



The 10th Annual CAPA Diagnostic Course

Saturday, October 19th, and
Sunday, October 20th, 2024
LAS VEGAS, NEVADA

Organizing Committees:

Scientific Committee:

Chair: Linsheng Zhang, Co-Chairs: Xiaoying Liu, Larry Wang, X. Long Zheng

Members: Jian Chen, Haiyan Chen, Liam Chen, Yi Ding, Jingmei Lin, Linglei Ma, Qiuying Shi, Yihong Wang, Deyin Xing, Chen Zhang, Y. Helen Zhang, Miao Zhang, Xiaohui Zhang, Gord Zhu

Meeting Logistics and Organizing Team:

Chair: Wei Zhang; Co-Chair: Yiting Li

Members: Yanjun Hou, Belinda Sun, Huihong Xu, Huihui Ye

CME Working Group: Frances X. Feng, Rong Xia, G. Jeff Yang, Linsheng Zhang

Meeting information webpage: <https://zhang-edu.ue.r.appspot.com/capa10diag>

Conference Overview:

The 10th CAPA Diagnostic Course is a one and half day conference that brings together experts from all subspecialties of diagnostic pathology to provide comprehensive educational presentations on recent advances in diagnostic pathology and molecular testing of malignancies, focusing on updates of the disease classifications, addressing common diagnostic challenges encountered in daily practice. The course features didactic lectures and case-based presentations.

This year's keynote speakers include the renowned expert Dr. Zu-hua Gao from the University of British Columbia, who will discuss the practical approach to liver biopsy interpretation, and Dr. X. Long Zheng, a well-recognized physician-scientist from the University of Kansas Medical Center, who will provide insights with his own story on how a pathologist can contribute to improving patient care from bedside to bench, and to bedside again.

On Saturday, General Session #1 will cover topics including immunohistochemistry pitfalls in lung biopsies, diagnostic markers for triple-negative breast carcinoma, updates on medullary carcinoma and parathyroid neoplasms, and the application of TRBC1 in T-cell lymphoproliferative disorder work-up. The Anatomic Pathology Session includes presentations on pancreatic lesion biopsies, intraoperative consultations for genitourinary diseases, salivary gland entities, and endocervical glandular neoplasia. The concurrent Hematopathology, Pediatric Pathology, and Dermatopathology session covers cases of gastrointestinal Langerhans cell histiocytosis, somatic *UBA1* mutations in low-grade MDS, pediatric mature lymphomas with initial presentation in the bone marrow, and tips for diagnosing CTCL.

On Sunday, the Anatomic Pathology session includes discussions on atypical hepatocellular adenoma, cholangiocarcinoma, pancreaticobiliary cytopathology, small round cell sarcomas, and cervical lesions. The concurrent Clinical Pathology, Molecular Genetic Pathology, and Digital Pathology session features updates on molecular pathology for solid tumors, integrating AI in cytology, molecular hematopathology, and liquid biopsy applications. In the end, General Session #2 includes presentations on the methylation profile in CNS tumor diagnostics and the utility of ancillary studies and AI in urine cytology.

The diagnostic course also accepts posters to display interesting cases and clinical studies with educational values.

Learning Objectives:

- Gain profound knowledge across pathology subspecialties. Explore the intricacies of each subspecialty and acquire a comprehensive understanding of the latest developments on pathologic classifications.
- Master the art and science of diagnostic pathology in challenging diagnostic scenarios through case-based presentations and in-depth discussions, improving the quality of pathologic diagnosis in daily practice.
- Recognizing the common pitfalls, navigating complex cases more effectively, and minimizing diagnostic errors with better approaches.

Intended Audience:

This course is intended primarily for practicing pathologists, pathology trainees, and other health care professionals.

Registration:

Non-member: \$300; member: \$200; Speakers: \$100; associate member/pre-resident attendee and guest (for dinner reception only): \$100. Donations to the CAPA (a 501c(3) NPO) are welcome.

CME Information

Joint Providership Accreditation Statement

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the College of American Pathologists and the Chinese American Pathologists Association (CAPA). The College of American Pathologists is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The College of American Pathologists designates this live (or internet live) educational activity for a maximum of 9 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Disclaimer

The content of this accredited CE (CME) activity does not necessarily reflect the view or policies of the College of American Pathologists.

Meeting Agenda

10/19/2024 Saturday (Las Vegas Local Time)

- 7:30 AM Poster setup for anyone who brings a poster.
- 7:50 AM Opening remarks by the president

Keynote Presentations (Sierra Ballroom)

- 8:00 - 9:00 Anatomic Pathology Keynote Presentation

Moderator: Dr. Larry Wang (University of Southern California, Children's Hospital LA)

Liver biopsy interpretation: Practical approach.

Dr. Zu-hua Gao. Professor and Department Head, Pathology and Laboratory Medicine, The University of British Columbia.

- 9:00 - 10:00 Clinical Pathology Keynote Presentation:

Moderator: Dr. Linsheng Zhang (Emory University School of Medicine)

How can a pathologist contribute to improving patient care? A story from bedside to bench and to bedside again.

Dr. X. Long Zheng. Professor and Department Chair, Pathology and Laboratory Medicine, University of Kansas Medical Center.

General Session #1 (Sierra Ballroom). Moderator: Dr. Beverly Wang (University of California, Irvine, Medical Center)

- 10:15 - 10:45 From Uncommon to Common in Routine Practice: Immunohistochemistry Pitfalls in Small Lung Biopsies. By **Dr. Jian Jing.** University of Colorado Anschutz Medical Campus
- 10:45 - 11:15 Diagnostic Markers for Triple Negative Breast Carcinoma. By **Dr. Qingqing Ding.** MD Anderson Cancer Center
- 11:15 - 11:45 WHO Update of Medullary Carcinoma and Parathyroid Neoplasm. By **Dr. Tieying Hou.** Indiana University
- 11:45 - 12:15 Application of TRBC1 in T-cell Lymphoproliferative Disorder Work-up: A Flow Cytometric and Immunohistochemical Approach. **Dr. Jiehao Zhou.** Mayo Clinic Arizona

12:15 - 1:30 PM: Lunch break

12:30 - 1:15 PM: Non-CME activity (Boulder Studio B):
Sponsor presentations. Moderator: Dr. Wei Zhang

Concurrent session #1 (Sierra Ballroom): Anatomic Pathology.

Moderator: Dr. Xiaoying Liu (Dartmouth Geisel School of Medicine)

- 1:30 - 1:55 PM Fine Needle Biopsies for Uncommon Pancreatic Lesions: Overcoming Diagnostic Hurdles and Avoiding Pitfalls. By **Dr. Min Cui.** University Hospitals Cleveland Medical Center/Case Western Reserve University
- 1:55 - 2:20 PM Common and Challenging Issues in Intraoperative Consultations for Genitourinary Diseases. By **Dr. Huihui Ye.** Cedars-Sinai Medical Center

- 2:20 - 2:30 PM Break

Moderator: Dr. Qiuying Shi (Oregon Health Science University)

- 2:30 - 2:55 PM Diagnosis and Differential Diagnoses of New Salivary Gland Entities. By **Dr. He Wang**. Yale University
- 2:55 - 3:20 PM Selective Diagnostic Challenges of Endocervical Glandular Neoplasia. By **Dr. Wenxin Zheng**. University of Texas Southwestern Medical Center

Concurrent session #2 (Boulder Studio A): Hematopathology / Pediatric pathology / Dermatopathology. Moderator: Dr. Xiaohui Zhang (Moffitt Cancer Center)

- 1:30 - 1:55 PM Clinicopathologic Features of Gastrointestinal Langerhans Cell Histiocytosis. By **Dr. Shaomin Hu**. Cleveland Clinic
- 1:55 - 2:20 PM Somatic *UBA1* Mutation Predispose Male Patient to Low Grade MDS. By **Dr. Peng Li**. University of Utah
- 2:20 - 2:30 PM Break
- 2:30 - 2:55 PM (Pediatric hematopathology) Pitfalls in the Diagnosis of Pediatric Mature Lymphomas with Initial Presentation in the Bone Marrow. **Dr. Dehua Wang**. Rady Children's Hospital UCSD
- 2:55 - 3:20 PM (Dermatopathology) Diagnosis of CTCL: Challenge and Tips. By **Dr. Jing Zhang**. Carolinas Dermatology and Plastic Surgery

3:30 PM Group photos

Dinner Party at Rio KJ Dim Sum & Seafood

10/20/2024 Sunday (Las Vegas Local Time)

Concurrent Session #3 (Sierra Ballroom): Anatomic Pathology.

Moderator: Dr. Haodong Xu (Wake Forest University School of Medicine)

- 8:00 -8:25 Hepatobiliary pathology:
 1. Defining Atypical Hepatocellular Adenoma: an Existing Or Arbitrary Entity At the Transition of Benign Versus Malignant Hepatocellular Neoplasm. By **Dr. Lee-Ching Zhu**. University of North Carolina at Chapel Hill
 2. What's New in Cholangiocarcinoma: Unveiling a Versatile Liver Lump. By **Dr. Xiaotang Du**. UCLA department of pathology and lab medicine
- 8:25 - 8:50 WHO Reporting System for Pancreaticobiliary Cytopathology: Review, Application, and Ancillary Testing. By **Dr. Qun Wang**. Emory University School of Medicine
- 8:50 - 9:00 Break
- 9:00 - 9:25 Undifferentiated Small Round Cell Sarcomas. By **Dr. Shaoxiong Chen**. Indiana University
- 9:25 - 9:50 Cervical Lesions: Is It a Carcinoma? By **Dr. Yanjun Hou**. Wake Forest University

Concurrent Session #4 (Boulder Studio A): Clinical Pathology, Molecular Genetic Pathology and Digital Pathology. Moderator: Dr. Linsheng Zhang (Emory University School of Medicine)

- 8:00 -8:25 Molecular Pathology Updates on Solid Tumors. By **Dr. Wei Zhang**. University of Kansas Medical Center.

- 8:25 - 8:50 Enhancing Cytology Practice: Integrating AI and Recent ASC Guidelines for Precision Diagnosis. By **Dr. Xiaoying Liu**. Dartmouth Hitchcock Medical Center.
- 8:50 - 9:00 Break
- 9:00 - 9:25 Achieving Success in the MolDx: The Molecular Hematopathology Perspective. By **Dr. Yi Ding**. Geisinger Medical Center
- 9:25 - 9:50 Clinical Applications of Liquid Biopsy for Cancer: Challenges and Opportunities. By **Dr. Gang Zheng**. Mayo Clinic

General Session #2 (Sierra Ballroom)

Moderator: Dr. Yu Helen Zhang (University of Texas Health Science Center at Houston)

- 10:00 - 10:30 Methylation Profile in CNS Tumor Diagnostics. By **Dr. Liam Chen**. University of Minnesota
- 10:30 - 11:00 Ancillary Studies and Artificial Intelligence: Are They Useful in Urine Cytology? By **Dr. Juan Xing**. Cleveland Clinic

Poster Session (Chair: Dr. Xiaoying Liu)

Faculty List (Alphabetically by Last Name)

Shaoxiong Chen, MD, PhD, Professor, Indiana University
 Liam Chen, MD, PhD, Professor, Director of Neuropathology, University of Minnesota
 Min Cui, MD, PhD, Assistant Professor, University Hospitals Cleveland Medical Center/Case Western Reserve University
 Qingqing Ding, MD, PhD, Associate Professor, MD Anderson Cancer Center
 Yi Ding, MD, PhD, Associate Professor, Geisinger Medical Center
 Xiaotang (Alison) Du, MD, MS, Assistant Clinical Professor, UCLA department of pathology and lab medicine
 Zu-hua Gao, MD, PhD, FRCPC, Professor and Department Head, University of British Columbia
 Tieying Hou, MD, PhD, Assistant Professor, Indiana University
 Yanjun Hou, MD, PhD, Assistant Professor, Wake Forest University
 Shaomin Hu, MD, PhD, Assistant Professor, Staff Pathologist, Cleveland Clinic
 Jian Jing, MD, PhD, Assistant Professor, Department of Pathology at University of Colorado Anschutz Medical Campus
 Peng Li, MD, PhD, Associate Professor, University of Utah
 Xiaoying Liu, MD, MS, Associate professor, Dartmouth Hitchcock Medical Center
 He Wang, MD, PhD, Director, Associate Professor, Yale University
 Dehua Wang, MD, Clinical associate professor, Rady Children's Hospital UCSD
 Qun Wang, MD, PhD, Assistant Professor, Emory University School of Medicine
 Juan Xing, MD, Associate Professor, Cleveland Clinic
 Huihui Ye, MD, Director of Genitourinary Pathology, Cedars-Sinai Medical Center
 Jing Zhang, MD PhD, Physician, Carolinas Dermatology and Plastic Surgery
 Wei Zhang, MD, PhD, Assistant Professor, University of Kansas Medical Center
 X. Long Zheng, MD, PhD, Professor and Department Chair, Pathology and Laboratory Medicine, University of Kansas Medical Center
 Wenxin Zheng, MD, Professor, University of Texas Southwestern Medical Center
 Gang Zheng, MD, PhD, Professor, Consultant, Mayo Clinic
 Jiehao Zhou, MD PhD, Senior Associate Consultant, Mayo Clinic Arizona
 Lee-Ching Zhu, MD, Associate Professor, University of North Carolina at Chapel Hill