Congratulations to all who helped make the joint 21st International Congress of Cytology and the 70th Annual Scientific Meeting of the American Society of Cytopathology (ASC) a tremendous success! As we move to our 71st year, I am proud to say that the American Society of Cytopathology is more vigorous than ever. Our first 70 years established our Society as preeminent in cytopathology education, now we have to maintain a strong educational foundation while embracing the future advances that will surely change many facets of not only our cytopathology practice, but likely our Society. We will continue to present very strong educational programs that offer traditional training, as well as promote new advances in our field.

DIGITAL CYTOLOGY: Embrace Your Future

Pathology informatics has evolved to varying levels around the world. This has become an important pillar for almost everything we do in pathology. There are familiar stories of individuals from labs in many countries solving problems that arise in their clinical practice by employing novel digital technologies to enhance efficiency and to better manage laboratory information.1 However, barriers such as poor IT infrastructure, budgetary limitations, and regulatory issues continue to hinder adoption, even of digital cytology. The COVID-19 pandemic catalyzed the global adoption of digital pathology.
Digital cytology technology continues to evolve. Emerging technology trends include: laboratory automation; telecytology (for ROSE); whole slide imaging (WSI); mobile health (including social media); bedside advanced imaging; artificial intelligence (AI); and virtual education. Who knows what is on the horizon for the future.

As cytologists, it is important that we work with our industry partners to assist with developing and implementing new technologies. Academic Industry Partnership (AIP) helps translate technology and complete the innovation cycle within academic health systems. The AIP may include any number of participants and organizations necessary to assemble expertise and knowhow for effective execution. These programs help stimulate innovation, fund translational research, and thereby ultimately benefit patients. Working together is a win-win relationship.

Two task groups have been established this year to address digital cytology in the cytopathology laboratory.

**#1 Digital Cytology White Paper Task Force**

This special task force lead by Dr. Ziabo Li will investigate the feasibility of incorporating digital cytology into the workflow of the laboratory and its impact on pathologists and cytologists. This group of experts will prepare a white paper that also addresses the value and issues related to artificial intelligence in cytology. Look for their survey soon.

**#2 Telecytology Validation Task Force**

This task force will develop an evidence-based telecytology validation document providing an overview of what is recommended to properly verify and validate a telecytology system for ROSE. Dr. Oscar Lin will lead this group and share their advice in a presentation at the Annual Meeting in Austin, Texas.

Clearly, we have some terrific opportunities and interesting challenges ahead. Put on your seatbelt and enjoy the ride! The ASC has always made the most of the former and has successfully mastered the latter. I hope to see everyone at the 71st Annual Scientific Meeting in Austin, Texas, in November. More than ever, I look forward to serving as your President this year.

**References**


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**JASC: New Editor-in-Chief**

The ASC Executive Board is pleased to announce that, effective January 2023, Dr. Paul A. VanderLaan became the NEW Editor-in-Chief of *Journal of American Society of Cytopathology (JASC)*.

Dr. Paul VanderLaan is presently the Director of Cytopathology and Director of Thoracic Pathology of the Department of Pathology Beth Israel Deaconess Medical Center, Boston, Massachusetts. In addition, he is Associate Professor of Pathology at Harvard Medical School.

Dr. VanderLaan has been a member of the journal’s editorial board since 2017, first serving as a section editor for fine needle aspiration cytology. Since 2019, he has been one of three Associate Editors for the journal, over which time he handled the peer-review process for nearly 70 submitted manuscripts. In addition, he personally peer-reviewed over 30 manuscripts for *JASC*, and published 11 articles in the journal to date.

We are excited to have Dr. VanderLaan in the position to build on the work of past editors and to add brilliance to *JASC*, and for the journal to reach new heights.

We appreciate the countless hours and dedication that the outgoing Editor-in-Chief, Dr. Dina Mody gave to support *JASC*. While her tenure as Editor-in-Chief has ended, we know her continued involvement in ASC, *JASC*, and the field of cytopathology will remain!

We encourage ASC Members to stay involved by serving as a reviewer or volunteering at ASC. Visit us online jascyto.org or contact asc@cytopathology.org with questions.

Follow us on Twitter @JASCJOURNAL

*JASC is OUR Journal!*
The world of cytology came together in Baltimore, Maryland, USA, for the 21st International Congress of Cytology held jointly with the 70th Annual Scientific Meeting of the American Society of Cytopathology (ASC) from November 15-20, 2022. The Inner Harbor of Baltimore provided a beautiful backdrop for more than 685 attendees from 51 countries, including 113 representatives from 30 commercial exhibitors, to enjoy inspiring and challenging educational sessions. This Joint Session provided over 41 hours of education that included General Sessions, 13 Symposia, 22 Platform Presentations, 17 Cytology Short Courses, 17 Cytology Short Courses, 20 Video Microscopy Tutorials, 5 Panel Discussions, Roundtable Discussions, 10 Microscopic Workshops, 20 Sign-out with the Professor sessions, Strategies in Cytology Education, USFNA Course, IAC Tutorial, and 136 Poster Presentations.

The Scientific Program Committees of both IAC and ASC volunteered countless hours to create a high-quality scientific program. The general sessions included the popular ASC Diagnostic Cytology Seminar, the ASC Leopold Koss Lectureship: “Delayed, Deferred or Lost Care: How the COVID-19 Pandemic Changed Care and Workforce Patterns in the US,” presented by Dr. Ravi Parikh, University of Pennsylvania; the IAC Lectureship: “How I’ve Learnt to Stop Worrying and Love Genomics,” presented by Dr. Jorge Sergio Reis-Filho, Memorial Sloan Kettering Cancer Center; and the ASC New Frontiers Lecture: “CODA: Mapping Large Volumes of Tissues and Tumors at Single-Cell Resolution,” presented by Dr. Denis Wirtz, Johns Hopkins University. The Congress also featured a variety of innovative symposia, focusing on existing and new reporting systems in cytopathology from the WHO, targeted topic-based workshops, video microscopy tutorials, and sign-out with the professor sessions. Attendees were able to engage with program faculty who are at the forefront of cytopathology, presenting the latest advances, current perspectives, and critical issues in the field.

The WorldVision Cytopathology Contest (WCC), held on Thursday morning, is a global outreach initiative providing a platform for fostering close international relationships. The WCC encouraged an exchange of scientific knowledge and goodwill by offering a unique cytopathology case-based competition and an award to the winner. The top four finalists—Esma Ersoy, MD, United States; Diana Jaravaza, MD, South Africa; Tania Labiano, MD, Spain; and Lavisha S. Punjabi, MD, Singapore—presented interesting cytopathology cases to a jury during the Congress. The international jury panel consisted of Maria D. Lozano, MD, PhD, MIAC (Spain), Gary M. Tse, MBBS (Hong Kong); Deepali Jain, FIAC (India); and Panagiota Mikou, MD, MSc, PhD, FIAC (Greece). The jury and the audience voted on the best presentation. The 2022 winner was Dr. Diana Jaravaza from the National Health Laboratory Service, Tygerberg Hospital, Cape Town, South Africa, who presented a fascinating and rare case of secretory carcinoma of the salivary gland.

The Congress also honored members of the International Academy of Cytology and the American Society of Cytopathology who have made significant and lasting impacts on the field of cytology during the Award presentations and the Closing Ceremonies on Saturday afternoon. The awardees include:

NEXT GENERATION CYTOLOGY!
BALTIMORE - 2022

Fernando C. Schmitt, MD, PhD, FIAC
International Academy of Cytology
President, 2022

Martha B. Pitman, MD, FIAC
American Society of Cytopathology
President, 2022

NEXT GENERATION CYTOLOGY!
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Fernando C. Schmitt, MD, PhD, FIAC
International Academy of Cytology
President, 2022

Martha B. Pitman, MD, FIAC
American Society of Cytopathology
President, 2022
IAC Achievement Awards

2020
**Maurice Goldblatt Award**
Andrew S. Field, MB, BS, FIAC, FRCPA

2021
**Maurice Goldblatt Award**
Marianne Engels, MD, FIAC

2022
**Maurice Goldblatt Award**
Ashish Chandra, MD, FRCPath, DipRCPath (Cytol)

2020
**International Cytotechnologist of the Year**
Masami Nambu, PhD, CT(IAC)

2021
**International Cytotechnologist of the Year**
Jen-Sheng Ko, BS, CFIAC

2022
**International Cytotechnologist of the Year**
Donna K. Russell, Med, CT(ASCP), HT(ASCP), CFIAC

**IAC Honorary Membership**
Shirley E. Greening, MS, JD, CFIAC

**Kazumasa Masubuchi Life-Time Achievement in Clinical Cytology Award**
Daisuke Aoki, MD, PhD, MIAC

**George L. Wied Award**
Torill Sauer, MD, PhD
IAC Achievement Awards (Continued)

James W. Reagan Award
Colleen Wright, MBBCh, FCPath, MRCPath, FIAC

The Scientific Program Committees of both IAC and ASC volunteered countless hours to create a high-quality scientific program.

ASC Achievement Awards

Papanicolaou Award
Michael R. Henry, MD

Cytotechnologist Award for Outstanding Achievement
Janie Roberson, BS, SCT(ASCP)CM

Excellence in Education Award
Amber Donnelly, PhD, MPH, SCT(ASCP)

International Achievement Award
Esther Diana Rossi, MD, PhD

President’s Award
Zubair Baloch, MD, PhD

Volunteer Appreciation Award
Swikrity Upadhyay Baskota, MD
The IAC and ASC honored Platform or Poster Presenters rewarding research excellence and promoting the professional development of early career investigators. The leaders of the IAC and ASC created a joint Research and Current Concepts Committee who selected the recipients of the following abstract awards:

### IAC/ASC Quality Improvement in Cytology Abstract Award
**Comparison of Low-Cost Phantoms for Ultrasound Guided Fine Needle Aspiration Biopsy Teaching**

**Xiaofeng Zhao, MD, PhD, Esma Ersoy, MD, Dianna Ng, MD**

Memorial Sloan Kettering Cancer Center, New York, New York

### IAC/ASC Geno Saccomano, MD, New Frontiers in Cytology Award
**A Novel Preservation Method of Improving DNA Stability for Liquid-Based Cytology Specimens Using a Lung Adenocarcinoma Cell Line**

**Yukiko Matsuo, PhD, Tsutomu Yoshida, MD, PhD, Kazuya Yamashita, PhD, Dai Sonoda, MD, PhD, Masashi Mikubo, MD, PhD, Yukitoshi Satoh, MD, PhD**

Kitasato University Hospital, Kanagawa, Japan

### IAC/ASC Advances in Thyroid Cytology Award
**The Utility of Thyroseq in the Triage of Indeterminate Lesions in Thyroid Cytology with Microfollicular Architecture and Predominance of Hurthle Cells**

**Matthew Turner, MD, Christopher Sullivan, MD, MPH, Mackenzie Jones, Dorbin Abendano, MD, Maria Cecilia Reyes, MD**

Medical University of South Carolina, Charleston, South Carolina

### IAC/ASC Cytotechnologist Scientific Presentation Award
**Approach to Out-of-Range Performance Indicators: A Quality Assurance Study**

**Karen Chau, MBA, CT(ASCP), Cecilia Gimenez, MD, Deepika Savant, MD, Peter Farmer, MD, Seema Khutti, MBBS, Kasturi Das, MD, Priyanka Karam, MD**

Northwell Health, Greenvale, New York

### IAC/ASC Innovative Cytotechnologist Practice Abstract Award
**Telecytology Rapid Onsite Evaluation, with Real-time Communication between Cytopathologist, Cytotechnologist and Operator, Offers Better Adequacy Rates for Lymph Node Fine Needle Aspirations**

**Allison Goldberg, MD, Kelly Doxzon, MBA, CT (ASCP)**

Thomas Jefferson University Hospital, Philadelphia, Pennsylvania
IAC/ASC Warren R. Lang, MD Resident’s Physician Award
A Rotation of ROSEs: Workload and Reimbursement Analysis of System-wide Telecytology ROSE Coverage in a Multi-site Rural Health System
Terrance Lynn, MD, MS, MHCI, Sara Monaco, MD, Renee Frank, MD, Michelle Pramick, MD, Fan Lin, MD, PhD
Geisinger Medical Center, Danville, Pennsylvania

ASC Excellence in Diversity, Equity & Inclusion Research Award
Urine Cytology in Patients with Gender Confirmation Surgery and Hormone Therapy: Highlighting the Performance of Urine Cytology in an Underserved Patient Population
Chien-Kuang Cornelia Ding, MD, PhD, Christopher VandenBussche, MD, PhD, Carlo De la Sancha, MD, Nancy Greenland, MD, PhD, Poonam Vohra, MD
University of California, San Francisco, San Francisco, California; Johns Hopkins University, Baltimore, Maryland

The Dr. Bernard Naylor Excellence in Cytomorphology Award
The Dr. Bernard Naylor Excellence in Cytomorphology Award highlights one of our most important skills in the field of our practice: Morphologic observation.

The 2022 Dr. Bernard Naylor Excellence in Cytomorphology Award winner was presented to Dr. Kartik Viswanathan for the article, Cytomorphologic Features of Intraductal Salivary Gland Carcinoma: A Multi-Institutional Study of 13 FNA Cases with Histologic, Molecular, and Clinical Correlations.

The Congress concluded with a very special festive evening to “cell-ebrate” the field of cytology: The Cell-ebration Baseball Bash, was held at the famous Oriole Park at Camden Yards, home of the Baltimore Orioles Major League Baseball team. The dance floor was full the entire night with friends from around the world “cell-ebrating” the historic, in-person, truly joint meeting of the IAC and ASC.

A special thank you goes to Dr. Zubair Baloch, Chair of the ASC Scientific Program Committee, and to Dr. Syed Ali, Chair of the IAC Program Committee. In addition, a big thank you goes to the ASC Team of Beth Jenkins, Sondra Forman, JoAnn Jenkins, Patty Huff, Jaime Rice, and Sandy Hitchens, and to Ms. Allison Austin of the IAC Central Office.

As the Congress came to a close, the Italian Planning Committee shared a beautiful video inviting everyone to Florence for the 22nd International Congress of Cytology in 2025. The ASC invites everyone to Austin, Texas, next year for the 71st Annual Scientific Meeting. Please join the IAC and ASC for more information on upcoming educational events.

It’s a WRAP! Click here and Enjoy our Closing Video.
Executive Board Members are elected to serve a four-year term on the Board. Board Members are expected to regularly attend Board meetings, to exercise the diligence, review reports and issues with extreme care and question policy and procedures as though they were owners of the corporation.

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PAST PRESIDENT
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Massachusetts General Hospital
Boston, Massachusetts
A Case Study of a 68-year-old Woman with a Pancreatic Head Mass

Padmini Manrai, MD
Yale School of Medicine
New Haven, CT

He Wang, MD
Yale School of Medicine
New Haven, CT

Disclosure: None

Continuing Medical Education (CME): The American Society of Cytopathology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Society of Cytopathology designates this enduring educational activity for a maximum of 1 AMA PRA Category 1 credit(s).™ Physicians should only claim credit commensurate with the extent of their participation in the activity.

American Board of Pathology Maintenance of Certification (MOC): This product can help fulfill the CME requirements and Self-Assessment Modules (SAMs) mandated by the American Board of Pathology MOC process.

Continuing Medical Laboratory Education (CMLE): The ASC designates this activity for the indicated number of CMLE credit hours and also fulfills requirements of the ABMS to participate in the Maintenance of Certification program.

This program is approved for continuing education credits in the State of Florida for 1 credit and the State of California for 1 credit.

Disclosure for Education Planners

Review the Case Study and visit the ASC Web site to take the test for Continuing Education Credit.

Clinical History

A 68-year-old female with a history of invasive breast cancer 5 years ago status post lumpectomy, radiation therapy, and hormone therapy with an aromatase inhibitor underwent a computed tomography (CT) abdomen as part of a work-up for anemia and a hyper-enhancing 0.8 cm mass in the head of the pancreas was incidentally identified. Over the next 6 months, the patient had two endoscopic ultrasounds (EUS), one of which was able to visualize the mass and a fine needle aspiration (FNA) was performed. The results were non-diagnostic with predominantly bland pancreatic acinar tissue present. Two months later the patient returned again for EUS with FNA and a rapid on-site evaluation (ROSE) was requested. On EUS a small, 0.8 x 0.5 cm circumscribed mass was located on the pancreatic duct. Visualization on EUS was challenging, as this mass was almost isoechoic with the surrounding pancreatic parenchyma. The pre-test images show the smeared Diff Quik stained slide from the ROSE as well as the smeared Pap stained slide and cell block with H&E stain.

Cytopathology Features:

Smears of pancreatic neuroendocrine neoplasms (PanNENs) are highly cellular, so-called “solid-cellular” pattern, and comprised of monotonous, small round cells arranged predominantly as dispersed isolated single cells and bare nuclei. Occasional pseudorosettes and loosely cohesive flat sheets can also be seen. The cells are monomorphic with an intermediate-sized nucleus that is often eccentrically located giving a plasmacytoid appearance. Characteristic nuclei are round and have finely stippled salt and pepper chromatin with or without a prominent nucleolus. Cells usually have moderate amounts of finely granular cytoplasm, but “naked” nuclei may also be seen on smears. Bi- and multinucleation is common. Immunohistochemistry can be helpful in supporting the diagnosis of PanNENs. Neuroendocrine markers, synaptophysin, chromogranin, and INSM1 will be positive while BCL10, a marker of normal acinar cells, will be negative. Ki-67 proliferation index should be performed for grading neuroendocrine neoplasms.
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Telecytology Validation: Is There a Recipe For Everybody?

CONTACT US AT asc@cytopathology.org or (302) 543-6583
Medical Laboratory Professionals Week

#LABWEEK – April 23-29, 2023

Medical Laboratory Professionals Week (MLPW), now in its 47th year, takes place the last full week in April each year. MLPW is coordinated by a collaborative committee with representatives from 17 national clinical laboratory organizations, including the ASC. MLPW helps increase recognition for the profession as it improves the individual practitioner’s sense of self-worth. As team members of one of the largest industries in the United States, the dedicated efforts of laboratory professionals often go unnoticed by the general public, as well as by the very institutions employing their services. With the public now demanding the assurance of quality health care and professional accountability, organizations representing practitioners of this critical science have a responsibility to ensure that the public is well informed about clinical laboratory competency.

Many labs plan displays, open houses, and various other activities in their institutions or local areas. Some have obtained proclamations by mayors or governors while others have been featured on local TV and radio stations. MLPW has been successful in increasing the recognition of clinical laboratory science among the healthcare community and general public. What will your lab plan for this year’s MLPW?