American Society of Cytopathology

CYTO TELECONFERENCE

• 60-minute teleconference (travel-free) delivered over the phone
• Unlimited listeners per connection – bring the entire department
• Question & Answer session with the presenter
• Reference materials provided – written materials and PowerPoint images in electronic format
• Continuing Education credits available (2 hours per teleconference)

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April 2007 – March 2008 SERIES
The American Society of Cytopathology invites your participation in its monthly teleconference series. These sixty-minute multi-media teleconferences will begin at 3:00 p.m. Eastern Time on the fourth Tuesday of each month (with the exception of December, which is the second Tuesday) beginning April 24, 2007 through March 25, 2008. The teleconferences address the broad spectrum of cytopathology practice.

Objectives
At the end of the Cytoteleconference Series, the participants should be able to:

- Identify cytomorphologic characteristics of neoplastic and non-neoplastic diseases of the major organ systems including female genital tract, hepato-biliary system, lung, thyroid gland and lymph node.
- Recognize key cytopathologic features of normal and disease states in a variety of clinical specimens including conventional and liquid-based preparations of exfoliative samples (brushings, CSF, serous cavity fluids, urine) and fine needle aspirations.
- Discuss current issues in gynecologic cytopathology and legal ramifications.
- Identify the role and limitations of new and emerging technologies in clinical cytopathology, including image analysis, automation, flow cytometry, immunocytochemistry and molecular/cytogenetic techniques.
- Discuss various types of quality assurance programs with a goal of improving patient care and meeting federal regulation standards.
- Educational objectives are provided for each monthly teleconference.

Program Information
Handouts and PowerPoint
Each hub site will receive a “master” set of written materials and PowerPoint images in electronic format each month. It is the hub site’s responsibility to copy and distribute written materials to participants prior to the teleconference.

April 24, 2007
Genitourinary Cytopathology
Güliz A. Barkan, M.D.
Assistant Professor of Pathology
Loyola University School of Medicine
This session will be concentrating on the diagnosis and pitfalls of genitourinary system Cytopathology. Using interesting cases of urine cytology, renal FNA, and metastatic genitourinary system neoplasm FNAs as a springboard, a discussion will be lead on the salient features of common and uncommon genitourinary lesions, as well as diagnostic pitfalls and differential diagnoses.

May 22, 2007
Malignant Mesothelioma in Effusions and Fine Needle Aspirates
Armando C. Filie, M.D.
Staff Clinician
National Cancer Institute
The diagnosis of malignant mesothelioma in cytologic specimens can be a challenging task. This teleconference will review the cytopathological features of malignant mesothelioma and its differential diagnoses in effusions and fine needle aspirates. Utilization of ancillary studies along with pertinent clinical information in the diagnosis of malignant mesothelioma will also be discussed.

June 26, 2007
FNA of Non-Hodgkin Lymphoma – Principles of Diagnosis
Nancy A. Young, M.D.
Senior Member and Director
Outpatient Laboratory, Fox Chase Cancer Center
Clinical Professor, Thomas Jefferson University
This course covers the basic morphologic, immunophenotypic, and molecular features for the diagnosis and subclassification of Non-Hodgkin lymphoma (NHL), primarily B cell types, by FNA. Dealing with challenges and pitfalls such as sampling error, lack of architecture, coexistence of benign cells, absence of immunoglobulin expression, and aberrant phenotypes will be discussed.

July 24, 2007
Test Validation in the Cytopathology Laboratory
Lynnette C. Savaloja, SCT(ASCP)
Cytopathology Technical Supervisor
Regions Hospital
This teleconference is an adaptation of a workshop entitled “Extreme Makeover: Cytopathology Lab Edition,” which outlines test selection, validation/verification and implementation in the cytopathology lab. For this presentation, we will discuss the Food and Drug Administration’s clearance levels for testing products and the implications for each of these designations. Regulatory test validation and verification standards will also be reviewed. Finally, lessons learned from implementation, including test ordering options, staff and provider education result reporting, will be shared.

August 28, 2007
Pancreas: Aspiration Cytopathology of Uncommon Lesions
Syed Z. Ali, M.D.
Associate Professor of Pathology and Radiology
Associate Director, Cytopathology
The Johns Hopkins Hospital
Cytopathologic diagnosis of pancreatic tumors and pseudo-tumors is often quite challenging. The teleconference will selectively present uncommon and diagnostically difficult pancreatic lesions that are prone to erroneous cytopathologic interpretation. Emphasis will be placed on the formulation of a differential diagnosis based on key morphologic characteristics, discussion of immunoperoxidase staining profiles and clinical implications of an FNA diagnosis.

September 25, 2007
Liquid Based Glandular Lesions: A Complex Cytologic Challenge
Donna K. Russell, M.S., CT(ASCP)CMIA
Supervisor, Cytopathology Residency Teaching University of Rochester Medical Center
The interpretation of gynecologic liquid based glandular lesions can be exceptionally challenging. Using illustrative examples of a variety of cases, this session will provide an overview of glandular lesions and common pitfalls in this complex diagnostic category. Discussion will focus on those features distinguishing glandular lesions from cases, which are squamous in origin, a well-known pitfall in the diagnosis of glandular abnormalities.
Soft tissue lesions are some of the most difficult to evaluate by cytologic methods but are often ideal candidates for diagnosis by fine needle aspiration because of their accessibility. This teleconference will cover some of the more commonly encountered mesenchymal neoplasms as well as common differential diagnostic dilemmas. Use of ancillary studies will be addressed including the application of molecular diagnostic testing.

Hyperchromatic crowded groups, or three-dimensional syncytial-like aggregates, which are crowded clusters of cells with hyperchromatic nuclei in cervico-vaginal smears, can be very challenging in gynecologic cytopathology. The differential diagnosis of some of the benign and neoplastic entities, which present as hyperchromatic crowded groups in cervico-vaginal smears, will be reviewed. Ancillary studies and molecular markers, which may be helpful in diagnosing these lesions, will also be briefly discussed.

The last decade has brought new avenues to the evaluation for and prevention of cervical cancer. Some tests are now standard of care and aid in clinical management. This teleconference looks at ancillary testing (e.g. different types of HPV testing, p16 immunohistochemistry) and new technologies (e.g. imager systems) and their role in clinical management.
**Please mark your program choices:**

- **April 24, 2007**
  - Genitourinary Cytopathology

- **May 22, 2007**
  - Malignant Mesothelioma in Effusions and Fine Needle Aspirates

- **June 26, 2007**
  - FNA of Non-Hodgkin Lymphoma – Principles of Diagnosis

- **July 24, 2007**
  - Test Validation in the Cytopathology Laboratory

- **August 28, 2007**
  - Pancreas: Aspiration Cytopathology of Uncommon Lesions

- **September 25, 2007**
  - Liquid Based Glandular Lesions: A Complex Cytologic Challenge

- **October 23, 2007**
  - Fine Needle Aspiration of Selected Soft Tissue Lesions

- **November 27, 2007**
  - Hyperchromatic Crowded Groups in Cervico-Vaginal Smears

- **December 11, 2007**
  - Salivary Gland FNA

- **January 22, 2008**
  - Urine Cytology in Comparison to New Diagnostic Modalities in the Detection of Bladder Cancer

- **February 26, 2008**
  - Metastases of Unknown Primary Site

- **March 25, 2008**
  - Beyond the Pap Smear: Evaluating Ancillary Tests and Patient Management

The above teleconferences include participation in live presentation & written materials (handouts)

### Live Cytoteleconference Subscription

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### Live Cytoteleconference Subscription plus CD Roms

Each CD Rom contains the images, audio and written material from each cytoteleconference and will be shipped 6-8 weeks after the cytoteleconference has taken place.

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