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

Research Awards Presentation
Sunday, the Twenty-First of January
Two Thousand Twenty-Four
3:15 P.M.

Phoenix Convention Center North
Room 131
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.
Musical Selections

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.
PROGRAM

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

RECESSINAL*
*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.
SOCIETY OF CRITICAL CARE MEDICINE

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
American College of Critical Care Medicine

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
Awards

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
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
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
SCCM Section Awards and Grants

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
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
Presidential Citation Award Recipients

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 Ablordepepy, 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, MSEd, 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
Presidential Citation Award Recipients (continued)

Carinda J. Feild, PharmD, FCCM
Nadia Ferguson, PharmD, BCPS, BCCCP
Paul 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 Gamble Farr, MSN, APRN, CCRN
Antonio J. Gandara D’Almeida, MD, MDM, FCCM
Rita Mamdouh Gayed, PharmD, BCCCP, FCCM
Hayley B. Gershengorn, MD, FCCM
Gabrielle A. Gibson, PharmD, BCPS, BCCCP
Brian W. Gilbert, PharmD, BCPS, BCCCP, MBA, FCCM
Sarah Ginsburg, MD
Ramon Gist, MD
Hernando Gomez, MD, MPH
Jaime L. Gray, PharmD, BCCCP, FCCM
Emily Green, PharmD, BCCCP, MSHS
Wendy R. Greene, MD, FCCM
Carrie L. Griffiths, PharmD, BCCCP, FCCM
Robert Groff, MD
Vadim Gudzenko, MD
Payal K. Gurnani, PharmD, BCPS, BCCCP, FCCM
Lisa Hall Zimmerman, PharmD, BCPS, BCNSP, BCCCP, FCCM
Mark E. Hamill, MD, FCCM
Leslie A. Hamilton, PharmD, BCPS, BCCCP, FCCM
Samuel I. Hamerman, MD
Rashed A. Hasan, MD, FCCM
Melissa Hazlitt, MD, MA
Mojdeh S. Heavner, PharmD, BCPS, BCCCP, FCCM
Smith F. Heavner, PhD, RN
Vitaly Herasevich, PhD, MD, FCCM
Lizzette Hernaiz, MSN, ACNP, FNP-C
Kristie A. Hertel, DNP, ACNP, CCRN, FCCM
Donald B. Hoffman Jr, PhD, MD, MBA, MS
Devin N. Holden, PharmD, BCPS, BCCCP
Andre Holder, MD, MS, FCCM
Steven M. Hollenberg, MD, FCCM
Michelle Horng, PharmD, BCCCP, FCCM
Russ Horowitz, MD, RDMS
Jose C. Humanes, MD
John C. Hunninghake, MD
Kristian Hunt, ACNP, BSN
Robert C. Hyzy, MD, MCCM
Lauren A. Igneri, PharmD, BCPS, BCCCP, FCCM
Presidential Citation Award Recipients (continued)

Wynne E. Morrison, MD, MBE, FCCM
Cristin A. Mount, MD, FCCM
Jodi E. Mullen, MS, CCRN-K, CCNS, FCCM
Claire V. Murphy, PharmD, BCPS, FCCM
Travis Murphy, MD
Brian P. Murray, BCCCP, PharmD
Ndidi L. Musa, MD, FCCM
Pooja A. Nawathe, MD, CHSE-A, FCCM
Lama Nazer, PharmD, BCPS, FCCM
Dustin Neel, MD
Christopher D. Newman, MBA, PA-C, FCCM
Robert E. Newmyer, MD
Jerika V. Nguyen, PharmD, BCPS, BCCCP
Akira Nishisaki, MD, MSCE
Sean A. Nix, DO, FCCM
Christa H. Nobleza, MD, MSCI
Connor G. O’Brien, MD
Frank M. O’Connell, MD, FCCM
Tessie W. October, MD, MPH
Martin J. Ohlinger, PharmD, RPh, BCCCP, FCCM
Keith M. Olsen, PharmD, MCCM
Brandon Oto, PA-C, FCCM
Yves Ouellette, PhD, MD, FCCM
Nicole M. Palm, PharmD, BCCCP, FCCM
Tina L. Palmieri, MD, MCCM
Komal Pandya, PharmD, BCCCP, FCCM
Josep Panisello, MD
Stephen M. Pastores, MD, MD, MACP, MCCM
Jaimini Patel, PharmD
Mona K. Patel, PharmD, BCCCP, FCCM
Tricia Pendergrast, MD
Christian S. Perme, PT CCS, FCCM
Carolyn D. Philpott, PharmD, BCCCP
Richard M. Pino, PhD, MD, FCCM
Janelle O. Poyant, PharmD, BCPS, BCCCP
Aliaksei Pustavoitau, MD, FCCM
Marina Rabinovich, PharmD, BCPS, FCCM
John J. Radosevich, PharmD, BCPS, BCCCP, FCCM
Aniket S. Rali, MD
Michelle M. Ramirez, MD
Lisa Rapoport, MD, MS
Stephen Rappaport, PharmD, FCCM
Michelle Rausen, MS, RRT, RRT-NPS
Megan A. Rech, PharmD, BCCCP, MS, FCCM
Kyle J. Rehder, MD, CPPS, FCCM
John P. Reilly, MD, MS, FCCM
Kenneth E. Remy, MD, MSc, MSCI, FCCM
2024 Masters of Critical Care Medicine

Heatherlee Bailey, MD, MCCM

Sandralee A. Blosser, MD, MCCM

Rob Grabenkort, PA, MMSc, MCCM

Bruce M. Greenwald, MD, MCCM

Keith M. Olsen, PharmD, MCCM

John M. Oropello, MD, MCCM

Stephen M. Pastores, MD, MACP, MCCM
2024 Fellows of the American College of Critical Care Medicine

Qalab Abbas, MBBS, FCCM
Hiba Abdel Aziz, MD, FCCM
Javier Amador-Castaneda, BS, RRT, FCCM
Marwa Amer, PharmD, BCPS, BCCCP, FCCM
Suneesh C. Anand, MD, FCCM
Megan E. Barra, PharmD, FCCM
Kristina A. Betters, MD, FCCM
Avi Bhavaraju, MD, FCCM
Saptarshi Biswas, MD, FCCM
Sarah L. Bloom, MSN, APRN, AGACNP-BC, FCCM
Stephanie L. Bonne, MD, FCCM
Michael G. Buscher Jr, DO, FCCM
Jose Chavez, DNP, RN, CCRN, CNS, FCCM
Joy Lo Chen, MD, FCCM
Paul J. Chestovich, MD, FCCM
Ronald Collier, MD, FCCM
Melanie Smith Condeni, PharmD, BCPS, BCCCP, FCCM
Jorge A. Coss-Bu, MD, FCCM
Uyen Diep, PharmD, BCCCP, FCCM
Michele Domico, MD, FCCM
Tammy L. Eaton, PhD, RN, MSc, FNPN-BC, FCCM
Jessica L. Elefritz, PharmD, BCCCP, FCCM
Mohamed S A Elfar, MD, MS, FCCM
Rachelle Firestone, PharmD, BCCCP, FCCM
Tara R. Flack, PharmD, BCCCP, FCCM
Brigid C. Flynn, MD, FCCM
Gabriel V. Fontaine, PharmD, MBA, BCPS, BCCCP, FCCM
Marlena A. Fox, PharmD, BCPS, BCCCP, FCCM
Rita Mamdouh Gayed, PharmD, BCCCP, FCCM
Shira J. Gertz, MD, FCCM
Varsha P. Gharpure, MD, FCCM
Kristina Goff, MD, FCCM
Alok Gupta, MD, FCCM
James F. Hall, MPH, MD, FCCM
Scott A. Harvey, MD, MS, FACOG, FCCM
Jeremiah Hayanga, MD, MPH, FCCM
Christina J. Hayhurst, MD, FCCM
Renee S. Hebbeler-Clark, MD, MS, FCCM
Guillaume L. Hoareau, PhD, DVM, DACVECC, FCCM
Brandon P. Hobbs, PharmD, BCPS, BCCCP, FCCM
Andre Holder, MD, MS, FCCM
Michelle Horng, PharmD, BCCCP, FCCM
Remi Hueckel, DNP, CHSE, CPNP-AC, FCCM
Anurag Johri, MD, FCCM
Lesly V. Jurado Hernandez, PharmD, BCPS, BCCCP, BCNSP, FCCM
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. Azcon, 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

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
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 Bline, 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, Anugraba Gandhirajan, Sanjoy Roychoudhury, 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. The 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, Nambah 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. The 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-Joanne Manning, Michelle Piole, Erik Madsen, Danielle Maue, Samer Abu-Sultanah, Dale M. Needham, Sapna Kudchadkar
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 Badheka, 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. Huepe, Sergio A. Giannasi, Katia Acosta, Thomas Pawlowski, Md Hoque, Jason Nagourney, Diego Giunta, Debra Avila, Eduardo Prado, Indalecio Carboni Biso, 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 Oguzen

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

22 Obesity Does Not Worsen Outcomes in Pediatric ECMO
Diana Coccola, Kenneth Remy, Ira Cheifetz

23 Medical Equipment Reduces Out-of-Bed Mobility for Critically Ill Children
Jessica LaRosa, Razvan Azamsfirei, 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 The 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 Wagar 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, Brittaney D. Bissell Tarpin, 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 Sabra, 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 Pupilometry 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, Marisha Philogene, Lilian McKinley, Kerry 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
Drag-Reducing Polymers Reduce Inflammation, Endothelial Degradation, and Coagulopathy in Sepsis
Denis Bragin, Olga Bragina, Michael Pinsky, Can Ince, Edwin Nemoto

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

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

High-Velocity Nasal Insufflation vs Noninvasive Positive Pressure Ventilation for COPD Exacerbation
David P. Yamane, Christopher Jones, Gentry Wilkerson, Joshua J. Oliver, Soroush Shahaamatdar, Aditya Loganathan, Taylor Bolden, Connor L. Kelly, Amy Bergeksi, Jessica S. Whittle, Andrew C. Meltzer

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

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. Hub

Extubation During Pediatric Extracorporeal Membrane Oxygenation Is Safe and Improves Mobility
Christina R. Rufener, Zaineb Boulit, Denise Suttner, David K. Werbo, Helen Harvey, Nicole O’Brien, Sapna Kudchadkar, Nicole G. Coufal

Endocrine Emergencies in Immune Checkpoint Inhibitor Therapy for Lung Cancer
Cosmo Fowler, Vaibhuv Nangia, Daniel Goldberg, Lauren Chism, Stephen M. Pastores

Mechanical Ventilation and Venous Thromboembolism Risk: A Multicenter, Retrospective Cohort Study
Elizabeth E. Havlicek, Jamie C. Palumbo, Gerardo Soto-Campas, Neil Goldenberg, Anthony A. Sochet

Overnight Exubation in Pediatric Critical Care: Analysis of a National Quality Improvement Registry
Venu Amula, Huong Meeks, Kevin Hummel, Ian Lovern, Jill Sweeney, Brian Flaberty
GOLD SNAPSHOT AWARD

Does Use of a Multidisciplinary Progression Team Improve Outcomes for Patients With Tracheostomies?
Mark Godfrey, Katlyn Baker, Sarah Oldach, Edward Parson, Saimir Sharofi, Randolph Edwards, David Allison, Anthony Morascini, Daniel Ricarturte

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

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

Hypertonic Saline, Hyperchloremia, and the Development of Acute Kidney Injury in PICU Patients
Joseph Bernardo, William Patten, Bertha Ben Khallouq, J. Gene Chen

Low Incidence of Seizures in Neonates Following Cardiac Surgery With Cardiopulmonary Bypass

Impact of Substance Use Disorders on Health Outcomes in Critically Ill Children With Sepsis
Havell Markus, Conrad Krawiec, Neal Thomas

Comparative Analysis of Reperfusion Approaches in Pulmonary Embolism: A Nationwide Analysis
Claudia Ramirez, Mohamed Ziad-M. Said, Matthew Frank, Abbas Alshami

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

Bloodstream Infection Reduction After the Bright STAR PICU Diagnostic Stewardship Collaborative
Charlotte Z. Wood-Hill, Danielle Koontz, Elizabeth Colantuoni, Shaoming Xiao, Anping Xie, Marlene Miller, James Fackler, Aaron Milstone

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 The 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 Thrombotic 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’)2 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, Saahith 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 Khoda

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