

**SUBJECT: OBSTETRICS****GYNÆ UNIT-I****Physiology of Pregnancy**

- Diagnosis of pregnancy
- Conception, implantation of placenta
- Physiological changes associated with pregnancy

**Miscellaneous Medical Disorders in Pregnancy**

- Epilepsy
- Migraine
- Thyroid diseases
- Respiratory disorders
- Auto immune disease

**Abnormal Labor**

- Awareness of complications and management
- Instrumental vaginal delivery
  - Forceps delivery
  - Ventouse delivery
- Episiotomy
- Perineal trauma
- Cesarean section
- Prolonged labor
  - Causes
  - Management
- Obstructed labor / ruptured uterus
  - Causes
  - Management
- Complications of 3<sup>rd</sup> stage of labour
- PPH (Primary & Secondary)
  - Causes
  - Management
- Uterine inversion
- Obstetrics shock and unconscious patient

**New Born Care**

- Essential newborn care
- Observe the immediate assessment, apgar score and resuscitation of newborn care
- Breast feeding and its importance
- N e o n a t a l p r o b l e m s

**GYNÆ UNIT-II****Anatomy of Fetal Skull and Maternal Bony Pelvis**

- Anatomy of fetal skull and maternal bony pelvis
- Abnormalities of bony pelvis

**Perinatal Infections**

- Syphilis
- Toxoplasmosis
- Cytomegalovirus
- Rubella
- Varicella zoster
- Malaria
- U r i n a r y t r a c t i n f e c t i o n

- Bacterial infections
- Herpes simplex viral infections
- Chlamydia, Gonorrhea
- Trichomoniasis
- Genital warts
- HIV, Aids
- Hepatitis

#### **Puerperium**

- Normal Puerperium -Physiological changes
- Abnormal Puerperium ○ Puerperal disorders & Puerperal pyrexia
- The breasts and breast disorders
- Contraception (post-partum)
- Maternal and Perinatal mortality

#### **Ethics in Obstetrics Practice**

- Ethics and Legal issues in obstetrics

### **GYNAE UNIT-III**

#### **Normal Pregnancy**

- Pre-pregnancy care and antenatal care
- Imaging in obstetrics
- Pre-natal diagnosis
- Essential drugs and immunization with dosage and estimated need for pregnancy, child birth and newborn

#### **Abnormal Pregnancy**

- Bleeding in early pregnancy
  - Abortion
  - Ectopic pregnancy
  - Gestational trophoblastic disease
- Bleeding in 2<sup>nd</sup> half of pregnancy
  - Ante partum hemorrhage
    - Placenta previa
    - Abruptio placentae
    - Vasa previa
- Polyhydroamnios
- Intra uterine fetal death
- Mal-presentation and position
  - Breech presentation
  - Transverse lie and shoulder presentation
  - Face presentation
  - Brow presentation
- Cord prolapse

#### **Normal Labor**

- Physiology
- Mechanism
- Diagnosis
- Management of labor
- Structure and use of partograph
- Intra partum fetal monitoring
  - Fetal heart rate monitoring

○ F e t a l s c a l p s a m p l i n g

- Methods of induction and augmentation of labor
  - Indications
  - Contraindications
  - Complications
- Analgesia and anesthesia
- Management of 3<sup>rd</sup> stage of labor

### **GYNAE UNIT-IV**

#### **Basic Clinical Skills**

- Logical sequence of eliciting history from an obstetric patient
- Clinical examination by videos
- Interpretation of investigations
- Effective verbal and non-verbal communication

#### **High Risk Pregnancy**

- Identify a high risk pregnancy
- IUGR and fetal monitoring
- Prolonged pregnancy
- Multiple pregnancy
- Hyperemesis gravidarum
- Diabetes in pregnancy
- Hypertensive disorders of pregnancy
  - PIH
  - Pre-eclampsia
  - Eclampsia
  - Essential HTN
- Chronic renal diseases
- Cardiac diseases in pregnancy
- Liver diseases in pregnancy
- Hematological disorders of pregnancy
  - Anemia in pregnancy
  - ISO immunization
  - Thrombocytopenia and thrombophillias
  - Coagulation and fibrinolytic disorders

**SUBJECT: GYNAECOLOGY****GYNAE UNIT-I****Sexual and Reproductive Health** -Contraception and sterilization**Sub Fertility**

- Subfertility, causes, management. Ethics and values in ART
- Endometriosis and Adenomyosis

**GYNAE UNIT-II****Basic Clinical Skills**

- Introduction, gynecological history taking
- Clinical examination by video
- Anatomy of female genital tract
- Development of female genital tract
- Puberty and adolescence
- Ovulation and its legal importance
- Physiology of menstrual cycle
- Menstrual disorders
- Abnormal menstruation

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- Amenorrhea
  - Primary and Secondary amenorrhea
- Polycystic ovarian disease
- Hirsutism / virilism

### **Gynecological Oncology**

- Conditions affecting vulva and vagina
  - Benign conditions of vulva
  - VIN and invasive vulval carcinoma
  - Benign conditions of vagina
  - VIAN and vaginal carcinoma
- Condition affecting cervix, uterus, ovarian and fallopian tubes
  - Benign conditions of cervix
  - CIN and invasive carcinoma of cervix
  - Benign conditions of uterus
  - Malignant disease of uterus
  - Benign tumor of ovaries
  - Cancer of ovaries
  - Cancer of fallopian tubes
- Chemotherapy for gynecological cancers and GTDs and radiotherapy

## **GYNAE UNIT-III**

### **Sexual and Reproductive Health**

- Introducing the sexual history taking
- Infections of female genital tract
- Management of lower abdominal pain
- Acute pelvic inflammatory disease (PID)
- Chronic PID
- Sexually transmitted infections (STIs) including HIV/AIDS
  - Screening, Management and Prevention of STIs
- Iatrogenic infections of female reproductive tract
- Reproductive tract infection in male
- Awareness of psycho sexual problems
- Vaginal discharge
- Menopause **Medico legal**

### **aspects of Gynecology**

- Litigation and consents

## **GYNAE UNIT-IV**

### **Urogynaecology and Pelvic Floor Problems**

- Utero vaginal prolapse
- Urinary incontinence
  - Stress incontinence
  - Urge incontinence
- Urinary frequency
- Urinary tract infections
- Urinary fistulae

**Common Gynecological Operations**

- Common gynecological procedures
  - Hysteroscopy
  - Laparoscopy
  - Cystoscopy
  - Dilatation and curettage
  - Abdominal and vaginal hysterectomy
  - Myomectomy
- Pre-operative preparations
- Post-operative complications and its management

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