

Histology Society of Ohio Annual meeting

April 20-21, 2018

Hilton Garden Inn, Perrysburg Ohio

Registration 11am-12pm

Friday, April 20, 2018 afternoon 12-4pm lecture series A (3hr workshop)

12-1pm Lectures (A) Ada Feldman “Troubleshooting H&E in the Age of Automation”

Length: 3 hours

Ada T. Feldman MS, HT/HTL(ASCP)^{CM}

Anatech Ltd

1020 Harts Lake Road

Battle Creek, MI 49037

Manual staining allows the histotechnician to spot process errors or discrepancies on the fly: too little rinsing; inadequate volume, etc. These observations assist in troubleshooting staining artifacts. However, automated stainers deliver the finished stained slide, eliminating the clues derived from observation. This presentation will be an atlas of H&E artifacts. It will include the chemical and physical properties that influence H&E staining and note the variables presented by automatic stainers. Troubleshooting artifacts involves a dichotomy thought process that will be included in the troubleshooting

Friday, April 20, 2018 afternoon 12-4pm lecture series B

12-1pm lecture(B) Dr. James Tita “Lung Cancer: Why Histology Matters”

Dr. James A. Tita, DO, FCCP

Chief Medical Officer

Mercy Health - St. Vincent Medical Center

Give a broad overview of lung cancer, including epidemiology, risk factors, diagnosis and treatment. Discuss the various histological types of lung cancer and how histology impacts on staging and treatment. Also, review some of the widely used molecular markers and genetic mutations present in certain types of lung cancer which, when present, allow for novel approaches to treatment.

1:15-2:15pm Lectures (B) Christopher Hofbauer “Disaster Preparedness”

Christopher Hofbauer

Public Safety Coordinator, Emergency Management

Public Safety Dept.

Mercy, [Toledo](#)

Handling emergencies in the laboratory settings – chemical, biological, utility, terror and more.

3-4pm Lectures (B) Dr. JJ Sreenan “Why am I doing all these immunostains? A Primer on Cancer Genetics and Terminology”

Dr. JJ Sreenan, MD

Lima Pathology Associates

Director of Graduate Medical Education at SRMC.

Objectives:

- 1) Discuss the prevalence and significance of cancer in the US and Ohio
- 2) Discuss the primary genetic mechanisms underlying development of cancer
- 3) Explain how these genetic abnormalities can be targeted with immunotherapeutic drugs.
- 4) Describe the role the histology laboratory plays in the selection of the appropriate immunotherapy for the patient.

4-5:30pm Vendor reception:

5:30-7pm Keynote Address Dr. Nathan Metz “Tick Talk: running out of time with Lyme ”

Dr. Nathan Metz, BS, DVM

Metz Petz Veterinary Clinic

Lyme disease, caused by the spirochete *Borrelia burgdorferi*, is an ever growing concern for both physicians and veterinarians alike. During this hour and a half an in-depth understanding of the epidemiology, clinical manifestation, diagnosis and treatment of Lyme disease and other tick borne illnesses, will be discussed. The time will allow open and interactive discussions.

Saturday, April 21, 2018

7-8am Continental breakfast and registration

Saturday, April 21, 2018 morning 8am-12pm lecture series A

8-10:15am (2 hour workshop)

8-10:15am Lectures (A) Ada Feldman “Processing Schedules Revisited”

Ada T. Feldman MS, HT/HTL(ASCP)^{CM}

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Staining results are dependent on proper specimen processing which involves fixation, dehydration, clearing and paraffin infiltration. Improved instrumentation for tissue processing has been extremely beneficial to our field. However these improvements must be considered when designing the processing schedule. Processing schedules used on an older model may not be optimal for “new and improved” tissue processors that work more effectively. This workshop will review the tissue processing steps with a close-up look at the real effect of the chemicals on the tissue. It then follows with a discussion of tissue processors (enclosed models, xylene free, reagent controlled, microwave), chemical reagents used and how to maximize both in programming the tissue processor.

11-12pm Lectures (A) 11-12pm Lectures (A) Dr. Daisy Sun, MD, PhD “Little things matter — smears preparation for cytology”

Daisy Sun, MD, PhD

Surgical and Cytopathologist

The University of Toledo Medical Center

In our demanding field of Histotechnology, many Histology professionals are being asked to assist with FNA procedures that are used for adequacy and preliminary diagnosis of palpable masses. This lecture will discuss some helpful hints for technical staff while assisting, proper smear preparation techniques (there is always more than one way) and show some case examples of the good, the bad and the ugly outcomes of some slide preparations.

Saturday, April 21, 2018 morning 8am-12pm lecture series B

8-9am Lectures (B) Dr. Lyn Wanchet (NAMSA) “Bone: Structure, Repair and Processing”

Bone is a unique combination of organic and inorganic components that work together to support movement and metabolism. This session will review bone macroscopic and microscopic structure and demonstrate how medical devices can be used to support bone repair. The talk will also address specific challenges encountered when processing bone for microscopic examination.

9:15-10:15am Lectures (B) Dr. Jean Thomas "The Gross and Wonderful World of Dermatopathology: the art of grossing and embedding skin specimens"

Dr. Jean E. Thomas, MD

Board Certified, Anatomic and Clinical Pathology and Dermatopathology

Consulting Pathologists Corporation

Mercy St. Vincent Medical Center, Department of Pathology

Toledo, OH

Objectives:

1. Illustration of grossing techniques for various types of skin specimens received in the laboratory.
2. Discussion of advantages and disadvantages of different grossing approaches to certain specimens (ex. oriented skin excisions).
3. Discussion of methods to help maintain orientation during embedding.

11-12pm Lectures (B) Dr. Scott Wendroth, "Large B-cell Lymphomas: The evolving role of immunohistochemistry in diagnosis, prognosis, and treatment"

Dr. Scott Wendroth, M.D.

Hematopathologist

Lima Pathology Associates

The World Health Organization (WHO) recently updated its classification of hematopoietic tumors. With the update came important changes in the way large B-cell lymphomas are classified. In this talk we'll discuss the ways immunohistochemistry is now being used for diagnostic and prognostic purposes, which can help guide treatment for this aggressive type of lymphoma.

12-1:30pm Lunch Buffet and Business meeting

HGI SIGNATURE BUFFET

Salad

Mixed Green Salad with Choice of Two Salad Dressings, Grilled Asparagus Salad with Roasted Onions & Mushrooms, Freshly Baked Rolls and Butter

Entrees- Garlic Encrusted Tenderloin with Horseradish Cream & Parmesan Dijon Mayo and Rosemary Thyme Grilled Chicken with Pesto Sauce & Sundried Tomato Aioli

Soup Broccoli Cheddar

Pasta- Penne Ala Vodka with Peas, Parmesan Cheese and Parsley

Chef's Selection of Assorted Desserts and Freshly Brewed Kona Blend Coffees, Iced tea and Tazo Teas

1:30-2:30pm Lecture (A) Lecture A Rhonda Blue SCT (ASCP) "The Evolution of Cervical Cancer Screening"

Rhonda Blue, C.T. (ASCP)

Account Executive, Women's Health

We will discuss weighing the Harms and Benefits of different Cervical Cancer Screening strategies.

Review the recent USPSTF draft recommendations for Cervical Cancer Screening.

How could this impact the laboratory, but test volume and workflow implications.

1:30-2:30pm Lecture (B) Dr. Tabari Baker, MS, Ph.D. "The Changing Diagnostic Landscape In Gynecological Malignancies"

Tabari Baker, Ph.D.

Scientific Affairs Manager

Roche Diagnostics Corporation

Tissue Diagnostics

The era of personalized medicine has highlighted the importance of appropriate diagnostic testing in determining patients that will benefit from the myriad of treatments available. As such, the molecular and immunohistochemical testing used for prognostic, diagnostic and therapeutic decision-making has changed significantly, particularly in gynecological malignancies. This talk will describe the current landscape of diagnostic testing in gynecological malignancies, briefly discuss the therapeutic implications, and describe some of the data that has led to this current testing landscape.

2:30-4:00pm Common Lecture Nicole Flanigan, PA and Dr. Amy Lynn, MD “What We Do Matters: How the Handling of Breast Specimens Has Led to Better Patient Care”

Dr. Amy A. Lynn, MD

Vice-Chair of Anatomic Pathology

Consultants in Laboratory Medicine – An Aurora Diagnostics Partner/ProMedica Laboratories

Nicole Flanigan, PA

Pathologists' Assistant

Consultants in Laboratory Medicine – An Aurora Diagnostics Partner/ProMedica Laboratories

Although patients may not realize how the Pathology department impacts their care, changes in how breast specimens are processed have led to accurate, reproducible predictive factor and molecular testing results that determine potential therapies and the timing of therapies. Handling of breast specimens before entering the gross pathology lab, in the gross lab and in histology are all pivotal in this transformational approach. Applying these well-learned lessons to all specimens has allowed our laboratories to be well prepared for future testing critical to patient care.