

Contents

Chapter 1	Anatomy of the Female Pelvic Organs	1-19
External Genital Organs	1	
Internal Genital Organs	3	
Other Internal Organs.....	11	
Pelvic Muscles	13	
Perineum	15	
Pelvic Fascia and Cellular Tissue.....	17	
Ligaments.....	18	
Applied Anatomy.....	19	
Chapter 2	Blood Vessels, Lymphatic Drainage and Innervation of Pelvic Organ	20-25
Pelvic Blood Vessels	20	
Pelvic Lymphatics and Lymph Nodes.....	22	
Pelvic Nerves	24	
Chapter 3	Development of Genital Organs and Gonads	26-31
Development of External Genital Organs.....	26	
Development of Internal Genital Organs.....	27	
Male and Female Embryonic Structures	30	
Chapter 4	Congenital Malformation of Female Genital Organs	32-38
Developmental Anomalies of External Genitalia	32	
Vaginal Anomalies.....	32	
Uterine Anomalies.....	35	
Other Abnormalities.....	37	
Chapter 5	Puberty—Normal and Abnormal	39-45
Endocrinology in Puberty.....	39	
Common Disorders of Puberty.....	40	
Chapter 6	Menopause	46-52
Menopause	46	
Abnormal Menopause	52	
Chapter 7	Neuroendocrinology in Relation to Reproduction—Dr B N Chakravorty	53-65
Chapter 8	Menstruation—Dr B N Chakravorty	66-79
Chapter 9	Examination of a Gynecological Patient and the Diagnostic Procedures	80-96
History	80	
Examination.....	81	

General and Systemic Examination	81
Gynecological Examination	81
Diagnostic Procedures.....	88
Chapter 10 Imaging Techniques, other Diagnostic Procedures and Laser in Gynecology	97-104
Imaging Techniques in Gynecology.....	97
Other Diagnostic Procedures in Gynecology	101
Laser in Gynecology	103
Chapter 11 Pelvic Infection	105-119
Defence of the Genital Tract	105
Acute Pelvic Infection.....	106
Chronic Pelvic Infection.....	112
Genital Tuberculosis	113
Actinomyces Infection	118
Chapter 12 Sexually Transmitted Infections	120-130
Chapter 13 Infections of the Individual Pelvic Organ	131-145
Vulvar Infection	131
Infections of Bartholin's Gland	132
Vaginal Infection	133
Cervicitis.....	136
Endometritis	137
Pyometra	138
Salpingitis	138
Oophoritis	141
Parametritis.....	142
Pelvic Abscess	143
Chapter 14 Dysmenorrhea and other Disorders of Menstrual Cycles	146-151
Dysmenorrhea.....	146
Premenstrual Syndrome (PMS).....	149
Chapter 15 Abnormal Uterine Bleeding (AUB)	152-162
Patterns of Abnormal Uterine Bleeding	152
Dysfunctional Uterine Bleeding (DUB)	154
Abnormal Uterine Bleeding (AUB) with PALM-COEIN	159
Chapter 16 Displacement of the Uterus	163-185
Retroversion	163
Pelvic Organ Prolapse (POP)	165
Chronic Inversion.....	183
Chapter 17 Infertility—Dr B N Chakravorty	186-209
Definition.....	186
Causes.....	186

Investigations.....	189
Treatment.....	197
Assisted Reproductive Technologies (ART).....	204
Micromanipulation	206
Gestational Carrier Surrogacy	207
Prognosis of Infertility.....	207
Chapter 18 Benign Lesions of the Vulva and Vagina	210-216
Vulvar Epithelial Disorders	210
Vulvar Ulcers.....	212
Miscellaneous Swellings	214
Benign Tumors of the Vulva.....	214
Vaginal Wall Cysts	214
Vulvar Pain Syndrome.....	215
Chapter 19 Benign Lesions of the Cervix	217-220
Cervical Ectopy (Erosion)	217
Eversion (Ectropion).....	218
Cervical Tear.....	218
Cervical Cysts.....	219
Elongation of the Cervix.....	219
Chapter 20 Benign Lesions of the Uterus	221-234
Fibroid Uterus	221
Polyps.....	231
Chapter 21 Benign Lesions of the Ovary	235-247
Ovarian Enlargement	235
Non-neoplastic	235
Benign Ovarian Neoplasm	237
Borderline Epithelial Tumors	246
Parovarian Cyst.....	246
Chapter 22 Endometriosis and Adenomyosis	248-259
Endometriosis	248
Adenomyosis.....	256
Chapter 23 Premalignant Lesions	260-273
Premalignant Vulvar Lesions	260
Vaginal Intraepithelial Neoplasia (VaIN).....	261
Cervical Intraepithelial Neoplasia (CIN)	262
Premalignant Endometrial Lesion	270
Chapter 24 Genital Malignancy	274-323
General Considerations	274
Vulvar Carcinoma.....	274
Vaginal Carcinoma	278
Carcinoma Cervix.....	280

Endometrial Carcinoma.....	292
Gestational Trophoblastic Neoplasia (GTN)	298
Malignant Ovarian Tumors.....	304
Metastatic Tumors	318
Carcinoma Fallopian Tube	321
Sarcoma Uterus	321
Sarcoma Botryoides.....	323

Chapter 25 Urinary Problems in Gynecology 324-342

Anatomy of Vesicourethral Unit	324
Urinary Continence.....	324
Genuine Stress Incontinence (GSI)	328
Urge Incontinence.....	334
Overactive Bladder (OAB).....	334
Painful Bladder Syndrome (PBS).....	336
Voiding Disorder	337
Urinary Tract Infections	338
Dysuria.....	340

Chapter 26 Genitourinary Fistula 343-352

Genitourinary Fistula.....	343
Vesicovaginal Fistula (VVF).....	343
Urethrovaginal Fistula.....	348
Ureteric Injury in Gynecologic Surgery.....	349
Rectovaginal Fistula (RVF)	351

Chapter 27 Genital Tract Injuries and Anorectal Dysfunctions 353-360

Complete Perineal Tear (CPT)	353
Coital Injuries	357
Rape Victims	357
Direct Trauma.....	358
Foreign Bodies.....	358
Instrumental Injuries	359
Functional Anorectal Disorders.....	359
Anal Incontinence	359

Chapter 28 Disorders of Sexual Development—Dr B N Chakravorty 361-369

Embryological Considerations.....	361
Adrenogenital Syndrome	362
Turner's Syndrome	363
Pure Gonadal Dysgenesis	364
Androgen Insensitivity Syndrome.....	364
Klinefelter's Syndrome.....	365

Chapter 29 Amenorrhea—Dr B N Chakravorty 370-390

Clinical Types.....	370
Primary Amenorrhea.....	371
Secondary Amenorrhea	376

Chapter 30	Contraception	391-417
Methods of Contraception.....	392	
Temporary Methods	392	
Intrauterine Contraceptive Devices (IUCDs)	392	
Steroidal Contraceptions	398	
Sterilization	406	
Barrier Methods.....	412	
Ongoing Trials.....	415	
Chapter 31	Basic Principles of Radiotherapy, Chemotherapy, Immunotherapy and Gene therapy in Gynecology	418-432
Radiotherapy.....	418	
Chemotherapy.....	423	
Immunotherapy.....	430	
Genetics and Gynecologic Malignancy	430	
Tumor Markers.....	432	
Chapter 32	Hormones in Gynecological Practice—Dr B N Chakravorty	433-447
Nomenclatures	433	
Hypothalamic Hormones	433	
Gonadal Hormones.....	439	
Adrenocortical Homones.....	445	
Thyroid Hormones	446	
Chapter 33	Gynecological Problems from Birth to Adolescence	448-455
Introduction.....	448	
Common Clinical Problems.....	448	
Neonates.....	448	
Premenarchal	450	
Perimenarchal to Adolescence	451	
Neoplasm	452	
Sexually Transmitted Infections (STIs).....	454	
Miscellaneous Problems	454	
Chapter 34	Special Topics	456-479
Abnormal Vaginal Discharge	456	
Pelvic Pain.....	459	
Ovarian Remnant Syndrome	462	
Postmenopausal Bleeding.....	462	
Low Backache	464	
Breast in Gynecology.....	464	
Psychosexual Issues and Female Sexuality.....	469	
Abdominopelvic Lump.....	470	
Adnexal Mass	471	
Hirsutism.....	473	
Galactorrhea.....	478	
Chapter 35	Operative Gynecology	480-502
Preoperative Preparations.....	480	

Intraoperative Care	482
Postoperative Care	482
Gynecological Operations.....	484
Major Surgical Operations.....	490

Chapter 36 Endoscopic Surgery in Gynecology 503-514

History	503
Basic Instruments	504
Surgical Techniques	508
Operative Laparoscopy.....	509
Robotic Surgery in Gynecology.....	510
Hysteroscopy.....	510

Chapter 37 Current Topics in Gynecology 515-516

Stem Cells and Therapies.....	515
Properties of Stem Cells	515
Use of Embryonic Stem Cells in Regenerative Medicine.....	515

Chapter 38 Practical Gynecology 517-558

Instruments.....	517
Suture Materials	537
Specimens.....	538
Plates: Skiagraphs, Ultrasonographs, Computed Tomographs, and Magnetic Resonance Imagings.....	549
<i>Index.....</i>	559