

# The American College of Critical Care Medicine



## 35th Annual Convocation of Fellows

&

Society of  
Critical Care Medicine



The Intensive Care Professionals

## Awards and Grants Presentation

Monday, the Twenty-Second of January  
Two thousand Twenty-Four  
3:00 P.M.

Phoenix Convention Center North  
Room 120BCD

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## Research Awards Presentation

Sunday, the Twenty-First of January  
Two thousand Twenty-Four  
3:15 P.M.

Phoenix Convention Center North  
Room 131





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# The American College of Critical Care Medicine

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When the American College of Critical Care Medicine (ACCM) was created in 1988, the Society of Critical Care Medicine (SCCM) began a tradition dedicated to the recognition of excellence.

ACCM is committed to fostering the highest goals of multiprofessional critical care, honoring individuals whose achievements and contributions demonstrate personal commitment to these goals, promoting a forum for the development of collaborative practice among the specialties and professions providing critical care, and providing SCCM with a consultative body possessing recognized expertise in the practice of critical care.

The prestigious designations of Fellow of the American College of Critical Care Medicine (FCCM) and Master of Critical Care Medicine (MCCM) honor practitioners, researchers, administrators, and educators who have made outstanding contributions to the collaborative field of critical care. ACCM includes nurses, pharmacists, physicians, respiratory therapists, and other healthcare professionals who are all experts in their fields.

As an organization devoted to creating a greater understanding of critical care, ACCM emphasizes quality management in the practice and administration of critical care, focuses on leadership, and underscores the importance of fostering partnerships, humane caring, communication, and public opinion involving critical care.

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# Musical Selections

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## PROCESSIONAL

The processional music, “Call of the Champions,” was composed by John Williams for the 2002 Winter Olympics, held in Salt Lake City, Utah, USA. Williams conducted the Utah Symphony Orchestra and the Mormon Tabernacle Choir in this performance. The work begins with a call of “Citius, Altius, Fortius,” the official Olympic motto. These three Latin terms are repeated several times throughout the work and translate to “Swifter, Higher, Stronger.” The Roman word “Clarius” was added to the triad at the end of the theme and represents intelligence and clarity of mind. This work was selected because these terms are indicative of the attributes of a Fellow of the American College of Critical Care Medicine.

## RECESSIONAL

The theme for the recessional is one of the most recognized themes of its time, from the final scene of the original Star Wars movie. A leitmotif, it too was composed by John Williams and is associated with aspiration, heroism, and adventure. This theme is fitting for this occasion since the Fellows of the American College of Critical Care Medicine have been referred to as the Jedi Knights of critical care—individuals with a strong commitment to their mission and dedicated to a life of service. It is performed here for the awards ceremony by the London Symphony Orchestra.

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# Program

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## **ACADEMIC PROCESSION\***

Master Candidates

Fellowship Candidates

Council of the Society of Critical Care Medicine

Board of Regents of the American College of Critical Care Medicine

Chair, Credentials Committee

## **WELCOME AND INTRODUCTION OF THE DAIS PARTY**

Mark E. Nunnally, MD, FCCM

Chancellor, American College of Critical Care Medicine

## **AWARDS AND GRANTS PRESENTATION**

Vinay M. Nadkarni, MD, FCCM

President, Society of Critical Care Medicine

## **PRESENTATION OF MASTERS OF CRITICAL CARE MEDICINE**

Mark E. Nunnally, MD, FCCM

Chancellor, American College of Critical Care Medicine

Vinay M. Nadkarni, MD, FCCM

President, Society of Critical Care Medicine

## **PRESENTATION OF NEW FELLOWS**

Scott P. Sherry, MS, PA-C, FCCM

Chair, Credentials Committee

American College of Critical Care Medicine

## **CONFERRING OF FELLOWSHIP**

Mark E. Nunnally, MD, FCCM

Chancellor, American College of Critical Care Medicine

## **PRESENTATION OF CHANCELLOR'S RECOGNITION AWARD**

Maureen A. Madden, DNP, RN, CCRN, CPNP-AC, FCCM

Vice-Chancellor, American College of Critical Care Medicine

## **RECESSIONAL\***

*\*The audience is requested to stand during the Academic Procession and the Recessional.*

*The audience is invited to honor the Fellows and Masters of Critical Care Medicine and award and grant recipients at a reception immediately following the ceremony.*

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# Society of Critical Care Medicine

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## COUNCIL

Vinay M. Nadkarni, MD, FCCM, President

Lauren R. Sorce, PhD, RN, CPNP-AC/PC, FCCM, President-Elect

Jose L. Pascual, MD, PhD, FCCM, Secretary

Cherylee W. J. Chang, MD, FCCM, Treasurer

Sandra L. Kane-Gill, PharmD, MSc, FCCM, Past President

Sheila A. Alexander, PhD, BSN, RN, FCCM

Donna L. Armaignac, PhD, APRN, CCNS, CCRN-K

Marie R. Baldisseri, MD, MPH, FCCM

Jeffrey F. Barletta, PharmD, FCCM

Jose L. Diaz-Gomez, MD, MAS, FCCM

Amy L. Dzierba, PharmD, BCCCP, FCCM

Laura E. Evans, MD, MS, FCCM

Anthony T. Gerlach, PharmD, FCCM

Kyle J. Gunnerson, MD, FCCM

Thomas A. Nakagawa, MD, FCCM

Pauline K. Park, MD, FCCM

Jose Javier Provencio, MD, FCCM

Gloria M. Rodriguez-Vega, MD, MCCM

Asha N. Shenoi, MD, FCCM

Samuel A. Tisherman, MD, FCCM

## HONORARY MEMBERS

Mark E. Nunnally, MD, FCCM, *Chancellor,  
American College of Critical Care Medicine*

Maureen A. Madden, DNP, RN, CCRN, CPNP-AC, FCCM,  
*Vice-Chancellor,  
American College of Critical Care Medicine*

Daniel Wu, DO, FCCM, *Chair,  
Chapters Alliance*

David J. Martin, CAE, *CEO/Executive Vice-President*

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# American College of Critical Care Medicine

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## BOARD OF REGENTS

Mark E. Nunnally, MD, FCCM, *Chancellor*

Maureen A. Madden, DNP, RN, CCRN, CPNP-AC, FCCM,  
*Vice-Chancellor*

Sandy M. Swoboda, RN, MS, FCCM, *Secretary-General*

William E. Dager, PharmD, BCPS, MCCM, *Past Chancellor*

Ana Lia Graciano, MD, FCCM

Douglas F. Naylor Jr, MD, MCCM

Mary J. Reed, MD, FCCM

Karin Reuter-Rice, PhD, NP, FCCM

Jonathan E. Sevransky, MD, MHS, FCCM

## CREDENTIALS COMMITTEE

Scott P. Sherry, MS, PA-C, FCCM, *Chair*

Sophia C. Rodgers, DNP, MSN, ACNP, FCCM, *Vice-Chair*

Martin J. Ohlinger, RPh, PharmD, BCCCP, FCCM, *Past Chair*

Jonathan E. Sevransky, MD, MHS, FCCM, *Regent,*  
*American College of Critical Care Medicine*

Wendy R. Greene, MD, FCCM

Felix Khusid, BS, RRT, FCCM

Lori A. Shutter, MD, FCCM

M. Hossein Tcharmtchi, MD, FCCM

Lisa M. Weavind, MD, MBBCh, FCCM

Brian T. Wessman, MD, FCCM

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# Awards

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## **ASMUND S. LAERDAL MEMORIAL LECTURE AWARD**

Sponsor: Laerdal Foundation for Acute Medicine

*Commemorates Asmund S. Laerdal, creator of the Resusci Anne model used in cardiopulmonary resuscitation training procedures, and recognizes an individual for his/her extensive involvement in resuscitation research and publishing*

**Raul J. Gazmuri, MD, PhD, FCCM**

## **BARRY A. SHAPIRO MEMORIAL AWARD FOR EXCELLENCE IN CRITICAL CARE MANAGEMENT**

Sponsor: Barry A. Shapiro Memorial Award Fund

*Recognizes an individual who has made significant contributions to the design and/or implementation of an evidence-based practice that has significantly impacted clinical, operational, or fiscal outcomes within his/her area of responsibility*

**Thomas L. Higgins, MD, MBA, MCCM**

## **CHAPTERS ALLIANCE EXCELLENCE AWARD**

Sponsor: Chapters Alliance

*Recognizes a chapter for its exceptional work by being in good standing; holding regular academic activities; providing mentorship in areas of academics, patient care, research, and professional growth; providing outcomes measurements and reporting; and demonstrating continued importance in the development and growth of the chapter*

**Texas Chapter**

## **DISTINGUISHED INVESTIGATOR AWARD\***

Sponsor: American College of Critical Care Medicine

*Recognizes an established and active SCCM clinical investigator for meritorious and pioneering clinical research in critical care who has significantly contributed to the understanding of disease or treatment of patients*

**Daniel S. Talmor, MD, MPH**

Title of Presentation: *Pulmonary Physiology at the Bedside*

*\*Presented during the ACCM Distinguished Investigator Award and SCCM-Weil Research and Discovery Grant Presentation*

## **DISTINGUISHED SERVICE AWARD**

Sponsor: Society of Critical Care Medicine

*Recognizes SCCM members who have made exceptional leadership contributions that have furthered the vision and mission of SCCM over a period of time*

**Martin J. Ohlinger, PharmD, RPh, BCCCP, FCCM**

**Aarti Sarwal, MD, FCCM**

**William E. Dager, PharmD, BCPS, MCCM**

**Sandra L. Kane-Gill, PharmD, MSc, FCCM**

## **DRS. JOSEPH AND RAE BROWN AWARD**

Sponsor: Pennsylvania Chapter of the Society of Critical Care Medicine

*Recognizes an SCCM member who has significantly advanced multiprofessional, quality care for critically ill and injured patients at the regional or local level*

**Niels D. Martin, MD, FCCM**



**DRS. VIDYASAGAR AND NAGAMANI  
DHARMAPURI AWARD**

Sponsors: Drs. Vidyasagar and Nagamani Dharmapuri

*Recognizes an SCCM member for sustained exemplary and pioneering  
achievements in the care of critically ill and injured infants and children*

**Zena L. Harris, MD, FCCM**

**FAMILY-CENTERED CARE INNOVATION AWARD**

Sponsor: Society of Critical Care Medicine

*Recognizes innovations that improve the care provided to critically ill  
and injured patients and their families*

**Duke University Hospital**

**Durham, North Carolina, USA**

**Project: Interprofessional Education for Family Care During  
Resuscitation**

**FOUNDERS SPECIAL RECOGNITION AWARD**

Sponsor: Society of Critical Care Medicine

*Recognizes an individual for service and active participation in SCCM  
during the previous year*

**Jose L. Diaz-Gomez, MD, MAS, FCCM**

**Mary J. Reed, MD, FCCM**

**John B. Sampson, MD**

**GRENVIK FAMILY AWARD FOR ETHICS**

Sponsor: Grenvik Family Memorial Fund

*Established in memory of Christer Grenvik, MD, to honor an  
SCCM member who has promoted the ethical and humane delivery  
of critical care*

**Carrie S. Sona, BSN, CCNS, CCRN, MSN, FCCM**

**ICU HEROES AWARD\***

Sponsor: Society of Critical Care Medicine

*Recognizes that a patient and family are an integral part of ICU care  
and awards an ICU patient, the family, and the multiprofessional team  
that delivered the care*

**UChicago Medicine Comer Children's Hospital**

**Pediatric Intensive Care Unit**

**Chicago, Illinois**

**Cooper Roberts, Patient**

**Keely and Jason Roberts, Mother and Father**

**Luke Roberts, Twin Brother**

**Jason M. Kane, MD, FCCM, ICU Director**

**Lindsey Hambach, RN, Clinical Staff**

**Maggie Webb, BSN, RN, CCRN, Clinical Staff**

**Morristown Medical Center**

**Surgical Intensive Care Unit**

**Morristown, New Jersey**

**Ian Azeredo, Patient**

**Linda Farkas, Wife**

**Julie Farkas, Sister-in-law**

**Louis DiFazio, MD, ICU Director**

**Cathryn Pocoroba MS, PA-C, Clinical Staff**

**Renay Durling-Grover, APN-C Clinical Staff**

*\* Presented during the Opening Session*

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# Awards (continued)

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## **INNOVATION IN EDUCATION AWARD**

Sponsor: Society of Critical Care Medicine

*Honors an educator or team of educators who demonstrate(s) excellence and creativity in the development of an innovative educational program*

**Muhammad Faisal Khan, MD, FCCM**

## **LIFETIME ACHIEVEMENT AWARD\***

Sponsor: Society of Critical Care Medicine

*Honors an individual who has demonstrated a lifetime of meritorious contributions to the field of critical care through the advancement of medical science, medical education, or medical care*

**Janice L. Zimmerman, MD, MACP, MCCM**

*\*Presented during the Opening Session*

## **NORMA J. SHOEMAKER AWARD FOR CRITICAL CARE NURSING EXCELLENCE**

Sponsor: Society of Critical Care Medicine

*Honors Norma J. Shoemaker, RN, MN, FCCM, SCCM's first executive director, and recognizes an SCCM nurse member who demonstrates excellence in critical care clinical practice, education, and/or administration*

**Kwame A. Akuamoah-Boateng, DNP, ACNP-BC, FCCM**

## **SAFAR GLOBAL PARTNER AWARD**

Sponsor: Society of Critical Care Medicine

*Recognizes an individual, hospital, or organization that expands the global reach of SCCM*

**Antonio Joao Gandra D'Almeida, MD, MDM, FCCM**

## **SHUBIN-WEIL MASTER CLINICIAN/TEACHER: EXCELLENCE IN BEDSIDE TEACHING AWARD**

Sponsor: Weil Family Foundation

*Recognizes an SCCM member who is a role model in both the teaching and ethical practice of critical care and who has substantially furthered the expert and appropriate use of life support interventions*

**Rebecca A. Aslakson, MD, PhD, FCCM**

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# Research Grants

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## **SCCM-WEIL RESEARCH GRANT**

Funded by the SCCM-Weil Research Trust

*Awarded to SCCM members who focus on basic, translational, or clinical research to sponsor research efforts that will improve patient care in the ICU and after discharge*

***Racialization of ICU Notes and Debiasing Strategies to Lead to Fairer ICU Mortality Prediction***

**Julien Cobert, MD**

**San Francisco Veterans Affairs Medical Center  
San Francisco, California, USA**

***Unraveling Long COVID Pathophysiology:  
Insights From ICU Perspectives***

**Chantal Boly, MD**

**Erasmus University Medical Center  
Rotterdam, Netherlands**

## **DISCOVERY RESEARCH GRANT**

Funded by the Society of Critical Care Medicine

*Awarded to SCCM members as new pilot grants to support multi-institutional critical care research studies and is supported by Discovery, the Critical Care Research Network*

***Effect of Texas Senate Bill 8 on Critical Illness  
Among Pregnant Women***

**Catherine Chen, MD**

**University of Texas Southwestern Medical Center  
Dallas, Texas, USA**

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# SCCM Section Awards and Grants

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## **ANESTHESIOLOGY SECTION CONGRESS SCHOLARSHIP**

Sponsor: Anesthesiology Section of the  
Society of Critical Care Medicine  
*Racial and Ethnic Disparities in Failure-to-Rescue  
After Sepsis in Noncardiac Surgery*  
**Andres Laserna, MD, MS**

## **CLINICAL PHARMACY AND PHARMACOLOGY SECTION CONGRESS ATTENDANCE SCHOLARSHIP**

Sponsor: Clinical Pharmacy and Pharmacology Section of the  
Society of Critical Care Medicine  
**Amanda Leong, BSc.Pharm, ACPR**  
**Daniel Munoz**

## **CLINICAL PHARMACY AND PHARMACOLOGY SECTION CONGRESS SCHOLARSHIP**

Sponsor: Clinical Pharmacy and Pharmacology Section of the  
Society of Critical Care Medicine  
*Opioid-Related ED Morbidity, Mortality, and the Impact of a  
Multifaceted Pain Stewardship Initiative*  
**William J. Peppard, PharmD, BCPS, FCCM**

## **CLINICAL PHARMACY AND PHARMACOLOGY SECTION DISTINGUISHED SERVICE AWARD**

Sponsor: Clinical Pharmacy and Pharmacology Section of the  
Society of Critical Care Medicine  
**Keith M. Olsen, PharmD, MCCM**

## **CLINICAL PHARMACY AND PHARMACOLOGY SECTION EARLY-CAREER INVESTIGATOR AWARD**

Sponsor: Clinical Pharmacy and Pharmacology Section of the  
Society of Critical Care Medicine  
*Mind the Gap: Inadequate Sedation Following Procedural Paralysis in  
Critically Ill Patients*  
**Isabel Mangaoang, PharmD**

## **CLINICAL PHARMACY AND PHARMACOLOGY SECTION INNOVATIONS IN PATIENT SAFETY AWARD**

Sponsor: Clinical Pharmacy and Pharmacology Section of the  
Society of Critical Care Medicine  
*Standard Versus Augmented Corticosteroid Dosing in Mechanically  
Ventilated Patients due to COVID-19*  
**Blake T. Robbins, PharmD, MBA, BCCCP**

## EMERGENCY MEDICINE SECTION CONGRESS SCHOLARSHIP

Sponsor: Emergency Medicine Section of the  
Society of Critical Care Medicine

*High-Velocity Nasal Insufflation vs Noninvasive Positive Pressure  
Ventilation for COPD Exacerbation*

**David P. Yamane, MD**

*Venous Excess Ultrasound Score (VExUS) Guided Fluid Management  
in Septic Shock: A Pilot Trial*

**Brendan Innes, MD**

*Racial Disparities in Analgesia Prescribing Practices in Mechanically  
Ventilated Patients*

**Natalia Arizmendez, MD**

*Triple-Arm RCT Comparing Effect of 3 Feeding Regimens on Mortality  
in Septic Children in the PICU*

**Arun Bansal, MD, MRCPCH, MAMS, FCCM**

*ECPR Versus CCPR: Expanding the Therapeutic Window in Out-of-  
Hospital Cardiac Arrest*

**Kunihiko Maekawa, MD**

## INTERNAL MEDICINE SECTION CONGRESS SCHOLARSHIP

Sponsor: Internal Medicine Section of the  
Society of Critical Care Medicine

*Stability of Fluid Responsiveness During Usual Care: Dynamic Stroke  
Volume Guided Resuscitation*

**Ivor S. Douglas, MD, FRCP (UK)**

*A Continuous Objective Shivering Monitor During Targeted  
Temperature Management After Cardiac Arrest*

**Richard R. Riker, MD, FCCM**

*Functional Survival After Cardiac Arrest: Impact of CPR Adjuncts  
Combined With Head/Thorax Elevation*

**Paul E. Pepe, MD, MPH, MACP, FAEMS, MCCM**

*Analysis of Female Authorship in Critical Care and Emergency  
Medicine Publishing*

**Marilyn N. Bulloch, PharmD, BCPS, SPP, FCCM**

*High-Flow Versus Noninvasive Ventilation in Hypoxic Respiratory  
Failure: A Propensity-Matched Study*

**Elizabeth S. Munroe, MD**

*Assessing the Impact of Septic Cardiomyopathy on the Right Ventricle: A  
Serial Echocardiogram Study*

**Lekhya Raavi, MBBS**

*Racial Disparities in Analgesia Prescribing Practices in Mechanically  
Ventilated Patients*

**Natalia Arizmendez, MD**

## IN-TRAINING SECTION CONGRESS SCHOLARSHIP

Sponsor: In-Training Section of the  
Society of Critical Care Medicine

*Association Between Nursing Workforce Turnover and Agency Use on  
Pediatric Intensive Care Outcomes*

**Warren M. Taylor, MD**

*Pharmacist-Led Intervention to Prevent Inappropriate Continuation of  
Intensive Care Unit Medications*

**Nandini Patel, PharmD**

*TCD Is a Reliable Screening Tool for Decreased Cerebral Blood Flow in  
Pediatric Neurocritical Care*

**Sabrie Howell, MD**

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# SCCM Section Awards and Grants (continued)

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## NEUROSCIENCE SECTION CONGRESS SCHOLARSHIP

Sponsor: Neuroscience Section of the  
Society of Critical Care Medicine

*Striking the Balance: Optimizing Post-Thrombolysis ICU Monitoring  
Duration in Acute Stroke*

**Fajun Wang, MD**

*Impact of Early Initiation of Phenobarbital for Alcohol Withdrawal  
Syndrome in the Critically Ill*

**Kayla M. Kotch, PharmD, BCCCP**

## NURSING SECTION CONGRESS SCHOLARSHIP

Sponsor: Nursing Section of the  
Society of Critical Care Medicine

*Patient, Practice, and Organizational Factors Associated With  
ICU-Based Mobility Performance*

**Anna E. Krupp, PhD, MSHP, CCNS, CCRN-K, RN**

*Optimizing Timing of Daily Spontaneous Awakening and Breathing  
Trials to Improve Compliance*

**Kennedy C. Toban, DNP, AGACNP-BC**

## OSTEOPATHIC MEDICINE SECTION CONGRESS SCHOLARSHIP

Sponsor: Osteopathic Medicine Section of the  
Society of Critical Care Medicine

*Asthma and COVID-19: Impact on Length of Stay and Requirement of  
Mechanical Ventilation*

**Nathaniel Rosal, DO**

*Adherence to Resuscitation Ergonomics Amid High Rates of PICU Staff  
Turnover*

**Ila Sehgal, DO**

## PEDIATRICS SECTION CONGRESS SCHOLARSHIP

Sponsor: Pediatrics Section of the  
Society of Critical Care Medicine

*Hyperoxia-Induced Airway Resistance and Renin-Angiotensin System  
Expression in a Mouse Model of BPD*

**Jasmine Dowell, MD**

*Inverse U-Shaped Association Between Serum Angiopoietin-2 and  
MODS Risk in Pediatric Septic Shock*

**Siya Agrawal**

*Machine Learning Prediction of PICU-Associated Parental  
Posttraumatic Stress Symptoms*

**Mekela Whyte-Nesfield, MD**

## PHYSICIAN ASSISTANT SECTION CONGRESS SCHOLARSHIP

Sponsor: Physician Assistant Section of the  
Society of Critical Care Medicine

*Unlocking Hospice Benefits for UK Healthcare and Its Patients*

**Manpreet Datta, PA-C**

## RESEARCH SECTION CONGRESS SCHOLARSHIP

Sponsor: Research Section of the  
Society of Critical Care Medicine

*Endocrine Emergencies in Immune Checkpoint Inhibitor Therapy for  
Lung Cancer*

**Cosmo Fowler, MD**

*Analysis of geNe Expression and bioMarkers fOr poiNt-of-care dEcision  
support in Sepsis (ANEMONES)*

**Tamas Szakmany, PhD, MD, EDIC, MBE, FCCM**

## RESPIRATORY CARE SECTION CONGRESS SCHOLARSHIP

Sponsor: Respiratory Care Section of the  
Society of Critical Care Medicine

*Effects of Flows During High-Flow Nasal Cannula for Neonates and  
Pediatrics: A Systematic Review*

**Jie Li, PhD, NPS, RRT, ACCS, FCCM**

*Identifying Implementation Strategies to Bridge the Evidence-Based  
Practice Gap in ARDS Care*

**Joshua Veith, MD**

## SURGERY SECTION CONGRESS SCHOLARSHIP

Sponsor: Surgery Section of the  
Society of Critical Care Medicine

*Baseline Anti-Factor Xa Impact on Thrombotic Risk After  
Andexanet Alfa*

**Paige G. Bradshaw, PharmD, BCCCP**

*Strategy to Avoid Excessive Oxygen in Critically Ill Trauma Patients: A  
Multicenter Randomized Trial*

**David J. Douin, MD**

*Assessment of Post-Extubation Dysphagia in Surgical ICU Patients*

**Sandra Roh, MD**

## UNIFORMED SERVICES SECTION CONGRESS SCHOLARSHIP

Sponsor: Uniformed Services Section of the  
Society of Critical Care Medicine

*Clinical Assessment of Low Calcium In traUMa (CALCIUM):  
An Interim Analysis*

**Steven G. Schauer, MS**

*Implementation of PICU Intrahospital Transport Checklist and  
Associated Decrease in Adverse Events*

**Ashley E. Sam, DO**

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# Presidential Citation Award Recipients

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Sponsor: Society of Critical Care Medicine

*Recognizes SCCM members who have made extraordinary contributions  
of time, energy, and resources to SCCM during the previous year*

Enyo Ablordeppey, MD, MPH, FCCM  
Adebayo Adeyinka, MD, FCCM  
Ankita Agarwal, MD, MSc  
Kwame A. Akuamoah-Boateng, DNP, ACNP-BC, FCCM  
Kaitlin M. Alexander, PharmD  
Gil B. Allen, MD, FCCM  
Abdulrahman I. Alshaya, PharmD, BCPS, BCCCP  
Awni Al-Subu, MD  
Mahmoud A. Ammar, PharmD, BCPS, BCCCP, FCCM  
Ingrid M. Anderson, MD  
Laura Andrick, PharmD, BCCCP  
George L. Anesi, MD  
Andrew C. Argent, MD, MBBCh, Mmed  
Ashish Arora, MD  
Rahimullah I. Asad, MD  
Roselove Asare, RT  
Zachary P. Asher, PA-C, MHS, FCCM  
Amita Avadhani, PhD, DNP, ACNP, CCR, FCCM  
Wedad B. Awad, PharmD, BCPS  
Robert G. Baeten, DMSc, PA-C, MS  
Sarah E. Bain, MD  
Vishal Bakshi, PA-C, FCCM  
Aditi Balakrishna, MD  
Nicholas A. Barker, PharmD, BCCP, BCCCP  
Erin F. Barreto, PharmD, MSc, FCCM  
Rajit Basu, MD, MS, FCCM  
Torben K. Becker, MD, PhD  
Elizabeth J. Beckman, PharmD  
Carolyn M. Bell, PharmD, BCCCP, FCCM  
Courtney Bennett, DO  
Karen Berger, PharmD, BCPS, BCCCP, FCCM  
Utpal S. Bhalala, MD, FCCM  
Pavan Bhatraju, MD, MS  
Michael Bingaman, MBA, RRT-ACCS  
Brittany D. Bissell Turpin, PhD, PharmD, BCCCP, FCCM  
Edward A. Bittner, PhD, MD, MEd, FCCM  
Laura M. Blackburn, PharmD, BCPS, BCCCP, FCCM  
Vaibhav Bora, MD, FCCM  
Somnath Bose, MD, MPH  
Paige G. Bradshaw, PharmD, BCCCP  
Suzanne K. Bridge, MD  
Anne Rain Tanner Brown, PharmD, BCCCP, FCCM  
Caitlin S. Brown, PharmD, BCCCP, FCCM



Judah Brown, PharmD, BCCCP  
 William T. Browne, MD, FCCM  
 Mitchell S. Buckley, PharmD, FCCM  
 Nibras F. Bughrara, MD, FCCM  
 Lan N. Bui, PharmD, BCPS, MPH  
 Marilyn N. Bulloch, PharmD, BCPS, SPP, FCCM  
 Becky Burk, MD  
 Michael G. Buscher Jr, DO, FCCM  
 Lauren Caldwell, PharmD, BCCCP  
 David L. Carpenter, PA-C, JM, FCCM  
 Breanna L. Carter, PharmD, BCPS, BCCCP  
 Christopher K. Carter, PharmD, BCCCP, FCCM  
 Meghan M. Caylor, PharmD, BCPS, BCCCP  
 Rohini Chandrashekar, PT CCS  
 Jen-Ting Chen, MD, MS  
 Leon Chen, DNP, AGACNP-BC, FCCM  
 Sreekanth R. Cheruku, MD, MPH  
 Joshua Chestnutt  
 Kathleen Chiotos, MD  
 Grace Chong, MD  
 Stephanie R. Lombardi Ciapala, PharmD, BCCCP  
 Jennifer L. Cole, PharmD, BCPS, BCCCP, FCCM  
 Melanie Smith Condani, PharmD, BCPS, BCCCP, FCCM  
 Thomas Conlon, MD  
 Michael J. Connor Jr, MD  
 Samantha Connors  
 Randi L. Connor-Schuler, MD, BA  
 Lindsey Sellers Coppiano, PharmD, BCCCP  
 Ana M. Crawford, MD, MS  
 Christina Creel-Bulos, MD, RN-BSN  
 Aaron B. Dahl, MD  
 Cassidy M. Dahn, MD  
 Lisa M. Daniels, MD, BA  
 Danielle Davison, MD  
 Ashley D. DePriest, MS, RD, LD, CNSC  
 Ranjit Deshpande, MD, FCCM  
 Maya Dewan, MD, MPH  
 Fatima Diaban, DO  
 Deepali Dixit, PharmD, BCPS, BCCCP, FCCM  
 Heather S. Dolman, MD, FCCM  
 Molly E. Droege, PharmD  
 Jeremiah J. Duby, PharmD, BCPS, BCCCP, FCCM  
 Philip A. Efron, MD, FCCM  
 Timothy J. Ellender, MD, BSN, FCCM  
 Brenda M. Engler DNP, CCRN, ACNP, BS  
 Kellyn Engstrom, PharmD, MPH  
 Annette M. Esper, MD, MSc  
 Rania Esteitie, MD  
 Elizabeth A. Farrington, PharmD, BCNSP, BCPS, FCCM  
 Salia Farrokh, PharmD, BCCCP

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# Presidential Citation Award Recipients (continued)

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Carinda J. Feild, PharmD, FCCM  
Nadia Ferguson, PharmD, BCPS, BCCCP  
Saul Flores, MD, FCCM  
Christy C. Forehand, PharmD, BCCCP, FCCM  
Dana Foster, PharmD, BCCCP  
Marlena A. Fox, PharmD, BCPS, BCCCP, FCCM  
Madison Fratzke, BS, RRT, RRT-ACCS  
Christen A. Freeman, PharmD, MBA  
John J. Gallagher, DNP, CCNS, CCRN-K, FCCM  
Samantha Gambles Farr, MSN, APRN, CCRN  
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# Presidential Citation Award Recipients (continued)

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 Joanna Yohannes-Tomicich, MSN, NP-C, AGACNP-BC, FCCM

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# Research Awards Ceremony

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Sponsor: Society of Critical Care Medicine

## ABSTRACT-BASED AWARDS

### IN-TRAINING AWARD

- 11 Association Between Nursing Workforce Turnover and Agency Use on Pediatric Intensive Care Outcomes  
*Warren Taylor, Jonathan Pelletier, Julia Heneghan, Sriram Ramgopal, Maeve Woeltje, Andrew Prout, Kelly Potter, Robert Clark, Christopher Horvat*

### EARLY-STAGE RESEARCHER AWARD

- 50 Death One Hour After Terminal Extubation (DONATE): A Multisite Cohort Study  
*Meredith C. Winter, Alice X. Zhou, Eugene Laksana, Melissa D. Aczon, David R. Ledbetter, Michael Avesar, Nina Fainberg, Stephanie Hsu, Michael C. McCrory, Katie R. Morrow, Caitlin E. O'Brien, Charlene Pringle, Patrick A. Ross, Sareen Shah, Leonid Shpaner, Linda B. Siegel, Sandeep Tripathi, Randall C. Wetzel*

### GOLD MEDAL AWARD

- 46 Effect of Antipsychotics on Agitation in ICU Delirium: Secondary Analysis of a Randomized Trial  
*Shayan Rakhit, Caroline Birdrow, Rameela Raman, Amelia Maiga, Christina Boncyk, Joanna Stollings, E. Wesley Ely, Mayur Patel, Timothy Girard*

### SILVER MEDAL AWARD

- 41 Causes for Low-Quality Bag-Mask Ventilation Differ Across Pediatric Age Groups  
*Lindsay N. Shepard, Natalie Napolitano, Cheryl Dominick, Amanda J. Nickel, Justine Shults, Elizabeth Laverriere McGovern, Benjamin B. Bruins, Amanda O'Halloran, Jimmy W. Huh, Alexis Topjian, Matthew Kirschen, Ryan W. Morgan, Robert M. Sutton, Vinay Nadkarni, Akira Nishisaki*

### BRONZE MEDAL AWARD

- 16 Increased Carbohydrate Intake Is Associated With Survival in Patients With Severe Burns  
*Beth Shields, Leopoldo C. Cancio, Kaitlin A. Pruskowski, Daren Heyland*

## STAR RESEARCH AWARDS

- 1      **Diagnostic and Prognostic Value of Procalcitonin in Critically Ill Cancer Patients With Sepsis**  
*Lama Nazer, Wedad B. Awad, Hadeel Thawabieh, Aseel Abusara, Deema Abdelrahman, Awad Addassi, Maher Sughayer, Osama Abuatta, Yahya Shehabi*
- 2      **Procalcitonin and Antimicrobial Utilization in Critically Ill Cancer Patients With Sepsis (Pro-Can)**  
*Lama Nazer, Wedad B. Awad, Hadeel Thawabieh, Aseel Abusara, Deema Abdelrahman, Awad Addassi, Osama Abuatta, Maher Sughayer, Yahya Shehabi*
- 3      **Neutrophil and Monocyte Phagocytosis in Children With Septic Shock**  
*Emily Ernest, Kathleen Jedreski, Andrew Snyder, Josey Hensley, Maggie Flowers, Katherine Blin, Mark Hall, Jennifer Muszynski*
- 4      **Characterization of Circulating Heparan Sulfate During Pediatric Sepsis: A Pilot Study**  
*Hugh Quach, Lei Zheng, Zhanjie Wang, Jian Liu, Jillian Richter, Robert P. Richter*
- 5      **PBMC Adhesion Response: A Physiologic Biomarker for Immune Cell Exhaustion in Septic Shock?**  
*Vidula Vachharajani, Margaret Jeng, Anugraha Gandhirajan, Sanjoy Roychowdhury, Emily Cross*
- 6      **Association Between Opioid Administration During Mechanical Ventilation and Subsequent Opioid Use**  
*Justin Rucci, Laura Myers, Nicholas A. Bosch, Lauren Soltesz, S Reza Jafarzadeh, Ycar Devis, Cynthia Campbell, Jennifer Stevens, Hannah Wunsch, Vincent Liu, Allan Walkey*
- 7      **Characterizing Health Disparities in Rehabilitation for Critically Ill Children**  
*Anjali Garg, Raquel Hernandez, Sapna Kudchadkar*
- 8      **Prognosis of Acute Kidney Disease With or Without Acute Kidney Injury in the PICU**  
*Carly Stilphen, John A. Kellum, Andrew Levey, Lillian Mauroner, Cassandra Formeck, Nahmah Kim-Campbell, Dana Y. Fuhrman*
- 9      **Impact of Delirium in the Pediatric Intensive Care Unit Two Months After Discharge**  
*Celine Thibault, Simon Macdonald, Genevieve Du Pont-Thibodeau, Camille Jutras, Nadia Roumeliotis, Karen Harrington, Catherine Farrell, Jacques Lacroix, Laurence Ducharme-Crevier*
- 10     **Impact of a Virtual ICU Recovery Clinic in Saskatchewan, Canada**  
*Eric Sy, Elena Deptuch, Jenna England, Sandy Kassir, Natasha Gallant, Jonathan F. Mailman*
- 12     **Pro-PICU Up! Pilot Trial: Feasibility and Impact of an Early Mobility Protocol in Pediatric ICUs**  
*Razvan Azamfirei, Colleen Mennie, Ronke Awojoodu, Deanna Behrens, Sofia Padilla, Kate Madden, Sarah W. Goldberg, Megan Geno, Mary-Jeanne Manning, Michelle Piole, Erik Madsen, Danielle Maue, Samer Abu-Sultaneh, Dale M. Needham, Sapna Kudchadkar*

## STAR RESEARCH AWARDS (CONTINUED)

- 13      Point Prevalence of Parental Presence in the Pediatric Intensive Care Unit (5Ps)  
*Michelle R. Brajcich, Wynne E. Morrison, Samuel Rosenblatt, Nadir Yehya*
- 14      Debrief to Reduce Burnout and Build Resilience in Pediatric Residents During Critical Care Rotations  
*Sharmila Jai Kumar, Jessica Asencio, Joanna Fishbein, Andrea La Bella, Ji Yoon Lee*
- 15      I-PASS-to-PICU: Implementing Standard Interfacility Referral Handoffs for Pediatric ICU Transfer  
*Nehal Parikh, Madhuradhar Chegondi, Shilpa Balikai, Mitchell Luangrath, Kimberly Beasley, Heather Elmore, Jennifer Erdahl, Aditya Badhoka, Jessica P. Liu, Kathryn P. Gray, Heather S. Reisinger, Christopher Landrigan, Christina L. Cifra*
- 17      Malnutrition's Influence on Outcomes in Emergent GI Surgery in Older Adults  
*Benjamin Nguyen, Danielle Ruediger, Paul Wischmeyer, An-Kwok Ian Wong, Christopher E. Cox, Joseph Fernandez-Moure, Suresh Agarwal, Krista Haines*
- 18      Impact of Early Initiation of Phenobarbital for Alcohol Withdrawal Syndrome in the Critically Ill  
*Kayla M. Kotch, Alvin Sharma, Sreelatha Naik, Zainab Gandhi*
- 19      Reduction of Delirium and Sedative Drug Doses by BIS-Guided Deep Sedation in the ICU: Clinical Trial  
*Iván A. Huespe, Sergio A. Giannasi, Katia Acosta, Thomas Pawlowski, Md Hoque, Jason Nagourney, Diego Giunta, Debora Avila, Eduardo Prado, Indalecio Carboni Bisso, Federico C. Carini*
- 20      A Multicenter Study of Pulmonary Embolism Patients Treated With Reduced- or Full-Dose Alteplase  
*Roman Melamed, David Tierney, Ranran Xia, Caitlin S. Brown, Kristin Mara, Abbey Sidebottom, Matthew Lillyblad, Brandon Wiley, Ivan Khapov, Gajic Ognjen*
- 21      Functional Survival After Cardiac Arrest: Impact of CPR Adjuncts Combined With Head/Neck Elevation  
*Paul E. Pepe, Kerry M. Bachista, Johanna C. Moore, Jeffrey M. Goodloe, Matthew J. Pierce, Ryan P. Quinn, Jerome S. Cole, Christopher E. Williamson, James R. Reynolds, Lewis H. Siegel, Lauren D. Emanuelson, Peter M. Antevy, W. Elwin Crawford, Joseph E. Holley, Kenneth A. Schepke*
- 22      Obesity Does Not Worsen Outcomes in Pediatric ECMO  
*Dana Coccola, Kenneth Remy, Ira Cheifetz*
- 23      Medical Equipment Reduces Out-of-Bed Mobility for Critically Ill Children  
*Jessica LaRosa, Razvan Azamfirei, Sapna Kudchadkar*
- 24      Temperature Management in Patients With Out-of-Hospital Cardiac Arrest Receiving ECPR  
*Akihiko Inoue, Takuya Taira, Takeshi Nishimura, Masafumi Suga, Shinich Ijuin, Shigenari Matsuyama, Satoshi Ishihara*

- 25      **Ketamine Extraction by Extracorporeal Life Support Circuits**  
*Andrew Chevalier, Danielle J. Green, Rachel Hudson, J. Porter Hunt, Autumn McKnite, Aviva Whelan, Kevin Watt*
- 26      **e Increasing Incidence of Invasive Bacterial Infections During the COVID-19 Pandemic**  
*Blake Martin, Peter DeWitt, Seth Russell, Melissa Haendel, L. Nelson Sanchez-Pinto, David Albers, Ravi Jhaveri, Richard Moffitt, Tellen Bennett*
- 27      **Social Deprivation and Short-Term Mortality Among Critically Ill Patients With COVID-19**  
*Muhammad Waqar Sharif, John Garza, Kejal Shah, Hamza Khair, Laura Gonzalez, Aun Muhammad, Raksha Venkatesan, Lavi Oud*
- 28      **Standard Versus Augmented Corticosteroid Dosing in Mechanically Ventilated Patients due to COVID-19**  
*Blake T. Robbins, Todd J. Miano, Todd J. Miano, Eric Bensadoun, Brittany D. Bissell Turpin, Mojdeh Heavner, Megan A. Rech, Parijat Sen, Melissa L. Thompson Bastin*
- 29      **Adolescent PICU Admissions in US Children's Hospitals for Intentional Drug Intoxication During COVID**  
*Joelle Brown, Haitham Al-Khatib, David K. Ngendahimana, Steven Shein*
- 30      **Favipiravir in Hospitalized COVID-19 Patients: A Meta-Analysis of Randomized Controlled Trials**  
*Aiman Naveed, Huzaifa Ahmad Cheema, Abia Shahid, Harpreet Singh, Jonathan Kurman, Mohammad Ebad Ur Rehman, Mohammad Umer, Syeda Sahra, Faran Ahmad, Sharjeel Ahmad*
- 31      **Trends in Pediatric Critical Care Mortality From 2001 to 2019**  
*Elizabeth Y. Killien, R Scott Watson, Matthew Keller, Mary Hartman*
- 32      **Epidemiology of Pediatric Oncology and Bone Marrow Transplant in U.S. ICUs Over Time**  
*Kyle B. Lenz, R Scott Watson, Jennifer J. Wilkes, Mary Hartman, Elizabeth Y. Killien*
- 33      **Visualizing the Burden of Pediatric Firearm Injury and Death in Philadelphia: A Geospatial Analysis**  
*Anireddy Reddy*
- 34      **Measuring Pupillary Reflex Dilation in Critically Ill Pediatric Patients Using Infrared Pupillometry**  
*Philip Suh, Paul Liu, Daniel Shrey, Robert Kelly, Adam Schwarz*
- 35      **Association Between Sexual and Gender Minority Youth Identity and Outcomes After Suicide Attempt**  
*Jessica E. McDade, Madeline Wozniak, Gabriela Sauza, Maraisha Philogene, Lilian McKinley, Kerryn Roome, Nicholas Dimenstein, Amy Xia, Elizabeth Y. Killien, Lie Tjoeng*
- 36      **Epinephrine Infusion Does Not Correct Perfusion After Pediatric Cardiac Arrest in Rats**  
*hoai Ton, Victor Velado, Mish Shoykhet*

## STAR RESEARCH AWARDS (CONTINUED)

- 37      **Drag-Reducing Polymers Reduce Inflammation, Endothelial Degradation, and Coagulopathy in Sepsis**  
*Denis Bragin, Olga Bragina, Michael Pinsky, Can Ince, Edwin Nemoto*
- 39      **PEG-20k IV Resuscitation Improves Survival and Microvascular Perfusion in Rat Model of Septic Shock**  
*Loren K. Liebrecht, Hae Sung Kang, Charles Payne, Nancy Lee, Martin J. Mangino*
- 40      **Platelet Protein Phosphatase-1 Modulates Fibrin Polymerization: Implication in Sepsis-Induced TAMOF**  
*Deepika Subramanyam, Trung Nguyen, Arun Saini, Marina Martinez-vargas, Caitlin Vonderohe, Stefanie Rivera, Justin Courson, Inka Didelija, Barbara Stoll, Juan Marini, Miguel A. Cruz, Vinod Vijayan*
- 42      **High-Velocity Nasal Insufflation vs Noninvasive Positive Pressure Ventilation for COPD Exacerbation**  
*David P. Yamane, Christopher Jones, Gentry Wilkerson, Joshua J. Oliver, Soroush Shahamatdar, Aditya Loganathan, Taylor Bolden, Connor L. Kelly, Amy Bergeski, Jessica S. Whittle, Andrew C. Meltzer*
- 43      **Strategy to Avoid Excessive Oxygen in Critically Ill Trauma Patients: A Multicenter Randomized Trial**  
*David Douin, Erin Anderson, John Rice, Conner Jackson, Alex Cheng, Jessica Cwik, Aimee Steinwand, Steven G Schauer, Martin A. Schreiber, Matthew Semler, Wesley Self, Vikhyat Bebarta, Adit Ginde*
- 44      **Low-Quality Bag-Mask Ventilation Is Associated With Adverse Airway Outcomes**  
*Lindsay N. Shepard, Natalie Napolitano, Cheryl Dominick, Amanda J. Nickel, Justine Shults, Elizabeth Laverriere McGovern, Benjamin B. Bruins, Amanda O'Halloran, Jimmy W. Huh*
- 45      **Extubation During Pediatric Extracorporeal Membrane Oxygenation Is Safe and Improves Mobility**  
*Christina R. Rufener, Zaineb Boulil, Denise Suttner, David K. Werho, Helen Harvey, Nicole O'Brien, Sapna Kudchadkar, Nicole G. Coufal*
- 47      **Endocrine Emergencies in Immune Checkpoint Inhibitor therapy for Lung Cancer**  
*Cosmo Fowler, Vaibhuv Nangia, Daniel Goldberg, Lauren Chism, Stephen M. Pastores*
- 48      **Mechanical Ventilation and Venous Thromboembolism Risk: A Multicenter, Retrospective Cohort Study**  
*Elizabeth E. Havlicek, Jamie C. Palumbo, Gerardo Soto-Campos, Neil Goldenberg, Anthony A. Sochet*
- 49      **Overnight Extubation in Pediatric Critical Care: Analysis of a National Quality Improvement Registry**  
*Venu Amula, Huong Meeks, Kevin Hummel, Ian Lovern, Jill Sweney, Brian Flaherty*

## GOLD SNAPSHOT AWARD

- 199 Does Use of a Multidisciplinary Progression Team Improve Outcomes for Patients With Tracheostomies?  
*Mark Godfrey, Katlyn Baker, Sara Oldach, Edward Parson, Saimir Sharofi, Randolph Edwards, David Allison, Anthony Morascini, Daniel Ricaurte*
- 358 Predicting Severity of Delirium on ICU Admission: Development of an Automated Machine Learning Model  
*Roshini Raghu, Adnan Md Mohiuddin, Yu-Li Huang, Vitaly Herasevich, Heidi Lindroth*
- 535 Impact of Various eGFR Equations on the Pharmacokinetics of Meropenem in Critically Ill Adults  
*Erin F. Barreto, Jack Chang, Andrew Rule, Kristin Mara, Laurie Meade, Johar Paul, Paul Jannetto, Arjun Athreya, Marc Scheetz*
- 748 Hypertonic Saline, Hyperchloremia, and the Development of Acute Kidney Injury in PICU Patients  
*Joseph Bernardo, William Patten, Bertha Ben Khallouq, J. Gene Chen*
- 771 Low Incidence of Seizures in Neonates Following Cardiac Surgery With Cardiopulmonary Bypass  
*Eleonore Valencia, Melissa Smith-Parrish, Steven J. Staffa, Akshaya Sundaramurthy, Anna Fisk, Philip Levy, Meena Nathan, Aditya Kaza, Viviane Nasr, Arnold Sansevere*
- 887 Impact of Substance Use Disorders on Health Outcomes in Critically Ill Children With Sepsis  
*Havell Markus, Conrad Krawiec, Neal Thomas*
- 1053 Comparative Analysis of Reperfusion Approaches in Pulmonary Embolism: A Nationwide Analysis  
*Claudia Ramirez, Mohamed Ziad-M. Said, Matthew Frank, Abbas Alshami*
- 1187 High-Flow Nasal Oxygen: Impact on Aspiration and the Care of Medically Complex Patients  
*Kimberly Deal, Rebecca Volk, Kelly Van Dahm, Daniel Cucher, Melissa Kovacs*
- 1280 Bloodstream Infection Reduction After the Bright STAR PICU Diagnostic Stewardship Collaborative  
*Charlotte Z. Woods-Hill, Danielle Koontz, Elizabeth Colantuoni, Shaoming Xiao, Anping Xie, Marlene Miller, James Fackler, Aaron Milstone*
- 1281 Blood Culture Stewardship in a Large Clinically Cohorted Pediatric ICU  
*Aarti Bavare, Denver Niles, Asma Razavi, Erin Kritz, Venessa Pinto, Thomas Fogarty, Catherine Foster, Anne Lam, Amanda Wollam, Grant Stimes, Judith Campbell*

## SILVER SNAPSHOT AWARD

- 133      **Comparative Analysis of HemoCue Versus a Colorimetric Assay to Measure Cell-Free Plasma Hemoglobin**  
*Madison Butler, Dana Y. Fuhrman, Nahmah Kim-Campbell*
- 200      **Reduction in Right Ventricular Afterload With Nitric Oxide Predicts Survival in COVID-19 ARDS**  
*Lauren E. Gibson, Raffaele Di Fenza, Roberta De Santis Santiago, Marvin Chang, Lorenzo Berra*
- 308      **e 2022-23 National RSV Surge: An Epidemiologic Shift in Pediatric RSV Hospitalizations**  
*Zachary A. Winthrop, Jennifer M. Perez, Steven J. Staffa, Michael L. Mcmanus, Melody A. Duvall*
- 673      **Institutional Variability in Respiratory Support Modalities for Pediatric Asthma**  
*Colin M. Rogerson, Benjamin R. White, Samer Abu-Sultaneh, Alexander Hogan, Briana Waldo, Michele Smith, Christopher Carroll, Steven Shein*
- 812      **rombotic Microangiopathy Syndromes in Children: An Analysis of the Kids' Inpatient Database**  
*Pooja Musuku, Paul A. Martinez, Balagangadhar R. Totapally*
- 842      **Outcomes Following Prolonged Midazolam Administration After Pediatric Traumatic Brain Injury in Rats**  
*Alexis Thompson, Manisha Ramprasad, Manda Saraswati, Paige Mathena, Shenandoah Robinson, Lauren Jantzie, C. David Mintz, Courtney L. Robertson*
- 914      **Comparison of F(ab')<sub>2</sub> Versus Fab Antivenom in North American Pit Viper Envenomation**  
*Kyle Volland, Caroline Welch, Ryan Cook, Jessica Andrews*
- 937      **Evaluation of IV Push Versus Piggyback Cefepime in Critically Ill Patients With Sepsis and Obesity**  
*Susan Smith, Christopher M. Bland, Trisha Branan*
- 993      **Serum and CSF Concentrations of Midazolam and 1-Hydroxy-Midazolam in Neurosurgical Patients With EVD**  
*Robert MacLaren, Julie E. Farrar, Sylvia S. Stefanos, Luis Cava, Tyree H. Kiser, Scott Mueller, Robert Neumann, Paul Reynolds, Deb Sherman*
- 1215      **Decreasing Time to Extubation With a Collaborative Spontaneous Breathing Trial Algorithm**  
*Emily Spradley, Rita A. Brintzenhoff, Mata Rocio, Karla Brown, Lacey Spangler, Kyle Thompson, Susan L. Evans*



## BRONZE SNAPSHOT AWARD

- 125     **Death Spiral by Neurologic Criteria: Navigating Parental Responses to Pediatric Brain Death**  
*Erica Andrist, Heidi R. Flori, Matthew Kirschen, Nneka Sederstrom, Christopher Carroll, Janice Firn*
- 154     **Machine Learning-Guided Subphenotyping of Critically Ill Patients After Cardiac Surgery**  
*Jacob Desman, Paul McCarthy, Mekeleya Yimen, Gordon Smith, Roopa Kohli-Seth, Girish Nadkarni, Ankit Sakhuja*
- 276     **Pulmonary Hypertension and Mortality Predictors in Patients With Diastolic Dysfunction**  
*Ishan Gupta, Adiswhar Rao, Akriti Agrawal, Farah Kazzaz, Nicholas Balbin, Dhruv Kumar, Saabith Garg, Srikar Yeruva, Rishi Panjala, Bindu Akkanti*
- 361     **Common ICU Diagnoses Associated With Early ED Downgrade by a Novel Emergency Critical Care Program**  
*Pranjal B. Gupta, Nicholas M. Levin, Alexandra June Gordon, Jennifer G. Wilson, Tsuyoshi Mitarai*
- 376     **Implementation of a PE Pathway Increases Definitive Treatment and Decreases Hospital Length of Stay**  
*Jennifer Johnson, Hamid Mojibian, Reinier Van Tonder, Indy Singh, Ginger Rouse, Daniel Heacock, Deborah Rhodes, Jeffrey Pollak, Akhil Khosla*
- 924     **Evaluation of Intravenous Opioid Exchange in Critically Ill Intubated Patients**  
*Christopher Wilson, Samantha Smith, Tabitha Brown, Anne Mainardi, Alicia Stowe, Megan Patel*
- 1026     **Ketamine Infusion for Analgosedation in Mechanically Ventilated Trauma Patients**  
*Andrew Jung, Christopher Miller, Emily McLaughlin, Mark McMellen*
- 1239     **Impact of Pharmacist ABCDEF Bundle Interventions on Duration of Intubation in ICU Patients**  
*Madissen Humphries, Alston Poellnitz, Christen Freeman*
- 1288     **Challenges in Pediatric Oncology Critical Care: A Two-Year Experience Using PROACTIVE Worldwide**  
*Anita V. Arias, Maria Puerto-Torres, Angela Puerto, Janet Middlekauff, Hyun Jy Chung, Asya Agulnik, PROACTIVE Working Group*
- 1293     **Decreasing Unplanned Extubations Through Respiratory Therapist-Driven Quality Improvement**  
*Christy Thomas, Jordan Unlap, Jeremy M. Loberger*

### **CASE REPORT SNAPSHOT - 1ST PLACE**

- 1507 Intravenous Prostacyclin therapy for Nonoperative Salvage of Shock due to Right Ventricular Failure  
*Dakota McNierney, Christopher Lau, Nafis Shamsid-Deen*

### **CASE REPORT SNAPSHOT - 2ND PLACE**

- 743 A Rare Case of Severe Medication-Refractory Status Dystonicus in a Pediatric Patient  
*Richard McCormick, Jennifer Taylor, James Horstmann, Rishi Laroia, Ashley Helseth*

### **CASE REPORT SNAPSHOT - 3RD PLACE**

- 1573 Endovascular Balloon Occlusion of the Aorta in a Frozen Abdomen and Massive Gastrointestinal Bleed  
*Aldin Malkoc, Raja GnanaDev, Angel Guan, So Un Kim, Hailey Shoemaker, Keith Glover, Brandon Woodward, Samuel Schwartz*



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