

# CONTENTS

## Part 1: Obstetrics

### Section 1: General Obstetrics

1.1: Reproductive System .....	5
1.2: Embryology .....	11
1.3: Anatomical Changes During Pregnancy.....	29
1.4: Physiological Changes During Pregnancy.....	32
1.5: Antenatal Assessment .....	36
1.6: Lifestyle Changes During Pregnancy.....	49
1.7: Lactation .....	50

### Section 2: Labor and Delivery

2.1: Female Pelvis .....	58
2.2: Fetal Skull.....	65
2.3: Obstetric Examination .....	69
2.4: Normal Labor.....	78
2.5: Abnormal Labor .....	87
2.6: Normal Vaginal Delivery.....	89
2.7: Labor Analgesia .....	92
2.8: Breech Vaginal Delivery .....	94
2.9: Transverse Lie.....	100
2.10: Abnormal Positions .....	102
2.11: Fetal Monitoring Using Cardiotocography .....	110
2.12: Obstetric Maneuvers .....	118
2.13: Cesarean Delivery.....	122
2.14: Instrumental Delivery .....	126
2.15: Obstetric Hysterectomy.....	135
2.16: Intrauterine Fetal Death .....	137

### Section 3: Early Pregnancy Complications

3.1: Ectopic Pregnancy .....	141
3.2: Hydatidiform Mole .....	150
3.3: Miscarriage.....	154
3.4: Cervical Incompetence .....	159
3.5: Medical Termination of Pregnancy Using Vacuum Aspiration .....	163
3.6: Medical Termination of Pregnancy .....	168

### Section 4: Complications of Pregnancy

4.1: Multifetal Gestation.....	176
4.2: Antepartum Hemorrhage .....	190
4.3: Rh Negative Pregnancy .....	196
4.4: Intrauterine Growth Retardation .....	199
4.5: Amniotic Fluid and its Abnormalities.....	203
4.6: Preterm Baby .....	208
4.7: Post-term Pregnancy .....	214

<b>Section 5: Medical Conditions During Pregnancy</b>	
5.1: Anemia in Pregnancy.....	226
5.2: Hypertensive Disorders of Pregnancy.....	230
5.3: Gestational Diabetes .....	233
5.4: Heart Disease During Pregnancy .....	237
5.5: Thyroid Disorders During Pregnancy .....	240
5.6: Asthma and Pregnancy .....	241
5.7: Tuberculosis in Pregnancy .....	242
<b>Section 6: Postnatal Period</b>	
6.1: Lactation .....	248
6.2: Abnormalities of Lactation .....	248
6.3: Puerperium.....	250
6.4: Complications of Puerperium.....	252
6.5: Injuries to the Birth Canal.....	257
6.6: Episiotomy .....	260
6.7: Placenta and its Abnormalities.....	261
6.8: Umbilical Cord.....	265
6.9: Postpartum Hemorrhage .....	266
6.10: Uterine Rupture .....	272
6.11: Uterine Inversion .....	273
6.12: Newborn Infant and its Care .....	274
<b>Section 7: Imaging in Obstetrics</b>	
7.1: Instrumentation .....	286
7.2: Technique.....	287
7.3: Normal Anatomy on Ultrasound .....	289
7.4: Early Pregnancy Scanning.....	291
7.5: Normal Third Trimester Pregnancy Scan .....	294
7.6: Three-Dimensional Imaging .....	301
7.7: Doppler Ultrasound .....	308
7.8: Congenital Abnormalities .....	315
7.9: Case Studies in Obstetrics.....	320
<b>Part 2: Gynecology</b>	
<b>Section 8: General Gynecology</b>	
8.1: Gynecological Anatomy.....	328
8.2: Gynecological Examination .....	335
8.3: Menstrual Cycle .....	346
8.4: Principles of Surgery .....	349
8.5: Adolescent and Pediatric Gynecology.....	356
8.6: Tuberculosis.....	360
<b>Section 9: Menstrual Disorders</b>	
9.1: Abnormal Menstrual Bleeding .....	365
9.2: Dysfunctional Uterine Bleeding.....	371
9.3: Dysmenorrhea .....	371

9.4: Premenstrual Syndrome.....	373
9.5: Postmenopausal Bleeding.....	374
9.6: Treatment of Menstrual Disorders.....	375
9.7: Menopause .....	378
9.8: Müllerian Abnormalities .....	384
9.9: Amenorrhea.....	387

### Section 10: Benign Tumors of Genital Tract

10.1: Fibroids.....	397
10.2: Benign Ovarian Lesions .....	408
10.3: Cervical Lesions .....	413
10.4: Vulvar Lesions.....	415
10.5: Benign Breast Disease.....	418

### Section 11: Malignancies of Genital Tract

11.1: Endometrial Cancer .....	427
11.2: Leiomyosarcoma .....	432
11.3: Ovarian Cancer.....	433
11.4: Cervical Intraepithelial Neoplasia.....	437
11.5: Invasive Cancer of the Cervix.....	446
11.6: Vulvar Cancer .....	450
11.7: Cancer of the Fallopian Tubes .....	453
11.8: Breast Cancer.....	453

### Section 12: Uterus

12.1: Uterine Prolapse.....	464
12.2: Uterine Retroversion .....	477
12.3: Adenomyosis.....	478
12.4: Uterine Malformations .....	479
12.5: Hysterectomy.....	486
12.6: Genitourinary Fistulae .....	501
12.7: Urinary Incontinence.....	504
12.8: Hysteroscopy .....	506
12.9: Laparoscopy .....	509
12.10: Robotic Surgery .....	513

### Section 13: Abnormalities in Conception

13.1: Causes of Infertility .....	521
13.2: Diagnosis of Infertility.....	522
13.3: Assisted Reproductive Techniques For Treatment of Infertility .....	526
13.4: Surgery For Treatment of Infertility.....	531
13.5: Polycystic Ovarian Disease .....	534
13.6: Hirsutism .....	538
13.7: Endometriosis.....	541

### Section 14: Infections of the Genital Tract

14.1: Vaginal Discharge .....	549
14.2: Sexually Transmitted Diseases.....	553
14.3: Pelvic Inflammatory Diseases .....	557

**Section 15: Contraception**

15.1: Contraception.....	565
15.2: Temporary Methods of Contraception .....	566
15.3: Method of Copper-T Insertion .....	576
15.4: Insertion of Mirena.....	578
15.5: Permanent Methods of Female Contraception .....	580

MSAFP	Maternal Serum Alpha Fetoprotein	ROT	Right Occiput Transverse
MTP	Medical Termination of Pregnancy	RSA	Right Sacroanterior
NAAT	Nucleic Acid Amplification Test	RSP	Right Sacroposterior
NICU	Neonatal Intensive Care Unit	RST	Right Sacrotransverse
NSAID	Nonsteroidal Anti-Inflammatory Drug	rT3	Reverse T3
NST	Nonstress Test	SERM	Selective Estrogen Receptor Modulator
NYHA	New York Heart Association	SFH	Symphysis-Fundal Height
OCP	Oral Contraceptive Pill	SGA	Small for Gestational Age
OFD	Occipitofrontal Diameter	SHBG	Serum Hormone Binding Globulin
OGTT	Oral Glucose Tolerance Test	SIS	Saline Infusion Sonography
OHSS	Ovarian Hyperstimulation Syndrome	SOGC	Society of Obstetricians and Gynaecologists of Canada
OPD	Out-Patient Department	STD	Sexually Transmitted Disease
PCOD	Polyclastic Ovarian Disease	STI	Sexually Transmitted Infection
PCOS	Polyclastic Ovarian Syndrome	SUI	Stress Urinary Incontinence
PEFR	Peak Expiratory Flow Rate	TAH	Total Abdominal Hysterectomy
PHM	Partial Hydatidiform Mole	TAS	Transabdominal Sonography
PID	Pelvic Inflammatory Disease	TBG	Thyroid Binding Globulin
PMS	Premenstrual Syndrome	TCD	Transverse Cerebellar Diameter
PNDT	Prenatal Diagnostic Techniques	TCRE	Transcervical Resection of Endometrium
POC	Products of Conception	TNF	Tumor Necrosis Factor
POG	Period of Gestation	TNM	Tumor, Node, Metastases
POI	Progesterogen Only Injectable	TOA	Tubo-ovarian Abscess
POP	Progesterogen Only Pill	TORCH	Toxoplasma, Other viruses, Rubella, Cytomegalovirus, Herpes virus
PP	Postprandial	TRAP	Twin Reversed Arterial Perfusion
PPH	Postpartum Hemorrhage	TRH	Thyroid Releasing Hormone
PROM	Premature Rupture of Membranes	TSH	Thyroid Stimulating Hormone
PSTT	Placental Site Trophoblastic Tumor	TTS	Twin-to-Twin Transfusion Syndrome
PUBS	Percutaneous Umbilical Cord Blood Sampling	TVS	Transvaginal Sonography
RCOG	Royal College of Obstetricians and Gynaecologists	UGF	Urogenital Fistula
RDW	Red Cell Distribution Width	USDA	United States Department of Agriculture
REM	Rapid Eye Movement	USPTF	United States Preventive Task Force
RMA	Right Mentoanterior	UTI	Urinary Tract Infection
RMP	Right Mentoposterior	VBAC	Vaginal Birth after Cesarean (Section)
RMT	Right Mentotransverse	V-V	Vein-to-Vein
ROA	Right Occiput Anterior	VVC	Vulvovaginal Candidiasis
ROM	Rupture of Membranes	VVF	Vesicovaginal Fistula
ROP	Right Occiput Posterior		