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| **Clinical Education Program**  **Phase 2 / Year 4**  **2022-2023**  **Group 3**  **Surgical Diseases & Invasive Application Clerkship Program** | | |
| **Coordinator of Clerkship Program**  Assoc. Prof. M. Ümit UĞURLU | | |
| **Coordinator of Year 4**  Assoc. Prof.Özge Keniş Coşkun | | |
| **Vice Coordinator of Assessment**  Prof. Hasan Raci Yananlı |  | **Vice Coordinator of Student Affairs**  Assist. Prof. Can Erzik |
| **Chief Coordinator of Clinical Education**  Prof. Dilek İnce Günal | | |
| **Co-Coordinator of Medical Education Program Evaluation and Development Commission**  **(Undergraduate Program)**  Prof. Harika Alpay | | |
| **Vice Deans**  Prof. Hasan Raci Yananlı Prof. A. Altuğ Çinçin | | |
| **Dean**  Prof. Ümit S. Şehirli | | |

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| **COORDINATOR DEPARTMENTS** | **SUPPORTER DEPARTMENTS** |
| General Surgery | Orthopedics & Traumatology |
| Anesthesiology & Reanimation | Pediatrics |
| Cardiovascular Surgery | Urology |
| Thoracic Surgery | Neurosurgery |
| Plastic And Reconstructive Surgery |  |
| Emergency Medicine |  |
| Child Surgery |  |
| **COMMON DEPARTMENTS FOR ALL PROGRAMS** | |
| Radiology / Medical Pathology / Rad. Oncology / Nuclear Medicine | |
| **LEARNING OBJECTIVES of CLERKSHIP PROGRAM** | |
| • Analyzing problems, understanding decision making and problem solving processes by Integrating knowledge related with surgical disorders in pediatric and adulth periods. | |
| • Gaining competencies in basic clinical and invasive skills | |
| • Understanding patient, disease and health care process management | |
| • Effective communication with patients, their relatives and health team; being open to collaboration and team work | |
| • Taking care of professional, societal and individual values, and develop behaviors accordingly | |
| • Taking care of patient and public benefit in medical practices by critical appraisal of the health systems and health policies | |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3A Sep 5-9** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD | **General Surgery**  **Ward round**  Cumhur Yeğen, MD |  | **On-the-job learning and assessment session**  **General Surgery** |
| 09:10  10:00 | **Önlük Giyme Töreni** | **On-the-job learning and assessment session**  **General Surgery** | **On-the-job learning and assessment session**  **General Surgery** | Clinical Tutorial  Morbid obesity  Ömer Günal, MD |
| 10:10  11:00 |
| 11:10  12:00 | **Lecture**  Metabolic response to trauma  Ömer Günal, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Introduction and orientation**  General Surgery  Umit Ugurlu, MD | **Diagnostic procedures**  Radiologic evaluation of acute abdominal diseases  Kıvılcım Uprak, Rabia Ergelen, Canan Cimşit  **(Pendik)** | **On-the-job learning and assessment session**  **General Surgery** | **Lecture**  Management of liver masses  Ömer Günal , MD | **On-the-job learning and assessment session**  **General Surgery** |
| 14:10-  15:00 | **Introduction and orientation**  Anesthesiology  Ruslan Abdullayev MD | **Lecture**  Inguinal hernias  Ömer Günal MD |
| 15:10-  16:00 | **Lecture**  Patient monitoring  Nazan Özlen Atalan, MD |  |  |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3A SEP 12-16** | | | | | |
|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD |  |
| 09:10  10:00 | **On-the-job learning and assessment session**  **General Surgery** | **On-the-job learning and assessment session**  **General Surgery** | **Lecture**  Surgical site infections  Ali Emre Atıcı, MD | **On-the-job learning and assessment session**  **General Surgery** | **Lecture**  Arterial blood gas analysis  Ruslan Abdullayev,MD |
| 10:10  11:00 | **Lecture**  **Sepsis**  Ruslan Abdullayev,MD |
| **Lecture**  Shock  Ali Emre Atıcı, MD |
| 11:10  12:00 | **Lecture**  Complications in the early post-operative period and their management  Ali Emre Atıcı, MD | **Lecture**  Pathology of breast lesions and tumors  Handan Kaya, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **On-the-job learning and assessment session**  **General Surgery** | **On-the-job learning and assessment session**  **General Surgery** | **Clinical Tutorial**  Gastrointestinal system bleeding  Kıvılcım Uprak, MD  Tolga Demirbaş , MD | **On-the-job learning and assessment session**  **General Surgery** |  |
| 14:10-  15:00 | **Clinical Tutorial**  Abdominal Pain  **Cumhur Yeğen, MD**  Tolga Demirbaş, MD | **Lecture**  Surgical diseases of the spleen and retroperitoneal masses  Tolga Demirbaş, MD |
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| 15:10-  16:00 | **Lecture**  Intravenous anesthetic agents  Tümay Umuroğlu, MD |
| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/- GROUP 3A SEP 19 -23** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD | **Lecture**  Intravenous fluid therapy  **Fethi Gül,MD** | **General Surgery**  **Ward round**  Cumhur Yeğen, MD |  |
| 09:10  10:00 | **Lecture**  Inhalational anesthetic agents  Ülgen Zengin MD | **On-the-job learning and assessment session**  **General Surgery** | **Lecture**  Inotropes and vasopressors  **Fethi Gül,MD** | **On-the-job learning and assessment session General Surgery** | **Lecture**  Management of cyst hydatic disease  Tolga Demirbaş, MD |
| 10:10  11:00 | **Lecture**  Peri-operative nutrition of the surgical patient  Şakir Karpuz MD | **Lecture**  Periampullary Tumors  Cumhur Yeğen, MD | **Lecture**  Brain death and organ transplantation  Tolga Demirbaş MD |
| 11:10  12:00 | Lecture  Pre-operative evaluation and preperation  Şakir Karpuz, MD | **Lecture**  Renal Transplantation Cumhur Yeğen, MD | **Lecture**  Acute pancreatitis  Tolga Demirbaş, MD |
|  |  | **General Surgery** |  |  |  |
| 13:00-  14:00 | **Lecture**  Surgical diseases of the esophagus  Asım Cingi, MD | **On-the-job learning and assessment session**  **General Surgery** | **Lecture**  Benign breast diseases  Bahadır Güllüoğlu, MD | **On-the-job learning and assessment session**  **General Surgery** |  |
| 14:10-  15:00 | **Lecture**  Abdominal wall hernias  Asım Cingi MD | **Lecture**  Evaluation of breast in healthy and symptomatic women  Bahadır Güllüoğlu, MD | **Lecture**  Benign Colorectal Diseases 1-2  Vafi Atalay, MD |
| 15:10-  16:00 | **Lecture**  Acute cholecystitis / cholangitis  Asım Cingi MD | **Reflection session**  Bahadır Güllüoğlu, MD |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3A SEP 26-30** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 | |  | | --- | |  | | **Lecture**  Thyroidal diseases  Surgical point of view  **Umit Uğurlu, MD** | | | **Clinical Tutorial** Breast mass  Umit Uğurlu, MD | | | **Lecture**  Malignant Breast lesions    **Umit Uğurlu, MD** | |  | **On-the-job learning and assessment session**  Anesthesiology |  |  |
| 09:10  10:00 | **Lecture**  Intestinal obstruction and perforation  Mümin Coşkun, MD | **On-the-job learning and assessment session**  Anesthesiology | **Panel Discussion**  Management of Neuroendocrine Tumors  Pelin Bağcı, MD  Salih Özgüven, MD  **Mümin Coşkun MD**  **T.Kıvılcım Uprak MD** |
| 10:10  11:00 |
| **Diagnostic procedures**  Visceral Surgery  **Mumin Coskun, MD** |
| 11:10  12:00 | **Lecture**  Mesenteric Ischemia  Mümin Coşkun MD | **Lecture**  Acute abdomen differential diagnosis  Vafi Atalay, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Diagnostic procedures**  Breast and endocrine surgery  Ümit Uğurlu, MD  Onur Buğdaycı, MD | **Lecture**  Acute Appendicitis  Mümin Coşkun, MD | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology |  |
| **Lecture**  Preoperative assessment,  regional anesthesia and local  anesthetics  **Meliha Orhon Ergün MD** |
| 14:10-  15:00 | **Clinical Tutorial**  **Obstructive jaundice**  Vafi Atalay, MD |
| 15:10-  16:00 | **Midterm-evaluation**  Evaluation of clerkship program and the 2-week training process  Program Coordinators |
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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3A OCT 3-7** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  |  | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Emergency Department |
| 09:10  10:00 | **Lecture**  Fluid and electrolyte treatment  Arzu Denizbaşı, MD | **Tutorial**  CPR  Alper Kararmaz, MD  Pendik |
| 10:10  11:00 |
| **Lecture**  Algorithms in abdominal  Trauma  Özge Onur MD | **On-the-job learning and assessment session**  Anesthesiology |
| 11:10  12:00 | **Lecture**  Emergency medical management of multi-trauma patient  A-B-C-D-E  Haldun Akoğlu,MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Lecture**  Muscle relaxant agents for anesthesia  Beliz Bilgili, MD | **Learning and assessment for the professionalism** | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology |
| 14:10-  15:00 | **Lecture**  Airway Management  Ruslan Abdullayev MD |
| 15:10-  16:00 | **Lecture**  Pathology of the gastro- intestinal system tumors  Emine Bas, MD |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ GROUP 3A OCTOBER 10-14** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 | **On-the-job learning and assessment session**  Anesthesiology |  | **On-the-job learning and assessment session**  Anesthesiology | **Preparation to the exam** | **EXAMINATION** |
| 09:10  10:00 | **Lecture**  Surgical management of gastric disorders T. Kıvılcım UPRAK, MD |
| **Lecture** Wound Healing  Kıvılcım Uprak, MD | **On-the-job learning and assessment session**  Anesthesiology |  |  |
| 10:10  11:00 |
| 11:10  12:00 | **Lecture** Abdominal trauma  Kıvılcım Uprak, MD |
|  |  |  |  |
| 13:00-  14:00 | **On-the-job learning and assessment session**  Anesthesiology |  | **On-the-job learning and assessment session**  Anesthesiology |
| 14:10-  15:00 |
| 15:10-  16:00 |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3B Sep 5-9** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  |  |  |  | **On-the-job learning and assessment session**  Anesthesiology |
| 09:10  10:00 | **Önlük Giyme Töreni** | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology | Clinical Tutorial  Morbid obesity  Ömer Günal, MD |
| 10:10  11:00 |
| 11:10  12:00 | **Lecture**  Metabolic response to trauma  Ömer Günal, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Introduction and orientation**  General Surgery  Umit Ugurlu, MD | **Diagnostic procedures**  Radiologic evaluation of acute abdominal diseases  Kıvılcım Uprak, Rabia Ergelen, Canan Cimşit  **(pendik)** | **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Management of liver masses  Ömer Günal , MD | **On-the-job learning and assessment session**  Anesthesiology |
| 14:10-  15:00 | **Introduction and orientation**  **Anesthesiology**  Ruslan Abdullayev MD | **Lecture**  Inguinal hernias  Ömer Günal MD |
| 15:10-  16:00 | **Lecture**  Patient monitoring  Nazam Özlen Atalan, MD |  |  |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3B SEP 12-16** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  |  |  |  |  |
| 09:10  10:00 | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Surgical site infections  Ali Emre Atıcı, MD | **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Arterial blood gas analysis  Ruslan Abdullayev,MD |
| 10:10  11:00 | **Lecture**  Sepsis,  Ruslan Abdullayev,MD |
| **Lecture**  Shock  Ali Emre Atıcı, MD |
| 11:10  12:00 | **Lecture**  Complications in the early post-operative period and their management  Ali Emre Atıcı, MD | **Lecture**  Pathology of breast lesions and tumors  Handan Kaya, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **On-the-job learning and assessment session**  Anesthesiology | **On-the-job learning and assessment session**  Anesthesiology | **Clinical Tutorial**  Gastrointestinal system bleeding  Kıvılcım Uprak, MD  Tolga Demirbaş , MD | **On-the-job learning and assessment session**  Anesthesiology |  |
| 14:10-  15:00 | **Clinical Tutorial**  Abdominal Pain  **Cumhur Yeğen, MD**  Tolga Demirbaş, MD | **Lecture**  Surgical diseases of the spleen and retroperitoneal masses  Tolga Demirbaş, MD |
| 15:10-  16:00 | **Lecture**  Intravenous anesthetic agents  Tümay Umuroğlu, MD |
| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/- GROUP 3B SEP 19 -23** | | | | | |
|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  |  | **Lecture**  Intravenous fluid therapy  **Fethi Gül MD** |  |  |
| 09:10  10:00 | **Lecture**  Inhalational anesthetic agents  Ülgen Zengin, MD | **Tutorial**  CPR  Alper Kararmaz, MD  **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Inotropes and vasopressors  **Fethi Gül MD** | **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Management of cyst hydatic disease  Tolga Demirbaş, MD |
| 10:10  11:00 | **Lecture**  Peri-operative nutrition of the surgical patient  Şakir Karpuz MD | **Lecture**  Periampullary Tumors  Cumhur Yeğen, MD | **Lecture**  Brain death and organ transplantation  Tolga Demirbaş MD |
| 11:10  12:00 | **Lecture**  Pre-operative evaluation and preperation  Şakir Karpuz, MD | **Lecture**  Renal Transplantation Cumhur Yeğen, MD | **Lecture**  Acute pancreatitis  Tolga Demirbaş, MD |
|  |  | **General Surgery** |  |  |  |
| 13:00-  14:00 | **Lecture**  Surgical diseases of the esophagus  Asım Cingi, MD | **On-the-job learning and assessment session**  Anesthesiology | **Lecture**  Benign breast diseases  Bahadır Güllüoğlu, MD | **On-the-job learning and assessment session**  Anesthesiology |  |
| 14:10-  15:00 | **Lecture**  Abdominal wall hernias  Asım Cingi MD | **Lecture**  Evaluation of breast in healthy and symptomatic women  Bahadır Güllüoğlu, MD | **Lecture**  Benign Colorectal Diseases 1-2  Vafi Atalay, MD |
| 15:10-  16:00 | **Lecture**  Acute cholecystitis / cholangitis  Asım Cingi MD | **Reflection session**  Bahadır Güllüoğlu, MD |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3B SEP 26-30** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 | **Lecture**  Thyroidal diseases  Surgical point of view  **Umit Uğurlu, MD**  **Clinical Tutorial** Breast mass  Umit Uğurlu, MD |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD  **On-the-job learning and assessment session**  General Surgery | **General Surgery**  **Ward round**  Cumhur Yeğen, MD |  |
| **On-the-job learning and assessment session**  General Surgery |
| 09:10  10:00 | **Lecture**  Thyroidal diseases  Surgical point of view  **Umit Uğurlu, MD** | **Lecture**  Intestinal obstruction and perforation  Mümin Coşkun, MD | **On-the-job learning and assessment session**  General Surgery | **Panel Discussion**  Management of Neuroendocrine TumorsPelin Bağcı, MD  Salih Özgüven, MD  **Mümin Coşkun MD**  **T.Kıvılcım Uprak MD** |
| 10:10  11:00 | **Clinical Tutorial** Breast mass Umit Uğurlu, MD |
| **Diagnostic procedures**  Visceral Surgery  **Mumin Coskun, MD** |
| 11:10  12:00 | **Lecture**  Malignant Breast Lesions  **Umit Uğurlu, MD** | **Lecture**  Mesenteric Ischemia  Mümin Coşkun MD | **Lecture**  Acute abdomen differential diagnosis  Vafi Atalay, MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Diagnostic procedures**  Breast and endocrine surgery  Ümit Uğurlu, MD  Onur Buğdaycı, MD | **Lecture**  Acute Appendicitis  Mümin Coşkun, MD | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  General Surgery |  |
| **Lecture**  Preoperative assessment,  regional anesthesia and local  anesthetics  **Meliha Orhon Ergün MD** |
| 14:10-  15:00 | **Clinical Tutorial**  **Obstructive jaundice**  Vafi Atalay, MD |
| 15:10-  16:00 |  | **Midterm-evaluation**  Evaluation of clerkship program and the 2-week training process  Program Coordinators |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ - GROUP 3B OCT 3-7** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 |  | **General Surgery**  **Ward round**  Cumhur Yeğen, MD | **General Surgery**  **Ward round**  Cumhur Yeğen, MD  **On-the-job learning and assessment session**  General Surgery | **General Surgery**  **Ward round**  Cumhur Yeğen, MD  **On-the-job learning and assessment session**  General Surgery |  |
| 09:10  10:00 | **Lecture**  Fluid and electrolyte treatment  Arzu Denizbaşı, MD | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  General Surgery |
| 10:10  11:00 | **Lecture**  Algorithms in abdominal  Trauma  Özge Onur MD |
| 11:10  12:00 | **Lecture**  Emergency medical management of multi-trauma patient  A-B-C-D-E  Haldun Akoğlu,MD |
|  |  |  |  |  |  |
| 13:00-  14:00 | **Lecture**  Muscle relaxant agents for anesthesia  Beliz Bilgili, MD | **Learning and assessment for the professionalism** | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  General Surgery | **On-the-job learning and assessment session**  Emergency Department |
| 14:10-  15:00 | **Lecture**  Airway Management  Ruslan Abdullayev MD |
| 15:10-  16:00 | **Lecture**  Pathology of the gastro- intestinal system tumors  Emine Bas, MD |

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| **SURGICAL DISORDERS AND INVASIVE PROCEDURES BLOCK/ GROUP 3B OCTOBER 10-14** | | | | | |
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|  | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
| 08:00  09:00 | **On-the-job learning and assessment session**  General Surgery | **Lecture** Wound Healing  Kıvılcım Uprak, MD | **General Surgery**  **Ward round**  Cumhur Yeğen, MD  **On-the-job learning and assessment session**  General Surgery | **Preparation to the exam** | **EXAMINATION** |
| 09:10  10:00 |
| **Lecture** Abdominal trauma  Kıvılcım Uprak, MD   |  | | --- | | **Lecture**  Surgical management  of gastric disorders  Kıvılcım Uprak, MD    Kıvılcım Uprak, MD    **Kıvılcım Uprak, MD**  **Surgical management of gastric disorders T. Kıvılcım UPRAK, MD**  **Lecture**  **Surgical management of gastric disorders T. Kıvılcım UPRAK, MD**  **Lecture Wound Healing**  **Kıvılcım Uprak, MD** | | **Lecture** Abdominal trauma  Kıvılcım Uprak, MD |   **On-the-job learning and assessment session**  General Surgery    **Lecture** Abdominal trauma  Kıvılcım Uprak, MD | **On-the-job learning and assessment session**  General Surgery |
| 10:10  11:00 |
| 11:10  12:00 |
|  |  |  |  |
| 13:00-  14:00 | **On-the-job learning and assessment session**  General Surgery |  | **On-the-job learning and assessment session**  General Surgery |
| 14:10-  15:00 |
| 15:10-  16:00 |