

Contents

1	Introduction to the First Edition	1
2	Technical Remarks	3
2.1	<i>Procedures for Obtaining Endometrial Tissue</i>	3
2.2	<i>Selection of the Proper Time for Curettage</i>	3
2.3	<i>Preparation of the Endometrial Specimen</i>	4
2.4	<i>Interpretation of Endometrial Specimens</i>	4
3	Normal Endometrium	7
3.1	Normal Menstrual Cycle	7
3.1.1	Proliferative Phase	7
3.1.2	Secretory Phase	12
3.1.3	Menstruation	35
3.1.4	Regeneration	38
3.2	Physiologic Variations in the Climacterium	38
3.2.1	Proliferative Phase	38
3.2.2	Secretory Phase	41
3.3	Normal Postmenopausal Endometrium	41
3.4	Isthmus Mucosa	43
4	Metaplastic Changes	45
4.1	Epithelial Metaplasia	45
4.1.1	Squamous Metaplasia and Ichthyosis	45
4.1.2	Mucinous Metaplasia	47
4.1.3	Papillary (Syncytial) Metaplasia	49
4.1.4	Tubal (Ciliated Cell) Metaplasia	49
4.1.5	Rare Forms of Metaplasia of Endometrial Glandular Epithelium	50
4.2	Stromal Metaplasia	52
5	Circulatory Disturbances	53
5.1	Pathologic Edema	53
5.2	Lymphatic Cysts	54
5.3	Apoplexia Uteri	55

6	Functional Disturbances	59
6.1	Anovulatory Disturbances	59
6.1.1	Atrophy	59
6.1.2	Resting Endometrium	63
6.1.3	Deficient Proliferation	63
6.1.4	Irregular (Disordered) Proliferation	65
6.1.5	Anovulatory Withdrawal Bleeding	68
6.2	Endometrial Hyperplasia	70
6.2.1	Nonatypical Hyperplasia	70
6.2.2	Atypical Hyperplasia	84
6.2.3	Special Findings in Hyperplasia	84
6.2.4	Genetic Instability	84
6.2.5	Clinical and Morphologic Distinction of Complex and Atypical Hyperplasia	85
6.2.6	Hyperplasia of Glands and Stroma	85
6.2.7	Focal Hyperplasia	85
6.2.8	Basal Hyperplasia	88
6.2.9	Endometrial Polyps	88
6.3	Ovulatory Disturbances	93
6.3.1	Deficient Secretory Phase	93
6.3.2	Irregular Shedding	98
6.3.3	Abnormal Decidual Shedding	105
6.4	Functional Endogenous Changes During the Perimenopausal Period	105
6.4.1	Secretory Hypertrophy	105
7	Iatrogenic Changes	109
7.1	After Hormone Therapy	109
7.1.1	Estrogen-Induced Hyperplasia	110
7.1.2	Gestagen Therapy	113
7.1.3	Gestagen Therapy of Atypical Hyperplasia or Adenocarcinoma	116
7.1.4	Combination Therapy	117
7.1.5	Hormones for Inducing Ovulation	124
7.1.6	Therapy with Tamoxifen	125
7.2	After Intrauterine Contraceptive Devices	125
7.2.1	Mechanical Decidualization	125
7.2.2	Perifocal Arrested Secretion	127
7.2.3	Surface Reaction Following Copper Devices	129
7.2.4	Endometritis	131
7.3	After Intrauterine Instillation	131
7.3.1	Histiocytic Storage Reaction	132
8	Endometritis	135
8.1	Acute Endometritis	135
8.2	Chronic Endometritis	137
8.3	Tuberculous Endometritis	139

8.4 Sarcoidosis	140
8.5 Actinomycosis.....	140
8.6 Foreign Body Granuloma	142
9 Neoplasms.....	145
9.1 Carcinomas	145
9.1.1 Adenocarcinomas of the Endometrioid Type.....	147
9.1.2 Carcinomas of the Nonendometrioid Müllerian Type	159
9.2 Stromal Tumors.....	173
9.2.1 Endometrial Stromal Nodule	173
9.2.2 Endometrial Stromal Sarcoma, Low Grade	174
9.2.3 Undifferentiated Endometrial Sarcoma	178
9.2.4 Malignant Mixed Mesenchymal Tumors.....	178
9.3 Mesodermal Mixed Tumors.....	180
9.3.1 Adenofibroma	180
9.3.2 Atypical Polypoid Adenomyoma.....	180
9.3.3 Adenosarcoma.....	182
9.3.4 Carcinofibroma	186
9.3.5 Carcinosarcoma (Malignant Müllerian Mixed Tumor), Homologous Type	187
9.3.6 Carcinosarcoma (Malignant Müllerian Mixed Tumor), Heterologous Type.....	190
9.4 Primitive Neuroectodermal Tumor (PNET)	193
9.5 Malignant Lymphomas and Hematopoietic Neoplasms	195
9.5.1 Lymphomas and Lymphatic Leukemias	195
9.5.2 Myeloid Leukemias and Sarcomas	202
9.6 Leiomyomas as Components of Endometrial Specimens.....	203
9.7 Secondary Tumors	203
9.7.1 Metastases from Primary Breast Carcinoma.....	206
9.7.2 Leukemic Infiltrations	206
9.7.3 Endometrial Involvement from Primary Carcinoma of the Cervix	208
10 Gestational Changes.....	209
10.1 Normal Trophoblast.....	209
10.2 Spontaneous Abortion.....	209
10.3 Partial Hydatidiform Mole.....	213
10.4 Complete Hydatidiform Mole.....	215
10.5 Invasive Mole	217
10.6 Choriocarcinoma.....	218
10.7 Placental Site Trophoblastic Tumor (PSTT).....	221
10.8 Epithelioid Trophoblastic Tumor (ETT).....	225
10.9 Placental Site Nodule (PSN).....	226
References	227
Index	239