

Poster Presentation Finalists

Basic Science

1. Elucidating the Role of Natural Product, Ginkgolide B on GABA-A Antagonism in Resistance Artery Smooth Muscle using a Rat Model. Zach Henderson, Peter D. Yim.
2. Nutraceutical Ginger and its Bioactive Component 6-shogaol Reduces Lung Inflammation in a Murine Asthma Model. Julie Hwang, Charles W. Emala, Gene T. Yocum.
3. 6-Shogaol Protects Against Ischemic Acute Kidney Injury by Modulating NF κ B and Heme Oxygenase-1 Pathways. Sang Jun Han, Mihwa Kim, H. Thomas Lee.

Clinical Research

1. Development of a Risk Score for Predicting Postoperative Delirium in Hip Fracture Patients. Eun Mi Kim, Guohua Li, Minjae Kim.
2. Validation and Normalization of a Global Assessment of Trainee Competency in Regional Anesthesia Procedural Skills. Jeremy Kiffel, Glenn Woodworth, Robert Maniker.
3. Sublingual Microcirculation After Cardiac Surgery is Associated with Resuscitation Requirements over the First ICU Day. Benjamin Rohrer, Vivek Moitra, Jan Bakker.

Basic Science Posters

1. Long-term Imaging of Dorsal Root Ganglia in Awake Behaving Mice. Linlin Sun, Chao Chen, Jinhui Zhang, Yiling Zhang, Wen-Biao Gan, Guang Yang.
2. A Novel Role Of Matrix Metalloproteinase 13 In Regulating Wnt Signaling And Cell Proliferation. Xinran Ma, Adam Gerber, Jeanine D'Armiento.
3. Human Uterine Smooth Muscle Expresses Opsin 3 Receptor Coupled with Gs. William Dan, Peter Yim
4. TMEM16A Agonism Contracts Airway Smooth Muscle in In Vivo and Ex Vivo Models. Aisha Kuforiji, Yi Zhang, Charles W Emala, Jennifer Danielsson.
5. Blue-Light Mediated Photorelaxation in Human Airway and Uterine Smooth Muscle Through Interaction with OPN3 and Gs. Amy D. Wu, Peter D. Yim.
6. Deep Learning in Computer Vision Provides Valuable Insights and Improved Efficiency for Lung Cytology and Histopathology. Rui Xiao, Kyle Stearns, Monica Goldklang, Jeanine D'Armiento.
7. Elucidating the GPVI Signaling Pathway in TSC Tumorigenesis. Uchenna Unachukwu, Jeanine D'Armiento.
8. Propofol Toxicity in Cardiomyocyte Mitochondria of Developing Mice: The Role of the Mitochondrial Transition Pore. Matthew Barajas, Sarah Brunner, Aili Wang, Lifei Wang, Richard J. Levy.
9. Thrombin Induces Enhanced Calcium Mobilization in TNF α -Sensitized Uterine Smooth Muscle (USM) Cells of African American Patients Compared to Non-Hispanic Caucasian Patients. Robert Parry, George Gallos.

10. Novel Treatment for Bronchoconstrictive Diseases: Relaxation of Airway Smooth Muscle by Gelsolin Peptide. Shani Kahan, Maya Mikami.

Clinical Science Posters

1. A case-series describing analgesic approaches in women receiving general anesthesia for cesarean delivery. Ben Shatil, Xiwen Zheng, Bahaa Daoud, Beatriz Raposo, Ruth Landau.

2. Use of empiric antibiotics in the ICU after LVAD Implantation. Juan C. Diaz Soto, Alana Ciolek, Danielle Langone, William Greendyke, Vivek Moitra.

3. Resolution of Hyponatremia After Liver Transplantation and its Effect on Outcome. Erin Hittesdorf, Gebhard Wagener.

4. A Simulation-Based Education Needs Assessment of Anesthesiology Trainees. Joseph Pena, Nicholas Anderson, Madhabi Chatterji, Allison Lee.

5. Comparison of extubation time and adverse events by time of CTICU admission. Adrian Alexis Ruiz, Jonathan Paul, Vivek Moitra.

6. Age as a Predictor of a Long-Term Outcome After Liver Transplantation. Tara Richter-Smith, Erin Hittesdorf, Gebhard Wagener.

7. Characterization of Sublingual Microcirculation in Patients with Left Ventricular Assist Device Support. Michael E. Kiyatkin, Vivek K. Moitra, Jan Bakker.

8. Developing a Global Health Experience Survey (GHES) for Anesthesia Residents. Chang BA, Chen C, Chatterji M, Anderson N, Raker R.

9. Impact of a 2-step intervention to reduce post-cesarean delivery oxycodone consumption. Ben Shatil, Xiwen Zheng, Bahaa Daoud, Beatriz Raposo, Ruth Landau.

10. Effect of spinal isobaric bupivacaine on opioid use after cesarean delivery. B. Daoud, X. Zheng, B. Shatil, L. Ring, J. Guglielminotti, R. Landau.

11. Moral Distress Associated with Caring for Critically Ill Cardiac Surgery Patients. Artem Gindin, Laura Fonseca, Shunichi Nakagawa, Gina Guevara, Cortessa Russell, May Hua.

12. Factors associated with the non-use of oxycodone after cesarean delivery under neuraxial anesthesia. B. Daoud, X. Zheng, B. Shatil, B. Raposo, J. Guglielminotti, R. Landau.

13. Incidence of Phrenic Nerve Palsy After Distal Brachial Plexus Blocks Using Two Separate Diagnostic Approaches. Matt Johnson, Gebhard Wagener, Oliver Panzer.

14. Postoperative Opioid Consumption after Intrapartum Cesarean Deliveries: The Effect of Repeat Cesarean Delivery. Ben Shatil, Xiwen Zheng, Bahaa Daoud, Beatriz Raposo, Ruth Landau.

15. Intrathecal Morphine vs Intravenous Methadone for Major Abdominal Surgery, A Retrospective Study. Alex Saltzman, Robert Maniker.

16. The Use of Medroxyprogesterone in Patients with Lymphangiomyomatosis. Kyle Stearns, Laura Fonseca, Jeanine D'Armiento, Monica Goldklang.

17. Utilization, outcomes, and costs of extracorporeal membrane oxygenation among pregnant women in the United States, 1999-2014. Bushra Taha, Jean Guglielminotti, Guohua Li, Ruth Landau.

18. Safety of Antifibrinolytic Prophylaxis in Children Undergoing Spinal Fusion. Eisler L, Kim M, Sun L, Li G, Faraoni D

Case Reports

1. Management of Delivery in a Patient with Cardiomyopathy in the Setting of Preeclampsia. Zachary B Powell, Marie-Louise Meng.
2. To Place or Not to Place an Epidural - A Case Report of Combined Prothrombin G20210A, MTHFR Deficiency, and Factor XI Deficiency in a Parturient. Zach Henderson, Susan K.W. Mankowitz.
3. Two Cases of Uterine Rupture in Low-Risk Patients. Benjamin Stix, Bahaa E. Daoud, Laurence Ring.
4. Anesthetic Management of Labor and Delivery in a Patient with Klippel-Trenaunay Syndrome. Gulnar Mangat, Stephanie Goodman.
5. Early onset preeclampsia at 23 weeks in a teenager with a history of traumatic brain injury, drug use and scoliosis: a post-cesarean debacle. Hussey P, Siddiqui Z, Hussey H, Cassagnol D, Landau R.
6. Cluster of intravascular epidural catheters resulting in numerous near-misses including a patient with achondroplasia and atlantoaxial instability. Ben Shatil, Elena Reitman, Ruth Landau.
7. Anesthetic Management of Superimposed Pre-eclampsia with Severe Features Complicated by Severe Mitral Stenosis Secondary to Rheumatic Heart Disease. Andrew Greenwald, Gene Thomas Yocum.
8. QI Project: Massive Transfusion Protocol in the Intensive Care Unit. Isabelle Kao, Jake Rachiele, Brian Egan.
9. Description of a Novel Simulation Scenario Combining an OSCE-Type Comprehensive Pain Assessment and a Crisis Scenario. Sophia Koessel, Robert Maniker.
10. Considerations for a deaf patient undergoing shoulder arthroscopy under brachial plexus block with sedation. Sophia Koessel, Danielle Ludwin.
11. One Institution's Experience Adapting to the Local Anesthetic Shortage. Sara Anwar, Danielle Ludwin, Anthony Robin Brown.
12. Change in Transcutaneous pO₂ After Popliteal Catheter Placement. Sara Anwar, Sophia Koessel, Carolyn Thai, Robert Maniker.
13. Anti-NMDA Receptor Encephalitis: A Captivating Case. Zuhair Siddiqui, Riva Ko.
14. Anesthetic Management of Pediatric Patient Status Post Bone Marrow Transplant with Antibody Conversion for Posterior Spinal instrumentation and Fusion. Lara Seiden, Susan Lei.
15. Unconventional Delivery of Inhaled Nitric Oxide During Endoscopic Laryngeal Tracheal Reconstruction in a Child with Pulmonary Arterial Hypertension. Jennifer J. Lee, Robert Kazim, Minyoung Jang, Eli Grunstein.
16. Anterior Cervical Blood Patch Placement For Cerebral Spinal Fluid Leakage after Spine Surgery. Brian Lee, Nicole Matar, Haijun Zhang
17. Stellate Ganglion Block for Refractory Cerebral Vasospasm Secondary to Ruptured Carotid Aneurysm. Jason (Chung-Chieh) Lo, Andrew Koogler, Brian Lee, Hanna Hussey, Haijun Zhang.
18. Obturator Nerve Radiofrequency Ablation for Groin Pain. Harminder Singh, Ammar Siddiqui, Andrew Koogler, Haijun Zhang.

19. Atypical Indications for Stellate Ganglion Blocks. Woo Jin Lee, Andrew Koogler, Leena Mathew.
20. Trigger point injection for parturient with gastric band port-induced abdominal pain. Danica Han, Leena Mathew.
21. Successful Supraclavicular Block in a Patient Without a First Rib. Carolyn P. Thai, Zachary Henderson, Yefim Vilnits.
22. The Use of Erector Spinae Catheter for Pain Management in a Geriatric Patient with Multiple Rib Fractures on Clopidogrel. Hanna Hussey, Anne-Sophie Janvier, Carolyn Thai, Brian Lee, Anthony R Brown.
23. Unroofed Coronary Sinus Defect Causing RV Overload. Ammar Siddiqui, Yefim Vilnits.
24. An Unexpected Cause of Hypoxia in a Patient with Severe Mitral Regurgitation Undergoing MitraClip Implantation. Hussey P, Fried E, Wu I.
25. Posterior Tracheal Diverticulum in a Right Lung Transplant. Hussey P, Pena J, Miltiades A, Johnston T
26. Acute Type A Aortic Dissection Complicating Transfemoral Transcatheter Aortic Valve Replacement. Nicholas C. Zimick, Lauren D. Sutherland, Steven E. Miller.
27. Intraoperative transesophageal echocardiography for diagnosis of a right coronary artery pseudoaneurysm. Lauren Sutherland, Andrea Miltiades.
28. Hypoxemia caused by RVOT compression after repeat heart transplantation in a former Fontan patient. Lauren Sutherland, Jacob Schaff.
29. PA anastomosis stenosis: Better catch it in the OR...William P Qiao, Marie-Louise Meng.
30. Pulmonary Alveolar Hemorrhage in a Patient with a Temporary External Ventricular Assist Device and Extracorporeal Membrane Oxygenation Awaiting Heart Transplantation. Amy Wang, Koji Takeda, Paolo C. Colombo, Gebhard Wagener.
31. Spinal Anesthesia in a Patient with Sphenoid Meningioma for Total Knee Arthroplasty. William P Qiao, Zachary B Powell, Haijun Zhang.
32. Irreversible anaphylaxis to thymoglobulin in living donor renal transplantation. William P Qiao, Mark A Weller.
33. Secondary Ultrasound Use in a Post-Operative Patient with Hypotension. Rebecca Martinez, Julia Sobol, Oliver Panzer.
34. Intraoperative Anaphylaxis After Rocuronium Administration. Melissa Straub, Lydia Miller, Maya Mikami.
35. Delivery of hypoxic gas mixtures in anesthesia machines with electronic gas mixers. Hugo Clifford, Philipp Houck.
36. Impossible Ventilation Following Tracheal Intubation. Giselle Jaconia, Tara Quinn, Cortessa Russell.
37. Successful Management of GBS in a Resource-Limited Setting. Claire Naus, Lauren Onofrey, Gebhard Wagener, Meghan Prin.
38. Restrictive Cardiopulmonary Management: A Case of Degos Syndrome. Zuhair Siddiqui, Jacob Schaff.