HACETTEPE UNIVERSITY
FACULTY OF MEDICINE

PHASE IV

OBSTETRICS AND GYNECOLOGY CLERKSHIP

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

JANUARY 29, 2018 - APRIL 06, 2018
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

This clerkship, which will last for ten weeks, consists of two separate parts. You will spend two weeks in Urology and eight weeks in Obstetrics and Gynecology. The Clerkship of Obstetrics and Gynecology 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 Obstetrics 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)
(Head of Maternal and Fetal Medicine Division)
Prof. Dr. M. Sinan Beksaç
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 Mümüşoğlu
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, Urodynamy 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
Uzm. Dr. Erdem Fadılaoğlu
Uzm.

Dr. Canan Ünal

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

2nd year postgraduates
Dr. Alican Güneş
Dr. Esra Uyanık
Dr. Nazlı Orhan
Dr. Aysel Abdullazade

1st year postgraduates
Dr. Özlem Çelik
Dr. Esra Karatash

Dr. Ecem Erçin

Uzm. Dr. Gökçen Örgül
Uzm. Dr. Oğuzhan Kuru
Uzm. Dr. Atakan Tanaçan
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Dr. Özlem Çelik
Dr. Esra Karatash

Dr. Ecem Erçin
E. CLERKSHIP PROGRAM

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. 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, delivery ward and urology 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

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<td>09.00-10.00</td>
<td>Dr. Salman</td>
<td>Dr. Günalp</td>
<td>Clinical Study</td>
<td>Dr. Özyüncü</td>
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<td>Dr. Gültekin</td>
<td>Clinical Study</td>
<td>Dr. Yüce</td>
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<td>Thursday</td>
<td>83</td>
<td>Dr. Tuncer</td>
<td>Dr. Beksaç</td>
<td>Clinical Study</td>
<td>Dr. Bozdağ</td>
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<tr>
<td>Friday</td>
<td>83</td>
<td>Dr. Esinler</td>
<td>Dr. Deren</td>
<td>Clinical Study</td>
<td>Dr. Yarali</td>
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### G. ROTATIONS

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<td>B</td>
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INTRODUCTION TO OBSTETRICS AND GYNECOLOGY

January 29, 2018 - Monday
08.30-09.00 Clinical Practice
09.00-10.00 Bedside Training
10.00-12.00 Outpatient Clinic and Ward Study
13.00-13.15 Introduction
13.15-14.00 Normal Labor and Delivery - Dr. Günsalp
14.00-15.00 Colposcopy - Dr. Yüce

January 30, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Symptoms and signs in Gynecology - Dr. Bozdağ
14.00-15.00 Amenorrhea - Dr. Mümuşoğlu
15.00-16.00 Ectopic Pregnancy - Dr. Mümuşoğlu

January 31, 2018 - 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

February 1, 2018 - 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 Pelvic Anatomy and Examination - Dr. Özgül
14.00-15.00 Pap Test, LAST Terminology and Bethesda - Dr. Usubütün
15.00-16.00 Perioperative care - Dr. Gültekin

February 2, 2018 - 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 Approach to Adnexal Masses - Dr. Salman

February 5, 2018 - Monday
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 Perinatal Care-Dr.Özyüncü
February 6, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Diabetes Mellitus and Pregnancy - Dr. Özyüncü
14.00-15.00 Cardiovascular Diseases and Pregnancy - Dr. Mümüşoğlu

February 7, 2018 - 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

February 8, 2018 - 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 Rh Isoimmunization - Dr. Özyüncü
14.00-15.00 Multiple Pregnancy - Dr. Tanaçan

February 9, 2018 - 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 Endometrial Hyperplasia and Endometrial Intraepithelial Neoplasia - Dr. Salman
14.00-15.00 Vulvar Cancer - Dr. Yüce

February 12, 2018 - Monday
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 Urinary Tract Infections in Children, Voiding Dysfunction and Vesicourethral Reflux - Dr. Tekgül
14.00-15.00 Acute Scrotum and Anomalies of External Genitalium - Dr. Doğan
15.00-16.00 Hydronephrosis and Obstructive Uropathologies - Dr. Doğan

February 13, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Abnormal Uterine Bleeding - Dr. Tuncer
14.00-15.00 Treatment of Erectile Dysfunction, Infertility and Priapism - Dr. Güdelopeğlu
February 14, 2018 - 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

February 15, 2018 - 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  Management of Trauma in Genitourinary Tract - Dr. Eroğlu
14.00- 15.00 Urinary Tract Infections and 1st Evaluationb / Treatment - Dr. Huri
15.00- 16.00 Sexually Transmitted Diseases (HSV, HPV, Acute Urethritis ) - Dr. Gülüm

February 16, 2018 - 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  Role of Urologist in Chronic Kidney Disease and Organ Transplantation - Dr. Aki
14.00- 15.00 PSA, Benign Prostatic Hyperplasia and Prostate Cancer - Dr. Akdoğan
15.00- 16.00 Evaluation of Hematuria , Urothelial Tumors - Dr. Akdoğan

February 19, 2018 - Monday
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  Renal Tumors / Evaluation of Testicular Mass - Dr. Özen / Dr. Yazıcı
14.00- 15.00 Medical and Surgical Treatment of Urolithiasis - Dr. Bilen
15.00- 16.00 Minimal Invasive Treatments in Urology - Dr. Bilen

February 20, 2018 - Tuesday
09.00-12.00  Grand Round
13.00-14.00  Benign Disorders of the Uterus - Dr. Tuncer
14.00-15.00  Urinary Incontinence in Women / Etiology, Epidemiology, Diagnosis and Management - Dr. Ergen

February 21, 2018 - 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
February 22, 2018 - 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 Uterine Cancer - Dr. Tuncer
14.00-15.00 Fertility Protection - Dr. Esinler

February 23, 2018 - 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 Stromal & Metastatic Tumors of the Ovary & Tube Cancer - Dr. Salman
14.00-15.00 Trophoblastic Diseases - Dr. Yüce
15.00-16.00 Teratology - Dr. Kuru

February 26, 2018 - Monday
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 Evaluation of Infertile Couple - Dr. Yaralı
14.00-15.00 Dystocia - Dr. Örgül

February 27, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Hyperandrogenism and Anovulation - Dr. Yaralı

February 28, 2018 - 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

March 1, 2018 - 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 Ovulation Induction - Dr. Yaralı
March 2, 2018 - 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  Menopausal Transition and Menopause / HRT - Dr. Salman
14.00-15.00  Germ Cell Tumors of the Ovaries - Dr. Yüce
15.00-16.00  Pregnancy Complicated by Cancer - Dr. Gültekin

March 5, 2018 - Monday
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  Preinvasive Cervical Neoplasia - Dr. Tuncer
14.00-15.00  Hysterectomy - Dr. Yüce

March 6, 2018 - Tuesday
09.00-12.00  Grand Round
13.00-14.00  PCOS - Dr. Yaralı

March 7, 2018 - 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

March 8, 2018 - 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  Contraception - Dr. Ö zgül
14.00-15.00  Sexually Transmitted Diseases and Vaginitis - Dr. Ö zgül
15.00-16.00  Premalignant Lesions of Vulva - Vaginal Cancer - Dr. Ö zgül

March 9, 2018 - 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  Endometriosis - Dr. Bozdağ
14.00-15.00  Cervical Cancer - Dr. Yüce

March 12, 2018 - Monday
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  Operative Delivery - Dr. Günalp
March 13, 2018 - Tuesday
09.00-12.00  Grand Round
13.00-14.00  Pelvic Relaxation - Dr. Günalp

March 14, 2018 - 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

March 15, 2018 - 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  Genetic Counseling in Gynecologic Cancers - Dr. Özugül

March 16, 2018 - 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  Mullerian Anomalies - Dr Bozdağ

March 19, 2018 - Monday
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  Male Infertility - Dr. Günalp

March 20, 2018 - Tuesday
09.00-12.00  Grand Round
13.00-14.00  Prenatal Screening - Dr. Beksaç

March 21, 2018 - 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
March 22, 2018 - 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 Early Pregnancy Complications - Dr. Beksaç
14.00-15.00 Postpartum Bleeding - Dr. Esinler

March 23, 2018 - 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 Perinatal Surveillance - Dr. Beksaç

March 26, 2018 - Monday
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 IUGR - Dr. Özyüncü
14.00-15.00 Epithelial Ovarian Tumors - Dr. Yüce

March 27, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Vascular Disorders of the Placenta - Dr. Beksaç

March 28, 2018 - 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

March 29, 2018 - 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 Prenatal Diagnosis - Dr. Beksaç
14.00-15.00 Laparascopy- Dr. Esinler

March 30, 2018 - 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 Obstetric Ultrasonography- NST- BPP- Doppler - Dr. Deren
14.00-15.00 Third Trimester Bleeding- Dr. Deren
15.00-16.00 Definition of Sexual Offenses - Dr. Tümer
April 2, 2018 - Monday
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 Hypertensive Disorders of Pregnancy - Dr. Deren
14.00-15.00 Early Membrane Rupture and Preterm Labor - Dr. Deren

April 3, 2018 - Tuesday
09.00-12.00 Grand Round
13.00-14.00 Ethics and Legal Aspects of Fetal Medicine - Dr. Beksaç

April 4, 2018 - 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

April 5, 2018 - 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 Benign Disorders of the Fallopian tubes & Ovaries/Intravaginal Sling Procedure- Dr. Tuncer

April 6, 2018 - 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 Assisted Reproduction - Dr. Yarali
14.00-15.00 Medical and Surgical Complications Caused by Pregnancy - Dr. Gültekin

April 9, 2018 - Monday
10.00-12.00 Written Examination (OB/GYN & UROLOGY )

April 10, 2018 - Tuesday
Oral examination

April 11, 2018 - Wednesday
Oral examination

April 12, 2018 - Thursday
Holiday

April 13, 2018 - 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 breast-feeding
   - Frequency, duration, inadequate production of milk back to top

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
   - Etiology of monozygotic, dizygotic and multizygotic gestation
   - Altered physiologic state with multifetal gestation
   - Symptoms, physical findings, and diagnostic methods
   - Antepartum, intrapartum, and postpartum management

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

9. Third-trimester Bleeding
   - Approach to patient with third trimester bleeding
   - Differentiating patients with placenta previa, abruptio placenta, and other causes of third-
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

1. 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
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, Chlamydia, 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 (cystocoele, rectocoele, 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

- Success rates.

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
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 deliver 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.
c. 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 manoeuvres
g. Measuring fundal height
h. Listen fetal cardiac activity with fetoscope and doppler
L. ABBREVIATIONS (GYNECOLOGY)

- TAH  total abdominal hysterectomy
- BSO  bilateral salpingo-oophorectomy
- USO  unilateral salpingo-oophorectomy
- BPLND bilateral pelvic lymph node dissection
- PALND paraaortic lymph node dissection
- BPPALND bilateral pelvic-paraaortic lymph node dissection
- SLL  second look laparotomy
- VH   vaginal hysterectomy
- ÖAO  anterior-posterior colporrhaphy
- KKP  kelly-kennedy plication
- TVT  tension-free vaginal tape
- IVS  intravaginal slingplasty
- TOT  transobturator tape
- L/T  laparotomy
- L/S  laparoscopy
- T/L  tubal ligation
- H/S  hysteroscopy
- KT   chemotherapy
- RT   radiotherapy
- PMK  post-menopausal bleeding
- EH   endometrial hyperplasia
- D&C  dilatation and curettage
- DJS  double-J stent
- GAAM examination under general anesthesia
- HSG  hysterosalpingography
- CIN  cervical intraepithelial neoplasia
- VAIN  vaginal intraepithelial neoplasia
- VIN  vulvar intraepithelial neoplasia
- ASCUS atypical squamous cells of undetermined significance
- AGUS atypical glandular cells
- LSIL  low grade squamous intraepithelial lesion
- HSIL  high grade squamous intraepithelial lesion
- AIS  adenocarcinoma in situ
### Abbreviations (Obstetrics)

- **A/S**: amniocentesis
- **AFD**: acute fetal distress
- **AFP**: alpha-feto protein
- **AST**: low segment transverse incision
- **C/S**: cesarean section
- **CPD**: cephalo-pelvic disproportion
- **NST**: non-stress test
- **CST**: contraction-stress test
- **DC**: direct coombs
- **IDC**: indirect coombs
- **G**: gravidity
- **P**: parity
- **A**: abortion
- **GDM**: gestational diabetes mellitus
- **ICSI**: intracytoplasmic sperm injection
- **IUGR**: intrauterine growth restriction
- **IAM**: advanced maternal age
- **KOÖ**: poor pregnancy history
- **DDA**: low birthweight
- **SGA**: small for gestational age
- **AGA**: appropriate for gestational age
- **LGA**: large for gestational age
- **MFPR**: multifetal pregnancy reduction
- **NVVD**: vaginal delivery
- **PIH**: pregnancy-induced hypertension
- **PM**: pelvic examination
- **PPROM**: preterm premature rupture of membranes
- **TT**: triple test
- **NT**: nuchal translucency
## List of minimally required practical applications and observations:

<table>
<thead>
<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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<td>HSG (obs.)</td>
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<td>Speculum insertion (app.)</td>
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<td>Endometrial biopsy (obs.)</td>
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### 81 - Delivery room

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<tr>
<td>Follow-up at active labor (app.)</td>
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<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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### 81 - Operating room

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<tr>
<td>D&amp;C (obs.)</td>
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<tr>
<td>Hysterectomy (obs.)</td>
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<tr>
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<tr>
<td>Abdominal</td>
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<td>Others (obs.)</td>
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<td>Oncologic surgery</td>
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### 82 - Obstetrics service

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<tr>
<td>Follow-up of antenatal patient (app.)</td>
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<td>Care of perineum - episiotomy (app.)</td>
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### 83 - Gynecology service

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<td>Blood sampling (app.)</td>
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<td>Iv. fluid administration (app.)</td>
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<tr>
<td>Wound dressing (app.)</td>
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<td>Urinary catheterization (app.)</td>
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