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Society for Pediatric Pathology
c/o US and Canadian Academy of Pathology
3643 Walton Way Extension
Augusta, Georgia 30909
Phone: 706-364-3375, email: spp@uscap.org
PROGRAM NEEDS ASSESSMENT

The practice of pediatric pathology requires up to date knowledge of the diseases affecting children, including their scientific basis, clinical spectrum, pathologic classification, and current research activities. The Society for Pediatric Pathology Annual Meeting is intended as an ongoing resource to meet the educational needs of pediatric pathologists, general pathologists whose practice includes pediatric pathology, pediatric pathology fellows, and pathology residents.

PROGRAM OBJECTIVES

The objectives of the Society for Pediatric Pathology Annual Meeting are:

1) To provide in the scientific sessions a forum for the presentation and discussion of current clinical problems and research activities in pediatric pathology.

2) To provide in the symposium a comprehensive treatment of the basic science, pathologic and clinical aspects of a specific topic.

3) To provide in the elective workshops practical instruction from recognized expert pathologists on specific areas of pediatric pathology.
CONTINUING MEDICAL EDUCATION ACCREDITATION

The Society for Pediatric Pathology is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Society for Pediatric Pathology designates this educational activity for a maximum of 15.0 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Category I Credit Hours:

Scientific Sessions .................................................. 7.5 hours
(Proffered Papers & Poster Sessions including Discussions)

Symposium ............................................................. 3.0 hours

Farber-Landing Lecture ........................................... 1.0 hour

Workshops .......................................................... 2 hours each

DISCLOSURE

In accordance with ACCME guidelines, all speakers and presenters have indicated that they have no significant or other relationship with a commercial company, entity or service (which would be discussed in this educational program) to disclose. The SPP has also required that the speakers disclose any products that are not labeled for the use under discussion and that the disclosure be made to the audience at the time of presentation.
PROGRAM SUMMARY

FRIDAY, February 29
Registration – Convention Center Lobby A 2:00 PM - 7:00 PM

SATURDAY, March 1
Registration – Convention Center Lobby A 7:00 AM - 6:00 PM

Platform Presentations:
1A (Pediatric) – Convention Center 103 8:00 AM - 9:30 AM
1B (Perinatal) – Convention Center 102/104 8:00 AM - 9:30 AM
Poster Viewing – Convention Center 105 8:00 AM - 6:00 PM
Break and Poster Viewing – Convention Center 105 9:30 AM - 10:30 AM
Poster Discussion 1 – Convention Center 102/104 10:45 AM - 12:00 PM

SYMPOSIUM – Convention Center 102/104/106 1:30 PM - 5:00 PM
"Endocrine Pathology"

Lotte Strauss, Vawter, Neustein Awards - CC 102/104/106 5:00 - 5:15 PM
Business Meeting – CC 102/104/106 5:15 PM - 6:00 PM
Banquet 7:00 PM
Program Summary, Continued

**SUNDAY, March 2**

**Registration** – Convention Center Lobby A  7:00AM –  2:00 PM

**Platform Presentations:**
2A (Pediatric GI) – Convention Center 103  8:00 AM – 10:00 AM
2B (Pediatric Oncology) – Convention Center 102/104  8:00 AM – 10:00 AM
Break  10:00 AM– 10:45 AM
Poster Viewing – Convention Center 105  8:00 AM –  10:45 AM

**Poster Discussion 2** – Convention Center 102/104  10:45 AM – 11:30 AM

Farber-Landing Lecture-Convention Center 102/104/106  11:30 - 12:30 PM
“*Pediatric Pulmonary Pathology – How I Learned to Love the Lung*”
Dr. Claire Langston, Texas Children’s Hospital, Houston, TX

**Workshops:**  Sessions A/B/C from 1:30 – 3:30 and Sessions D/E/F from 4:00 – 6:00
Session Chairs: Csaba Galambos and Miguel Reyes-Mugica

NOTE: The number following the abstract title corresponds to the number in the Book of Abstracts

8:00 Complications Following Stages I And II Hybrid Repair For Hypoplastic Left Heart Syndrome (HLHS) (1)
L Urs, M Galantowicz, A Phillips, J Cheatham, A Hughes, P Baker, Nationwide Children's Hospital, Columbus, OH

8:15 Respiratory Syncytial Virus (RSV) Pneumonitis in Mice is Associated with Persistent Inflammation, Chronic Respiratory Dysfunction, and RSV RNA Persistence (2)
AM Gomez, MA Mejias, S Chavez-Bueno, JP Torres, H Jafri and O Ramilo, University of Texas Southwestern Medical School and Children's Medical Center, Dallas, TX

8:30 Congenital Cystic Adenomatoid Malformations Demonstrate Selective Epithelial Proliferation During Fetal Life (3)
PA Kreiger, EM Behrens, LW Gonzales, PL Ballard, Children's Hosp of Philadelphia, Univ of Penn, Philadelphia, PA; UCSF, San Francisco, CA

8:45 Multicystic Renal Dysplasia: With Or Without Obstruction? That Is The Question (4)
Cajaiba MM, Mariño-Enríquez A, Reyes-Múgica M, Departments of Pathology, Baystate Medical Center, Tufts University, Springfield MA; Hosp Universitario La Paz, Madrid, Spain; and Yale School of Medicine, New Haven, CT

9:00 Spectrum Of Lung Disease In Immunocompromised Children (2-18 Years): A Multi-Institutional Study Of The Children's Interstitial Lung Disease (ChILD) Research Cooperative (5)
C Galambos, M Dishop, F White, R Deterding, L Young, C Langston and the Pathology Cooperative Group: F Askin, P Baker, C Cool, P Chou, S Coventry, E Cutz, G Deutsch, P Kreiger, K Patterson, J Pugh for the ChILD Research Cooperative

9:15 Neuroendocrine Cell Hyperplasia of Infancy (NEHI): Defining the Histologic Spectrum (6)
LR Young, TH Inge, AS Brody, C Langston and GH Deutsch, Cincinnati Children's Hospital and Texas Children’s Hospital

9:30 Break and Poster Viewing
PLATF ORM SESSION 1B  Saturday, March 1
Perinatal - Convention Center 102/104  8:00 – 9:30 AM

Session Chairs: Sarah Keating and Jim Wright

NOTE: The number following the abstract title corresponds to the number in the Book of Abstracts

8:00 Increased Number of Migratory Trophoblastic Cells in Placental Membranes with Microscopic Chorionic Pseudocysts (7)
Jerzy Stanek, Department of Pathology, Christchurch School of Medicine and Health Sciences, University of Otago, Christchurch, New Zealand

8:15 Post Mortem Imaging of Fetal Central Nervous System Malformations (8)
P Shannon, E Widjaja, D Chitiyat, S Blaser, Mount Sinai Hospital, Toronto; Hospital for Sick Children, Toronto Canada

8:30 Placental Pathology Correlates with Low First Trimester Serum Pregnancy Associated Placental Protein A (PAPP-A) (9)
Sarah Keating, Leslie Proctor, David Chitayat, John Kingdom, Mount Sinai Hospital, University of Toronto, Canada

8:45 Soluble VEGF Receptor-1 Is Overexpressed In Placentas With Abruption (10)
A Saleemuddin, A Shahsafaei, MM Parast, Brigham and Women's Hospital, Boston, MA

9:00 Adverse Obstetric And Neonatal Outcomes And Umbilical Cord Abnormalities In Placentas With Fetal Thrombotic Vasculopathy (11)
A Saleemuddin, TK Boyd, MM Parast, Brigham and Women's Hospital, Boston, MA; Children's Hospital, Boston, MA

9:15 Performance Characteristics Of Criteria For Fetal Vascular Thrombosis In Stillbirth Placentas (12)
T Boyd, K Chikwava, M Guzman, K Kurek, R Fan, C Crum, M Parast, Children's Hospital Boston and Brigham and Women's Hospital; Boston, MA

9:30 Break and Poster Viewing
10:45  1. Association of High Expression of Bcl-6 and/or CD10 with Monomorphic Post Transplant Lymphoproliferative Disorders in Pediatric Patients (29)
G Gheorghe, CC Porter, EA Albano, X Liang, University of Colorado, Denver, CO; The Children's Hospital, Denver, CO

10:50  2. Transbronchial Biopsy in Infant Lung and Heart-Lung Transplant Recipients (30)
L Stevens, T Astor, M Galantowicz, A Phillips, P Baker, Nationwide Children's Hospital, Columbus, OH

10:55  3. Sclerosing Stromal Tumor: An Important Differential Diagnosis Of Ovarian Neoplasms Frequently Missed In Childhood And Adolescence (31)
K Gwin, A Mario-Enriquez, M Martel, M Reyes-Mugica1, Departments of Pathology and Pediatrics, Yale University School of Medicine, New Haven, CT, USA; Departamento de Anatomia Patologica, Hospital Universitario La Paz, Madrid, Spain

11:00  4. Lymphocyte Behavior in Eosinophilic Esophagitis (32)
Jailan M. Osman, MD, MS, James P. Franciosi, MD, MS, Eduardo. D Ruchelli, MD, The Children's Hospital of Philadelphia; University of Pennsylvania School of Medicine

11:05  5. Characterization of Pre-B Cell Acute Lymphoblastic Leukemia MicroRNA Libraries Using High-Throughput Pyrosequencing and Specimen Barcoding (33)
SD Boyd, CY Park, AZ Fire, Stanford University, Stanford, CA

11:10  6. Preliminary Analysis of the ETV6-NTRK3 Transcript Within the Cellular and Classic Components of Mixed Congenital Mesoblastic Nephroma (34)
J Bonadio, EJ Perlman, CM Coffin, L Jennings, University of California, Irvine, Orange CA; Children's Memorial Hospital, Northwestern University, Chicago IL; University of Utah, Salt Lake City, UT
11:15  7. Cystic Nephroma Shows No Deletions in WTX (35)
KR Chikwava, MN Rivera, M Han, AJ Iafrate, SO Vargas, Children's Hospital & Mass. General Hospital, Harvard Medical School, Boston, MA

RC Reed, RP Kapur, JR Siebert, Children's Hospital and Regional Medical Center, Seattle, WA

11:25  9. Chromogenic in Situ Hybridization (CISH) for Detection of Epidermal Growth Factor Receptor (EGFR) Copy Number to Determine the Neoplastic Nature of Ganglion Cells in Glioneuronal Neoplasms (37)
AG Saad, M Guzman, KL Ligon, Brigham and Women's Hospital and Children's Hospital, Boston, MA

11:30  10. Eosinophilic Esophagitis in a Pediatric Population of the Tennessee and Kentucky Region (38)
E Wey, J Irwin, D Moulton, H Correa, Vanderbilt University Medical Center, Nashville, TN

11:35  11. Animal Models of Viral Upper Airway Infection (39)
S Niewiesk, RK Durbin, SE Mertz, JE Durbin, College of Veterinary Medicine, The Ohio State University, Columbus, OH; Children's Research Institute at Nationwide Children's Hospital, Columbus, OH

11:40  12. Strong Immunohistochemical Expression Of X-Linked Inhibitor Of Apoptosis In Neuroblastoma, Wilms Tumor, And Pediatric Classical Hodgkin Lymphoma (40)
Y Butt, S Kamrudin, P Kapur, W Chen, D Rakheja, Department of Pathology, Children's Medical Center and UT Southwestern Medical Center, Dallas, TX

11:45  13. Alterations In Cell Cycle Checkpoints In Hodgkin/Reed-Sternberg Cells Of Pediatric Classical Hodgkin Lymphoma: A Tissue Microarray-Based Study (41)
W Chen, P Kapur, R Ashfaq, C Hladik, P Shang, RW McKenna, D Rakheja, Children's Medical Center and UT Southwestern Medical Center, Dallas, TX

11:50  14. Macrophage Activation In Pediatric Acute Liver Failure Of Indeterminate Cause: An Immunohistochemical Study With Clinical Correlation (42)  
T Boyd, N Yazigi, KE Bove, JQ Mo, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Saturday, March 1

SYMPOSIUM  CC 102/104/106  1:30 - 5:00 PM

“Endocrine Pathology”

Moderators: Csaba Galambos and Lisa Teot, Children's Hospital of Pittsburgh, Pittsburgh, PA and Ernest Cutz, Hospital for Sick Children, Toronto, ON

1:30 PM – Congenital Hyperinsulinism
Charles A. Stanley, The Children’s Hospital of Philadelphia, Philadelphia, PA

2:15 PM – Fetal and Postnatal Development of the Human Adrenal Gland
C. Richard Parker, Jr., University of Alabama, Birmingham, AL

3:00 – 3:30 PM – Break

3:30 PM – Adrenal Cortical Neoplasia in Children
Louis Dehner, Washington University School of Medicine, St. Louis, MO

4:15 PM – Heritable Endocrine Disorders Involving Adrenal Gland Presenting in Childhood
J. Aidan Carney, Mayo Clinic, Rochester, MN

5:00 PM – Lotte Strauss, Vawter, Neustein Awards – CC 102/104/106

5:15 PM – Business Meeting – CC 102/104/106

7:00 PM – Banquet
SESSION CHAIRS: Sarangarajan Ranganathan and Pierre Russo

NOTE: The number following the abstract title corresponds to the number in the Book of Abstracts

8:00 Aberrant Expression of MUC1 Mucin in Pediatric Inflammatory Bowel Disease (13)
S Ranganathan, AE Furr, OJ Finn, Children's Hospital of Pittsburgh, University of Pittsburgh School of Medicine, Pittsburgh, PA

8:15 Lymphocytic Gastritis In Pediatric Celiac Disease (14)
TR Bhatti, M Jatla, R Verma, P Bierly, PA Russo, ED Ruchelli, The Children's Hospital and University of Pennsylvania School of Medicine, Philadelphia, PA

8:30 Liver Pathology in Infantile Mitochondrial DNA Depletion Syndrome (15)
FK Hazard and E Ruchelli, The Children's Hospital of Philadelphia, Philadelphia, PA

8:45 Histopathological Alterations of Intrahepatic Biliary Tree in Heterotaxy Syndrome (16)
A Bokhari, LM Ernst, PA Russo, The Children’s Hospital, Philadelphia, PA

9:00 Comparison of Calretinin Immunostain to ACE Histochemistry in Hirschsprung Disease and Controls (17)
T Boyd, MC Pacheco, KE Bove, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

9:15 Wnt/β-catenin Aberrations in Pediatric Liver Diseases (18)
S. Ranganathan, B Cieply, SP Monga, Department of Pathology, Children's Hospital of Pittsburgh/University of Pittsburgh, Pittsburgh, PA

9:30 Histological Spectrum of Inflammatory Changes in Esophageal Crohn's Disease (19)
A Bokhari, V DeMatos, ED Ruchelli, The Children's Hospital of Philadelphia, Philadelphia, PA

9:45 Necrotizing Enterocolitis in Premature Infants is Associated with a Relative Lack of FOXP3+ Regulatory T Cells in Surgically Resected Intestinal Tissue (20)
E Rudzinski, H Correa, T Koyama, and J-H Weitkamp, Vanderbilt University

10:00 Break
PLATFORM SESSION 2B
Pediatric Oncology – Convention Center 102/104
Sunday, March 2
8:00 – 10:00 AM

Session Chairs: Cheryl Coffin and Lisa Teot

NOTE: The number following the abstract title corresponds to the number in the Book of Abstracts

8:00 RET Expression In Neuroblastic Tumors Correlates With Neuronal Differentiation And Maturation (21)
OE Baboiu, MH Collins, BC Children’s and Women’s Hospital; Cincinnati Children’s Hospital Medical Center

8:15 GLUT-1 Immunoreactivity in Respiratory Hemangiomas and Hemangioma-like Lesions in Children (22)
L Miles, KE Bove, Cincinnati Children’s Hosp Medical Center, Cincinnati, OH

8:30 Isolated Tumor Cells Are Routinely Detected by Immunohistochemistry in Histologically Negative Bone Marrow Biopsies from Neuroblastoma Patients (23)
C Krishnan, T Fu, CJ Twist, DA Arber, Stanford University Medical Center, Stanford, CA; Lucille Packard Children's Hospital, Stanford, CA

8:45 AP2β Immunohistochemistry in Rhabdomyosarcoma cases (24)
L Urs, J Moore, SJ Qualman, FG Barr, S Hammond, Nationwide Children’s Hosp, Columbus, OH; Univ of Pennsylvania School of Medicine, Philadelphia, PA

9:00 Utility of Nestin Immunohistochemistry in Differentiating Pediatric Renal Tumours (25)
A Murphy, S Viero, M Ho, P Thorner, Hospital for Sick Children, Toronto, ON

9:15 Immunohistochemical Analysis of 61 Clear Cell Sarcomas of the Kidney for a Panel Including NGFR and CD99 (26)
J Bonadio, EJ Perlman and the COG Renal Tumor Committee, University of California, Irvine, Orange CA; Children's Memorial Hospital, Chicago IL

9:30 Is MIB-1 Proliferation Index An Effective Substitute For Mitotic-Karyorrhectic Index (MKI) In Neuroblastoma Classification? (27)
JA Jarzemowski, DG Thomas, RE Ruiz, Children's Hospital of Wisconsin, Milwaukee, WI; University of Michigan Hospitals & Clinics, Ann Arbor, MI

9:45 Assessment Of Nuclear N-Myc Protein Concentration In Neuroblastomas By Quantitative Immunofluorescence And Comparison To MYCN Copy Number (28)
D.G. Thomas and R.E. Ruiz, University of Michigan, Ann Arbor, MI

10:00 Break
Poster Discussion 2
Posters # 15 – 23
Convention Center 102/104
10:45 – 11:30 AM

Session Chairs: Deborah McFadden and Hal Hawkins

NOTE: The number before the abstract title is the Board Number on which the poster is mounted; the number following the abstract title corresponds to the number in the Book of Abstracts

10:45 15. Congenital Lobar Emphysema with Pulmonary Interstitial Glycogenosis: Variant of Emphysema or Localized Glycogenosis? (43)
C Kepron, E Cutz and S Viero, Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Canada; Department of Pediatric Laboratory Medicine, Hospital for Sick Children, Toronto, Canada

10:50 16. Expression of the Melatonin Receptor 1A and Tryptophan Hydroxylase in Placentas from Fetus with Intra-uterine Stress (44)
RRM Corrêa, SG Barrilari, RC Rossi, JGP Olegário, CL Cavellane, CSO Guimarães, FA Oliveira, VPA Teixeira, ECC Castro, Triângulo Mineiro Federal University

10:55 17. Exercise Training Reduces Blood Pressure and Improves Placental Neovascularization in Pregnant Spontaneously Hypertensive Rats (45)
Débora Tavares de Resende e Silva Abate, Renata Calciolari Rossi e Silva, Rosana Rosa Miranda Corrêa, Octávio Barbosa Neto, Valdo José Dias da Silva, Eumênia Costa da Cunha Castro. Departament of Biological Sciences, Triangulo Mineiro Federal University, Uberaba, MG, Brazil

11:00 18. Transient Lymphangiogenesis is a Component of the Inflammatory Tissue Response to Extravasated Mucin in Mucoceles (46)
E. Castro, C. Galambos, Department of Pediatric Pathology, Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PAUSA

11:05 19. Effects of Chemotherapy During Pregnancy on the Placenta (47)
RG Abellar, U Tantravahi, F Gundogan, H Pinar, ME De Paepe, Women and Infants Hospital and Brown Medical School, Providence, RI

11:10 20. Maternal Floor Infarction (MFI) and Biochemical Markers for Adverse Outcome. (48)
K Loukeris, S Gelbar, S Chasen, R Baergen, New York Presbyterian Hospital, Weill Medical College of Cornell University, New York, NY
11:15 21. Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) and Prox-1 antibodies are superior to D2-40 in Identifying Malformed Lymphatic Vessels in Cystic Hygromas (49)
E. Castro, C Galambos, Department of Pediatric Pathology, Children's Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, PA

11:20 22. A Mole or Not a Mole- That is the Question (50)
Teresa C. Hayes, Kristen Lanceaster-Weiss, Siddharth G. Adhvaryu, Southwest Texas Methodist Hospital; University of Texas Health Science Center at San Antonio, San Antonio, Texas

11:25 23. Circumferential Curvilinear Arrays (CCA) of Intrahepatic Bile Ducts (ductal plate malformation-like) are More Common in Large Portal Areas of Explants with Congenital than Postnatal Biliary Atresia (51)
MC Pacheco, KM Campbell and KE Bove, Divisions of Pathology and Gastroenterology, Cincinnati Children’s Hospital Medical Center, Cincinnati Ohio

11:30 Farber-Landing Lecture CC 102/104/106
“Pediatric Pulmonary Pathology – How I Learned to Love the Lung”
Dr. Claire Langston, Texas Children’s Hospital, Houston, Texas
Sunday, March 2

WORKSHOPS: Sunday Afternoon

Session A  1:30 – 3:30 PM  Convention Center 105
*Update on Bone Pathology in Pediatrics* – John Hicks, Texas Children’s Hospital, Houston, TX and Lisa Teot, Children’s Hospital of Pittsburgh, Pittsburgh, PA

Session B  1:30 – 3:30 PM  Convention Center 107
*Pediatric Renal Tumors Update* – Elizabeth Perlman, MD, Children’s Memorial Hospital, Chicago, IL and Cheryl M. Coffin, MD, Primary Children’s Medical Center, Salt Lake City, UT

Session C  1:30 – 3:30 PM  Convention Center 109
*Developmental and Perinatal Neuropathology: What a Pediatric Pathologist Needs to Know* – William Halliday, MD and Cynthia Hawkins, MD, Hospital for Sick Children, Toronto, ON

BREAK 3:30 - 4:00 PM

Session D  4:00 – 6:00 PM  Convention Center 105

Session E  4:00 – 6:00 PM  Convention Center 107
*Update in Pediatric Lymphomas, Leukemias and Bone Marrow Failure Syndrome* – John Kim Choi, MD, PhD and Michele Paessler, MD, Children’s Hospital of Pennsylvania, Philadelphia, PA and Fred Behm, MD, University of Illinois at Chicago, Chicago, IL

Session F  4:00 – 6:00 PM  Convention Center 109
*Head, Neck, Oral and Maxillofacial Pathology in Pediatrics* – Neena Mirani, MD, New Jersey Medical School, Newark, NJ and John Hicks, MD, Texas Children's Hospital and Baylor College of Medicine, Houston, TX

NOTE: Entry into the Workshops will require an admission card, which will be collected by Convention Staff at the door. The Education Committee requests that members respect this policy and not attempt to enter without an admission card.
USCAP AND SPP
FUTURE MEETINGS

2008 Interim Meeting
Louisville, Kentucky
October 2-5

2009 Annual Meeting
Boston, Massachusetts
March 7-8

2009 Interim Meeting
Philadelphia, PA
October 14-17

2010 Annual Meeting
Washington, DC
March 22-23

2010 Interim Meeting
Banff, Alberta, Canada

2011 Annual Meeting
San Antonio, TX
February 26-27