

VH1205 Section on Surgery Program: Day 2 Afternoon

Advocacy Lecture, Abstract Presentations, and Intraoperative Imaging Symposium

Saturday, October 9
1:00PM – 5:00PM CDT

The afternoon starts with a lecture on advocacy, followed by scientific abstract presentations. The day will end with a symposium on intraoperative imaging, with experts from the Section on Radiology and Section on Surgery presenting the latest developments.

- | | |
|--------|--|
| 1:00PM | <p>Section on Surgery Lecture on Advocacy: Advocating for the Surgical Needs of Children with Cancer
 <i>Andrew Davidoff, MD, FAAP</i></p> |
| 1:45PM | <p>Scientific Session III – Non-Rosenkrantz Abstract Presentations
 <i>Moderators: Reto Baertschiger, MD, PhD, FAAP; Michael Dingeldein, MD, FAAP</i></p> |
| 1:45PM | <p><i>Small Intestinal Epithelial Proliferation in a Microbial Depletion Animal Model Is Serotonin-dependent</i></p> |
| 1:53PM | <p><i>Remote Ischemic Conditioning Stimulates the Mobilization of Stromal Cell-derived Factor 1-alpha and Angiogenesis in the Intestine During Experimental NEC</i></p> |
| 2:01PM | <p><i>Milk-Derived Exosomes Prevent Activation of Inflammatory Pathways in the Lung During Necrotizing Enterocolitis</i></p> |
| 2:09PM | <p><i>PROM1+ Biliary Progenitor Cells Reside in Peribiliary Glands and Proliferate into Cholangiocytes in Response to Cholestatic Injury in Murine Biliary Atresia Models</i></p> |
| 2:17PM | <p><i>In Vitro Effect of Human Chorionic Gonadotropin Treatment on Gubernaculum and Testis Cell Stimulation and Vascularization: The Role of Therapy in Testicular Disease</i></p> |
| 2:25PM | <p><i>Inhibition of C-C Motif Chemokine Ligand 2 with Chemotherapy Prolongs Survival in a Minimal Residual Disease Mouse Model of Metastatic Neuroblastoma</i></p> |
| 2:33PM | <p><i>Intestinal Ischemia Reperfusion Injury Is Alleviated by Remote Ischemic Conditioning via the Inhibition of Autophagy Through Endoplasmic Reticulum Stress Signaling</i></p> |
| 2:41PM | <p><i>Exosomes Derived from Colostrum and Mature Human Breast Milk Protect Against Experimental Necrotizing Enterocolitis</i></p> |
| 2:49PM | <p><i>Hydrogen Sulfide Protects Against Necrotizing Enterocolitis Through a Critical Residue on Endothelial Nitric Oxide Synthase</i></p> |
| 2:57PM | <p><i>Prominin-1-expressing Hepatic Progenitor Cells Promote Liver Fibrogenesis via MMP7-mediated Signaling Pathways During Cholestatic Liver Injury</i></p> |
| 3:05PM | <p><i>Routing Pathway of Syngeneic Donor Hematopoietic Stem Cells After Simple Intra-Amniotic Delivery</i></p> |
| 3:15PM | <p>Break</p> |



Symposium 3: Joint Session of Section on Surgery and Section on Radiology on Intraoperative Imaging

Moderators: *Marc Wijnen, MD, PhD; Roshni Dasgupta, MD*

- 3:30PM **Augmented Reality: Surgical Perspective**
Peter Ehrlich, MD, MSc
- 3:50PM **Augmented Reality: Radiology Perspective**
Brian Park, MD
- 4:10PM **Fluorescent-Guided Surgery**
Sunil Singhal, MD
- 4:30PM **3-Dimensional Modeling**
Nicole Wake, PhD
- 4:50PM **Q&A**
- 5:00PM **Adjourn**