Human papillomaviruses (HPV) are a heterogeneous and still growing virus family. Topical research results on the replication cycle and carcinogenic mechanisms allow a better understanding of current prevention strategies. Written by leading experts, this volume of Monographs in Virology provides up-to-date information on the prevention of papillomavirus-induced cancers by prophylactic antiviral vaccines and early detection of precancerous lesions.

A major section covers the tremendous clinical burden due to HPV infections: genital warts and laryngeal papillomas, the most notorious cervical cancer, but also further anogenital and tonsillar cancer, the incidence of which increased steeply during the last decades. Additionally, a section on prevention addresses the subject cytology – new concepts of biomarker development, detection of HPV DNA and RNA as well as their use in primary screening for early detection of precancerous lesions. Finally the book closes with a topical discussion of the most intriguing primary prevention of HPV infection by vaccination.

As new perspectives for the prevention of HPV-related neoplasia raised great public interest, this book will be of value to clinicians and practitioners in gynecology, dermatology, urology and ENT, to pathologists, laboratory physicians, medical students, and public health authorities.

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New insights into challenges and opportunities of thyroid FNA

Thyroid FNA: Challenges and Opportunities

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GI tract, liver, pancreas, EUS, FNA from deep-seated masses
Gynecologic cytology (cervix, endometrium, ovary, vulva), HPV
Head and neck FNA
Hematopoietic system cytology (lymph nodes and bone marrow)
Intraoperative and interventional cytology
Pediatric cytology
Quality assurance and automation
Respiratory cytology
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Serous fluid cytology, cerebrospinal fluid cytology
Soft tissue and bone FNA
Tele-cytology
Training programs for cytologist and cytotechnologist
Transplant cytology
Thyroid FNA
Urinary cytology
Veterinary cytology
Free topics
A comprehensive and well-illustrated monograph on rare tumors

FNA Cytology of Ophthalmic Tumors

Editors
Charles V. Biscotti
Arun D. Singh

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Cover illustration
Immunohistochemical stain for estrogen receptor performed on (top left) Cellient cell block, (top right) formalin cell block, (bottom left) thrombin cell block, and (bottom right) paraffin embedded tissue. Each was interpreted to have a total Allred score of 8 (proportion = 5 of 5; intensity = 3 of 3). Original magnification x 400. From Gorman et al., p. 289.