HACETTEPE UNIVERSITY
FACULTY OF MEDICINE

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

PHASE IV

OBSTETRICS AND GYNECOLOGY CLERKSHIP

Prof. Dr. G. Serdar GÜNALP
Chairman of the Department

AUGUST 28, 2017 - NOVEMBER 03, 2017
Dear Students,
Welcome to Phase IV Obstetrics and Gynecology Clerkship which constitutes an important part of your medical education. During this clerkship program lasting for 10 weeks, all the clinical lectures and practical studies aim to convey every aspect of Obstetrics and Gynecology education. We would like to inform you shortly about the Academic staff and physical infrastructure of the department.

A. OVERVIEW

The Clerkship of Obstetrics and Gynecology, which will last for 10 weeks, is composed of rotations in Wards (83-82), Delivery Ward (81) and Outpatient Clinics. At the end of all these rotations, you will learn to evaluate a female patient from an Obstetric and Gynecological point of view. Meanwhile, you will find the opportunity to observe all, and even experience some, of the Obstetrical and Gynecological interventions either in Outpatient Clinics or under general anesthesia. You will here gain the first of your personal Obstetrics and Gynecology experience at the very beginning of your medical practice by reading related textbooks, by attending lectures, grand rounds, seminars and by delivery ward and operating room observations and practice. The main theoretical and practical keypoints to be learned are listed in the program. You will learn the diagnostic approach to and medical management of patients by obtaining anamnesis, by performing physical and pelvic examination, by evaluating patient files and reading about the subject and by consulting to the academic staff or postgraduates.

B. ACADEMIC STAFF

Prof. Dr. Serdar GÜNALP (Chairman of Department of Obstetrics and Gynecology)
(Head of Reproductive Medicine & Infertility)
Prof. Dr. M. Sinan Beksaç (Head of Maternal and Fetal Medicine Division)
Prof. Dr. Kunter Yüce
Prof. Dr. Selçuk Tuncer
Prof. Dr Hakan Yaralı
Prof Dr. Özgür Deren
Prof. Dr. Coşkun Salman
Prof. Dr. Gürkan Bozdağ
Doç. Dr. İbrahim Esinler
Doç. Dr. Özgür Özyüncü
Doç. Dr. Nejat Ö zgül
Doç. Dr. Murat Gültekin
Yrd. Doç. Dr. Sezcan Mü müsoğlu
C. PHYSICAL INFRASTRUCTURE OF THE DEPARTMENT

The Department of Obstetrics and Gynecology is located in the 8th Block, occupying the Ground, 1st, 2nd and 3rd floors.

**Ground floor**: Academic staff offices, Outpatient Clinic examination rooms, Ultrasonography Unit, Laser & Colposcopy Room, Family Planning Unit, Urodynamics and Physiotherapy Room.

**1st floor**: Delivery Ward (Ward 81), Operation Theatre of Obstetrics and Gynecology (Ward 81 Operation Theatre), Maternal Fetal Medicine & Perinatology Division, Ultrasonography Room of Maternal Fetal Medicine Division, Andrology Unit.

**2nd floor**: Obstetrics Ward (Ward 82), Reproductive Medicine & Infertility Unit, IVF-ET Center

**3rd floor**: Gynecology Ward (Ward 83), Gynecologic Oncology, Chemotherapy Room, Lecture Hall of Obstetrics and Gynecology

**Operation Theatre**: In the Main Operation Theatre on floor A, rooms number 1 and 3 are used by our department.

D. POSTGRADUATES

**Fellows**
Uzm. Dr. Gökçen Örgül
Uzm. Dr. Oğuzhan Kuru
Uzm. Dr. Atakan Tanaçan

**5th year postgraduates**
Dr. Anıl Ertürk
Dr. Sinem Duru
Dr. Murat Çağan
Dr. Burcu Soyak
Dr. Gül Sema Can

**4th year postgraduates**
Dr. Fatih Aktoz
Dr. Gonca Özten
Dr. Sibel Çetiner
Dr. Nurhayat Halis

**3rd year postgraduates**
Dr. Günel Ziyadova
Dr. Meltem Yücesoy

**2nd year postgraduates**
Dr. Alican Güneş
Dr. Esra Uyanık

**1st year postgraduates**
Dr. Nazlı Orhan
Dr. Aysel Abdullazade
Phase IV 10 weeks Clerkship of Obstetrics and Gynecology is composed of approximately 76 hours of Theoretical Lectures, Bedside Training Sessions, Audiovisual Libraries, Problem Based Learning Sessions, Simulator Sessions, Ward Studies, Outpatient Clinic Studies, Operation Theatre Studies, Subunit Studies and Grand Rounds. Theoretical lectures are held everyday at Conference -1 Hall between 11.00-12.00 and 13.00-14.00. Bedside Training is accomplished everyday at Obstetrics and Gynecology Wards and at Outpatient Clinic by the participation of Academic staff between 09.00-10.00 in the morning. The students are grouped and each group undergoes a rotation program including Outpatient Clinic, Obstetric Ward, Gynecology Ward and Delivery Ward during the clerkship. In this rotational education, the pretold theoretical information is reemphasised upon patient samples and reinforced by practical applications.

Each of the Academic Staff deals with an approximately equal number of students and educates them in terms of Problem Based Approach, Simulator Sessions, Practical Studies, Operation Theatre Applications etc. Every Tuesday morning Grand Rounds are held, aiming to develop the scientific discussion and analysis abilities of the students by the participation of Academic Staff, on patient basis. Special lectures, twice in every month, inform the students about “up to date” approaches and treatment modalities.

At the end of the clerkship program, the final mark of every student is determined by a special combination of the marks they obtain from the written multiple choice examination, from the oral examination administered by the academic staff and from their practical studies.

A representative student is elected from the group. This representative is responsible from daily student checklist follow up, interrelation of academic staff with students and he/she informs the chairman of the department if needed. Similarly, academic staff student groups elect their subgroup representative to provide communication of the subgroup with the academic staff member.
F. BEDSIDE TRAINING PROGRAM

09.00-10.00

**Monday**
- 83 Dr. Salman
- 82 Dr. Günalp
- 81 Clinical Study
- Pol Dr. Özyüncü

**Wednesday**
- 83 Dr. Özgül
- 82 Dr. Gültekin
- 81 Clinical Study
- Pol Dr. Yüce

**Thursday**
- 83 Dr. Tuncer
- 82 Dr. Beksaç
- 81 Clinical Study
- Pol Dr. Bozdağ

**Friday**
- 83 Dr. Esinler
- 82 Dr. Deren
- 81 Clinical Study
- Pol Dr. Yaralı

G. ROTATIONS

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<tr>
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<th>83</th>
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<td>September 25, 2017 - October 06, 2017</td>
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<tr>
<td>A1 - Dr. GÜNALP</td>
<td>A2 - Dr. BEKŞAÇ</td>
<td>A3 - Dr. YÜCE</td>
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<td>B1 - Dr. TUNCER</td>
<td>B2 - Dr. YARALI</td>
<td>B3 - Dr. DEREN</td>
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<td>C1 - Dr. SALMAN</td>
<td>C2 - Dr. BOZDAĞ</td>
<td>C3 - Dr. ESİNLER</td>
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<td>D1 - Dr. ÖZYÜNCÜ</td>
<td>D2 - Dr. ÖZGÜL</td>
<td>D3 - Dr. GÜLTEKİN</td>
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<td>E. UROLOGY</td>
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I. PROGRAMME

INTRODUCTION TO OBSTETRICS AND GYNECOLOGY

August 28, 2017 - Monday
09.00-12.00  Introduction
13.00- 14.00 Preventive Medicine and Screening in Woman- Dr. Gültekin
14.00-17.00 Outpatient Clinic and Ward Study

August 29, 2017 - Tuesday
09.00-12.00  Grand Round
14.00-17.00 Outpatient Clinic and Ward Study

August 30, 2017 - Wednesday
Holiday

August 31, 2017 - Thursday
Holiday

September 01, 2017 - Friday
Holiday
September 04, 2017 - Monday
Holiday

September 05, 2017 - Tuesday
09.00-11.00  Grand Round
11.00 -12.00  Symptoms and signs in Gynecology - Dr. Bozdağ
13.00-14.00  Normal Labor and Delivery - Dr. Günalp
15.00-17.00  Outpatient Clinic and Ward Study

September 06, 2017 - Wednesday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-12.00  Outpatient Clinic and Ward Study
13.00-14.00  Pelvic Anatomy - Dr. Özgül
14.00-17.00  BOLOGNA

September 07, 2017 - Thursday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-11.00  Outpatient Clinic and Ward Study
11.00-12.00  Communication and Consultancy with the Patient and Employees-Dr. Özgül
13.00-14.00  HPV DNA Tests and Screening with Molecular Tests - Dr. Özgül
14.00-15.00  Amenorrhea - Dr. Mümüşoğlu
15.00-17.00  Outpatient Clinic and Ward Study

September 08, 2017 - Friday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-11.00  Operative Delivery -Dr. Günalp
11.00-12.00  Colposcopy - Dr. Yüce
13.00-14.00  Pelvic Examination - Dr Özgül
14.00-17.00  Outpatient Clinic and Ward Study
September 11, 2017 - Monday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-11.00  Medical and Surgical Complications Caused by Pregnancy - Dr. Gültekin
11.00-12.00  Termination of Pregnancy - Dr. Gültekin
13.00-14.00  Benign Disorders of the Uterus - Dr. Tuncer
14.00-17.00  Outpatient Clinic and Ward Study

September 12, 2017 - Tuesday
09.00-11.00  Grand Round
11.00-12.00  Postpartum infections, Care, Lactation - Dr. Günalp
13.00-14.00  Pap Test, LAST Terminology and Bethesda - Dr. Usubütün
14.00-17.00  Outpatient Clinic and Ward Study

September 13, 2017 - Wednesday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-12.00  Outpatient Clinic and Ward Study
13.00-16.00  BOLOGNA

September 14, 2017 - Thursday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-11.00  Outpatient Clinic and Ward Study
11.00-12.00  PMS and Premenstrual Dysphoric Disorder - Dr. Mümüşoğlu
13.00-14.00  Genetic Counseling in Obstetric and Gynecology - Dr. Özgül
14.00-15.00  NST- BPP- Doppler - Dr. Örgül
15.00-17.00  Outpatient Clinic and Ward Study

September 15, 2017 - Friday
08.30-09.00  Clinical Practice
09.00-10.00  Bedside Training
10.00-11.00  Perinatal Care - Dr. Özyüncü
11.00-12.00  Gynecological Procedures - Dr. Gültekin
13.00-14.00  Perioperative care- Dr. Salman
14.00-17.00  Outpatient Clinic and Ward Study
September 18, 2017 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Urinary Tract Infections in Children, Voiding Dysfunction and Vesicourethral Reflux – Dr. Tekgül
10.00-11.00 Acute Scrotum and Anomalies of External Genitalium – Dr. Doğan
11.00-12.00 Hydronephrosis and Obstructive Uropathologies – Dr. Doğan
13.00-14.00 Endometrial Hyperplasia – Dr. Salman
14.00-17.00 Outpatient Clinic and Ward Study

September 19, 2017 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Treatment of Erectile Dysfunction, Infertility and Priapism – Dr. Güdeloğlu
14.00-15.00 Urinary Incontinence in Women / Etiology, Epidemiology, Diagnosis and Management – Dr. Ergen
15.00-17.00 Outpatient Clinic and Ward Study

September 20, 2017 - Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-14.00 Reproductive Physiology- Dr. Mümüşoğlu
14.00-16.00 BOLOGNA

September 21, 2017 - Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Management of Trauma in Genitourinary Tract – Dr. Eroğlu
10.00-11.00 Urinary Tract Infections and its Evaluation / Treatment – Dr. Huri
11.00-12.00 Sexually Transmitted Diseases (HSV, HPV, Acute Urethritis) – Dr. Gülüm
13.00-14.00 Obstetric Ultrasonography – Dr. Örgül
14.00-17.00 Outpatient Clinic and Ward Study

September 22, 2017 - Friday
08.30-09.00 Clinical Practice
09.00-10.00 Role of Urologist in Chronic Kidney Disease and Organ Transplantation – Dr. Aki
10.00-11.00 PSA, Benign Prostatic Hyperplasia and Prostate Cancer – Dr. Akdoğan
11.00-12.00 Evaluation of Hematuria, Urothelial Tumors – Dr. Akdoğan
13.00-14.00 Emergency Care and Intervention in Newborn – Dr. Çelik / Dr. Yiğit
September 25, 2017 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Renal Tumors / Evaluation of Testicular Mass - Dr. Özen / Dr. Yazıcı
10.00-11.00 Medical and Surgical Treatment of Urolithiasis - Dr. Bilen
11.00-12.00 Minimal Invasive Treatments in Urology - Dr. Bilen
13.00-14.00 Approach to Adnexal Masses - Dr. Salman
14.00-17.00 Outpatient Clinic and Ward Study

September 26, 2017 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Abnormal Uterine Bleeding - Dr. Tuncer
14.00-17.00 Outpatient Clinic and Ward Study

September 27, 2017 - Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-16.00 BOLOGNA

September 28, 2017 - Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 PCOS - Dr. Yarali
11.00-12.00 Sexually Transmitted Diseases and Vaginitis - Dr. Ö zgül
13.00-14.00 Pelvic Pain and Dysmenorrhea - Dr. Ö zgül
14.00-17.00 Outpatient Clinic and Ward Study

September 29, 2017 - Friday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Contraception - Dr. Özgül
11.00-12.00 Ectopic Pregnancy - Dr. Mümüşoğlu
13.00-14.00 Postpartum Bleeding - Dr. Esinler
14.00-17.00 Outpatient Clinic and Ward Study
October 02, 2017 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00- 11.00 Cervical Cancer - Dr. Yüce
11.00- 12.00 Hypertensive Disorders of Pregnancy - Dr. Deren
13.00- 14.00 Preinvasive Cervical Neop, Screening for Gynecologic Cancers - Dr. Tuncer
14.00- 17.00 Outpatient Clinic and Ward Study

October 03, 2017 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Third Trimester Bleeding - Dr. Deren
14.00-17.00 Outpatient Clinic and Ward Study

October 04, 2017 - Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-16.00 BOLOGNA

October 05, 2017 - Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00- 11.00 Prenatal Screening - Dr. Beksaç
11.00- 12.00 Early Pregnancy Complications - Dr. Beksaç
13.00- 14.00 IUGR - Dr. Özyüncü
14.00- 17.00 Outpatient Clinic and Ward Study

October 06, 2017 - Friday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00- 11.00 Premalignant Lesions of Vulva - Vaginal Cancer - Dr. Özgül
11.00- 12.00 Endometriosis - Dr. Bozdag
13.00- 14.00 Teratology - Dr. Kuru
14.00- 17.00 Outpatient Clinic and Ward Study
October 09, 2017 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Outpatient Clinic and Ward Study
11.00-12.00 Benign Disorders of the Fallopian tubes & Ovaries/ Intravaginal Sling Procedure - Dr. Tuncer
13.00-14.00 Epithelial Ovarian Tumors - Dr. Yüce
14.00-17.00 Outpatient Clinic and Ward Study

October 10, 2017 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Pelvic Relaxation - Dr. Günalp
14.00-17.00 Outpatient Clinic and Ward Study

October 11, 2017 - Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-16.00 BOLOGNA

October 12, 2017 - Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Outpatient Clinic and Ward Study
11.00-12.00 Early Membrane Rupture and Preterm Labor - Dr. Deren
13.00-14.00 Uterine Cancer - Dr. Tuncer
14.00-17.00 Outpatient Clinic and Ward Study

October 13, 2017 - Friday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Diabetes Mellitus and Pregnancy - Dr. Özyüncü
11.00-12.00 Vulvar Cancer - Dr Yüce
13.00-14.00 Stromal & Metastatic Tmrs of the Ovary & Tube Cancer - Dr. Salman
14.00-17.00 Outpatient Clinic and Ward Study
October 16, 2017 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Rh Isoimmunization - Dr. Özyüncü
11.00-12.00 Evaluation of infertile couple - Dr. Yaralı
13.00-14.00 Laparascopy - Dr. Esinler
14.00-17.00 Outpatient Clinic and Ward Study

October 17, 2017 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Cardiovascular Diseases and Pregnancy - Dr. Mümüşoğlu
14.00-17.00 Outpatient Clinic and Ward Study

October 18, 2017 - Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-16.00 BOLOGNA

October 19, 2017 - Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Hyperandrogenism and anovulation - Dr. Yaralı
11.00-12.00 Trophoblastic Diseases - Dr. Yüce
13.00-14.00 Multiple Pregnancy - Dr. Bozdağ
14.00-17.00 Outpatient Clinic and Ward Study

October 20, 2017 - Friday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Perinatal Surveillance - Dr. Beksaç
11.00-12.00 Mullerian Anomalies - Dr Bozdağ
13.00-14.00 Germ Cell Tumors of the Ovaries - Dr. Yüce
14.00-17.00 Outpatient Clinic and Ward Study
October 23, 2017 – Monday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00- 11.00 Ovulation Induction - Dr. Yarali
11.00- 12.00 Assisted Reproduction - Dr. Yarali
13.00- 14.00 Pregnancy Complicated by Cancer - Dr. Tuncer
14.00-17.00 Outpatient Clinic and Ward Study

October 24, 2017 – Tuesday
09.00-12.00 Grand Round
13.00-14.00 Vascular Disorders of the Placenta - Dr. Beksaç
14.00-17.00 Outpatient Clinic and Ward Study

October 25, 2017 – Wednesday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-16.00 BOLOGNA

October 26, 2017 – Thursday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-11.00 Outpatient Clinic and Ward Study
11.00- 12.00 Prenatal Diagnosis - Dr. Beksaç
13.00- 14.00 Ethics and Legal Aspects of Fetal Medicine - Dr. Beksaç
14.00-17.00 Outpatient Clinic and Ward Study

October 27, 2017 – Friday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00—11.00 Outpatient Clinic and Ward Study
11.00- 12.00 Male Infertility - Dr. Günalp
13.00- 14.00 Fertility Protection - Dr. Esinler
14.00-17.00 Outpatient Clinic and Ward Study
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| October 30, 2017 – Monday | 08.30-09.00  Clinical Practice  
09.00-10.00  Bedside Training  
10.00-11.00  Outpatient Clinic and Ward Study  
11.00-12.00  Dystocia – Dr. Deren  
13.00-14.00  Menopausal Transition and Menopause / HRT - Dr. Salman  
14.00-17.00  Outpatient Clinic and Ward Study |
| October 31, 2017 – Tuesday | 09.00-12.00  Grand Round  
13.00-14.00  Obstetric Analgesia and Anesthesia - Dr Kılıçaslan  
14.00-17.00  Outpatient Clinic and Ward Study |
| November 01, 2017 – Wednesday | 08.30-09.00  Clinical Practice  
09.00-10.00  Bedside Training  
10.00-12.00  Outpatient Clinic and Ward Study  
13.00-16.00  BOLOGNA |
| November 02, 2017 – Thursday | 08.30-09.00  Clinical Practice  
09.00-10.00  Bedside Training  
10.00-12.00  Outpatient Clinic and Ward Study  
13.00-14.00  Pediatric and Adolescent Gynecology – Dr. Derman  
14.00-17.00  Outpatient Clinic and Ward Study |
| November 03, 2017 – Friday | 08.30-09.00  Clinical Practice  
09.00-10.00  Bedside Training  
10.00-12.00  Outpatient Clinic and Ward Study  
13.00-14.00  Definition of Sexual Offenses - Dr. Tümer  
14.00-15.00  Medicolegal Aspects of Maternal Deaths- Dr. Tümer  
15.00-17.00  Outpatient Clinic and Ward Study |
| November 06, 2017 – Monday | 10.00-12.00  Written Examination (OB/GYN & UROLOGY) |
November 07, 2017 - Tuesday
Oral examination

November 08, 2017 - Wednesday
Oral examination

November 09, 2017 - Thursday
Holiday

November 10, 2017 - Friday
Holiday

J. LEARNING OBJECTIVES (KNOWLEDGE)

| Approach to the Patient | 1. History |
-Chief complaint
-Present illness
-Menstrual history
-Obstetric history
-Gynecologic history
-Contraceptive history
-Sexual history
-Family history
-Social history

2. Examination: Perform a painless ob/gyn examination as part of a general medical examination, including:
- Breast examination
- Abdominal examination
- Pelvic examination
- Recto-vaginal examination

3. Pap smear and cultures: Perform an adequate Pap smear:
- Obtain specimens to detect sexually transmitted diseases

**Normal Obstetrics**

1. Maternal-fetal Physiology
- Maternal physiologic and anatomic changes associated with pregnancy
- Physiologic function of the placenta and fetus

2. Preconception Care
- Genetic abnormalities, age, race
- Substance use and pregnancy
- Nutrition and exercise
- Medications and pregnancy
- Immunizations

3. Antepartum Care
- Assess gestation age
- Distinguish an at
- Risk pregnancy
- Assess fetal growth, well-being, and maturity
- Diagnostic studies (ultrasound, amniocentesis, chorionic villous sampling)

4. Intrapartum Care
- Characteristics of true and false labor
- Initial assessment of the laboring patient
- Stages of normal labor
- Pain management during labor
- Fetal monitoring
- Management of normal delivery
- Episiotomy, vaginal repair
- Operative delivery (vacuum, forceps, breech, cesarean)

5. Postpartum Care
- Normal maternal physiologic changes of the postpartum period
- Normal postpartum care
- Appropriate postpartum patient counseling

6. Lactation
- Physiologic and anatomic changes of the breast during pregnancy and the postpartum period
- Common postpartum abnormalities of the breast
- Why breast-feeding is encouraged
- Medications and breastfeeding
- Frequency, duration, inadequate production of milk

**Abnormal Obstetrics**

1. Ectopic Pregnancy
- Differential diagnosis of first-trimester bleeding
- Risk factors predisposing to ectopic
- Symptoms and physical findings suggestive of ectopic
- Methods and tests to confirm diagnosis of ectopic
- Treatment options

2. Spontaneous Abortion
- differential diagnosis of first-trimester bleeding
- signs of missed abortion
- complications of spontaneous abortion
- define recurrent abortion

3. Medical and Surgical Conditions in Pregnancy
- Anemia
- Diabetes mellitus
- Urinary tract disorders
- Infectious diseases (Herpes, Rubella, Group B Streptococcus, Hepatitis, HIV, HPV, and other STDs, Cytomegalovirus (CMV), Toxoplasmosis, Varicella and parvovirus)
- Cardiac disease
- Asthma
- Alcohol, tobacco and other substance abuse
- Surgical abdomen

4. Pre-eclampsia/Eclampsia
- Definitions and classification of hypertension in pregnancy
- Pathophysiology of pre-eclampsia
- Symptoms, physical findings and diagnostic methods
- Approach to management
- Maternal and fetal complications

5. Isoimmunization
- Red blood cell antigens
- Use of immunoglobulin prophylaxis during pregnancy
- Circumstances under which isoimmunization is likely to occur
- Methods to determine isoimmunization and severity of fetal involvement

6. Multifetal Gestation

7. Fetal Death
- Causes of fetal death in each trimester
- Symptoms, physical findings, and diagnostic methods to confirm the diagnosis
- Management of patient with fetal death
- Emotional reactions
- Maternal complications of fetal death, disseminated intravascular coagulopathy

8. Abnormal Labor
- Abnormal labor patterns
- Methods of evaluating fetopelvic disproportion
- Fetal and maternal complications resulting from abnormal labor
- Induction and augmentation of labor
- Management of abnormal fetal presentations
- Indications and risks for vaginal birth after cesarean (VBAC)
- Emergency management for shoulder dystocia, cord prolapse, breech

10. Third-trimester Bleeding
- Approach to patient with third trimester bleeding
- Differentiating patients with placenta previa, abruptio placenta, and other causes of third-trimester bleeding - Complications
of placenta previa and abruptio placenta
-Management of shock, indications for various components of blood products

11. Preterm Labor
- Predisposing factors
- Causes
- Management, including tocolytics, steroids, antibiotics

12. Premature Rupture of Membranes
- History, physical findings, and diagnostic methods to conform diagnosis
- Predisposing factors
- Expectant management vs. immediate delivery
- Methods to monitor maternal and fetal status during expectant management

13. Intrapartum Fetal Surveillance
- Auscultation
- Electronic fetal monitoring
- Fetal scalp sampling
- Amniotic fluid assessment

14. Postpartum Hemorrhage
- Risk factors
- Differential diagnosis
- Management, including: inspection for lacerations; use of uterine contractile agents; management of volume loss; management of coagulaopathy

15. Postpartum Infection
- Risk factors
- Infectious organisms
- Evaluation and management
- Indications for prophylactic antibiotics

16. Anxiety and Depression
- Normal emotional responses to pregnancy
- Signs and symptoms of postpartum depression
- Management of patients with psychiatric illness

17. Mortality
- Maternal death rate
- Fetal death rate
- Neonatal death rate
- Perinatal death rate

18. Post-term Pregnancy
- Normal period of gestation
- Complications of postmaturity
- Management of prolonged gestation

19. Fetal Growth Abnormalities
- Define macrosomia and fetal growth restriction
- Describe etiologies of abnormal growth - methods of detection of fetal growth abnormalities

General Gynecology
1. Contraception
- Hormonal methods; barrier methods; timed intercourse; IUD - basis of action of various methods of contraception
- Effectiveness
- Benefits and risks

2. Sterilization
- Methods of male and female sterilization
- Failure rates
- Reversibility

3. Abortion
- Surgical and non-surgical methods
- Complications - psychosocial considerations

4. Vulvar and Vaginal Disease
- normal vaginal appearance and secretions
- vaginitis due to bacteria, fungi, trichomonads, viruses, foreign bodies, atrophy
- dermatologic conditions of the vulva
- Bartholin’s gland disease
- Vulvodynia
- Trauma
- Vulvar vaginal intraepithelial neoplasia

5. Sexually Transmitted Infections
- Evaluation and management of Gonorrhea, Clamydia, Herpes simplex virus, Syphilis, Human papillomavirus infection, HIV, Hepatitis B infection.

6. Pelvic inflammatory diseases
- Pathogenesis
- Common organisms
- Signs, symptoms, and methods of diagnosis
- Treatment
- Sequelae, including tuboovarian abscess, chronic salpingitis, ectopic pregnancy, infertility

7. Pelvic Relaxation and Urinary Incontinence
- Risk factors for pelvic organ prolapse and incontinence
- Physical exam (cystocele, rectocele, enterocele, vaginal vault or uterine prolapse)
- Methods of diagnosis, including urine culture, post-void residual, cystoscopy, urodynamic testing
- Treatment options, including pessary, medications, reconstructive surgery

8. Endometriosis

- Theories of pathogenesis
- Symptoms and physical findings
- Methods of diagnosis
- Treatment options: Surgical and non-surgical

9. Chronic Pelvic Pain
- Definition: etiology
- Diagnostic procedures
- Management options

10. Uterine Leiomyomas and endometrial hyperplasia
- Myoma: Most common gynecologic neoplasm, often asymptomatic
- Prevalence
- Symptoms and physical findings
- Methods to confirm diagnosis
- Indications for treatment

Reproductive Endocrinology and Infertility

1. Puberty
- Normal puberty
- Physiologic events that take place in the hypo-thalamic pituitary-ovarian axis and their target organs, and the sequence and expected ages at which these changes occur.
- Abnormal puberty (characteristics, causes, and diagnostic approach to early or delayed puberty)

2. Amenorrhea
- Definitions of primary amenorrhea, secondary amenorrhea, and oligomenorrhea
- Causes of amenorrhea
- Evaluation and treatment options

3. Hirsutism and Virilization
- Definitions of hirsutism and virilization
4. Normal and Abnormal Uterine Bleeding
   - Endocrinology and physiology of the normal menstrual cycle
   - Causes
   - Evaluation
   - Therapy

5. Dysmenorrhea
   - Definition
   - Causes
   - Management strategy

6. Menopause
   - Physiologic changes in the hypothalamic-pituitary-ovarian axis
   - Symptoms and physical findings associated with hypoestrogenism
   - Management, including hormone therapy, nutrition and exercise, and non-hormonal therapeutic options
   - Risks and benefits of hormone replacement therapy

7. Infertility
   - Definition of primary and secondary infertility
   - Causes of male and female infertility
   - Evaluation and management
   - Psychosocial issues

8. Assisted reproductive technics
   - Evaluation of infertile couple
   - Definition of IVF, ICSI, IUI
   - Indications
   - Patient selection
   - Success rate of each technics

9. Ovulation induction
   - Define WHO group of infertility
   - Indications
   - Management in each group
   - Agents and their adverse affects

Gynecologic Oncology
1. Gestational Trophoblastic Neoplasia
   - Symptoms and physical findings
   - Diagnostic methods
   - Management and follow-up

2. Vulvar-Vaginal Neoplasms
   - Risk factors
   - Methods of diagnosis
   - Management

3. Cervical Disease and Neoplasia
   - Risk factors - symptoms, physical findings
   - Evaluation and management of patient with abnormal pap smear
   - Impact of staging on management and prognosis

4. Endometrial Carcinoma
   - Most common gynecologic malignancy
   - Risk factors
   - Symptoms and physical findings
   - Management of patient with postmenopausal bleeding
   - Methods to diagnose
   - Impact of staging on management and prognosis
   - Management

5. Ovarian Neoplasms
   - Evaluation of patient with adnexal mass
   - Characteristics of functional cysts, benign neoplasms, carcinomas
   - Evaluation and management of carcinomas of the ovary, including symptoms and physical findings, risk factors, histologic classification
   - Impact of staging on management and prognosis

-Success rates.
K. LEARNING OBJECTIVES (CLINICAL SKILLS)

Perform, at least once, each of the skills listed below:

I. OBSTETRICS
   a. Perform physical examination of the obstetrical patient.
   b. Properly perform a bladder catheterization on an obstetrical patient in the delivery room.
   c. Properly insert a venous catheter or needle for IV fluids.
   d. Properly scrub, gown and glove, and maintain sterile technique.
   e. Do an accurate vaginal examination on a patient in labor and delivery. Describe fetal position, station and cervical dilation and effacement.
   f. Perform a normal vaginal delivery with supervision.
   g. Perform an adequate midline episiotomy at the proper time with supervision.
   h. Properly repair a midline episiotomy with supervision and explain the principles of the repair.
   i. Assign proper Apgar scores to newborn infants.
   j. Perform, adequately, a bulb and DeLee suction of an infant with supervision.
   k. Properly clamp an cut the umbilical cord and obtain cord samples.
   l. Properly delivery the placenta and examine its surface.
   m. Following delivery of the placenta, properly evaluate the cervix and vagina for lacerations.
   n. Adequately assist during a Cesarean section.
   o. Write pre-delivery/postoperative-delivery order of the obstetrical patient

II. GYNECOLOGICAL SURGERY
   a. Perform physical examination of the gynecological surgical patient.
   b. Write preoperative/postoperative order of the gynecological surgical patient.
   b. Adequately assist during gynecological surgery.

II. AMBULATORY BASED OBSTETRICS AND GYNECOLOGY
   a. Perform physical examination of the gynecological patient
   b. Perform speculum examination
   c. Performing pap-smear test
   d. Performing bimanual pelvic examination
   e. Perform physical examination of the obstetrical patient
   f. Performing Leopold’s manuevers
   g. Measuring fundal height
   h. Listen fetal cardiac activity with fetoscope and doppler
<table>
<thead>
<tr>
<th><strong>Abbreviation</strong></th>
<th><strong>Definition</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TAH</strong></td>
<td>total abdominal hysterectomy</td>
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<tr>
<td><strong>BSO</strong></td>
<td>bilateral salpingo-oophorectomy</td>
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<tr>
<td><strong>USO</strong></td>
<td>unilateral salpingo-oophorectomy</td>
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<tr>
<td><strong>BPLND</strong></td>
<td>bilateral pelvic lymph node dissection</td>
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<tr>
<td><strong>PALND</strong></td>
<td>paraaortic lymph node dissection</td>
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<tr>
<td><strong>BPPALND</strong></td>
<td>bilateral pelvic- paraaortic lymph node dissection</td>
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<td><strong>SLL</strong></td>
<td>second look laparotomy</td>
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<td><strong>VH</strong></td>
<td>vaginal hysterectomy</td>
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<tr>
<td><strong>ÖAO</strong></td>
<td>anterior-posterior colporraphy</td>
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<tr>
<td><strong>KKP</strong></td>
<td>kelly-kennedy plication</td>
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<tr>
<td><strong>TVT</strong></td>
<td>tension-free vaginal tape</td>
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<tr>
<td><strong>IVS</strong></td>
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<td><strong>TOT</strong></td>
<td>transobturator tape</td>
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<td><strong>L/T</strong></td>
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<td><strong>KT</strong></td>
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<td><strong>RT</strong></td>
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<td><strong>PMK</strong></td>
<td>post-menopausal bleeding</td>
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<tr>
<td><strong>EH</strong></td>
<td>endometrial hyperplasia</td>
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<tr>
<td><strong>D&amp;C</strong></td>
<td>dilatation and curettage</td>
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<tr>
<td><strong>DJS</strong></td>
<td>double-J stent</td>
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<td><strong>GAAM</strong></td>
<td>examination under general anesthesia</td>
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<td><strong>HSG</strong></td>
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<td><strong>VAIN</strong></td>
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<tr>
<td><strong>VIN</strong></td>
<td>vulvar intraepithelial neoplasia</td>
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<tr>
<td><strong>ASCUS</strong></td>
<td>atypical squamous cells of undetermined significance</td>
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<tr>
<td><strong>AGUS</strong></td>
<td>atypical glandular cells</td>
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<tr>
<td><strong>LSIL</strong></td>
<td>low grade squamous intraepithelial lesion</td>
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<tr>
<td><strong>HSIL</strong></td>
<td>high grade squamous intraepithelial lesion</td>
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<tr>
<td><strong>AIS</strong></td>
<td>adenocarcinoma in situ</td>
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<tr>
<td>A/S</td>
<td>amniocentesis</td>
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<tr>
<td>AFD</td>
<td>acute fetal distress</td>
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<tr>
<td>AFP</td>
<td>alpha-feto protein</td>
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<tr>
<td>AST</td>
<td>low segment transverse incision</td>
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<tr>
<td>C/S</td>
<td>cesarean section</td>
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<tr>
<td>CPD</td>
<td>cephalo-pelvic disproportion</td>
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<tr>
<td>NST</td>
<td>non-stress test</td>
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<tr>
<td>CST</td>
<td>contraction-stress test</td>
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<td>DC</td>
<td>direct coombs</td>
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<tr>
<td>IDC</td>
<td>indirect coombs</td>
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<td>G</td>
<td>gravidity</td>
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<td>P</td>
<td>parity</td>
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<tr>
<td>A</td>
<td>abortion</td>
</tr>
<tr>
<td>GDM</td>
<td>gestational diabetes mellitus</td>
</tr>
<tr>
<td>ICSI</td>
<td>intracytoplasmic sperm injection</td>
</tr>
<tr>
<td>IUGR</td>
<td>intrauterine growth restriction</td>
</tr>
<tr>
<td>İAY</td>
<td>advanced maternal age</td>
</tr>
<tr>
<td>KOÖ</td>
<td>poor pregnancy history</td>
</tr>
<tr>
<td>DDA</td>
<td>low birthweight</td>
</tr>
<tr>
<td>SGA</td>
<td>small for gestational age</td>
</tr>
<tr>
<td>AGA</td>
<td>appropriate for gestational age</td>
</tr>
<tr>
<td>LGA</td>
<td>large for gestational age</td>
</tr>
<tr>
<td>MFPR</td>
<td>multifetal pregnancy reduction</td>
</tr>
<tr>
<td>NVYD</td>
<td>vaginal delivery</td>
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<tr>
<td>PIH</td>
<td>pregnancy-induced hypertension</td>
</tr>
<tr>
<td>PM</td>
<td>pelvic examination</td>
</tr>
<tr>
<td>PPROM</td>
<td>preterm premature rupture of membranes</td>
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<tr>
<td>TT</td>
<td>triple test</td>
</tr>
<tr>
<td>NT</td>
<td>nuchal translucency</td>
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PHASE IV OBSTETRICS AND GYNECOLOGY
CLERKSHIP PROGRAM OF PRACTICAL APPLICATIONS AND OBSERVATIONS

Name:
Number:

List of minimally required practical applications and observations:

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<tr>
<th>Outpatient clinic</th>
<th>Academic staff (signature)</th>
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<tbody>
<tr>
<td>Examination of the patient (app.)</td>
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<tr>
<td>Pap test (app.)</td>
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<tr>
<td>HSG (obs.)</td>
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<tr>
<td>Speculum insertion (app.)</td>
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<tr>
<td>UGS (Obstetric - gynecologic) (obs.)</td>
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<td>Colposcopy (obs.)</td>
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<td>Endometrial biopsy (obs.)</td>
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<tr>
<td>Follow-up at active labor (app.)</td>
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<tr>
<td>Fetal monitorization (obs.)</td>
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<td>Vaginal delivery (obs.)</td>
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<tr>
<td>C/S (obs.)</td>
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<td>Episiotomy (obs.)</td>
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<td>Laparoscopy (obs.)</td>
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<td>Hysterectomy (obs.)</td>
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<td>Abdominal</td>
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<td>Others (obs.)</td>
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<td>Oncologic surgery</td>
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<td>Follow-up of postnatal patient (app.)</td>
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<td>Follow-up of antenatal patient (app.)</td>
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<td>Care of perineum - episiotomy (app.)</td>
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<td>Blood sampling (app.)</td>
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<td>Urinary catheterization (app.)</td>
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