

# O B S T E T R I C S

## 1-Pregnancy Complications:

- Early pregnancy loss
- Premature Rupture Of fetal Membranes
- Pre-term labor
- Prolonged pregnancy
- Hypertensive disorders in pregnancy
- Ante-partum hemorrhage
- Diseases of fetal membranes & placenta

## 2- Medical Disorders affecting Pregnancy:

- Diabetes mellitus with pregnancy
- Cardiovascular diseases with pregnancy
- Anemias & Disorders of the hemostatic system
- Renal Diseases with pregnancy
- Thyroid disorders & other endocrine disease with pregnancy
- Gastro-intestinal disorders and pregnancy
- Collagen diseases and pregnancy
- Chest diseases and pregnancy
- Neuro-psychiatric disorders and pregnancy
- Dermatological disorders and pregnancy
- Neoplastic tumors and pregnancy
- Surgical disorders [ trauma & pregnancy]

## 3- Antenatal Care:

- Antepartum surveillance of high-risk pregnancy
- Pre-conceptual evaluation of high-risk pregnancy
- Antenatal screening of fetal anomalies
- Teratology in human pregnancy
- Vaccination during pregnancy
- Standardization of antenatal follow-up visits

## 4-Perinatal Medicine:

- Multi-fetal pregnancy
- Fetal hydrops
- Intrauterine growth restriction [IUGR]
- Congenital infections
- Fetal imaging & fetal dismorphology
- Fetal diagnosis & fetal therapy
- Birth asphyxia & intrapartum fetal surveillance
- Diseases & injuries of the fetus-newborn

## 5-Normal and Abnormal Labor

- Anatomy of the female pelvis & fetal skull
- Fetomaternal relationships
- Physiology & clinical course of labor
- Management of normal labor

- Active management of labor
- The partogram; Prolonged labor, precipitate labor
- Malpresentations and malpositions: [occiput posterior, face, brow, breech, shoulder, cord prolapse & presentation, complex presentation]
- Abnormal uterine action
- Dystochia : [obstructed labor, soft tissue obstruction]
- Contracted pelvis
- Complications of the 3<sup>rd</sup> stage of labor: [ postpartum hemorrhage, acute inversion of the uterus, postpartum collapse]
- The puerperium

### 6-Operative Obstetrics

- Induction of labor
- Induction of abortion
- Version
- Forceps delivery
- Vacuum extraction
- Maternal obstetric injuries: [Perineal lacerations, cervical tears]
- Rupture uterus
- Cesarean section & cesarean hysterectomy
- VBAC [vaginal birth after cesarean]
- Symphysiotomy
- Shoulder dystochia
- Management of Massive obstetric hemorrhage

### 7-Separate subjects

- Blood transfusion in obstetrics
- Anuria in obstetrics
- Cloning for medicine
- Imaging in obstetrics
- Cytokines in obstetrics & gynecology
- Obstetric analgesia & anesthesia
- Maternal mortality
- Amniotic fluid embolism
- Perinatal mortality.

# GYNECOLOGY

## 1-GYNECOLOGICAL ANATOMY

- The pelvis & pelvic organs
- The perineum

## 2-GYNECOLOGIC ENDOCRINOLOGY

- **Reproductive physiology:**
  - Hypothalamo-pituitary-ovarian-uterine axis
  - Hormone biosynthesis & mechanism of action
  - Hormone receptors & antihormones.
  - Endocrinology of pregnancy & parturition
- **Clinical Endocrinology:**
  - Androgen excess in female ( hirsutism)
  - Intersexuality
  - Precocious puberty
  - Amenorrhea
  - Galactorrhea & hyperprolactinemia
  - Anovulation & polycystic ovarian disease
  - Menstrual disorders
  - Dysfunctional uterine bleeding
  - Menopause & perimenopause
  - Postmenopausal hormone replacement therapy
  - The female breast
  - Obesity
  - Reproduction & the thyroid

## 3- INFERTILITY & ASSISSTED REPRODUCTION

- Female infertility- an overview
- Endometriosis
- Male infertility
- Induction of ovulation
- Assisted reproduction
- Ectopic pregnancy

## 4- CONTRACEPTION

- Family planning- an overview
- Oral contraception
- Long-acting methods of contraception
- The intrauterine device [IUD]
- Barrier methods
- Sterilization
- Postcoital contraception & emergency contraception
- Male methods of contraception

## **5-UROGYNECOLOGY**

- Urinary incontinence: [urodynamics, genuine stress incontinence, urge incontinence]
- Genito-urinary fistulas:[VVF, UVF, others]
- Ureteric injuries during gynecologic surgery
- Evaluation of patient with fecal incontinence
- Recto-vaginal fistula
- Pelvic organ prolapse (POP):

- Surgical anatomy of prolapse
- Etiology of prolapse
- Classifications of prolapse
- Diagnosis of prolapse
- Treatment of prolapse: non-surgical, surgical
- Vault prolapse
- Recurrent prolapse
- Vaginal hysterectomy

- Retroverted flexed uterus [RVF]
- Chorionic uterine inversion
- Other types of displacements.

## **6- GYNECOLOGIC ONCOLOGY**

- General consideration
- The ovary & fallopian tube
- The uterus
- The cervix
- The vagina
- The vulva
- Molecular biology of gynecologic malignancy
- Therapeutic modalities of gynecologic malignancy:
  - Surgery
  - Radiotherapy
  - Chemotherapy
  - Immunotherapy
  - Gene therapy
  - Combined treatment.
  - Palliation of gynecological malignancy.

## **7- Gynecologic Infections**

- Sexually transmitted disease
- Pelvic inflammatory disease & pelvic abscess
- Chronic specific infections: TB, Bilharziasis,others