are told to call designated emergency telephone numbers of faculty in case of emergency situations regarding their treatment.

Minimum 4-bed capacity inpatient facility and a multidisciplinary palliative care unit are in future plans.

Outpatients /year: **20000** (recurrent treatments included).

New outpatients / year: **5000**

Number of interventional treatments under fluoroscopy: **18 /week**

Number of interventional treatments without fluoroscopy: **70//week**

Admissions and procedures done by the department in 2017 are shown in table 2.

**Table 2.** Admissions and procedures in 2017.

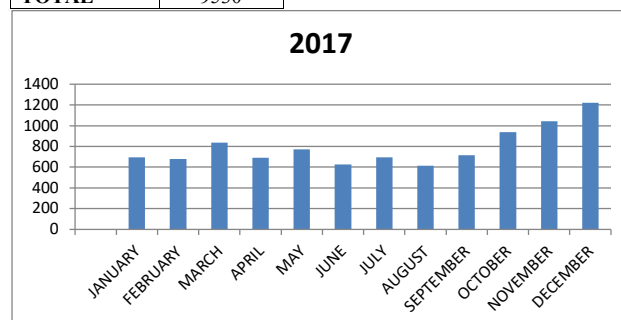
<b>Total Admissions (n)</b>	10911 (including readmissions)
<b>Invasive procedures under fluoroscopy (n)</b>	415
<b>Other interventional procedures (n)</b>	3000
<b>Trigger point injection (n)</b>	1610
<b>Great occipital nerve (GON) block (n)</b>	740
<b>Maxillary mandibular nerve block (n)</b>	70
<b>Popliteal nerve block (n)</b>	3
<b>Spinal cord stimulator implantation (n)</b>	4

#### 4. Clinical Data of Anesthesia Practices in 2017

Preanesthetic evaluation performed by trainees/attending staff on outpatient basis was documented in table 3. Inpatient evaluations/consultations by the faculty were not included.

**Table 3.** Preanesthetic evaluation data in 2017.

	Number
<b>JANUARY</b>	696
<b>FEBRUARY</b>	680
<b>MARCH</b>	838
<b>APRIL</b>	691
<b>MAY</b>	773
<b>JUNE</b>	628
<b>JULY</b>	693
<b>AUGUST</b>	616
<b>SEPTEMBER</b>	716
<b>OCTOBER</b>	937
<b>NOVEMBER</b>	1043
<b>DECEMBER</b>	1219
<b>TOTAL</b>	9530



**Figure 4.** Preanesthetic evaluation data in 2017.

Total operation number is 51194 in 2017 where 14910 of them were performed under local anesthesia in various surgical departments. Remaining 33079 operations were performed under general (n=33079) and regional anesthesia (n=3205) as either neuraxial (n=2820) or peripheral blocks (n=385) excluding pediatric caudal blocks (n=518). All data including anesthesia outside the OR are presented (Tables 4 -10).

**Table 4.** All operations including surgeries performed under local anesthesia\* in 2017.

	NEUROSURGERY	TRANSPLANTATION SURGERY	GENERAL SURGERY	THORACIC SURGERY	EYE SURGERY	EAR NOSE THROAT (ENT) SURGERY	GYNECOLOGIC & OBSTETRIC SURGERY	CARDIOVASCULAR SURGERY	TRAUMA & ORTOPEDIC SURGERY	ESTHETIC & RECONSTRUCTIVE SURGERY	UROLOGY	PEDIATRIC SURGERY	TOTAL
<b>JANUARY</b>	343	16	486	69	324	681	533	147	538	509	455	164	4.265
<b>FEBRUARY</b>	394	6	506	70	275	640	568	198	600	483	497	251	4.488
<b>MARCH</b>	493	11	546	64	379	681	648	236	642	597	551	230	5.078
<b>APRIL</b>	354	10	587	71	217	538	480	298	495	565	529	242	4.386
<b>MAY</b>	405	16	722	71	380	679	561	268	518	587	504	312	5.023
<b>JUNE</b>	354	3	628	60	156	578	405	134	465	475	412	298	3.968
<b>JULY</b>	376	7	603	54	293	630	390	72	420	468	453	314	4.080
<b>AUGUST</b>	339	4	586	40	118	558	346	122	394	487	340	336	3.670
<b>SEPTEMBER</b>	368	6	538	46	282	501	404	112	436	549	311	284	3.837
<b>OCTOBER</b>	351	16	617	64	227	652	423	176	457	535	411	240	4.169
<b>NOVEMBER</b>	243	13	805	86	250	559	400	171	304	561	329	224	3.945
<b>DECEMBER</b>	365	10	602	63	284	609	469	176	479	529	436	263	4.285
<b>TOTAL</b>	<b>4.385</b>	<b>118</b>	<b>7.226</b>	<b>758</b>	<b>3185</b>	<b>7.306</b>	<b>5.627</b>	<b>2.110</b>	<b>5.748</b>	<b>6.345</b>	<b>5.228</b>	<b>3.158</b>	<b>51.194</b>

\*14910 operations were performed under local anesthesia.

51194-14910=36284 operations were done under general or regional anesthesia.

**Table 5.** Robotic Surgeries performed under general anesthesia in 2017.

<b>Urology (n)</b>	53
<b>Pediatric Urology (n)</b>	2
<b>General Surgery (n)</b>	15
<b>Transplantation (n)</b>	12
<b>Gynecology (n)</b>	2
<b>ENT (n)</b>	1
<b>TOTAL (n)</b>	<b>85</b>

**Table 6.** Neuraxial blocks in 2017.

MONTHS	SPINAL BLOCK	EPIDURAL BLOCK	COMBINE SPINAL EPIDURAL(CSE) BLOCK	PEDIATRIC CAUDAL BLOCK**
<b>FEBRUARY</b>	78+82*=160	31	4+12*	36
<b>MARCH</b>	101+83*=184	27	6+10*	27
<b>APRIL</b>	100+70*=170	34	6+5*	33
<b>MAY</b>	114+100*=214	30	1+15*	49
<b>JUNE</b>	87+96*=183	20	6+20*	64
<b>JULY</b>	95+76*=171	25	8+21*	54
<b>AUGUST</b>	92+79*=171	18	5+16*	78
<b>SEPTEMBER</b>	103+75*=176	20	8+14*	66
<b>OCTOBER</b>	155+87*=242	22	11+8*	40
<b>NOVEMBER</b>	166+72*=238	21	7+8*	28
<b>DECEMBER</b>	170+72*=242	9	5+7*	30
<b>TOTAL</b>	<b>2305</b>	<b>273</b>	<b>242</b>	<b>518</b>

\*Obstetric cases underwent either cesarean or vaginal delivery

\*\*Pediatric caudal blocks were performed under general anesthesia.

**Table 7.** Postoperative Patient Controlled Analgesia (PCA) in 2017.

MONTHS	EPIDURAL CATHETER		EPIDURAL PCA	IV PCA	OTHERS
	THORACAL	LUMBAR			
<b>JANUARY</b>	7	9	8	22	1 Continuous spinal catheter -PCA
<b>FEBRUARY</b>	9	22	3	17	2 Interscalene catheters
<b>MARCH</b>	6	21	5	25	4 Interscalene catheters 1 Femoral catheter 1 Popliteal catheter
<b>APRIL</b>	10	24	5	17	2 Infraclavicular catheters 1 Interscalene catheter
<b>MAY</b>	4	26	4	15	3 Infraclavicular catheters 1 TAP block catheter
<b>JUNE</b>	2	18	2	14	1 Popliteal catheter 2 Interscalene catheters 2 Continuous spinal catheters -PCA
<b>JULY</b>	4	21	11	16	2 Continuous spinal catheters -PCA
<b>AUGUST</b>	4	14	1	27	-
<b>SEPTEMBER</b>	0	20	6	18	2 Continuous spinal catheters -PCA
<b>OCTOBER</b>	5	17	15	20	-
<b>NOVEMBER</b>	3	18	13	16	-
<b>DECEMBER</b>	4	5	12	40	-
<b>TOTAL</b>	<b>58</b>	<b>215</b>	<b>85</b>	<b>247</b>	<b>25</b>

**Table 8.** Peripheral blocks and RIVA performed in 2017.

MONTHS	INTERSCALEN BLOCK	AXILLARY NERVE BLOCK	TRANSVERSUS ABDOMINIS PLAINÉ (TAP) BLOCK	FEMORAL BLOCK	POPLITEAL BLOCK	OTHER LOWER EXTREMITY BLOCKS	RIVA (Regional Intravenous Anesthesia)
JANUARY	28			1		1	10
FEBRUARY	23	3	1			7	2
MARCH	29	8	1	1			5
APRIL	30	4		3		1	2
MAY	27	3	1				4
JUNE	20	2	1				2
JULY	23		4				1
AUGUST	22	1	7				
SEPTEMBER	21		1	1			
OCTOBER	24		3				2
NOVEMBER	17		5		1	1	5
DECEMBER	6	1	4		3		12
<b>TOTAL</b>	<b>270</b>	<b>22</b>	<b>28</b>	<b>6</b>	<b>4</b>	<b>10</b>	<b>45</b>

**Table 9.** Anesthesia/Analgesia Techniques for Cesarean & Vaginal Deliveries in 2017.

MONTHS	CESAREAN DELIVERY			VAGINAL DELIVERY		
	GENERAL ANESTHESIA	SPINAL ANESTHESIA	TOTAL	NOTHING	EPIDURAL(CSE)	TOTAL
JANUARY	11	75	86	38	18	56
FEBRUARY	8	82	90	40	12	52
MARCH	14	83	97	40	10	50
APRIL	4	70	74	31	5	36
MAY	10	100	110	35	15	50
JUNE	11	96	107	88	20	108
JULY	8	76	84	52	21	73
AUGUST	11	79	90	70	16	86
SEPTEMBER	6	75	81	50	14	64
OCTOBER	7	87	94	45	8	53
NOVEMBER	5	72	77	38	8	46
DECEMBER	5	72	77	16	7	23
<b>TOTAL</b>	<b>100</b>	<b>967</b>	<b>1067</b>	<b>543</b>	<b>154</b>	<b>697</b>

**Anesthesia and analgesia choices for deliveries:**

Single shot spinal anesthesia using hiperbaric bupivacaine with fentanyl and morphine is the most commonly preferred anesthesia technique for cesarean deliveries. Approximately 90% rate of spinal anesthesia for cesarean deliveries and 22% rate of epidural including CSE and DPE: Dural Puncture Epidural) analgesia for vaginal deliveries have been encountered in 2017.

**Table 10.** Procedures requires general/regional anesthesia and/or anesthesia support outside the operating room in 2017.

MONTHS	MRI	DSA	INTERVENTIONAL USG	CT	ANGIOGRAPHY		ENDOSCOPY		ECT	PET CT/MR	GAMA KNIFE	RADIATION ONCOLOGY	ASSISTED REPRODUCTIVE TECHNOLOGIES (IVF)*	TOTAL
					Adult	Pediatric	Adult	Pediatric						
<b>JANUARY</b>	38	32	73	82	21	11	101	45	3	22	-	-	21	<b>449</b>
<b>FEBRUAR Y</b>	33	37	90	95	26	11	97	43	3	18	-	-	22	<b>475</b>
<b>MARCH</b>	29	36	82	98	26	9	125	68	2	25	-	-	32	<b>532</b>
<b>APRIL</b>	14	37	76	68	25	11	178	41	3	16	1	3	20	<b>493</b>
<b>MAY</b>	19	54	90	90	34	16	128	24	5	12	-	1	18	<b>491</b>
<b>JUNE</b>	17	36	72	64	25	11	137	45	4	10	1	-	10	<b>432</b>
<b>JULY</b>	28	31	82	102	23	9	107	31	1	5	-	-	18	<b>437</b>
<b>AUGUST</b>	19	36	57	77	24	12	99	43		9	-	1	15	<b>392</b>
<b>SEPTEMB ER</b>	24	34	79	94	25	7	97	34	1	9	-	-	24	<b>428</b>
<b>OCTOBER</b>	29	39	90	106	32	5	126	37		17	-	-	22	<b>503</b>
<b>NOVEMB ER</b>	24	38	102	90	31	7	140	59		14	-	1	30	<b>536</b>
<b>DECEMBE R</b>	7	23	35	47	23	10	92	27	1	5	1	-	25	<b>296</b>
<b>TOTAL</b>	<b>281</b>	<b>433</b>	<b>928</b>	<b>1013</b>	<b>315</b>	<b>119</b>	<b>1427</b>	<b>497</b>	<b>23</b>	<b>162</b>	<b>3</b>	<b>6</b>	<b>257</b>	<b>5464</b>

Most of these procedures are performed under monitored anesthesia care (MAC) except angiography which requires general anesthesia.

\*Clinical pregnancy rate is around 25% and transvaginal ultrasound guided oocyte pick up is performed under MAC using IV remifentanyl.

## 5. Faculty and Education

**Table 11.** Qualifications of Faculty and Current Trainee list.

18 faculty members	20 Trainees
<ul style="list-style-type: none"> <li>9 full time professors + 1 prof. part time</li> <li>6 full time associate professors</li> <li>4 attending staff</li> </ul>	<ul style="list-style-type: none"> <li>in training 1-2 years:10</li> <li>in training 2-3 years:10</li> <li>in training &gt;4:0</li> </ul>
1.Prof. Ömer Kurtipek (Head of the Department ) 2.Prof. C. Avni Babacan (Chairman of Algology) 3.Prof. Zerrin Özköse Şatırlar 4.Prof. D. Berrin Günaydın (Pharmacology PhD) 5. Prof. Lale Karabıyık (Chairman of ICU)(Toxicology PhD) 6.Prof. Berrin Işık 7.Prof. Yusuf Ünal 8.Prof. Nurten İnan 9.Assoc. Prof. Didem T. Akçalı (Neuroscience PhD) 10.Assoc. Prof.Nurdan Bedirli 11.Assoc. Prof. Mustafa Arslan (Physiologist) 12.Assoc. Prof. Demet Coşkun 13.Assoc. Prof. H. Kutluk Pampal (EDA) 14.Assoc. Prof. İrfan Güngör 15.Assoc. Prof. Metin Alkan (from Faculty of Dentistry) 16.Attending Dr. Gökçen Emmez (National Board Certified) 17.Attending Dr. Gözde İnan (EDA Board certified) 18.Attending Dr. Volkan Şıvgın 19.Attending Nuray C. Eryılmaz (National Board Certified)	1. Dr. Gamze Kılıçarslan 2. Dr. Selin Erel 3. Dr. Hakan Tuzlalı 4. Dr. Semin Turhan 5. Dr. Salih Toruk 6. Dr Naciye T. Özterlemez 7. Dr. Zeynep Dilmen 8. Dr. Ayşe Gülfem Pusat 9. Dr. Azer İlbengü Kaptan 10. Dr. Çağrı Özdemir 11. Dr. Arzu Haznevi 12. Dr. Ayşe Börüklüce 13. Dr. Uğur Musa Adam 14. Dr. Ayşegül Şimşek 15. Dr. Damlasu Selcen Bağcaz 16. Dr. İsmail Cem Dedemen 17. Dr. Orkhan Veisalav 18. Dr. Ülgen Öztürk 19. Dr. Selin Samsun 20. Dr. Kaan Çakır



### Present Duties of the Faculty within the National Societies

- 1) Prof. Ömer Kurtipek
  - President Elect of Turkish Society of Anesthesiology & Reanimation (TSAR)
- 2) Prof. Zerrin Özköse Şatırlar
  1. President of TSAR in Central Anatolia Branch
  2. Chair: Neurology, regional anesthesia & pain management CEEA Module V\*
- 3) Prof. Berrin Günaydın
  - Audit Board Member of TSAR
  - Chair: Obstetric Anesthesia Subcommittee under TSAR
  - Vice Chair: Obstetric and Pediatric CEEA -Module IV\*
- 4) Prof. Lale Karabıyık
  - President of the Turkish Society of Toxicology



5) Prof. Berrin Işık

- Chair: Specific Domains of Peroperative Medicine-Module VI\*

6) Prof. Yusuf Ünal

- Audit Member of Central Anatolia Branch of TSAR

7) Assoc. Prof. Nurdan Bedirli

- Board Member of the Anesthesiology & Reanimation Specialists Society (ARSS)

8) Assoc. Prof. Mustafa Arslan

- Secretary of Pharmacology and Physiology Subcommittee

9) Assoc. Prof. H. Kutluk Pampal

- Candidate of EDAIC Part II Examiner

\* Committee for European Education in Anaesthesiology (CEEAA) programs by ESA.

### 5.1. Education of Students in Faculty of Medicine

Gazi University, Department of Anesthesiology is very active in education. Faculty members of the Department of Anesthesiology and Reanimation are in charge of teaching the practice of clinical skills and, Rational Pharmacotherapy and PBL discussions in the 1st four years of Turkish Curriculum in medicine.

As for 5<sup>th</sup> year medical faculty students, there is a 5-day long anesthesiology class program in the Academic Calendar of Turkish and English Curriculum as well. Medical students are assigned to 12 groups (9 for Turkish and 3 for English Curriculum) according to the teaching program made by the dean and education coordinators of the faculty of medicine. We have a basic anesthesiology teaching program given by our faculty by the coordinators of Turkish and English Curriculum as displayed on the boards of the department and website (Appendix 1a and b).

### 5.2. Training of Anesthesiology Trainees

Resources include seminar/meeting room, e-library and collaboration with other universities, several publications in peer-reviewed national/international journals. Seminars and critical incident/case presentations/journal club activities are regularly performed by the participation of all the faculty and the trainees in the seminar room of the department (Appendix 2 and 3). Personalized training program of the trainees with their supervisors/mentors are planned and performed on every Friday after seminar hour (Appendix 4). Based on the agreement of Gazi University with ERASMUS student/trainee exchange program, anesthesiology trainees are sent abroad and medical students from abroad are accepted. The clinic also accepts visiting fellows for particularly obstetric anesthesiology and algology from Azerbaijan, Republic of Kosovo, Pakistan and Malaysia (Appendix 5).

### Amenities for faculty and trainees

- Our seminar/reading/meeting room is equipped with computer, projector and a library in the department in Block C.
- Trainees have a resting room, which have a phone access, computers and internet connection for continuous access to the e-library of the university.
- Locker facilities allocated for use by trainees are both in the central operating room and in ICU area in Block D.
- Each faculty member has 1 office room
- Two attending staff share one office room.
- One resting room equipped with computers is available for faculty and attending staff.

Objectives in the education of anesthesiology trainee are preoperative evaluation, peroperative care and anesthetic management of the patients scheduled for surgery inside the operating room and non-invasive/invasive interventions outside the operating theaters. Moreover, there are acute and chronic pain management in the ambulatory settings in addition to trauma and critically ill patients' care in ICU and resuscitation using basic and advanced life support practices. Specific educational goals are determined according to the year of each anesthesiology trainee in terms of theoretical knowledge and practical skills which is indicated in the handbook for anesthesiology trainees. Handbooks are distributed on the first day of study, during either one of the weekly seminars or the orientation program of the department. This handbook is also electronically available at [www.med.gazi.edu.tr](http://www.med.gazi.edu.tr) under Surgical Medical Sciences - Department of Anesthesiology & Reanimation's Education.

The present education-training program that we have conducted according to theoretical and clinical learning objectives included in the National Educational Syllabus of Building Curriculum Standards by the Council of Training in Medicine (TUKMOS) is designed to raise qualified hard working anesthesiologists loaded with up-to-date information in anesthesiology, intensive care and pain medicine.

The trainees are encouraged to participate in the European Diploma Examinations and/or OLA accordingly. The exam results of our trainees and fellows are presented (Appendix 6).

The total duration of the anesthesiology training program is 5 years according to TUKMOS program designed by the committee of Ministry of Health, which is responsible for the standartisation of education in all specialities in medicine. The TUKMOS program describes the learning objectives, duration of internal and external rotations and interventional competency of trainees. The contents of the programme are theoretical and interactive education, clinical practice and the distribution of the training during residency years which is written in our trainee's hand book and also available on line ([www.med.gazi.edu.tr](http://www.med.gazi.edu.tr))

Each trainee has given a handbook when she/he starts traneeship and a personal file including all professional practices, rotations (internal and external), seminars, case presentations, papers, congress participations (poster or free paper) and awards if any until now. Head of the department and training coordianator of the department schedule internal and external rotations of trainees according to workload of the department (Table 12).

**Table 12.** Mandatory internal and external rotations of the trainees

INTERNAL ROTATION	TOTAL ROTATION PERIOD (month)
Intensive Care & Post anesthesia Care	12
Preanesthesia Evaluation Unit	2
General Surgery	4
Pediatric Surgery	4
Aesthetic, Plastic and Reconstructive Surgery	3
Cardiovascular Surgery	4
Orthopaedics	4
Otorhinolaryngology	3
Neurosurgery	4
Urology	3
Obstetrics	3
Ophthalmic Surgery	3
Thoracic Surgery	4
Anesthesia outside of operating room	3
Pain	2
<b>TOTAL</b>	<b>58</b>
EXTERNAL ROTATION	PERIOD(month)
Cardiology	1
Pulmonology	1
<b>TOTAL</b>	<b>2</b>

All the trainees are supervised by a designated teaching staff in their daily practice at all times. The trainees are obliged to attend orientation programmes when they appointed to work officially in our department as a trainee.

- One orientation programme is carried out by the department.
- Two orientation programmes (basic 1 and basic 2) are carried out by the faculty of medicine

**Learning Objectives for 1st year anesthesiology trainee**

- Preoperative preparation and preanesthetic evaluation of the surgical patient
- Anesthesia planning
- Postoperative care and treatment
- Airway management
- Peripheral vascular access
- Hemodynamic observation and stabilization
- Initiating anesthesia application under supervision
- Basic pharmacological knowledge (inhalation anesthetic, intravenous anesthetic, muscle relaxants, anticholinergics, anti-hypertensive drugs, vasopressors and inotropic agents, opioids, local anesthetics, analgesics and adjuvants to anesthesia)

**Internal rotation plan for 1st year anesthesiology trainee**

- General Surgery
- ENT Surgery
- Urology
- Obstetric and Gynecology
- Intensive Care
- Aesthetic, Plastic and Reconstructive Surgery

#### **Learning Objectives for 2-3 year anesthesiology trainee**

- Getting guidance for special subjects of the speciality
- Safety of anesthesia, accurate decision making and planning, comprehensive ability of dealing with complications
- Improving catheterization and cannulation techniques and gaining experiences
- Learning scanning techniques
- Attendance to research projects
- Planning thesis project with the faculty thesis advisor/mentor

#### **Internal rotation plan for 2-3 year anesthesiology trainee**

- General Surgery
- ENT Surgery
- Urology
- Plastic and Reconstructive Surgery
- Obstetric and Gynecology
- Ophthalmic Surgery
- Thoracic Surgery
- Neurosurgery
- Cardiovascular Surgery
- Pediatric Surgery
- Anesthesia Pre-evaluation Clinic
- Algology
- Intensive Care
- Anesthesia outside of OR

#### **Learning Objectives for last year anesthesiology trainee**

- Focusing on subjects of the branch that requires special training
- Monitoring and care in high risk patients and major surgical anesthesia applications
- Special diagnosis, monitoring and treatment techniques for special surgeries
- Attendance to consultations

Trainees have to complete their thesis project 3 months before the end of their training program under the supervision of her/his personal supervisor/advisor as indicated (Appendix 4). After submitting their written thesis and approved by the 3 faculty members council (1 of them being outside Gazi University), the trainee has to pass a final oral and practice exam to graduate from the anesthesiology program.

## 6. Scientific activities

Trainees are encouraged to work on at least one research project before graduation other than their graduation thesis project. One faculty is assigned as a project supervisor/advisors at an academic official assembly of all faculty members' participation. After approval of research project (either clinical or experimental) by the institutional ethics committee, study is conducted under the supervision of an advisor/mentor. Trainees are supported by the faculty (head of the department, training program directors and research coordinators) to plan and to participate in clinical and experimental research projects that are conducted within the department.

Trainees are encouraged to participate in international (ESA or SOAP) and national congresses of Anesthesiology and Reanimation, Intensive Care, Pain Medicine and Cardiothoracic Anesthesia as well as workshops, courses and scientific activities organized by other institutions.

Each trainee should participate and take an active role in seminars that are conducted at the department. Trainees prepare a seminar/journal club/case discussion under the supervision of a teaching staff at least once a year within the academic calendar. These programs are displayed on the board both in the entrance of the department and in the trainees' resting room located in the central OR which is also available on the website.

### Documentation of activities

Trainees record their clinical, educational and research activities and the supervisor of the activities to an online logbook system that is used through out the Turkish Society of Anesthesiology and Reanimation at <http://www.tard.org.tr/asistan/?bolum=account&id=2>.

Then, these records are approved monthly by the authorized supervisors.

Trainees' participations to meetings (poster and free paper competitions) are displayed in the website. Currently received awards are written below:

- 1) Euroanesthesia 2017 (ESA) Young Teaching Recognition Award Winner. **Selin Erel**, Neuraxial Analgesia for Labour: Standard Techniques versus Novel Approach. It was published partly in the ESA Newsletter issue 71.
- 2) 51st Annual Meeting of Turkish Society of Anesthesiology & Reanimation, 2017 Antalya. Experimental Free Paper Competition, 2nd place Award.  
Sezen ŞC, Aytekin İ, Aydın ME, **Türk-Özterlemez N**, Arslan M, Erbatur ME.  
Effect of dexmedetomidine on lung tissue in rat's lower extremity after undergoing an ischemia reperfusion injury.
- 3) 51st Annual Meeting of Turkish Society of Anesthesiology & Reanimation, 2017 Antalya. Best E-poster Award. **Duruk Erkent E**, Günaydın B, Erdogan M, Kalkancı A.  
Comparison of antimicrobial effects of different concentrations of long-acting local anesthetics at different temperatures.

### **Evaluation of training**

Clinical experiences of trainees are available in logbook. Trainees are evaluated on the learning objectives of the training programme and practice based learning and improvement during the internal rotations by the faculty members. The performances of the trainees are assessed by written exam twice an academic year indicated at the end of the seminar program (Appendix 2).

Feedbacks are given to trainees personally by the exam coordinator and head of the department and the training program director.

### **Working hours**

Trainees' working hours and night shift schedules are determined as;

- Working hours: 8:00 am to 4:00 pm
- Night shift hours 4:00 pm to 8:00 am
- Every wednesday morning the seminar is at 7.45 am to 8:15 am
- Every friday the seminar is at 8:30 am to 09:30 am followed by personalized training program with supervisors between 09.30-10.00 am

### **Training Program Directors and Coordinators**

Prof.Ömer Kurtipek is not only the head of the department but also the director of the training program. He;

- organizes the adaptation and conduction of the training program
- updates the training program and records on annual basis
- supports scientific research and publications
- organizes and supports of participation to scientific meetings and courses
- supports to sit for European Diploma Examination (EDAIC Part 1&2, OLA & ITA)
- follows up records and documentation of trainees

- organizes post-graduate education workshops with the faculty members within the department and under the auspices of the society
- shares the training tasks with program directors/coordinators from faculty as follows:
  1. Training Director: Prof.Ömer Kurtipek  
Training Coordinator: Prof. Nurdan Bedirli
  2. Seminar/Journal club/Critical incident/case presentations:  
Director: Prof.Ömer Kurtipek  
Coordinators: Prof. Didem T. Akcali & Assoc. Prof. Mustafa Arslan
  3. Personalized training program for trainees  
Director: Prof.Ömer Kurtipek  
Coordinator: Prof. D. Berrin Gunaydin
  4. Research Coordinators:  
Director: Prof.Ömer Kurtipek  
Clinical Research: Prof. D. Berrin Gunaydin  
Experiemental Research: Assoc. Prof. Mustafa Arslan

## The Publication List of the Faculty

1. **Gunaydin B**, Tsen LC. Management of Cardiac arrest in Pregnancy. J Soc Thoracic Cardio- Vasc Anaesth Intensive Care 2016; 22:131-7.
2. Düzl  A , **Gunaydin B**, Ş k rođlu MK, Deđim IT. Release pattern of liposomal bupivacaine in artificial cerebrospinal fluid. Turk J Anaesthesiol Reanim 2016; 44 (1):1-6.
3. **G naydin B**, Kurdođlu M, G ler I, Bashiri M, B y ktařın F, Keleřođlu, M, İnan G. Management of neuraxial anaesthesia for emergent caesarean section for placenta previa. Turk J Anaesthesiol Reanim 2016; 44 (1):40-3.
4. **Gunaydin B**, Tas Tuna A. Anesthetic Considerations for liver diseases unique to pregnancy. World J Anesthesiol 2016; 5(3):54-61. Doi.10.5313./wja.v5.i3.54
5. **Gunaydin B**. Rational oxytocine use during cesarean operations. (Editorial). Anestezi Derg 2016; 24 (4):219-20.
6. **Gunaydin B**, Dumanlar Tan E. Which local anesthetic at what dose is recommended for parturients undergoing cesarean delivery under spinal anesthesia. J Anesth Clin Res Open Access 2016; 7(11) Doi.10.4172/2155-5148 1000681
7. Sarikus Z, **Bedirli N**, Yilmaz G, Bagriacik U, Bozkirli F. The effects of epidural bupivacaine on ischemia/reperfusion-induced liver injury. Bratisl Lek Listy. 2016;117(1):41-6.
8. Erel S, **Gunaydn B**. Neuraxial Analgesia for Labour: Standard Techniques versus Novel Approach. J Anesth-JARSS (Anestezi Dergisi) 2017; 25: 113-6.
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13. Arpacı A.H., **Iřık B**. Evaluation of the emergence agitation incidence in children who underwent deep sedation for tooth extraction. Int J Adv Res 2017;5(3), 1614-1622.
14. Arpacı A. H, **Iřık B.**, Cura N., Kaplan B., Bozkurt P. A comment regarding: Which maternal personality traits affect child behaviour during dental treatment.Eur J Paed Dent 2017;18(2): 353.
15. Turgut HC, **Alkan M**, Ata  MS, Altundađ SK, Bozkaya S, řimřek B, et al. Neutrophil lymphocyte ratio predicts postoperative pain after orthognathic surgery. Niger J Clin Pract 2017;20:1242-5.
16. **N. Bedirli**, G. Emmez, Y.  nal, M. T nge, H.emmez Effects of positive end-expiratory pressure on intracranial pressure during pneumoperitoneum and Trendelenburg position in a porcine model Turk J Med Sci 2017 47: 1610-15.
17. **Bedirli N**, Ak abay M, Emik U. Tramadol vs dexmedetomidine for emergence agitation control in pediatric patients undergoing adenotonsillectomy with sevoflurane anesthesia: prospective randomized controlled clinical study. BMC Anesthesiol. 2017;11;17(1):41. doi: 10.1186/s12871-017-0332-4.
18. Bozkirli F, **Bedirli N**, Ak abay M. Effects of steep Trendelenburg position and pneumoperitoneum on middleear pressure in patients undergoing robotic radical prostatectomy. Turk J Med Sci. 2017;27;47(1):295-299. doi: 10.3906/sag-1601-113.
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20. Vuralli D, Yildirim F, **Akcali DT**, Ilhan MN, Goksu N, Bolay H. Visual and Postural Motion-Evoked Dizziness Symptoms Are Predominant in Vestibular Migraine Patients. Pain Med. 2017;13. doi: 10.1093/pm/pxn182. [Epub ahead of print]
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#### **Participation of Faculty at International/National Anesthesiology Meetings in 2017**

- IV Balkan States Anesthesia Days - Abdominal Anesthesia and Intensive Care

May 17-20, 2017, Sarejevo, Bosnia and Hezegovina

**Panel:** Renal Transplantation and Anesthesia

**As a Moderator:** Ömer Kurtipek

**As Speakers:**

Zerrin Özköse Şatırlar, Robotic Anesthesia: Dream or Future

Nurdan Bedirli, Anesthetic Concern with Robotic Surgery

- The 1st World Congress of Anesthesia on Obstetrics (WCAO)

February 22-25, 2017, Bali, Indonesia

New Horizons in Obstetric Anesthesia and Critical Care

**As a Speaker:** Berrin Gunaydin.

Anesthetic Considerations for Pregnancy Induced Liver Disease

**As an instructor:** Berrin Gunaydin

High Risk Obstetric Firedrills-PPH Workshop

- Euroanesthesia 2017, June 3-5, Geneva, Switzerland

**As a Speaker:** Selin Erel (Young Teaching Recognition Award Winner).

Neuraxial Analgesia for Labour: Standard Techniques vs Novel Approach

#### **For 2018**

- Euroanesthesia 2018, June 2-5, Copenhagen, Denmark

**Panel:** Obstetric emergencies and/or safety in the delivery rooms Chair: E. Guasch

**Speaker:** Dudu Berrin Gunaydin,

Preeclampsia scenario with HELLP & eclampsia complications

**Speaker:** Selin Erel. Young Teaching Recognition Award winner 2017

Chair: Marc Van de Velde

Neuraxial Analgesia for Labour: Standard Techniques versus Novel Approach

**Appendix 1a.** 2017 - 2018 ACADEMIC CALENDAR FOR TURKISH AND ENGLISH\*

CURRICULUM 5TH CLASS MEDICAL STUDENTS

NO	Course Dates	Clinical Skills-Practice Dates	Oral/Written Exam Dates
1.	25.09.2017-29.09.2017	27.09.2017 Wednesday Time: 11.15-14.15	29.09.2017 (Friday)
2.	16.10.2017- 20.10.2017	18.10.2017 Wednesday Time:11.15-14.15	20.10.2017 (Friday)
3.	06.11.2017- 10.11.2017	08.11.2017 Wednesday Time:11.15-14.15	10.11.2017 (Friday)
4.	27.11. 2017 – 01.12.2017	29.11.2017 Wednesday Time: 11.15-14.15	01.12.2017 (Friday)
5.	18.12.2017-22.12.2017	20.12.2017 Wednesday Time: 11.15-14.15	22.12.2017 (Friday)
6.	09.01.2018- 15.01.2018	11.01.2018 Thursday Time: 11.15-14.15	15.01.2018 (Monday)
<b>Winter Break (JANUARY 15-22, 2018)</b>			
7	05.02.2018- 09.02. 2018	07.02.2018 Wednesday Time: 11.15-14.15	09.02.2018 Friday
8*	26.02.2018-02.03.2018	28.03.2018 Wednesday Time: 11.15-14.15	02.03.2018 Friday
9	19.03.2018- 23.03.2018	21.03.2018 Wednesday Time: 11.15-14.15	23. 03.2018 Friday
10*	09.04.2018-13.04. 2018	11.04.2018 Wednesday Time:11.15-14.15	13.04.2018 Friday
11	02.05.2018-08.03.2018	04.05.2018 Friday Time: 11.15-14.15	08.05.2018 Thursday
12*	24.05.2018-30.05.2018	28.05. 2018 Monday Time: 11.15-14.15	30.05.2018 Wednesday

**Appendix 1b.** Time table and topics.

1st DAY	2nd DAY	3rd DAY	4th DAY	5th DAY
Time:08.30-09. 15 General Anesthesia and IV Anesthetic Drugs Prof. Berrin Günaydın or Dr. Gözde İnan	Time:08.30-09. 15 Local Anesthetics and Regional Anesthesia Techniques Prof. Berrin Günaydın Dr.Gökçen Emmez	Time:08.30-09. 15 Pathophysiology of Pain and Principles of Pain Therapy Assoc. Prof. Didem Tuba Akçalı	Time:08.30-09. 15 Sepsis & ARDS Prof. Lale Karabıyık	Time:10.00-12.00
Time:09.30-10:15 Preoperative Assessment and Monitorization Prof.Yusuf Ünal	Time:09:30-10:15 Peroperative Fluid and Blood Transfusion Management Assoc. Prof.Nurdan Bedirli	Time:09.30 -10.15 Postoperative Pain Management Assoc. Prof. Didem T.Akçalı		ORAL EXAM
Time:10.30-11. 15 Muscle Relaxants & Sedative Drugs Prof. Berrin Işık	Time:10.30-11. 15 Cardiopulmonary Resuscitation (CPR) Assoc. Prof.Nurdan Bedirli	Time:10:30-11:15 Central Venous Cannulation Assoc. Prof. Metin Alkan	Time:09:30-12:00 PRACTICE IN THE INTENSIVE CARE UNIT	
Time:11.30-12. 15 Assessment of Blood Gas Analysis - Hypoxia & Oxygen treatment Assoc. Prof.Kutluk Pampal	Time:11:30-12:15 Practice of Cardiopulmonary Resuscitation (CPR) Assoc. Prof. Nurdan Bedirli	Time:11.30-12.15 Airway Management Assoc.Prof.Demet Coşkun		
<b>Lunch break 12.15-13.30</b>				
Time:13.30-16:00 PRACTICE IN THE OPERATING ROOM	Time:13:30-16:00 PRACTICE IN THE OPERATING ROOM	Time:13:30-16:00 PRACTICE IN THE OPERATING ROOM		Time:14: 30 - 15.00 WRITTEN EXAM

**Coordinators for Turkish Curriculum**

Assoc. Prof. Nurdan Bedirli & Assoc. Prof. Metin Alkan

**Coordinators for English Curriculum**

Prof. D. Berrin Günaydın & Assoc. Prof. Kutluk Pampal

**Appendix 2.** Seminar program of Department of Anesthesiology and Reanimation for trainees (academic calendar 2017-2018)

<b>Each seminar is followed by a case report presentation by a trainee</b>		
<b>Date &amp; Time:</b> Every Friday between 08.30-09.30 am		
<b>Date</b>	<b>Topic</b>	<b>Name of Lecturer/Presenter</b>
15 September 2017	Examination	Prof. Ömer Kurtipek
22 September 2017	1. Postoperative Analgesia	Assoc. Prof. Didem Akçalı (Dr. Mehmoosh BASHİRİ)
29 September 2017	2. Analysis of Blood Gases	Dr. Volkan Şıvgın (Dr. Müge Turan)
06 October 2017	3. History of Anesthesia	Dr. Volkan Şıvgın (Dr. Gül Meral KocabeYOĞLU)
13 October 2017	4. New Developments in Labor Analgesia/ Cesarean Anesthesia	Prof. Berrin Günaydın (Dr. Selin Erel)
20 October 2017	5. Legal Responsibilities of Anesthesiologist and Malpractice	Prof. Ömer Kurtipek (Dr. Zeynep Dilmen)
27 October 2017	6. <b>CRITICAL INCIDENT</b>	
03 November 2017	7. Management of Trauma Patient	Prof. Lale Karabıyık (Dr. Hakan Tuzlalı)
10 November 2017	8. Anesthetic Management of Trauma Patient	Dr. Volkan Şıvgın (Dr. Ayşe Gülfem Pusat)
17 November 2017	9. Anesthesia at Remote Locations	Dr. Gökçen Emmez (Dr. Çağrı Özdemir)
24 November 2017	10. Local Anesthetics and Local Anesthetic Systemic Toxicity	Assoc. Prof. İrfan Güngör (Dr. Ayşegül ŞİMŞEK)
01 December 2017	11. Complications of Interventional Pain Management Procedures	Prof. Avni Babacan (Dr. Salih Toruk)
08 December 2017	12. Efficiency of Nonsteroidal Anti-Inflammatory Drugs in Multimodal Pain Management	Assoc. Prof. Nurten İnan (Dr. Naciye Türk ÖZTERLEMEZ)
15 December 2017	13. Neuromonitorization	Dr. Güzde İnan
22 December 2017	14. Ultrasound Imaging for Pediatric Anesthesia	Prof. Berrin Işık (Dr. Çağrı Özdemir )
29 December 2017	15. What's New in ASA Pediatric Anesthesia Guideline	Prof. Berrin Işık (Dr. Semin Turhan)
05 January 2018	16. Brain Dead	Assoc. Prof. H. Kutluk Pampal (Dr. Gül Meral KOCABEYOĞLU)
12 January 2018	17. TIVA and TCI	Prof. Zerrin Özköse Satırlar (Dr. Uğur Musa ADAM)
19 January 2018	18. Advances in Hemodynamic Monitoring	Prof. Yusuf Ünal (Dr. Müge TURAN)

26 January 2018	19.	Basic Statistics	Assoc. Prof. Mustafa Arslan (Dr. Ayşe Gülfem Pusat)
02 February 2018	20.	Intoxications	Prof. Lale Karabıyık (Dr. Esma ARIK)
09 February 2018	21.	Blood and Blood Products	Assoc. Prof. Metin Alkan (Dr. Gamze KILIÇARSLAN)
16 February 2018	22.	Massive Transfusion Protocols and Case Reports	Assoc. Prof. Nurdan Bedirli (Dr. Orkhan VEISALOV)
23 February 2018	23	Anesthesia for Liver Transplantation	Assoc. Prof. Demet Coşkun (Dr. Azer İlbengü KARAÇALTI)
02 March 2018	24.	Pain Management-Ozone Therapy	Prof. Avni Babacan (Dr. Salih Toruk)
09 March 2018	25.	Cerebral Monitoring	Güzde İnan (Dr. Hakan Tuzlalı)
16 March 2018	26.	Anesthetic Management for Robotic Surgery	Assoc. Prof. Nurdan Bedirli (Dr. Esma Arık)
23 March 2018	27.	Peripheric Nerve Blocks for Upper and Lower Extremity	Assoc. Prof. İrfan Güngör (Dr. Naciye Türk ÖZTERLEMEZ)
30 March 2018	28.	Invasive Ventilation	Assoc. Prof. H. Kutluk Pampal (Dr. Ayşe BÖRKLÜCE)
06 April 2018	29.	Complex Regional Pain Syndrome	Assoc. Prof. Didem Akçalı
13 April 2018	30.	Malignant Hyperthermia	Dr. Gökçen Emmez (Dr. Mehmoosh BASHİRİ)
20 April 2018	31.	Hypothermia and anesthesia	Dr. Güzde İnan (Dr. Damlasu Selcen BAĞCAZ)
27 April 2018	32.	Chronic Pain Management	Assoc. Prof. Nurten İnan (Dr. İsmail Cem DEDEMEN)
04 May 2018	33.	Anesthesia for Retinopathy of Prematurity	Assoc. Prof. Demet Coşkun (Dr. Selin Erel)
11 May 2018	34.	Transparency in Scientific Research-what's New?	Assoc. Prof. Mustafa Arslan (Dr. Arzu Haznevi)
18 May 2018	35.	Anesthetic Management of Patients with Cardiac Pacemakers	Assoc. Prof. Metin Alkan (Dr. Gamze KILIÇARSLAN)
25 May 2018	36.	ERAS Protocols	Prof. Yusuf Ünal
01 June 2018	37.	Ultrasound Imaging for Intravenous Interventions	Dr. Gökçen Emmez (Dr. Ülger Öztürk)
June 8, 2018 (October 5, 2018)		Examination	

**Appendix 3. Journal Club/Critical Incident/Case Presentations.**

<b>Date&amp;Time: Every Wednesday 07.30 am</b>	<b>Trainee Name</b>	<b>Supervisor Name</b>
03.01.2018	Dr. Ülgen Öztürk - Critical case presentation	PROF.DİDEM TUBA AKÇALI
10.01.2018	Dr. Esmâ Arık - Journal club	PROF. YUSUF ÜNAL
17.01.2018	Dr. Gamze Kılıçarslan - Journal club	ATTENDING DR. GÖZDE İNAN
24.01.2018	Dr. Ayşe Börklüce - Journal club	ATTENDING DR. GÖKÇEN EMMEZ
31.01.2018	Dr. Arzu Haznevi - Journal club	ASSOC. PROF.MUSTAFA ARSLAN
07.02.2018	Dr. Mehnoosh Bashir i- Critical case presentation	PROF. ZERRİN ÖZKÖSE ŞATIRLAR
14.02.2018	Dr. Çağrı Özdemir - Olgu Sunumu	PROF. BERRİN IŞIK
21.02.2018	Dr. Salih Toruk - Journal club	PROF. AVNİ BABACAN
28.02.2018	Dr. Naciye Türk Österlemez - Journal club	PROF. NURTEN İNAN
07.03.2018	Dr. GülMeral Kocabeyoğlu- Critical case presentation	ASSOC. PROF. NURDAN BEDİRLİ
14.03.2018	Dr.Selin Samsun - Critical incident presentation	PROF.BERRİN GÜNAYDIN
21.03.2018	Dr. A.Gülfem Pusat - Thesis Project Presentation	ASSOC. PROF.MUSTAFA ARSLAN
28.03.2018	Dr. Uğur Musa Adam – Journal Club	ATTENDING DR. VOLKAN ŞIVGIN
04.04.2018	Dr. Ayşegül Şimşek- Journal club	ATTENDING DR. VOLKAN ŞIVGIN
11.04.2018	Dr. Zeynep Dilmen-Journal club	PROF.ÖMER KURTİPEK
18.04.2018	Dr. Selin Erel-Journal club	ASSOC. PROF. KUTLUK PAMPAL
25.04.2018	Dr. Damlasu Selcen Bağcaz- Journal club	ASSOC. PROF. METİN ALKAN
02.05.2018	Dr. İsmail Cem Dedemen- Journal club	ATTENDING DR. GÖZDE İNAN
09.05.2018	Dr. Kaan Çakır- Journal club	ASSOC. PROF. İRFAN GÜNGÖR
16.05.2018	Dr. Orkhan Veisalov- Journal club	ATTENDING DR. GÖKÇEN EMMEZ
23.05.2018	Dr. Azer İlbengü Kaptan- Journal club	ASSOC. PROF.DEMET COŞKUN
30.05.2018	Dr. Hakan Tuzlalı - Journal club	PROF. LALE KARABIYIK

**Appendix 4. Personalized Training Program for trainees**

<b>No</b>	<b>Trainee Name</b>	<b>Supervisor/Advisor Name</b>	<b>Time 09.30-10.00</b>
1.	Dr. Müge Turan*	Prof. Yusuf Ünal	Every friday
2.	Dr. Mehnoosh Bashiri*	Prof. Didem T. Akçalı	Every friday
3.	Dr. Esmâ Arık*	Assoc.Prof. Demet Coşkun	Every friday
4.	Dr. Gül Meral Kocabeyoğlu*	Assoc.Prof. Kutluk Pampal	Every friday
5.	Dr.Gamze Kılıçarslan	Assoc.Prof. Metin Alkan	Every friday
6.	Dr. Selin Erel	Prof.Lale Karabiyik	Every friday
7.	Dr. Hakan Tuzlalı	Prof. Lale Karabiyik	Every friday
8.	Dr. Semin Turhan	Prof.Berrin Işık	Every friday
9.	Dr.Salih Toruk	Prof. C.Avni Babacan	Every friday
10.	Dr Naciye Türk Österlemez	Prof. Nurten İnan	Every friday
11.	Dr.Zeynep Dilmen	Prof. Ömer Kurtipek	Every friday
12.	Dr. Ayşe Gülfem Pusat	Assoc.Prof. Mustafa Arslan	Every friday
13.	Dr. Gör. Çağrı Özdemir	Prof. Berrin Işık	Every friday
14.	Dr Azer İlbengü Kaptan	Assoc.Prof. Demet Coşkun	Every friday
15.	Dr Arzu Haznevi	Assoc.Prof. Mustafa Arslan	Every friday
16.	Dr. Ayşe Börklüce	Assoc.Prof. H.Kutluk Pampal	Every friday
17.	Dr. Dr. Uğur Musa Adam	Prof. Zerrin Özköse Şatırlar	Every friday
18.	Dr.Ayşegül Şimşek	Assoc.Prof. İrfan Güngör	Every friday
19.	Dr. Damlasu Selcen Bağcaz	Prof. Ömer Kurtipek	Every friday
20.	Dr.İsmail Cem Dedemen	Prof. Nurten İnan	Every friday
21.	Dr.Orkhan Veisalov	Assoc.Prof. Nurdan Bedirli	Every friday
22.	Dr. Ülger Öztürk	Assoc.Prof. Didem Tuba Akçalı	Every friday
23.	Dr.Selin Samsun	Prof. Berrin Günaydın	Every friday
24.	Dr. Kaan Çakır	Assoc.Prof. İrfan Güngör	Every friday

\*Recently finished their anesthesiology training program

**Appendix 5.** ERASMUS exchange trainees from our department and Visiting fellows or trainees from abroad.

<b>Dr. Okan Ermis</b>	<b>The Netherlands, Amsterdam University, Academic Medical Center</b>	<b>ERASMUS 2015</b>	<b>Anesthesiology</b>
Dr.Gülsüm Karabulut	France, Strasbourg INCI (Institute of Cellular & Integrative Neurosciences)	<b>ERASMUS 2016</b>	Anesthesiology
Dr.Selin Erel	United Kingdom, London West Middlesex University Hospital	<b>ERASMUS 2016</b>	Anesthesiology
Dr.Naciye Türk Özterlemez	Spain, Madrid Rota in La Paz University Hospital	<b>ERASMUS 2018</b>	
Dr.Arzu MAHMUDOVA	Azerbaijan HB	15.05.2013-15.07.2013	Anesthesiology
Dr Shakeel Ahmed	Pakistan, Karachi Aga Khan University	15.08.2015 - 30.08.2015	Obstetric Anesthesiology
Dr. Aybeniz BAYRAMOVA	Azerbaijan Medical University	01.09.2015-01.11.2015	Anesthesiology
Dr. KÖNÜL HÜSEYNOVA	Azerbaijan Medical University	01.06.2016-31.08.2016	Anesthesiology
Dr. Günay MİRZAYEVA	Azerbaijan Karona-LTD Hospital	10.01.2016 - 10.07.2016	Anesthesiology
Dr. Rüyale ABDULLAYEVA	Embassy of Azerbaijan Training Consultancy	15.11.2016-06.02.2017	Anesthesiology
Dr.Hikmet MAMMADOV	Azerbaijan Medical University	07.11.2016-07.02.2017	Anesthesiology
Dr. Mifail MORİNA	Kosova	01.01.2018-30.06.2018	Anesthesiology
Dr.Nazuha Najid	Hospital Sultan Abdul Halim-Malaysia	1.07.2018-6-9 months	Obstetric Anesthesiology
Dr. Ramzan	Pakistan	16.07.2017-16.08.2017	Anesthesiology
Dr. Phakapan BUPPHA	Ramathibodi Hospital	07.09.2015-25.09.2015	Algology
Dr. Phakapan CHALONG	Ramathibodi Hospital	07.09.2015-25.09.2015	Algology
Dr. Osama Saleh Omar ABDELMAGEED	Suudi Arabistan	6 months	Algology

**Appendix 6.** European Diploma Exam Results.

OYA YALCIN COK	EDRA 2012	Assoc. Prof.	
ALİ ÖZER SEZER	EDA 2013	Fellow	
ALPER TUNGA	EDA 2016	Fellow	
H.KUTLUK PAMPAL	EDA 2017	Assoc.Prof.	
NACİYE TÜRK ÖZTERLEMEZ	OLA, 2016	Trainee	PAPER A: 69.67 PAPER B: 69.33
FİGEN ATAK	EDAIC PART I, 2016	Fellow	PAPER A: 65.33 PAPER B: 72.33
SEVİL BALTACI ÖZEN	EDAIC PART I, 2016	Fellow	PAPER A: 65 PAPER B: 69.33
AYÇA TAŞ TUNA	EDAIC PART I, 2017	Fellow	PAPER A: 69.33 PAPER B: 73.00
ESMA ARIK	EDAIC PART I, 2017	Trainee	PAPER A: 75.33 PAPER B: 78.00
GÜLMERAL HOŞGÖREN	OLA 2016 and EDAIC Part I 2017	Fellow	PAPER A: 67.00 PAPER B: 70.33
GÜLSÜM KARABULUT	EDAIC PART I, 2017	Fellow	PAPER A: 73.33 PAPER B: 71.00

## NOTES

This application form and its appendices were prepared by Prof.Berrin Gunaydin under the supervision of Head of the Department, Prof.Omer Kurtipek. Dr.Selin Erel assisted collecting clinical data. Assoc.Prof.Kutluk Pampal and Assoc. Prof.Nurdan Bedirli are ready to help Hospital Visiting and Training Accreditation Program Committee during their visit.

CURRENT ANESTHESIOLOGY TRAINEE LIST	
1. Dr. Selin Erel	<a href="mailto:selinerel@yahoo.com">selinerel@yahoo.com</a>
2. Dr. Naciye Türk Özterlemez	<a href="mailto:turknaciye@yahoo.com">turknaciye@yahoo.com</a>
3. Dr. Salih Toruk	<a href="mailto:salihitoruk@gmail.com">salihitoruk@gmail.com</a>
4. Dr Semin Turhan	<a href="mailto:smnondr@hotmail.com">smnondr@hotmail.com</a>
5. Dr. Zeynep Dilmen	<a href="mailto:dilmenzeynep@gmail.com">dilmenzeynep@gmail.com</a>
6. Dr. Ayşe Gülfem Yalçın	<a href="mailto:gulfempusat@gmail.com">gulfempusat@gmail.com</a>
7. Dr. Çağrı Özdemir	<a href="mailto:cagriozdemir-@hotmail.com">cagriozdemir-@hotmail.com</a>
8. Dr Azer İlbengü Kaptan	<a href="mailto:bengukarcalti@gmail.com">bengukarcalti@gmail.com</a>
9. Dr. Ayşe Börklüce	<a href="mailto:ayseborkluce@gmail.com">ayseborkluce@gmail.com</a>
10. Dr. Uğur Musa Adam	<a href="mailto:ugurmusa@hotmail.com">ugurmusa@hotmail.com</a>
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12. Dr. Damlasu Selcen Bağcaz	<a href="mailto:damlasubagcaz@gmail.com">damlasubagcaz@gmail.com</a>
13. Dr. İsmail Cem Dedemen	<a href="mailto:icdedemen@gmail.com">icdedemen@gmail.com</a>
14. Dr. Orkhan Veisalov	<a href="mailto:orxan_v@hotmail.com">orxan_v@hotmail.com</a>
15. Dr. Ülgen Öztürk	<a href="mailto:drulgenozturk@gmail.com">drulgenozturk@gmail.com</a>
16. Dr. Selin Samsun	<a href="mailto:selinsamsun@hotmail.com">selinsamsun@hotmail.com</a>
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