6:15 am – 7:15 am  Parc Mont-Royal
Breakfast with Exhibitors

7:30 am – 8:00 am  Av. Duluth
Welcome Address and Introduction
Daniel R. Brown, MD, PhD, Mayo Clinic, SOCCA Board of Directors Chair
Sheela Pai Cole, MD, Stanford University, SOCCA Committee on Education Chair

8:00 am – 5:00 pm  Place du Canada / Square Dorchester
SOCCA Poster Session C: Open Viewing
For session details, see the SOCCA Posters tab.

8:00 am – 9:00 am  Av. Duluth
Education Session I
Critical Advances, Critical Care
Moderated by Aalok K. Kacha, MD, PhD, The University of Chicago Medicine

New Anticoagulants
Ian Welsby, MD, Duke University School of Medicine

Device Update
Peter Von Homeyer, MD, FASE, University of Washington Medicine

What is New in Antibiotics
Noreen Murphy, MD, University of Wisconsin School of Medicine and Public Health

9:15 am – 10:15 am  Av. Duluth
Education Session II
Beyond the Standard: New Resuscitation Paradigms in Critical Care
Moderated by Talia K. Ben-Jacob, MD, Cooper Medical School of Rowan University, Cooper University Hospital

Blood Pressure Targets in the ICU
Ashish K. Khanna MD, FCCP, FCCM, Wake Forest University School of Medicine

Microcirculation and the Success of Resuscitation
Kunal Karamchandani, MD, FCCP, Penn State Milton S. Hershey Medical Center

Sepsis Update
Mark Nunnally, MD, FCCM, New York University Langone Medical Center

10:15 am – 10:45 am
Break

10:45 am – 12:15 pm  Place du Canada / Square Dorchester
SOCCA Poster Session C: Moderated Poster Discussion Sessions
For session details, see the SOCCA Posters tab.

12:15 pm – 1:15 pm
Lunch On Your Own
Check out the Marché Artisans for a quick bite, or any of the many restaurants located in the hotel.
1:15 pm – 2:00 pm

YOUNG INVESTIGATOR PRESENTATIONS: AWARD-WINNING RESEARCH
Moderated by Robert D. Stevens, MD, FCCM, The Johns Hopkins University
School of Medicine & SOCCA Committee on Education

Sheela Pai Cole, MD, Chair
Peter Von Homeyer, MD, FASE, Vice Chair
Ashish K. Khanna MD, FCCP, FCCM
Kunal Karamchandani, MD, FCCP

Introduction
Sheela Pai Cole, MD, Stanford University; Chair, SOCCA Committee on Education

Young Investigator Award 2nd Runner-up Presentation
The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Neurocognitive Dysfunction and Delirium in Older Adults
Thomas Bunning, BS, Duke University Medical Center

Young Investigator Award 1st Runner-up Presentation
Sustaining the Gains: A 6-year follow through of the Impact of a Hospital-Wide Patient Safety Strategy on Global and Anesthetic Patient Safety Outcomes
Ming Ann Sim, MBBS, National University Hospital Singapore

Young Investigator Award Winner Presentation
Effects of Incubating Packed Red Blood Cells with Common Infusion Crystalloids and Medications on Red Blood Cell Lysis, Aggregation and Deformability
Domagoj Mladinov, MD, PhD, University of Alabama at Birmingham

2:00 pm – 2:55 pm

Lifetime Achievement and Burchardi Presentations: Award-Winning Research
Moderated by Mark Nunnally, MD, FCCM, New York University Langone Medical Center

Lifetime Achievement Award Presentation
Patient Blood Management in the ICU
Aryeh Shander, MD, FCCM, FCCP, FASA, Englewood Hospital and Medical Center

Burchardi Award Presentation
Michael O’Connor, MD, The University of Chicago Medicine

3:00 pm – 3:30 pm

Break
FRIDAY, MAY 17: SOCCA

3:30 pm – 4:30 pm  Av. Duluth
Education Session III

**Doctoring and Social Media**
*Moderated by Sheela Pai Cole, MD, Stanford University School of Medicine, SOCCA Committee on Education Chair*

*Of Tweets, Retweets, Hashtags, Likes and Dislikes: A Guide to Terminology and Etiquette*
Sheela Pai Cole, MD, Stanford University School of Medicine

*I Tweet Critical Care: I Cannot Do Without It*
Vivek Moitra, MD, Columbia University Medical Center

*I Think It’s a Distraction: Several Reasons to Thrive Without It*
Sree V. Satyapriya, MD, The Ohio State University - Wexner Medical Center

5:30 pm – 6:30 pm  Square Victoria

**Scholars’ Program Mentoring and Networking Reception**
Meet and network with the leaders of the anesthesiology field – and Scholars’ Program participants will be paired with mentors.

*This reception is part of the Scholars’ Program, and a ticketed event, visit registration for details.*

4:45 pm – 5:45 pm  Av. Duluth
Education Session IV

**Final Priorities: Ethics and Quality of Life**
*Moderated by Allison Dalton, MD, The University of Chicago Medicine*

**Ethics Consultation**
Nicholas Sadovnikoff, MD, Brigham and Women’s Hospital

**Role of Palliative Care**
Rebecca A. Aslakson, MD, PhD, FAAHPM, FCCM, Stanford University School of Medicine

Value and Cost: End of Life Matters
Michael Nurok, MBChB, PhD, FCCM, Cedars-Sinai Medical Center

5:45 pm – 6:00 pm  Av. Duluth

**Closing Remarks**
Daniel R. Brown, MD, PhD, Mayo Clinic, SOCCA Board of Directors Chair
Sheela Pai Cole, MD, Stanford University School of Medicine, SOCCA Committee on Education Chair

6:00 pm – 6:30 pm  Av. Duluth

**SOCCA Business Meeting**

6:30 pm – 8:00 pm  
**Reception with Exhibitors**

7:00 pm – 8:30 pm  
**Taste of Montreal Dine-Around**

If you haven’t already, be sure to pre-register for this intimate dining experience at registration. Space is limited; dinner costs are the responsibility of each attendee.

Be sure to stay for
Aligned Meeting Day tomorrow, May 18, at the Fairmont The Queen Elizabeth hotel — every IARS, AUA and SOCCA attendee is welcome at every session!
See the IARS Sessions tab for Saturday’s details.
THE SOCIETY OF CRITICAL CARE ANESTHESIOLOGISTS

JOIN

SOCCA is an educational organization that fosters the role of anesthesiologists as perioperative specialists and provides for continuing education and interchange of ideas.

Benefits include:

• Discounted pricing for the SOCCA Annual Meeting
• Discounted membership in the IARS
• Free ICU Residents’ Guide
• Free digital newsletter SOCCA Interchange

SOCCA.org/join

VOLUNTEER

SOCCA committees provide an excellent opportunity to get involved and make a difference in the Critical Care Anesthesia community.

• Engage with other members and make an impact on issues in Critical Care Anesthesia
• Collaborate and grow your knowledge and skills to support professional development
• Network with other SOCCA members

Get involved with a committee
Communications | Education | Membership | Nomination | Research

SOCCA.org/volunteer

RENEW

SOCCA is dedicated to the support and development of anesthesiologists who care for critically ill patients of all types. SOCCA fosters the knowledge and practice of critical care medicine by anesthesiologists through education, research, advocacy, and community.

SOCCA.org/renew

@SOCCA_CritCare
All poster sessions, the Poster Information desk, and the Call4Posters™ desk are located in the Place du Canada and Square Dorchester Rooms.

SOCCA Poster Sessions are grouped based on subspecialty topic and will include an open poster viewing time and a moderated poster discussion session.

**SOCCA POSTER SESSION C: FRIDAY, MAY 17**

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<td>10:45 am – 12:15 pm</td>
<td>Moderated Discussion Session</td>
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<td>5:00 pm – 5:30 pm</td>
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**Viewing e-Posters**
e-Posters are available for viewing throughout the Annual Meetings at [http://tiny.cc/lr3l5y](http://tiny.cc/lr3l5y).

**Call4Posters™ Pick-up**
Orders placed through Call4Posters™ will be available for pick-up at the Call4Posters™ Desk.

- Thursday, May 16  7:00 am – 1:30 pm
- Friday, May 17    7:00 am – 1:30 pm
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C1. The Completeness of Intubation Documentation in Urgent and Emergent Non-Operating Room Settings Between Different Record Formats
Claudia Bruguera, Roman Schumann, Dana Arekat, Natalia Stamas, John Adam Reich, David Moss, Edward Hong, Jacob Ludington, Andrea Tsai

C2. A Difficult Airway Early Warning System in Patients at High Risk for Clinical Decompensation: A Feasibility Study
Anna Budde, Stephen Estime

C3. A Difficult Airway in the ICU: Complicated by a Bronchoesophageal Fistula
Jessica H. Kruse, Laurie Mark

C4. Anesthesia-Related Aspiration of Gastric Contents: A Retrospective Review of Recent Cases in a Large Teaching Hospital
Alexander Nagrebetsky, Daewoong Lee, Paul Howard, Lorenzo Berra, Edward Bittner

C5. A Pilot Study to Determine the Accuracy of Ultrasound in Measurement of the Dimensions of the Pediatric Cricothyroid Membrane
Bill A. Walsh, Paul Fennessy, Roisin Ni Mhuircheartaigh, Aisling Snow, Kevin Mccarthy, Conor McCaul

C6. The Effect of Systemic Lidocaine on Post-Operative Opioid Consumption in Ambulatory Surgical Patients: A Meta-Analysis of Randomized Controlled Trials
Danielle Lovett-Carter, Mark C. Kendall, Gildasio S. Deoliveira

C7. Does the Use of Intravenous Patient Controlled Analgesia (IPCA) Increase Opioid Consumption and Side Effects in Fast Track Orthopedic Procedures?
Sameh M. Abdelghany, Zeev Friedman, David Backstein, Jaclyn Ricci, Xiang Y. Ye, Naveed Siddiqui

C8. Thoracoplasty Under Thoracic Epidural Anesthesia: A Case Report
Satish Dhashmana

C9. High Rates of Postoperative Opioid Overprescription Following Ambulatory Breast Surgery
Anjali Dixit, Solmaz P. Manuel, Christina Inglis-Arkell

C10. High Rates of Postoperative Opioid Overprescription Following Minimally Invasive Ambulatory Surgery
Anjali Dixit, Solmaz P. Manuel, Christina Inglis-Arkell

C11. Propofol Toxicity in Cardiomyocyte Mitochondria of Developing Mice: The Role of the Mitochondrial Transition Pore
Matthew Barajas, Richard J. Levy, Sarah Brunner, Lifei Wang, Aili Wang

C12. Effects of Propofol and Its Components on Neutrophils Migration and Macrophages Obtained from Lung and Adipose Tissue of Obese Rats: An in Vitro Study
Luciana B. Heif, Fernanda F. Cruz, Mariana Antunes, Cassia Lisboa, Lais Agra, Rebecca Bose, Soraia Abreu, Paolo Pelosi, Pedro L. Silva, Patricia R. Rocco
C13. Effects of Incubating Packed Red Blood Cells with Common Infusion Crystalloids and Medications on Red Blood Cell Lysis, Aggregation and Deformability
Domagoj Mladinov, Kristine Yarnoff, Enika Nagababu, Dan Berkowitz, Courtney Lawrence, Paul Ness, Thomas Kickler, Patricia Brunker, Joan Boyd, Jeffrey Dodd-O
Young Investigator Award - Winner

C14. Platelet Functionality Is Decreased after Infusion through a Rapid Infusion System
Shahrukh Bengali, Ilan Keidan, Nikolaus Gravenstein, Jeffrey D. White, Joshua Sappenfield

C15. Hospital Discharge Hemoglobin Values and Post-Hospitalization Outcomes for Transfused Non-Cardiac Surgery Patients
Mitchell Kerfeld, Matthew Warner, Daryl J. Kor, Ryan Frank, Andrew Hanson, Melissa Passe

C16. Mitral Valve Repair Complicated by Left Circumflex Coronary Artery Occlusion: The Vital Role of the Anesthesiologist
Andres Bacigalupi Landa, Jayanand D'Mello

C17. Myocardial Post-Conditioning with CPG-Containing TLR9 Ligand 1668-Thioate Modulates Inflammatory Response and Remodeling Resulting in Less Fibrosis and Better Left Ventricular Function in Mice
Daniel Dürr, Shuijing Wu, Max Schneider, Vanessa Marggraf, Luise Verfuerth, Stilla Frede, Christina Weisheit, Olaf Boehm, Oliver Dewald, Georg Baumgarten, Pascal Knüfermann, Se-Chan Kim

C18. Large Right Ventricular Outflow Tract Tumor: Anesthetic Management and Evaluation by Transesophageal Echocardiography
Brad P. Moore, Steven Miller

C19. Severe Cardiac Clot Burden in Pulmonary Embolism: Evaluation by Transesophageal Echocardiography
Brad P. Moore, Isaac Wu

C20. Diagnostic and Prognostic Implications of Peak Leukocyte Count in the Intensive Care Unit
Nafeesa Alibhai, Bijan Teja, Naheed Jivraj, Sameer Hirji

C21. Effect of Preoperative Opioid Use on Outcomes after Cardiac Surgery: A Focus on Coronary Artery Bypass Grafting and Valve Surgery
Caryl Bailey, Robert White, Roniel Weinberg, Alina Boltunova, Xiaoyue Ma

C22. Bacterial Sepsis Increases Fibrillary Amyloid Load and Neuroinflammation in a Mouse Model of Alzheimer’s Disease Pathology
Jacob Basak, Collin J. Nadarajah, Lucy S. Cohen, Patrick W. Sheehan, Erik S. Musiek

C23. Early Mobility in the Cardiothoracic Surgical Intensive Care Unit: A Quality Improvement Study
Michael W. Best, Layne Madden, Matthew Wiepking, Salila Hashmi, Maxwell Hockstein, Craig S. Jabaley, Mark Caridi-Scheible
C24. Carbon Footprint of the Critically Ill: An Economic Input-Output Analysis of the ICU and the Environmental Impact of Delayed Patient Discharge Due to Bottleneck in Availability of Lower Acuity Beds
Adjoa Boateng, Jodi Sherman

C25. Assessing Sleep Quality and Delirium Prevalence in Cardiac ICU Patients
Claudia Bruguera, Dana Arekat, Ina Zaimi, Andrea Tsai

C26. A Single-Center Retrospective Pilot Analysis of ICU Delirium and Its Relationship to Glucose Variability
Zyad J. Carr, Ahmad Parniani, Kunal Karamchandani, Jeffrey J. Kowaleski

C27. A Single-Center Retrospective Study of Perioperative Outcomes in Patients with Interstitial Lung Disease: A Strong Association Between Gender and Outcomes
Zyad J. Carr, James Francescangeli, Brittany McDowell, Kunal Karamchandani

C28. Adverse Outcomes Associated with Absent or Delayed β-Blocker Administration after Cardiac Surgery
Emily Chanan, Germaine Cuff, Samir Kendale, Aubrey Galloway, Mark Nunnally

C29. Cardiac Arrest Secondary to R-on-T Phenomenon Caused by Temporary Epicardial Pacemaker Following Cardiac Surgery
Michelle Chen, Tichaendepi Mundangepfupfu

C30. Successful Extracorporeal Membrane Oxygenation Utilization for Refractory Acute Respiratory Distress Syndrome Following Orthotopic Liver Transplantation Re-Exploration for Intra-Abdominal Hemorrhage
Anna Ciullo, Suzanne Bennett

C31. A Case of Intentional Flecainide Overdose Managed with VA-ECMO
Carla De La Cruz, Tichaendepi Mundangepfupfu, Marcus Behrens, Michael L. Hall

C32. Bronchoesophageal Fistula Requiring VV ECMO Following Minimally Invasive Esophagectomy
David Douin, Tim Tran

C33. Perioperative Transfusion Requirements in Veno-Venous Extracorporeal Membrane Oxygenation (ECMO) Patients Undergoing Non-Cardiac Surgical Procedures
Michael A. Fierro, Brandi Bottiger, David Ranney, Mani Daneshmand, Desiree Bonadonna, John Haney, Jacob Klapper, Matthew Hartwig, Michael Manning, Raquel R. Bartz

C34. The Attributable Mortality from Bleeding Complications Exceeds the Attributable Mortality from Thrombotic Complications
Robert E. Freundlich, Melissa L. Bellomy, Milo Engoren, Frederick W. Lombard, Barbara J. Martin, Yaping Shi, Matthew Shotwell
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<td>Successful Use of Veno-Arterial Extracorporeal Membrane Oxygenation in a Patient with Acute Subdural Hematoma</td>
<td>Jason Huston, James D. Bacon, Kevin W. Hatton, Brian Fischer</td>
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<td>Effect of Angiotensin-II on Vasopressor Dose and Safety in Patients with Severe Vasodilatory Shock</td>
<td>Ashish K. Khanna, Paula Ferrada, Aaron Strumwasser, Alexander Zarbock, Caleb Mackey, Jonathan Wilkinson, Damian Handsides, John Prowle</td>
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<td>Layne Madden, Deepa Patel, Mengyu Di, Justin Schrager</td>
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C48. In Hospital Mortality, Complications, and ICU Length of Stay after Ventricular Assist Device Implantation: A Single Center Case Review
Rachael Mintz-Cole, Andrea Yoder, Abdulaziz Almehlisi, Kimberly S. Robbins, Albert P. Nguyen, Ulrich Schmidt

C49. Post-Operative Fever, Leukocytosis, and Circulatory Shock: A Case of Significant Inferior Vena Caval Thrombosis Mimicking Sepsis
Ian W. Molyneaux, Priyesh Patel

C50. The Platelet and Aortic Struggle: A Case of ITP and Severe Bioprosthetic Aortic Stenosis for Orthopedic Surgery
Jenny Pennycuff, Beth M. Teegarden, Amir Jafari

C51. Altered Mental Status in the CTICU after CABG Complicated by Profound Vasoplegia: A Case of Serotonin Syndrome
Yan Povrovsikiy, James D. Bacon

C52. Role of Syndecan-1 and Disruption of Glycocalyx in Critically Ill Patients with Ventricular Assist Devices (VAD) and Extracorporeal Membrane Oxygenation (ECMO)
Dorothea Rosenberger, T. McKai Wood

C53. Systolic Anterior Motion of the Mitral Valve Following Recovery from Cardiogenic Shock
Michelle M. Salloum, Emily T. Poynton, Dane Coyne

C54. Rescue Tee for Differentiating and Managing Shock in Critically Ill Patient
Estuardo J. Saravia Fernandez, Vaibhav Bora

C55. The Safety of Hemoconcentration during ECMO
Samir Sethi, Rachel Glass, Caroline Jensen, Peter Munoz, Bruno Sambuco, David Yamane

C56. Procalcitonin - Early Predictor of Survival in Critically Ill Patients with Sepsis
Ahsan K. Siddiqui, Abhishek Verma

C57. Implementation of an Arterial Waveform-Based IV Fluid Goal-Directed Therapy Protocol in a Cardiac Surgery Intensive Care Unit
Erik J. Stoltenberg, Susan Seatter, David Williams, Larissa Stanberry, Steven M. Bradley

C58. Coved ST Elevation: A Case of Propofol Infusion Syndrome
Alex Suginaka, Bharathram Vasudevan, Lauren Allan

C59. Challenging Management of Depot Paliperidone Associated Neuroleptic Malignant Syndrome and Primary Polydipsia
Michael Wu, Fangdi Sun, Connie Wang, Eddie Garcia, Robert Goodnough, Jeffrey Whitman, Craig Smollin, Timur Durrani, Kamran Atabai, Kara Lynch

C60. Vasopressor Dosing in Septic Shock Clinical Trials: A Systematic Review and Meta-Analysis
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C61. Low Dose Factor VIIa Yields Big Results
Hans Tregear, Elizabeth Cotter, He Jianghua, Gao Guangyi, Sharma Akshit, George T. Zorn, Brigid C. Flynn

C62. Low-Cost ECMO Troubleshooting Simulation Improves Provider Confidence and Preparedness in Managing Life-Threatening Circuit Complications
Matthew Wiepking, Michael Stentz, Kiley Hodge

C63. Assessing Post-Surgical Mortality Risk through Nonlinear Coupling of Intraoperative Heart Rate and Blood Pressure Time Series
Alexander L. Young, Hau-Tieng Wu, Willem Van Den Boom, Vijay Krishnamoorthy, Karthik Raghunathan, David B. Dunson

C64. Reducing Operating Room Delays: One Institution’s Search for the Holy Grail
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C65. Economic Evaluations of Sugammadex for Reversal of Neuromuscular Block in Surgical Procedures: A Systematic Review
Amit D. Raval, Ishita Doshi, Sumesh Kachroo, Lori D. Bash

C66. The Impact of Early Exposure to High-Fidelity Simulation on the Developing Anesthesiologist: A Qualitative Pilot Study
Dylan Bard, Gavyn Ooi, Michael Esterlis, Elaine Kilmartin, Neeru Rattan

C67. The Ontology of Leadership: A Simulation-Based Introduction
Annandita Kumar, Philip Boysen

C68. The Impact of a Focused Cardiac Ultrasound Curriculum on Anesthesiology Residents in the Post Anesthesia Care Unit
Louisa Palmer, Jeff Swanson

C69. Resident Physician Perspective on Women As Leaders
Karlyndsay Sitterley, Philip Boysen, Joseph Koveleskie

C70. Gender Differences Among Adult Critical Care Program Directors
Terrie Vasilopoulos, Brenda Fahy, Mohammed Almualim, Peggy White, Rogerio A. Santos, Deborah J. Culley

C71. Resuscitative Supraceliac Aortic Occlusion for Hemorrhagic Shock in a Liver Transplant Recipient
Reem Almuqati, Madiha Syed

C72. Independent Lung Ventilation as a Rescue Strategy Following Unilateral Lung Transplantation: A Case Report
Amar M. Bhatt, Victor Davila

C73. Spontaneous Life Threatening Hemorrhage in a Patient with Kippel-Trenaunay Syndrome Requiring Multiple Trips to the Operating Room Managed with Aminocaproic Acid, Activated Factor VII, and Heparin
Kaitlyn Brennan, Francis X. Whalen, Nathan Peffley, Kathryn E. Howze
C74. Critical Care Management of Culture Negative Endocarditis Due to Bartonella
Christian S. Balabanoff Acosta, Daniela De Lima Corvino, Anmary Fernandez Betances, Rafael Arciniegas Flores, Srikar Jonna, Anna M. Schuerner, Richard A. Zack-Guasp, Ricardo Martinez Ruiz, Miguel Cobas, Alexander C. Fort

C75. Right Ventricular Failure and Acute Respiratory Distress Syndrome after Drowning Managed with Right Atrial to Pulmonary Artery Extracorporeal Membrane Oxygenation
Christian S. Balabanoff Acosta, Rafael Arciniegas Flores, Anna M. Schuerner, Srikar Jonna, Richard A. Zack-Guasp, Ning Lu, Arnaldo Vera-Arroyo, Ricardo Martinez Ruiz, Valerie Hart

C76. Management of a Thrombus Overriding a Patent Foramen Ovale in a Patient with Concomitant Pulmonary Embolism
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C77. The Utility of Tee for Mechanical Circulatory Support and Clinic Decision Making
Dominique Brundidge

C78. Superior Vena Cava Syndrome from Cannula Malposition during Femoro-Femoral Veno-Venous ECMO
Juan C. Diaz Soto, Elvedin Lukovic

C79. Hemorrhagic Shock Secondary to Non-Traumatic Superior Mesenteric Vein Rupture in a Patient with Hepatitis Peliiosis
Shara Feld, Tichaendepi Mundangepfupfu

C80. Rapid Detection and Transport by ECMO Team Improved Outcomes of Severe Acute Pancreatitis Sequelae
Mariana Gomez, Natan Hekmatjah, Paul Helland, Cecilia Canales, Vadim Gudzenko, Sumit Singh

C81. A Case of Acute Hypotensive Transfusion Reaction from Bradykinin Release Syndrome: A Possible Association with a Novel Ace Missense Mutation
Andrew Greenwald, Tarif Chowdhury, Joseph Hostyk, Ruth Landau, Peter Yim

C82. Carcinoid Crisis Presenting As Severe Bronchospasm during Anesthetic Induction in a Pregnant Patient
Kyung Ji, Jennifer Macpherson, Tichaendepi Mundangepfupfu

C83. Erector Spinae Block As Rescue Therapy in the ICU to Facilitate Extubation after Cardiac Surgery: A Case Report
Angela M. Johnson, Connor Mcnamara, Basanta Mohapatra

C84. Neuroleptic Malignant Syndrome in Patient with a Saddle Pulmonary Embolus
Jonathan Kim, Genevieve Manahan, Albert Yen

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