

# CONTENTS

## PART I: ANATOMY AND EMBRYOLOGY

### SECTION I

#### Embryology

1 Sexual Differentiation	3
2 Upper Genital Tract Development	4
3 Lower Genital Tract Development	5
4 Development of the Breast	7

### SECTION II

#### Anatomy

5 External Genitalia	11
6 Perineum	12
7 Vagina	13
8 Pelvic Viscera	15
9 Cervix, Uterus, and Adnexa	16
10 Ovaries	17
11 Breast	19

## PART II: GYNECOLOGY AND WOMEN'S HEALTH

### SECTION III

#### General Health Considerations and Counseling

12 Puberty: Normal Sequence	25
13 Health Maintenance: Ages 12–18 Years	26
14 Health Maintenance: Ages 19–39 Years	28
15 Contraception: Counseling Principles	30
16 Health Maintenance: Ages 40–64 Years	32
17 Health Maintenance: Ages 65 Years and Older	35

### SECTION IV

#### Diseases, Disorders, and Common Problems

18 Abortion	41
19 Abuse: Physical and Sexual	44
20 Acne	46
21 Alzheimer Disease	48
22 Anemia	50
23 Anorectal Fistula	52
24 Anxiety	54
25 Asthma	56
26 Cholelithiasis	58

27 Chronic Pelvic Pain	60
28 Constipation	62
29 Crohn Disease	64
30 Depression (Unipolar)	66
31 Diverticular Disease	68
32 Domestic Violence	69
33 Dysmenorrhea: Primary and Secondary	71
34 Dyspareunia: Deep Thrust	73
35 Dysuria	75
36 Eating Disorders: Anorexia Nervosa and Bulimia	77
37 Fibromyalgia	79
38 Gallbladder Disease	82
39 Gastritis	84
40 Gastroesophageal Reflux	85
41 Hair Loss	87
42 Headache: Tension and Cluster	89
43 Headache: Migraine	92
44 Hematuria	94
45 Hemorrhoids	96
46 Hyperthyroidism	97
47 Hypothyroidism	99
48 Infertility: General Considerations	101
49 Irritable Bowel Syndrome	103
50 Low Back Pain	105
51 Melanoma	108
52 Myofascial Syndromes	110
53 Obesity	112
54 Osteoporosis	114
55 Pessary Therapy	117
56 Postcoital Bleeding	119
57 Premenstrual Syndrome	121
58 Pruritus Ani	123
59 Rape and Rape Trauma Syndrome	124
60 Sexual Dysfunction: Libidinal and Orgasmic Dysfunction (Anorgasmia)	127
61 Sexually Transmitted Infections: Chancroid	129
62 Sexually Transmitted Infections: <i>Chlamydia trachomatis</i>	131
63 Sexually Transmitted Infections: Condylomata Acuminata	133

<b>64 Sexually Transmitted Infections:</b> Gonorrhea	135	<b>96 Vulvar Hematoma</b>	201
<b>65 Sexually Transmitted Infections:</b> Granuloma Inguinale (Donovanosis)	137	<b>97 Vulvar Lesions</b>	203
<b>66 Sexually Transmitted Infections:</b> Herpes	139	<b>98 Vulvar Vestibulitis (Provoked Vulvodynia)</b>	206
<b>67 Sexually Transmitted Infections:</b> Human Immunodeficiency Virus	141	<b>SECTION VI</b> Vaginal Disease	
<b>68 Sexually Transmitted Infections:</b> Human Papillomavirus	144	<b>99 Cystocele/Urethrocele</b>	211
<b>69 Sexually Transmitted Infections:</b> Lymphogranuloma Venereum	147	<b>100 Enterocele</b>	212
<b>70 Sexually Transmitted Infections:</b> Molluscum Contagiosum	149	<b>101 Fistulae:</b> Gastrointestinal and Urinary Tract	214
<b>71 Sexually Transmitted Infections:</b> Parasites	150	<b>102 Rectocele</b>	216
<b>72 Sexually Transmitted Infections:</b> Syphilis	152	<b>103 Sarcoma Botryoides</b>	218
<b>73 Sexually Transmitted Infections:</b> <i>Trichomonas vaginalis</i>	155	<b>104 Transverse Vaginal Septum</b>	219
<b>74 Thrombophlebitis</b>	157	<b>105 Vaginal Cysts</b>	221
<b>75 Toxic Shock Syndrome</b>	159	<b>106 Vaginal Dryness</b>	222
<b>76 Ulcerative Colitis</b>	162	<b>107 Vaginal Lacerations</b>	223
<b>77 Urinary Incontinence:</b> Bypass and Overflow	164	<b>108 Vaginal Prolapse</b>	225
<b>78 Urinary Incontinence:</b> Stress	166	<b>109 Vaginitis:</b> Atrophic	227
<b>79 Urinary Incontinence:</b> Urge	169	<b>110 Vaginitis:</b> Bacterial (Nonspecific) and Bacterial Vaginosis	229
<b>80 Urinary Tract Infection</b>	171	<b>111 Vaginitis:</b> Monilial	231
<b>81 Urodynamics Testing</b>	174	<b>112 Vaginitis:</b> <i>Trichomonas</i>	233
<b>82 Varicose Veins</b>	176	<b>SECTION VII</b> Cervical Disease	
<b>SECTION V</b> Vulvar Disease			
<b>83 Acne Inversa (Hidradenitis Suppurativa)</b>	181	<b>113 Abnormal Pap Smear:</b> Atypical Squamous or Glandular Cells of Undetermined Origin	237
<b>84 Bartholin Gland:</b> Abscess/Infection	182	<b>114 Abnormal Pap Smear:</b> Low-Grade Squamous Intraepithelial Lesions and High-Grade Squamous Intraepithelial Lesions	239
<b>85 Bartholin Gland:</b> Cysts	184	<b>115 Carcinoma in Situ (Cervix)</b>	241
<b>86 Contact Vulvitis</b>	186	<b>116 Cervical Cancer</b>	243
<b>87 Dyspareunia:</b> Insertional	187	<b>117 Cervical Erosion</b>	245
<b>88 Female Circumcision</b>	188	<b>118 Cervical Eversion</b>	246
<b>89 Hymenal Stenosis</b>	190	<b>119 Cervical Polyps</b>	247
<b>90 Hyperplastic Vulvar Dystrophy (Squamous Cell Hyperplasia, Lichen Simplex Chronicus)</b>	192	<b>120 Cervical Stenosis</b>	248
<b>91 Imperforate Hymen</b>	193	<b>121 Cervicitis</b>	250
<b>92 Labial Adhesions</b>	194	<b>122 Nabothian Cysts</b>	252
<b>93 Lichen Planus</b>	196	<b>SECTION VIII</b> Uterine Pathology	
<b>94 Lichen Sclerosus</b>	197	<b>123 Adenomyosis</b>	255
<b>95 Vulvar Cancer</b>	199	<b>124 Asherman Syndrome (Uterine Synechia)</b>	256
		<b>125 Dysfunctional (Abnormal) Uterine Bleeding</b>	258
		<b>126 Endometrial Cancer</b>	261
		<b>127 Endometrial Hyperplasia:</b> Simple and Complex	263

<b>128</b> Endometrial Polyps	265
<b>129</b> Endometritis	266
<b>130</b> Hematometra	268
<b>131</b> Intermenstrual Bleeding	269
<b>132</b> Irregular Menstrual Periods	271
<b>133</b> Menorrhagia	274
<b>134</b> Postmenopausal Vaginal Bleeding	276
<b>135</b> Sarcoma (Uterine)	278
<b>136</b> Uterine Anomalies: Bicornuate, Septate, and Unicornuate Uterus	280
<b>137</b> Uterine Leiomyomata (Fibroids, Myoma)	282
<b>138</b> Uterine Prolapse	284

**SECTION IX**

Adnexal Disease

<b>139</b> Adenofibroma	289
<b>140</b> Clear Cell Carcinoma	290
<b>141</b> Dermoid Cyst	292
<b>142</b> Dysgerminoma	293
<b>143</b> Ectopic Pregnancy	295
<b>144</b> Endometriosis	298
<b>145</b> Epithelial Stromal Ovarian Tumors	301
<b>146</b> Germ Cell Tumor	303
<b>147</b> Granulosa Cell Tumors	304
<b>148</b> Hydrosalpinx (Chronic Pelvic Inflammatory Disease)	307
<b>149</b> Krukenberg Tumor	309
<b>150</b> Mucinous Ovarian Cysts	310
<b>151</b> Ovarian Cancer	312
<b>152</b> Ovarian Cysts	315
<b>153</b> Ovarian Fibroma	317
<b>154</b> Ovarian Torsion	319
<b>155</b> Pelvic Inflammatory Disease (PID)	321
<b>156</b> Pseudomyxoma Peritonei	324
<b>157</b> Serous Ovarian Cysts	325
<b>158</b> Sertoli-Leydig Cell Tumor (Arrhenoblastoma)	327
<b>159</b> Transitional Cell (Brenner) Tumor	329

**SECTION X**

Breast Diseases and Conditions

<b>160</b> Accessory Nipples (Polythelia)	333
<b>161</b> <i>BRCA1</i> and <i>BRCA2</i> Mutations	334
<b>162</b> Breast Cancer	336
<b>163</b> Breast Cyst	339
<b>164</b> Breast Duct Ectasia	340
<b>165</b> Breast Fat Necrosis	342
<b>166</b> Breast Fibroadenoma	343
<b>167</b> Breast Intraductal Papilloma	345

<b>168</b> Fibrocystic Breast Change	347
<b>169</b> Galactocele	349
<b>170</b> Galactorrhea	351
<b>171</b> Mammography	353
<b>172</b> Mastitis (Lactational)	355
<b>173</b> Mastodynia and Mastalgia (Breast Pain)	356
<b>174</b> Mondor Disease	358
<b>175</b> Nipple Discharge	360
<b>176</b> Paget Disease of the Breast	362

**SECTION XI**

Reproductive, Genetic, and Endocrine Conditions

<b>177</b> Abnormal Puberty	367
<b>178</b> Amenorrhea: Primary	369
<b>179</b> Amenorrhea: Secondary	371
<b>180</b> Androgen Insensitivity Syndrome	372
<b>181</b> Anovulation	374
<b>182</b> Assisted Reproduction	376
<b>183</b> Down Syndrome	379
<b>184</b> Gonadal Dysgenesis	381
<b>185</b> Hirsutism	384
<b>186</b> Hyperprolactinemia	387
<b>187</b> Infertility	390
<b>188</b> Menopause	392
<b>189</b> Polycystic Ovary Syndrome	395
<b>190</b> Recurrent Pregnancy Loss	397
<b>191</b> Sexual Ambiguity	399
<b>192</b> Sheehan Syndrome	401
<b>193</b> Turner Syndrome	403
<b>194</b> Uterine Agenesis	405
<b>195</b> Vaginal Agenesis	407
<b>196</b> Virilization	408

**PART III: OBSTETRICS**

**SECTION XII**

Obstetrics: General Considerations

<b>197</b> Preconceptional Care and Counseling	413
<b>198</b> Routine Prenatal Care: First Trimester	415
<b>199</b> Routine Prenatal Care: Second Trimester	416
<b>200</b> Routine Prenatal Care: Third Trimester	418
<b>201</b> Antepartum Fetal Testing	420
<b>202</b> Biophysical Profile	422

<b>203</b> Contraction Stress Testing	424	<b>243</b> Shoulder Dystocia	503
<b>204</b> Doppler Flow Studies	425	<b>244</b> Third Trimester Bleeding	505
<b>205</b> Nonstress Testing	427	<b>245</b> Trauma in Pregnancy	506
<b>206</b> Normal Labor	429	<b>246</b> Uterine Atony and Postpartum Hemorrhage	508
<b>207</b> Fetal Heart Rate Testing: Bradycardia	431	<b>247</b> Uterine Inversion	511
<b>208</b> Fetal Heart Rate Testing: Periodic Changes	433	<b>248</b> Uterine Rupture	513
<b>209</b> Fetal Heart Rate Testing: Reduced Variability	435		
<b>210</b> Fetal Heart Rate Testing: Tachycardia	437		
<b>211</b> Obstetric Anesthesia/Analgesia	438		
<b>212</b> Normal Postpartum Changes	440		
<b>213</b> Breastfeeding (Lactation)	442		
		<b>PART IV: PROCEDURES</b>	
		<b>SECTION XIV</b>	
		Procedures	
<b>SECTION XIII</b>			
Obstetric Conditions and Concerns			
<b>214</b> Abnormalities of Placental Implantation	447	<b>249</b> Amniocentesis	517
<b>215</b> Active Management of Labor	449	<b>250</b> Aspiration of Breast Cyst	518
<b>216</b> Acute Fatty Liver of Pregnancy	450	<b>251</b> Bartholin Gland Cyst/Abscess Drainage	520
<b>217</b> Amniotic Fluid Embolism	452	<b>252</b> Bartholin Gland Marsupialization	521
<b>218</b> Breech Birth	454	<b>253</b> Breast Biopsy: Core	523
<b>219</b> Caput Succedaneum	456	<b>254</b> Breast Biopsy: Open	524
<b>220</b> Cardiovascular Disease in Pregnancy	457	<b>255</b> Cervical Cerclage	526
<b>221</b> Cervical Insufficiency	460	<b>256</b> Cervical Conization (Cold Knife)	528
<b>222</b> Cholecystitis in Pregnancy	461	<b>257</b> Cervical Polypectomy	529
<b>223</b> Chorioamnionitis	464	<b>258</b> Cesarean Delivery	531
<b>224</b> Diabetes Mellitus in Pregnancy	466	<b>259</b> Chorionic Villus Sampling	534
<b>225</b> Fetal Alcohol Syndrome	468	<b>260</b> Circumcision (Male; Newborn and Infant)	536
<b>226</b> Gestational Trophoblastic Disease	470	<b>261</b> Colposcopy	539
<b>227</b> Gingivitis in Pregnancy	472	<b>262</b> Cervical Cryocautery	541
<b>228</b> HELLP Syndrome	474	<b>263</b> Cystourethroscopy	542
<b>229</b> Hepatitis in Pregnancy	476	<b>264</b> Diaphragm Fitting	544
<b>230</b> Hyperemesis Gravidarum	478	<b>265</b> Dilation and Curettage	546
<b>231</b> Intrauterine Growth Restriction	479	<b>266</b> Endometrial Biopsy	548
<b>232</b> Multiple Gestation	482	<b>267</b> Forceps-Aided Delivery	550
<b>233</b> Oligohydramnios	484	<b>268</b> Hysteroscopy: Diagnostic	552
<b>234</b> Placenta Previa	486	<b>269</b> Hysteroscopy: Polyp and Leiomyoma Resection	554
<b>235</b> Placental Abruption	488	<b>270</b> Hysteroscopic Sterilization	556
<b>236</b> Polyhydramnios	489	<b>271</b> Intrauterine Contraceptive Device Insertion	558
<b>237</b> Postpartum Breast Engorgement	491	<b>272</b> Intrauterine Contraceptive Device Removal	560
<b>238</b> Postpartum Depression	492	<b>273</b> LEEP (Loop Electrosurgical Excision Procedure) and LLETZ (Large Loop Excision of the Transformation Zone) Conizations	562
<b>239</b> Preeclampsia and Eclampsia	494	<b>274</b> Pessary Fitting	564
<b>240</b> Pruritic Urticarial Papules and Plaques of Pregnancy (PUPPP)	497	<b>275</b> Sonohysterography	566
<b>241</b> Puerperal Infection	499	<b>276</b> Subdermal Contraceptive Capsule Insertion	568
<b>242</b> Rh Incompatibility	501	<b>277</b> Subdermal Contraceptive Capsule Removal	570
		<b>278</b> Transvaginal Ultrasonography	571
		<b>279</b> Trigger Point Injection	573

