

Contents

1	Introduction to Endocervical Glandular Lesions	1
	Prevalence	2
	Etiology of Endocervical Adenocarcinoma and AIS	4
	Clinical Features of Endocervical Adenocarcinoma and AIS	5
	Diagnosis of Endocervical Neoplasia	6
	References	7
2	Processing, Reporting, and Sensitivity of Cervical Cytology with an Emphasis on Glandular Lesions	11
	Obtaining the Cervical Cytology Sample	11
	The Requisition	15
	Image Analysis-Assisted Screening	16
	Specimen Reporting Format and Terminology for Reporting Glandular Lesions Identified on Cervical Cytology	17
	Sensitivity of Cervical Cytology for the Presence of Glandular Abnormalities	19
	References	20

3	Normal Histology and Cytology of the Endocervix and Endometrium.....	25
	Histology of the Normal Endocervix.....	25
	Cytology of the Normal Endocervix.....	29
	Histology of the Normal Lower Uterine Segment and Endometrium	32
	Cytology of Endometrium.....	34
	References	40
4	Cytology of Endocervical Glandular Neoplasia	41
	Histology and Cytology of Glandular Lesions of the Cervix: Neoplastic and Equivocal	41
	Adenocarcinoma, Usual Type, Invasive and In Situ	41
	The Cytologic Features of the Usual Type of In Situ and Invasive Cervical Adenocarcinoma....	43
	Endocervical Adenocarcinoma In Situ, Usual Type	43
	Invasive Endocervical Adenocarcinoma, Usual Type	51
	Other Variants of Endocervical Adenocarcinoma: Histologic and Cytologic Presentation	54
	Mucinous Type	55
	Villoglandular Type	58
	Endometrioid Type.....	59
	Clear Cell Type	61
	Serous Type	61
	Mesonephric Type.....	62
	Adenosquamous Type.....	63
	Endocervical Gland Dysplasia and Atypical Endocervical Cells.....	64
	References	67
5	Cytologic Mimics of Endocervical Glandular Neoplasia	69
	Histology of Benign Glandular Lesions of the Cervix.....	69
	Histology of Metaplasias and Ectopias	69

Histology of Endocervical Glandular Hyperplasia	72
Histology of Reactive, Infectious, and Inflammatory Lesions.....	75
Cytology of Reactive Endocervical Cells and Repair	77
Cytology of Tubal and Tubo-Endometrioid Metaplasia	81
Cytology of Pregnancy-Induced Changes	85
Cytology of Changes Due to Intrauterine Device	87
Other Mimics of Endocervical Glandular Neoplasia	90
References	91
6 Cytology of Endometrial Cells and Lesions.....	95
Exfoliated Endometrium.....	95
Directly Sampled Endometrium.....	101
Atypical Exfoliated Endometrial Cells	106
Exfoliated Endometrial Adenocarcinoma	107
Post-hysterectomy Vaginal Smears Following Surgery for Malignancy.....	113
References	114
7 Cytology of Extracervical Adenocarcinoma	117
Cytomorphology of Metastatic Tumors	118
Work-up	124
The Future	128
References	129
8 Management of Glandular Lesions Identified on Cervical Cytology and Histology with Suggestions for Continuous Quality Improvement in the Cytology Laboratory	133
Rational for Management Guidelines	133
Management Guidelines for the Cytologic Interpretation of “Atypical Glandular Cells” or “Adenocarcinoma In Situ”	135

Management Guidelines for the Cytologic Interpretation of “Atypical Glandular Cells” or “Adenocarcinoma In Situ” in Special Populations: Pregnant Women and Women Aged 21–24 Years	137
Management of Benign Glandular Cells.....	137
Continuous Quality Improvement in the Cytology Laboratory.....	138
References	139
Index	141

<http://www.springer.com/978-1-4939-1988-8>

Glandular Lesions of the Uterine Cervix
Cytopathology with Histologic Correlates

Tambouret, R.; Wilbur, D.

2015, XVI, 146 p. 110 illus., 86 illus. in color., Softcover

ISBN: 978-1-4939-1988-8