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**ÜSKÜDAR UNIVERSITY FACULTY OF MEDICINE**

**4TH SEMESTER**

**GYNECOLOGY AND OBSTETRICS INTERNSHIP GUIDE**

**4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP**

**1) 4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP AND DURATION:**

The "Obstetrics and Gynecology" internship for the 4th year students at Üsküdar University Faculty of Medicine aims to improve their knowledge and skills in the field of women's health and reproductive health. This process, which started with more theoretical courses in the past, focuses more on practical applications in this period. Transformation of theoretical knowledge into practice and combining it with the right attitude will help students acquire the necessary competencies. This holistic approach is provided by the 4th Semester women's health internship, which is an important step in the field of "Obstetrics and Gynecology". One of the main goals of this internship is to fully comprehend and internalize the comprehensive examination that a doctor will perform throughout his professional life.

After completing the "Obstetrics and Gynecology" internship of fourth-year faculty of medicine school students, we aim to develop an in-depth understanding in the field of gynecology and obstetrics. This process covers a wide range of gynecology and obstetrics and aims to provide the necessary knowledge and skills in cases where it is necessary to identify the symptoms seen in women, to determine their causes, and sometimes to offer solutions in critical scenarios such as emergencies. The "Obstetrics and Gynecology" internship aims to strengthen students' ability to understand, diagnose and manage problems in the field of gynecology and obstetrics by providing a broad perspective on the main topics of the field as well as related sub-topics. Students not only experience basic medical practices in the field of gynecology and obstetrics, but also gain competence in determining the appropriate treatment methods for the needs of female patients and directing them to relevant specialties when necessary.

Obstetrics and Gynecology internship is 6 weeks: Theory (2 weeks), Practice (3 weeks), freelance work (1 week). Theoretical courses will be taught for the first 2 weeks, and practical applications will be made for the next 3 weeks. Every week on Thursdays is the day of case reporting.

**2) 4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP LEARNING OBJECTIVES**

1. To acquire gynecologic obstetric patient history and holistic gynecological examination skills in general and challenging scenarios.

• In this process, it is aimed to consider the anatomical and hormonal differences of women and to provide sensitivity in communication with pregnant women.

2. To acquire the practice of comprehensive systemic gynecological examination.

• It is ensured that the specific gynecological examination findings of women are understood and interpreted correctly.

3. To create a gynecological obstetric patient file, preparing an epicrisis report and developing effective communication skills with the patient.

• Communication strategies for the special needs of female patients and their families are taught.

4. To teach the ability to diagnose common gynecological diseases and to plan treatment and to ensure practice.

• Symptoms, diagnostic methods and treatment options of the most common gynecological diseases are conveyed to the students.

• In particular, conditions such as gynecological infections and reproductive system diseases are addressed.

5. To improve the ability to order laboratory tests and evaluate the results.

• They are taught how to request laboratory tests commonly used in the gynecological obstetrics field and how to interpret their results.

6. To develop the ability to recognize the symptoms of cancer and understand oncological emergencies.

• Training is provided on early recognition of cancer symptoms and management of oncological emergencies in women.

7. To teach pregnancy follow-up and obstetric management.

• Information is given about the follow-up of the pregnancy process, risk assessment and management strategies in the prenatal, birth and postpartum periods.

• Prenatal care, risky pregnancy situations and obstetric emergencies are addressed.

8. To understand and manage situations specific to women's development.

• The management of diseases is handled by considering the growth, development, behavioral and psychosocial characteristics of women according to their life stages.

• Problems in reproductive age, family planning and problems specific to the menopause period are emphasized.

9. To recognize common diseases in women and teaching treatment methods.

• Focusing on the diagnosis and management of women's health problems such as gynecological infections, menstrual irregularities, reproductive system tumors.

**3) DUTIES OF THE INTERN:**

**1) Development of Clinical Knowledge and Skills:**

• This internship period aims to develop the competence to accurately evaluate gynecologic obstetric patient complaints, findings and conditions.

• It is aimed to internalize systemic examination and clinical reasoning skills.

• Active participation in theoretical and practical courses is important in gaining knowledge and experience.

**2) Professional Attitude at the Bedside:**

• During the internship process, it is aimed to make the best use of bedside trainings and to develop a professional attitude suitable for the field of gynecology and obstetrics.

• Empathetic, ethical, and respectful communication is critical for patient safety and healthy physician-patient relationships.

**3) Importance of Gynecological Obstetric Diseases:**

• This internship period covers the basic knowledge of the field of obstetrics and gynecology.

• Provides the opportunity to learn about the special conditions of women such as growth, development, psychosocial characteristics and to learn about approaches specific to gynecology and obstetrics patients.

**4) Communication Skills:**

• Good communication is the foundation for building effective relationships with patients and their families.

• Interns develop the ability to empathize with obstetric patients and their families, communicate openly and convey information in an understandable way.

**5) Teamwork:**

• Medical care requires a multidisciplinary approach.

• The internship process aims to learn the ability to collaborate effectively with other health professionals and to provide the best care of their female patients.

**6) Ethics and Privacy:**

• It is critical to respect ethical values and take care of patient privacy in medical practices.

• Interns learn to understand ethical issues, protect patients' privacy, and obtain consent.

**7) Scientific Research:**

• Developments in the field of medicine are constantly changing.

• Interns aim to understand scientific approaches and develop scientific thinking by following the current literature.

**8) Continuous Learning:**

• Medical information is constantly updated.

• The internship period provides students with a culture of continuous learning and self-development.

**9) Time Management:**

• Medical practices can be fast-paced.

• Interns learn to use time effectively, manage emergencies and manage the workload in a balanced way.

**4) LEARNING OUTCOMES OF 4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP**

Students who complete the internship in obstetrics and gynecology must have gained the following competencies:

**1. Pregnancy Follow-up and Birth Management:**

**•** Information must be obtained about the follow-up of the pregnancy process, the management of normal and risky pregnancies, and basic diagnosis and treatment approaches related to pregnancy must be learned.

**2. Maternity and Postpartum Care:**

**•** Information must be obtained about the follow-up and management of normal and risky birth processes, postpartum follow-up and basic postpartum care.

**3. Gynecological Disease Assessment and Diagnosis Competence:**

**•** The ability to identify the symptoms of different gynecological diseases and to make differential diagnosis must be developed.

**4. Medical History Taking and Gynecological Physical Examination Skill for Patients:**

**•** The ability to detect patient-specific symptoms, take a comprehensive medical history and perform gynecological systemic physical examination must be gained.

**5. Diagnosis and Treatment Information of Gynecological Diseases:**

**•** Basic knowledge of the field of gynecology and obstetrics must be acquired, diagnosis and treatment methods of common gynecological diseases must be learned and applied.

**6. Gynecological Emergency Management:**

**•** The competence to identify emergencies frequently encountered in the field of gynecology and obstetrics, to understand the principles of emergency approach and to make necessary interventions must be gained.

**7. Patient Communication and Gynecological Empathy:**

**•** Skills to communicate effectively with patients and their families, to inform them, and to exhibit an approach with high gynecological empathy must be developed.

**8. Gynecological Evaluation of Laboratory Data:**

**•** The ability to understand, evaluate and associate laboratory results with gynecological clinical status must be gained.

**9. Gynecological Reasoning:**

**•**  Skills to analyze patients' data, evaluate their gynecological status, and develop appropriate diagnosis and treatment strategies must be taught.

**10. Team Collaboration:**

**•**  The ability to collaborate effectively with other health professionals and to work in a coordinated manner within the team to provide the best gynecological care of patients must be gained.

**11. Respect for Ethical Values:**

**•** Respecting the confidentiality and privacy of patients and teaching the practice of medicine must be in accordance with ethical values.

**12. Gynecological Continuous Learning Willingness:**

**•** Willingness to follow gynecological developments in the field of medicine, to gain the understanding of constantly updating and improving oneself by following the current literature**.**

**5) LEARNING-TEACHING METHODS IN THE COURSES AND PRACTICES IN THE 4TH SEMESTER CHILD HEALTH AND DISEASES INTERNSHIP PROGRAM**

1. **Theoretical courses:**

The courses attended by students to support the processes of understanding and digesting the necessary information to obtain internship qualifications include important platforms where theoretical knowledge is conveyed and discussed. The internship program is given below:

1. **Case Discussion:**

During the practical training hours, the principles of approach, diagnosis, differential diagnosis and treatment are examined and evaluated, with a particular focus on specific patient groups or presenting complaints. This phase of the internship program is stated below:

1. **Case Preparation:**

During the internship in Obstetrics and Gynecology, each student prepares a case for which they are responsible for detailed history taking, pediatric physical examination, differential diagnosis and diagnostic content. This phenomenon is presented as an evaluation criterion at the end of the internship period.

1. **Independent Learning in the Clinic:**

Within the weekly plan, independent learning hours are allocated to students so that they can make the most effective use of the opportunities offered in learning areas such as inpatient service and Gynecology and Obstetrics Outpatient Clinic.

**6) 4TH SEMESTER GYNECOLOGY AND OBSTETRICS INTERNSHIP TRAINING ENVIRONMENTS**

1. Classrooms, conference halls in the NP Health Campus
2. Ümraniye Training and Research Hospital Gynecology and Obstetrics Clinic and Polyclinics

**7) 4TH SEMESTER GYNECOLOGY AND OBSTETRICS CORE DISEASES/CLINICAL PROBLEMS AND TARGETED LEARNING LEVELS**

**Learning Levels**

|  |  |
| --- | --- |
| **Faculty of Medicine Graduates in Primary Health Care Service Delivery** | |
| **A** | To be able to identify the emergency, make the first treatment, and refer them to a specialist when necessary. |
| **ÖnT** | In non-emergency situations, to be able to make a preliminary diagnosis and take the necessary preliminary procedures and direct them to the specialist. |
| **T** | To be able to diagnose and have information about the treatment, perform the necessary preliminary procedures and refer them to the specialist. |
| **TT** | To be able to diagnose and treat |
| **İ** | To be able to perform long-term follow-up (monitoring) and control |
| **K** | To be able to implement protection measures (primary, secondary and tertiary protections that are appropriate) |

**Core Diseases/Clinical Problems and Targeted Learning Levels**

|  |  |
| --- | --- |
| **Diseases/Clinical Problems** | **Learning Level** |
| Abortus | **A** |
| Acute abdomen | **T-A** |
| Dehydration | **TT-A-K** |
| Diabetes Mellitus | **TT-K-İ** |
| Acute complications of diabetes | **T-A** |
| Diabetic mother's baby | **T-K** |
| Birth trauma | **ÖnT-K** |
| Asphyxia at birth | **A-K** |
| Fetal distress at birth | **A-K** |
| Congenital metabolic diseases | **ÖnT-K-İ** |
| Congenital structural anomalies | **T-K** |
| Sexual dysfunctions | **ÖnT** |
| Sexually transmitted infections | **TT-K-İ** |
| Eclampsia, preeclampsia, HELLP syndrome | **T-A-K** |
| Ectopic pregnancy | **ÖnT** |
| Endometriosis | **ÖnT** |
| Hypertension | **TT-A-K-İ** |
| Hyperemesis gravidarum | **TT-A** |
| Drug side effects | **T-A-K-İ** |
| Intrauterine growth retardation | **ÖnT-K** |
| Intrauterine infections | **ÖnT-K** |
| Gestational diabetes | **T-K-İ** |
| RH incompatibilities in pregnancy | **ÖnT-K** |
| Genital infections | **TT-K** |
| Guatr | **TT-K-İ** |
| Hemolytic uremic syndrome/Thrombotic thrombocytopenic purpura | **ÖnT** |
| Hyperthyroidism | **ÖnT** |
| Hypoglycemia | **A** |
| Hypothyroidism | **TT-İ** |
| Hydrocephalus | **ÖnT** |
| Hypotonic baby | **ÖnT** |
| Vitamin K deficiency | **A-K** |
| Bleeding disorders | **ÖnT-K-İ** |
| Blood incompatibilities | **ÖnT-K** |
| Complications of transfusion of blood and its products | **T-A** |
| Abdominal traumas | **A** |
| Congenital adrenal hyperplasia | **ÖnT** |
| Common chromosomal disorders | **ÖnT-K** |
| Megaloblastic anemia | **TT-K-İ** |
| Neural tube defects | **T-K** |
| Obesity | **T-K-İ** |
| Oncological emergencies | **A** |
| Osteoporosis | **ÖnT-K** |
| Ovarian tumors | **ÖnT** |
| Prematurity | **T-K** |
| Pelvic pain syndrome | **ÖnT-İ** |
| Pelvic inflammatory disease | **T-K** |
| Polycystic ovary syndrome | **ÖnT** |
| Premenstrual syndrome | **ÖnT** |
| Risky pregnancy | **ÖnT-K** |
| Cervical tumors | **ÖnT-K** |
| Problematic labor | **A** |
| Sepsis | **A** |
| Fluid and electrolyte disturbances | **T-A-K** |
| Shock | **A** |
| Tetanus | **T-A-K** |
| Uterine tumors | **ÖnT** |
| Urinary tract infections | **TT-K** |

**Basic Medical Practices Learning Level**

|  |  |
| --- | --- |
| Learning Level | Explanation |
| **1** | To be able to know how the application is done and explains the results to the patient and/or their relatives. |
| **2** | In case of an emergency, to be able to make the application in accordance with the guideline/directive |
| **3** | To be able to make the application in uncomplicated, frequent, situations/cases |
| **4** | To be able to make the application including complex situations/cases |

**Basic Medical Practices**

|  |  |
| --- | --- |
| **Pediatrics Internship Basic Medical Practices** | **Learning Level** |
| **Taking a Medical History** | |
| Ability to take general and problem-oriented medical stories | 4 |
| **General and problem-oriented physical examination** | |
| Examination of the abdomen | 4 |
| Consciousness assessment and mental status examination | 3 |
| Pregnancy examination | 3 |
| Gynecological examination | 3 |
| Evaluation of general condition and vital signs | 4 |
| Breast and axillary region examination | 3 |
| **Record keeping, reporting, and notice** | |
| Ability to clarify and obtain consent | 4 |
| Ability to issue forensic case notification | 4 |
| Ability to prepare epicrisis | 4 |
| Ability to prepare health reports in accordance with current legislation | 3 |
| Ability to prepare a patient file | 4 |
| Ability to prepare a treatment refusal document | 4 |
| Reporting and reporting legally notifiable diseases and conditions | 4 |
| **Laboratory tests and other related procedures** | |
| Ability to apply the principles of working with biological material | 4 |
| Ability to provide decontamination, disinfection, sterilization, antisepsis | 4 |
| Ability to fill out the request form for laboratory examination | 4 |
| Ability to interpret the results of screening and diagnostic examinations | 3 |
| Ability to prepare a vaginal discharge sample | 3 |
| **Interventional and non-interventional applications** | |
| Ability to Distinguish / manage the forensic phenomenon | 3 |
| Ability to take biological samples from the patient | 3 |
| Ability to apply the principles of rational drug use | 4 |
| Ability to insert a urinary catheter | 3 |
| Ability to measure blood pressure | 4 |
| Ability to administer oral, rectal, vaginal and topical medication | 3 |
| Ability to apply basic life support | 4 |
| Ability to throw and take superficial sutures | 4 |
| Ability to provide maternal care after childbirth | 3 |
| Ability to care for the baby after birth | 3 |
| Ability to open and suture episiotomy | 3 |
| Ability to follow up pregnant and puerperium | 3 |
| Ability to extract genograms | 4 |
| Ability to have a normal spontaneous birth | 2 |
| Vaginal and cervical sampling | 3 |
| **Preventive medicine practices** | |
| Ability to fight infectious diseases in the community | 3 |
| Ability to provide family planning counseling | 4 |
| Ability to teach correct breastfeeding methods | 4 |
| Ability to apply contraception methods correctly and to monitor users | 3 |
| **Principles and practices of scientific research** | |
| Ability to access current literature information and to read critically | 3 |
| Ability to apply the principles of evidence-based medicine in the clinical decision-making process | 3 |
| **Scans** | |
| Premarital screening program | 4 |

**8) 4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP MEASUREMENT AND EVALUATION**

The end-of-internship assessment and evaluation methods and their contribution to the internship passing grade are as follows:

**1. Evaluation of service work**

The grade given to the patient file created by each intern by the faculty members responsible for the patients reflects the performance of the intern. In addition, the activities of the intern are evaluated during the practical training hours and plus points are added to this evaluation. This evaluation process constitutes 20% of the total internship grade.

**2. Oral and/or written OSCE exam:**

The jury, consisting of at least two faculty members, organizes an oral and/or written OSCE exam that covers the learning objectives of the students, which includes the knowledge obtained in theoretical and practical courses during the internship period. This exam is an evaluation tool to evaluate the performance of students. The scores obtained according to the exam results constitute 80% of the internship grade.

**9) 4TH SEMESTER OBSTETRICS AND GYNECOLOGY INTERNSHIP FEEDBACK**

On the last Friday when the obstetrics and gynecology internship ends, and anonymous written feedback is requested from students after the completion of the exam. At this stage, students' evaluations are collected on issues such as the positive and negative points experienced in the internship experience, the performance of the faculty members and the effectiveness of the courses.