

CYTOPATHOLOGY CONTENT SPECIFICATIONS

New Validated Practical Knowledge

Gyn

1. HPV testing in cervical cancer for primary screening and triage
2. ASCCP Consensus Guidelines on management of abnormal cervical cytology and appropriate use of HPV testing
3. HPV vaccines

References:

Wright TC Jr., Massad LS, Dunton CJ, Spitzer M, Wilkinson EJ, Solomon D; 2006 American Society for Colposcopy and Cervical Pathology-sponsored Consensus Conference. 2006 consensus guidelines for the management of women with abnormal cervical cancer screening tests. *Am J Obstet Gynecol* 2007 Oct; 197(4):346-55. Review.

Wright TC Jr., Massad LS, Dunton CJ, Spitzer M, Wilkinson EJ, Solomon D; 2006 American Society for Colposcopy and Cervical Pathology-sponsored Consensus Conference. 2006 consensus guidelines for the management of women with cervical intraepithelial neoplasia or adenocarcinoma in situ. *Am J Obstet Gynecol* 2007 Oct; 197(4): 340-5. Review.

Greenspan D, Cardillo M, Davey D, Heller D, Moriarty A. Endometrial Cells in Cervical Cytology: Review of Cytological Features and Clinical Assessment. *J Lower Genital Tract Dis* 2006; 10(2):111-122.

Renshaw A. Measuring Sensitivity in Gynecologic Cytology: A Review. *Cancer Cytopathology*, 2002; 96(4):210-217.

Lowy DR, Schiller JT. Prophylactic HPV vaccines. *J. Clin Invest.* 2006. 116(5): 1167-73.

Cutts FT, Franceschi S, Goldie S, et al. Human papilloma virus and HPV vaccines. *Bull World Health Organ.* 2007 Sep;85(9):719-26. Review.

Solomon D, Papillo JL, Davey DD for the Cytopathology Education and Technology Consortium. Statement on human papillomavirus DNA test utilization. *Cancer Cytopathol.* 2009. In press.

Non-Gyn

FNA

1. Endoscopic ultrasound guided sampling of pancreatico-biliary system.
2. NCI Thyroid Fine Needle Aspiration State of the Science Conference
3. Use of liquid based preparations for aspiration cytology.
4. CAP/ASCO guidelines for Her2-neu testing
5. Soft tissue sarcomas

References

Bardales RH, Stelow EB, Mallery S, Lai R, Stanley MW. Review of endoscopic ultrasound-guided fine-needle aspiration cytology. *Diagn Cytopathol* 2006 Feb; 34(2):140-75. Review.

Lin F, Staerckel G. Cytologic criteria for well-differentiated adenocarcinoma of the pancreas in fine-needle aspiration biopsy specimens. *Cancer Cytopathology* 2003; 99 (1): 44-50.

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Baloch ZW, Livolsi VA, Asa SL, Rosai J, Merino MJ, Randolph G, Vielh P, Demay RM, Sidawy MK, Frable WJ. Diagnostic terminology and morphologic criteria for cytologic diagnosis of thyroid lesions: A synopsis of the National Cancer Institute Thyroid Fine-Needle Aspiration State of the Science. *Diagn Cytopathol.* 2008 Jun;36(6):425-37

Wolff AC, Hammond ME, Schwartz JN, Hagerty KL, Allred DC, Cote RJ, et al. American Society of Clinical Oncology/College of American Pathologists Guideline Recommendations for Human Epidermal Growth Factor Receptor 2 Testing in Breast Cancer. *Arch Pathol Lab Med* 2007; 131(1): 18.

Singh HK, Volmar KE, ELsheikh TM, Silverman JF. The Diagnostic Utility of Fine-Needle Aspiration Biopsy of Soft-Tissue Sarcomas in the Core Needle Biopsy Era. *Pathology Case Reviews.* 12(1): 36-43, January/February 2007.

Fundamental Knowledge

1. Bethesda terminology and criteria for cervical cytology
2. HPV - molecular biology, role of testing in cervical cytology screening
3. Differentiation of reactive vs malignant effusions.
4. Diagnosis of exfoliative specimens (brushings, washings, scrapings)
5. CLIA regulations and CAP accreditation for cytology laboratories
6. Special techniques for specimen evaluation, e.g
 flow cytometry
 immunohistochemistry
 cytogenetics
7. Familiarity with alcohol fixed and air dried preparations.

General References

Solomon D, Nayar R. The Bethesda System for Reporting Cervical Cytology: Definitions, Criteria and Explanatory Notes. 2nd edition. New York: Springer-Verlag, 2004; 1-191.

Layfield LL, Elsheikh TM, Fili A, Nayar R, Shidham V. Review of the state of the art and recommendations of the Papanicolaou Society of Cytopathology for urinary cytology procedures and reporting. *Diagn Cytopathol* 2003; 30(1): 24-30.

Solomon D, Papillo JL, Davey DD for the Cytopathology Education and Technology Consortium. Statement on human papillomavirus DNA test utilization. *Cancer Cytopathol*. 2009. In press.