

THE AMERICAN COLLEGE
OF CRITICAL CARE MEDICINE



33rd ANNUAL
CONVOCAION OF FELLOWS

&

Society of

Critical Care Medicine

The Intensive Care Professionals



AWARDS AND GRANTS



DIVERSITY
EQUITY INCLUSION



THE AMERICAN COLLEGE OF CRITICAL CARE MEDICINE

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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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

Martha A.Q. Curley, RN, PhD, FAAM

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

Sergio L. Zanotti-Cavazzoni, MD, FCCM

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

Oregon 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

E. Wesley Ely, MD, MPH, MCCM

Title of Presentation: *The Power of Human Stories Driving ICU Liberation: Rebuilding What Was Lost in COVID-19*

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

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Lewis J. Kaplan, MD, FCCM

AWARDS (CONTINUED)

DR. 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*

Daniel Wu, DO, 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*

Kathleen L. Meert, 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*

Cooper University Health Care

Cooper Medical School of Rowan University

CritiCall Connections

Viner Intensive Care Unit

Camden, New Jersey, USA

FOUNDERS SPECIAL RECOGNITION AWARD

Sponsor: Society of Critical Care Medicine

*Recognizes an individual for appreciation of services and active
participation in SCCM during the previous year*

Jorge L. Hidalgo, MD, MACP, MCCM

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*

Erin T. Paquette, MD, JD, M.Bioethics

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*

Cooper University Health Care

Cooper Medical School of Rowan University

Viner Intensive Care Unit

Camden, New Jersey, USA

Team Leader: Nitin Puri, MD

*Patient and Family: Jonathan Rosen (patient)
and the Rosen Family*

AWARDS (CONTINUED)

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

Mayo Clinic

Checklist for Early Recognition and Treatment of Acute Illness and Injury

Rochester, Minnesota, USA

Grace M. Arteaga, MD, FCCM

Yue Dong, MD

Ognjen Gajic, MD, FCCM

Katherine Heise, APPN, CNP

Rahul Kashyap, MBBS, MBA

Alexander S. Niven, MD

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

Philip S. Barie, MD, MBA, MCCM

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

Elizabeth A. Scruth, PhD, RN, CCNS, MPH, FCCM

PATIENT SAFETY FIRST! AWARD

Sponsor: Society of Critical Care Medicine

Recognizes a unit or program that demonstrates novel, effective patient safety initiatives for critically ill and injured patients

OSF HealthCare Children's Hospital of Illinois

Move 2 Improve/Pediatric Delirium Project

Peoria, Illinois, USA

SAFAR GLOBAL PARTNER AWARD

Sponsor: Society of Critical Care Medicine

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

John B. Sampson, MD

Michael J. Waxman, MD, MBA, FCCM

Sociedad Ecuatoriana de Medicina Critica

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

Deborah A. Kuhls, MD, FCCM

RESEARCH GRANTS

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 after discharge

Katie Moynihan, MD

Geographic Access to Pediatric Healthcare According to Social Determinants of Health

Joshua Denson, MD

The Impact of a Metabolic Syndrome Phenotype in ARDS

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

Kusum S. Matthews, MD

*Disparities and Critical Care Access During Surge:
A Multi-Center Operational Analysis*

Whitney Gannon, RN

ECMO-Free Trial: A Multi-Center Pilot Feasibility Study

SCCM SECTION AWARDS AND GRANTS

ANESTHESIOLOGY SECTION CONGRESS SCHOLARSHIP

Sponsor: Anesthesiology Section
of the Society of Critical Care Medicine

Vanessa Mazandi, MD

#830 Effects on Mitochondrial Dynamics Following Therapeutic Intervention in a Large Animal TBI Model

Daniel E. Leisman, MD, MSCR

#182 Renin-Angiotensin System Markers and Nonpulmonary Organ Injury in Severe COVID-19 Pneumonia

CLINICAL PHARMACY AND PHARMACOLOGY SECTION DISTINGUISHED SERVICE AWARD

Sponsor: Clinical Pharmacy and Pharmacology Section
of the Society of Critical Care Medicine

Steven J. Martin, PharmD, BCPS, FCCM

CLINICAL PHARMACY AND PHARMACOLOGY SECTION INNOVATIONS IN PATIENT AND MEDICATION SAFETY AWARD

Sponsor: Clinical Pharmacy and Pharmacology Section
of the Society of Critical Care Medicine

Serena Dine, PharmD, BCPS, BCCCP

#879 Development of a Pharmacist-Managed Protocol for Transition From Intravenous to Subcutaneous Insulin

CLINICAL PHARMACY AND PHARMACOLOGY SECTION CONGRESS SCHOLARSHIP

Sponsor: Clinical Pharmacy and Pharmacology Section
of the Society of Critical Care Medicine

Susan Smith, PharmD, BCPS, BCCCP

#1218 Comparison of Medication Regimen Complexity and Patient Acuity to Predict Pharmacist Interventions

CLINICAL PHARMACY AND PHARMACOLOGY SECTION YOUNG PHARMACIST INVESTIGATOR AWARD

Sponsor: Clinical Pharmacy and Pharmacology Section
of the Society of Critical Care Medicine

Jessica Cercone, PharmD

#981 Anticoagulation Targets in Patients With ARDS Receiving Extracorporeal Membrane Oxygenation

SCCM SECTION AWARDS AND GRANTS (CONTINUED)

EMERGENCY MEDICINE SECTION CONGRESS SCHOLARSHIP

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

Paul E. Pepe, MD, MPH, MACP

#2 *Clinical Confirmation of Profound Improvements in Neuro-Intact Survival Using the Head-Up CPR Bundle*

Brian M. Fuller, MD, MSCI, FCCM

#10 *The Sustainability of Lung-Protective Ventilation in the ED: A 5-year, Single-Center Experience*

Nicholas M. Mohr, MD, MS, FCCM

#1413 *Emergency Telemedicine Reduces Mortality in Rural Sepsis Cases Treated by Nonphysician Providers*

Randi L. Connor-Schuler, MD, BA

#825 *Feasibility and Reliability of POCUS TCD in Diagnosing Cerebral Vasospasm in Subarachnoid Hemorrhage*

Bailey Buenger, MD

#961 *Evaluation of Liposomal Bupivacaine in Cardiothoracic Surgery Patients Requiring Sternotomy*

INTERNAL MEDICINE SECTION CONGRESS SCHOLARSHIP

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

John A. Cuenca, MD

#1418 *Effects of Recent Use of Checkpoint Inhibitors on Outcomes of Cancer Patients With Septic Shock*

Jennifer L. Cole, PharmD, BCCP, BCCCP, FCCM

#918 *Effects of a Novel Steroid Stewardship Project in Hospitalized AECOPD Patients*

Akira Kuriyama, MD, PhD, MPH, FCCM

#101 *Anxiety, Depression, and Burnout in Critical Care Professionals in Japan in the COVID-19 Pandemic*

Christy C. Forehand, PharmD, BCCCP, FCCM

#245 *Medication Regimen Complexity Score to Predict Inpatient Death in Critically Ill COVID-19 Patients*

Valerie Danesh, RN, PhD, FCCM

#137 *Clinical Characteristics of COVID Recovery Clinic Patients in an Integrated Health System*

IN-TRAINING SECTION CONGRESS SCHOLARSHIP

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

Miguel A. Ibarra-Estrada, MD

#19 *Prone Positioning in Awake Patients With COVID-19-Associated Respiratory Failure: The PROCARF Trial*

SCCM SECTION AWARDS AND GRANTS (CONTINUED)

NEUROSCIENCE SECTION CONGRESS SCHOLARSHIP

Sponsor: Neuroscience Section
of the Society of Critical Care Medicine

Ashley M. Bach, MD, MPH

#750 Association of EEG and MRI Findings With Outcomes After Pediatric Cardiac Arrest

NURSING SECTION CONGRESS SCHOLARSHIP

Sponsor: Nursing Section
of the Society of Critical Care Medicine

Christine DeForge, RN, MSN

#852 Systematic Review and Meta-Analysis of Interventions for ICU Surrogates Making End-of-Life Decisions

Tammy L. Eaton, PhD, RN

#461 Exploring the Landscape of Symptom Burden in Critical Illness Survivors

OSTEOPATHIC MEDICINE SECTION CONGRESS SCHOLARSHIP

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

Nafisa Wadud, MD

#153 Outcomes Among Intubated and Nonintubated COVID-19-Positive and Intubated COVID-19-Negative Patients

PEDIATRICS SECTION CONGRESS SCHOLARSHIP

Sponsor: Pediatrics Section
of the Society of Critical Care Medicine

Mallory Smith, MD

#37 Family Presence at the Bedside in the Pediatric Intensive Care Unit

Benjamin White, MD

#53 PARDS in Children With Lower Respiratory Tract Infection: A Bronchiolitis and Co-Detection Substudy

PHYSICIAN ASSISTANT SECTION CONGRESS SCHOLARSHIP

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

Erin Niles, PA-C

#295 Venovenous Extracorporeal Membrane Oxygenation Referral Patterns for COVID-19 Respiratory Failure

SCCM SECTION AWARDS AND GRANTS (CONTINUED)

RESEARCH SECTION CONGRESS SCHOLARSHIP

Sponsor: Research Section
of the Society of Critical Care Medicine

Blake Martin, MD

#25 *Characteristics and Outcomes of 728,047 Children in the National COVID Cohort Collaborative (N3C)*

Nadir Yehya, MD, MSCE

#55 *Biomarker Trajectories of Direct and Indirect Acute Respiratory Distress Syndrome in Children*

RESPIRATORY CARE SECTION CONGRESS SCHOLARSHIP

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

Fajun Wang, MD

#1208 *Impact of Respiratory Therapist-Driven Protocol on Unplanned Adult Neurovascular ICU Readmissions*

Andrew G. Miller, MS, RRT

#1169 *Effect of Reducing Pressure Support During ERT in Children With Congenital Heart Disease*

SURGERY SECTION CONGRESS SCHOLARSHIP

Sponsor: Surgery Section of the Society of Critical Care Medicine

Krista Haines, DO

#581 *Hospital Change to SMOF Lipid Parenteral Nutrition in Critically Ill Adults Improves Outcomes*

Melanie S. Condeni, PharmD, BCPS, BCCCP

#897 *Fixed vs Variable-Dose Prothrombin Complex Concentrate in Warfarin-Related Bleeding: A Meta-Analysis*

Victoria Miles, MD

#1530 *Stress Hyperglycemia, Not Diabetes, Is Associated With Increased Mortality and Ventilation in Trauma*

UNIFORMED SERVICES SECTION CONGRESS SCHOLARSHIP

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

John A. Cuenca, MD

#739 *Outcomes of Critically Ill Patients With Acute Leukemia and Septic Shock*

Joshua Krieger, MD

#1249 *Potential for Extubation in the Emergency Department to Reduce Brief Intensive Care Unit Admissions*

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*

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Kunal Karamchandani, MD, FCCM
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Rahul Kashyap, MBA, MBBS
Joshua B. Kayser, MD, MPH, MBE, FCCM
Jozef Kesecioglu, MD, PhD
Ashish K. Khanna, MD, FCCM
James S. Killinger, MD, FCCM
Keith Killu, MD, FCCM
Amy Kiskaddon, PharmD, BCPPS
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Meghan B. Lane-Fall, MD, MS, FCCM
Jennifer A. LaRosa, BA, MD, FCCM
Jong O. Lee, MD, FCCM
Mitchell M. Levy, MD, MCCM
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FCCM
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RESEARCH AWARDS PRESENTATION

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ABSTRACT-BASED AWARDS

IN- TRAINING AWARD

- #49 Admission PaO₂ and Mortality Among Pediatric ICU Patients and Critically Ill Subgroups
Caroline Holton, Brian Lee, Paul Bauer

YOUNG INVESTIGATOR AWARD

- #4 The Effect of Hydrocortisone Versus Hydrocortisone Plus Fludrocortisone on Shock-Free Days
Kayla John, Megan Kirkpatrick, Priyanka Aytoda, Jessica Elefritz, Marilly Palettas, Brittany Rosales, Claire Murphy, Bruce Doepker

GOLD MEDAL AWARD

- #19 Prone Positioning in Awake Patients With COVID-19-Associated Respiratory Failure: The PROCARF Trial
Miguel Ibarra-Estrada, Alexandra Vargas-Obieta, Miguel Marin-Rosales, Sara Aguirre-Díaz, Roxana García-Salcido, Jose López-Pulgarín, Quetzalcoatl Chavez-Peña, Julio Mijangos-Méndez, Guadalupe Aguirre-Avalos

SILVER MEDAL AWARD

- #20 Metabolic Syndrome and ARDS in COVID-19
Aaron Gillet, Yuanhao Zu, Thaidan Pham, Margo Brown, Yilin Yoshida, Franck Mauvais-Jarvis, Ivor Douglas, Donna Armaignac, Katherine Belden, Smith Heavner, Valerie Danesh, Sreekanth Cheruku, Catherine St. Hill, Neha Deo, Vikas Bansal, Vishakha Kumar, Allan Walkey, Rahul Kashyap, Joshua Denson

BRONZE MEDAL AWARD

- #9 Association of Maximal Inspiratory Pressure and Weaning in Patients Undergoing Diaphragm Pacing
Martin Dres, Marcelo Gama de Abreu, Thomas Similowski

STAR RESEARCH AWARDS

- #1 Mechanical Thrombectomy Improves Cardiac Index in Pulmonary Embolism Patients in Subclinical Shock
Bushra Mina
- #2 Clinical Confirmation of Profound Improvements in Neuro-Intact Survival Using the Head-Up CPR Bundle
Paul Pepe, Johanna Moore, José Labarère, Charles Lick, Kenneth Scheppke, Peter Antevy, Charles Coyle, Ryan Quinn, Joseph Holley, Edwin (Mack) Hutchison, Paul Adams, Remle Crowe, Sue Duval, Guillaume Debaty, Keith Lurie
- #3 A Multicenter Study of Withdrawal of Therapy in Extracorporeal Cardiopulmonary Resuscitation
Julia Carlson, Eric Etchill, Glenn Whitman, Bo Kim, Chun (Dan) Woo Choi, Romergryko Geocadin, Sung-Min Cho

RESEARCH AWARDS PRESENTATION (CONTINUED)

- #5 Assessment of a Combined Biomarker-EMR Data Machine Learning Model for Sepsis-3
Akhil Bhargava, Carlos Lopez-Espina, Setareh Manafirasi, Shah Khan, Lee Schmalz, Arham Nihal, Jonah Ellman, Ishan Taneja, Bobby Reddy
- #6 Timing of VTE Chemoprophylaxis With Major Orthopedic Surgery of Femoral and Tibial Fractures
Kristin Salottolo, Mark Lieser, Nnamdi Nwafso, Robert Madayag, Allen Tanner, Matthew Carrick, Chad Corrigan, Kaysie Banton, David Bar-Or
- #7 Impact of Fluid Resuscitation in End-Stage Renal Disease Patients With Septic Shock
Katie Chernoby, Allison Dzingle, Jessica Elefritz, Bruce Doepker, Andrea Nei, Dustin Gladden, Jeffery Galyon, Megan Van Berkel Patel, Kathryn Disney, Jessica Parker, Brittany Hoyte
- #8 Molecular Adsorbent Recirculating System Therapy for Acute Liver Failure: Institutional Indications
Guinevere Johnson, Sagar Dave, William Teeter, Thomas Scalea, Christopher Kolokythas, Shannon Gaasch, Donna Mursch, Jeff Broski, Brittany Daniels, Elizabeth Powell, Kim Boswell, Daniel Haase, Brooke Andersen, Chui Sai-Ho, Craig Sadler, Samuel Galvagno
- #10 The Sustainability of Lung-Protective Ventilation in the ED: A 5-Year, Single-Center Experience
Brian Fuller, Nicholas Mohr, Brian Roberts, Robert Stephens, Ryan Pappal, Enyo Ablordeppey, Christopher Palmer, Marin Kollef
- #11 A Statewide Analysis of the Origins of De Novo Pulmonary Embolism: Does the Liver Play a Role?
Ryan Cohen, Candace Ward, Samantha Olafson, Pak Shan Leung, Mark Kaplan, Jay Strain, Afshin Parsikia, Benjamin Moran
- #12 Heterogeneity of Effect of PEEP Strategy by Subphenotypes Derived From Clinical Data in ARDS
Rachel Kast, Lucas Bulgarelli, Emily Van Ark, Jeff Osborn, Diego Rey, Abhijit Duggal, Matthew Siuba, Alexandre Biasi, Fernando Zampieri, Israel Maia, Denise Paisani, Ligia Laranjeira, Ary Serpa Neto, Rodrigo Deliberato
- #13 Reduction in Reaction Oxygen Species With Novel Intervention Following TBI in a Large Animal Model
Vanessa Mazandi, David Jang, Samuel Shin, Abhay Ranganathan, Nile Delso, William Landis, Jonathan Starr, Todd Kilbaugh
- #14 Boosting Stem Cell Therapy by Metabolic Glycoengineering to Improve Outcomes After Cardiac Arrest
Xiaofeng Jia, Jian Du, Zhuoran Wang, Rima Sheth
- #15 Nucleosomes and Nuclear DNA, but Not Mitochondrial DNA, Are Associated With Pediatric ARDS Mortality
Nadir Yehya, Jill Thompson, Nilam Mangalmurti

RESEARCH AWARDS PRESENTATION (CONTINUED)

- #16 Estrogen Effects on the Endothelial-Glycocalyx Barrier Under Shock Conditions
Lawrence Diebel, Sonia Sharma, David Liberati
- #17 Arming Vesiculovirus With SARS-CoV-2 S-Protein Creates a Murine Model of Severe COVID-19 ARDS
Alvin Tieu, Damian Chwastek, Lansdell Casey, Taylor Jamieson, Ilkow Carolina, Duncan Stewart, Manoj Lalu
- #18 Depression, Anxiety, and Somatization Among Critical Care Professionals During the COVID Pandemic
Robyn Branca, Paul Branca
- #21 Respiratory Muscle Wasting Is Associated With Mortality in ICU COVID-19 Patients
Connor Wakefield, Seungjun Kim, Rachel Geroux, Christopher Seder, Palmi Shah, Sarah Peterson, David Vines, Dana Hayden, Robert Balk
- #22 ARBs and ACE Inhibitors Are Associated With Improved Outcomes in Males Hospitalized With COVID-19
Genevieve Rocheleau, Terry Lee, Yassene Mohammed, David Goodlet, Kevin Burns, Matthew Cheng, Karen Tran, James Russell
- #23 Lenzilumab in Hospitalized Black/African-American COVID-19 Patients: Live-Air Phase 3 Study Results
Zelalem Temesgen, Charles Burger, Claudia Libertin, Cameron Durrant, Dale Chappell, Omar Ahmed, Adrian Kilcoyne, Gabrielle Chappell, Edward Jordan, Andrew Badley
- #24 Variation in Management of COVID-19 Acute Respiratory Distress Syndrome and Associated Mortality
Michael Garcia, Shelsey Johnson, Emily Sisson, Christopher Sheldrick, Vishakha Kumar, Karen Boman, Vikas Bansal, Marija Bogojevic, Juan Pablo Domecq Garces, Amos Lal, Ognjen Gajic, Rahul Kashyap, Allan Walkey
- #25 Characteristics and Outcomes of 728,047 Children in the National COVID Cohort Collaborative (N3C)
Blake Martin, Peter DeWitt, Seth Russell, Adam Dziorny, Christopher Chute, Melissa Haendel, Richard Moffitt, Tellen Bennett
- #26 Pediatric COVID-19-Associated Hyperinflammation Score: The VIRUS Registry Predictive Analytic Study
Meghana Nadiger, Prithvi Raj Sendi Keshavamurthy, Utpal S Bhalala, Balagangadhar Totapally
- #27 Twice-Daily Enoxaparin as Primary Thromboprophylaxis in Pediatric Patients Hospitalized for COVID-19
Anthony Sochet, John Morrison, Julie Jaffray, Nihal Godiwala, Hope Wilson, Courthney Thornburg, Rukhmi Bhat, Ayesha Zia, Courtney Lawrence, Sapna Kudchadkar, Francis Hamblin, Fatima Tariq, Christopher Russel, Michael Streiff, Alex Spyropoulos, Ernest Amankwah, Neil Goldenberg
- #28 Acute Kidney Injury and SARS-CoV-19 in Children: Data From the National COVID Cohort Collaborative
Margaret Brennan, Susan Martin, Peter DeWitt, Tellen Bennett, Rajit Basu, Adam Dziorny

RESEARCH AWARDS PRESENTATION (CONTINUED)

- #29 Diastolic Blood Pressure Threshold During Pediatric CPR and Outcomes: A Multicenter Validation Study
Robert Berg, Ryan Morgan, Ron Reeder, Kellimarie Cooper, Kathryn Graham, Patrick McQuillen, Kathleen Meert, Chella Palmer, Bradley Tilford, Heather Wolfe, Andrew Yates, Vinay Nadkarni, Robert Sutton
- #30 PICU Overnight INTerprofessional Education of Residents (POINTER) Improves Knowledge and Confidence
Andrew Becker, Megan Bernstein, Jubrae Peurifoy, Steve Loscalzo, Phillip Cohen, Kelly Martin, Samuel Rosenblatt
- #31 Examining the Association Between ICU Operational Conditions and Clinical Decision-Making
Jaeyoung Park, Xiang Zhong, Yue Dong, Vitaly Herasevich, Amelia Barwise, Brian Pickering
- #32 SAfety and FEasibility of Portable MRI with ECMO (SAFE-ECMO Study)
Eric Etchill, Samantha By, Katherine Giuliano, Ana Velez, Sean Kearney, Melissa Jones, Errol Bush, Jeffrey Dodd-o, Bo Kim, Peter Barker, Eddy Boskamp, Glenn Whitman, Michael Poole, Chun (Dan) Woo Choi, Sung-Min Cho
- #33 Epinephrine Dosing Intervals Are Associated With Pediatric Cardiac Arrest Outcomes
Martha Kienzle, Ryan Morgan, Ron Reeder, Robert Berg, Kellimarie Cooper, Stuart Friess, Kathryn Graham, Kathleen Meert, Vinay Nadkarni, Heather Wolfe, Robert Sutton
- #34 Extracorporeal Membrane Oxygenation Support: A Bridge to Palliation in Single-Ventricle Physiology
Ivana Capin, George Ofori-Amanfo, Maria Esperanza, Raghav Murthy, Gary Oldenburg, Kristi Glotzbach, Scott Aydin
- #35 Understanding the ECMO, Recovery, and Outcome Experience of Pediatric Respiratory ECMO Survivors
Claire Hennigan, Eva Cheung, Donna Garey, Annette Zygmunt, Marilyn Morris, Andrew Geneslaw
- #36 Pediatric Chest Compression Duty Cycle Using Arterial Pressure Waveforms
Thomas Rappold, Ryan Morgan, Mary Weeks, Nicholas Widmann, Kathryn Graham, Kellimarie Cooper, Vinay Nadkarni, Todd Kilbaugh, Heather Wolfe, Martha Kienzle, Amanda O'Halloran, Robert Berg, Robert Sutton
- #37 Family Presence at the Bedside in the Pediatric Intensive Care Unit
Mallory Smith, Robert Ohman, Elizabeth Killien, Leslie Dervan, Frederick Rivara, Monica Vavilala, R Watson
- #38 Pediatric Health Disparities: The Role of Built Environment on Pediatric Critical Illness
Carlie Myers, Jules Bergmann, Kevin Psoter, Aruna Chandran, Panagis Galiatsatos
- #39 Characteristics of Prognostic Statements During Pediatric Intensive Care Family Conferences
Divya Gupta, Amy Wolfe, Tessie October

RESEARCH AWARDS PRESENTATION (CONTINUED)

- #40 Characteristics of Diagnostic Error in Pediatric Critical Care: A Multicenter Study
Christina Cifra, Jason Custer, Craig Smith, Kristen Smith, Jodi Bloxham, Sonali Ramesh, Patrick Ten Eyck, Jeffrey Dawson, Heather Reisinger, Hardeep Singh, Loreen Herwaldt
- #41 Predicting Intensive Care Transfers and Unforeseen Events in Pediatric Inpatients (PICTURE-Peds)
Michael Stevens, Brandon Cummings, Sardar Ansari, Joseph Blackmer, Rodney Daniels
- #42 Association Between Study Factors and Enrollment by Race/Ethnicity in Pediatric Acute Care Research
Erin Paquette, Kelly Michelson, Lauren Balmert, Elizabeth Alpern, Mercedes Carnethon, Joel Frader, Lainie Ross, Seema Shah, Matthew Davis
- #43 Parental Symptoms of Anxiety and Depression Upon PICU Discharge and at 30-Day Follow-Up
Lynne Rosenberg, Linda Gerber, Yuqing Qiu, Chani Traube
- #44 Long-Term Posttraumatic Stress Disorder in Pediatric Intensive Care
Mekela Whyte-Nesfield, Dan Kaplan, Jiaxiang Gai, Karli Breedon, Toah Nkromah, William Cuddy, Simon Li
- #45 Assessment of Intravascular Fluid Volume in Children by Point-of-Care Ultrasound
Tara Osman, Mina Hafzalab, Sandeep Tripathi
- #46 Fluid Overload Confounds Creatinine-Based Definitions of Acute Kidney Injury in Pediatric ARDS
Celeste Dixon, Sameer Thadani, Julie Fitzgerald, Ayse Akcan-Arikan, Nadir Yehya
- #47 Multiple Organ Dysfunction and PELOD-2 Score in Pediatric Cerebral Malaria
Hunter Johnson, Madiha Raees, Evangelina Urbina, Terrie Taylor, Karl Seydel, Nicole O'Brien
- #50 Peak & Driving Pressures Stratify Respiratory Failure Severity in Cyanotic Congenital Heart Disease
Hugues Yver, Aaron DeWitt, Neal Thomas, Nadir Yehya
- #51 The Association of Neighborhood Social Vulnerability and Pediatric Acute Respiratory Failure
Nadine Najjar, Anne Fitzpatrick, Jocelyn Grunwell
- #52 Epidemiology and Outcome Trends of Hospitalized Infants With RSV Bronchiolitis During 1997-2016
Daniel Torres, Prithvi Raj Sendi Keshavamurthy, Paul Martinez, Kaitlin Kobaitri, Balagangadhar Totapally
- #53 PARDS in Children With Lower Respiratory Tract Infection: A Bronchiolitis and Co-Detection Substudy
Benjamin White, Lee Polikoff, Alexandre Rotta, Sebastian Gonzalez-Dambrauskas, Ledys Izquierdo, Alicia Sandoval, Pablo Castellani, Christopher Watson, ryan Nofziger, Steven Pon, Todd Karsies, Steven Shein

RESEARCH AWARDS PRESENTATION (CONTINUED)

- #54 Mechanical Power Is Associated With Mortality in Pediatric Acute Respiratory Distress Syndrome
Andrew Percy, Nadir Yehya
- #55 Biomarker Trajectories of Direct and Indirect Acute Respiratory Distress Syndrome in Children
Nadir Yehya, Jill Thompson, Garrett Keim, Mark Mai, Jason Christie
- #56 Agreement Between Decelerating-Flow PIPs and Square-Flow Plateau Pressures in Pediatric ARDS
Bhavesh Patel, Nadir Yehya
- #57 Diagnostic Stewardship for Blood Cultures in Critically Ill Children: The Bright STAR Collaborative
Charlotte Woods-Hill, Elizabeth Colantuoni, Danielle Koontz, Annie Voskertchian, Anping Xie, Marlene Miller, Jim Fackler, Aaron Milstone
- #58 Persistent Serum Renin Elevation Is Associated With Acute Kidney Injury in Pediatric Septic Shock
Natalja Stanski, Naomi Pode Shakked, Hector Wong, Stuart Goldstein
- #59 Autonomic Nervous System Dysfunction Is Associated With Rehospitalization in Pediatric Septic Shock
Colleen Badke, Lindsey Swigart, Michael Carroll, Debra Weese-Mayer, L. Nelson Sanchez-Pinto
- #60 Children's Hospitals Are Associated With Improved Outcomes in PICU Patients With Sepsis
Ashish Nagpal, Manzilat Akande, Teddy Muisyo, James Cutler, Michael Anderson, Christine Allen
- #61 Temporal Patterns in Brain Tissue Oxygenation Associated With Mortality After Severe TBI in Children
Jaskaran Rakkar, Justin Azar, Jonathan Pelletier, Alicia Au, Michael Bell, Dennis Simon, Patrick Kochanek, Robert Clark, Christopher Horvat
- #62 Effects of Ketamine on Intracranial Pressure in Children With Severe Traumatic Brain Injury
Jennifer Laws, Haley Vance, Jessica Anderson, Kristina Betters, Sydney Fleishman, Cristopher Bonfield, John Wellons, Dario Giuse, Neal Patel, Lori Jordan, Michael Wolf
- #63 Hospital-Specific Contribution to Mortality in Children With Severe Sepsis and Head Injury
Hannah Mitchell, Nadir Yehya
- #64 Epidemiology and Outcomes of Multiple Organ Dysfunction Syndrome Following Pediatric Trauma
Elizabeth Killien, Jana Zahlan, Hetal Lad, R Watson, Monica Vavilala, Frederick Rivara

RESEARCH AWARDS PRESENTATION (CONTINUED)

GOLD SNAPSHOT AWARDS

- #1532 Antibiotic Prophylaxis Following Penetrating Abdominal Trauma With Associated Orthopedic Injury
Lauren Dehne, Madeline Foertsch, Christopher Droege, Daniel Mosher, Carolyn Philpott, Eric Mueller, Amy Makley, Henry Sagi, Molly Droege
- #507 Association of Illness Severity With Family Outcomes Following Pediatric Septic Shock
Elizabeth Killien, Jerry Zimmerman, J. Lin Di Gennaro, R Watson
- #1161 Delayed Provider Recognition of Pediatric Acute Respiratory Distress Syndrome
Daniel Kaplan, Layne Silver, Matthew Taylor, Sareen Shah
- #830 Effects on Mitochondrial Dynamics Following Therapeutic Intervention in a Large Animal TBI Model
Vanessa Mazandi, David Jang, Samuel Shin, Abhay Ranganathan, Nile Delso, William Landis, Jonathan Starr, Todd Kilbaugh
- #1081 Eicosapentaenoic Acid Reduces Pulmonary Endothelial Cell Adhesion Protein Expression With IL-6
Samuel Sherratt, Peter Libby, Deepak Bhatt, Hazem Dawoud, Tadeusz Malinski, Preston Mason
- #1287 Implementing a Standardized Respiratory Care-Driven Electronic Pathway for Status Asthmaticus
Merrick Lopez, Gulixian Abudukadier, Harsha Chandnani, Carissa Cianci, Ekua Cobbina, Julie Fluitt, Michele Grainger, Danny Kaufman, Anthony Moretti, James Pappas, Robert Ruiz, Carlos Samayoa, Michael Tiras, Michele Wilson
- #569 A Comparison Between Artificial Intelligent Algorithms and Clinicians in Predicting ICU Discharges
Chao-ping Wu, Alex Milinovich, Rachael Shirley, Eduardo Mireles-Cabodevila, Abhijit Duggal, Hassan Khouli, Anirban Bhattacharyya
- #1437 Application of Machine Learning in a Linked Multicenter Dataset: Classifying MODS in Septic Shock
Margaret Brennan, Robert Lindell, Akira Nishisaki, Julie Fitzgerald, Adam Dziorny
- #959 Correlation of the Critical Care Pain Observation Tool and Numeric Rating Scale in ICU Patients
Joanna Stollings, Kelli Rumbaugh, Li Wang, Christina Hayhurst, Pratik Pandharipande, Wes Ely, Christopher Hughes
- #1382 Divergent Effects of Therapeutic Hypothermia on Cold Stress Hormones After Pediatric Cardiac Arrest
Jeremy Herrmann, Ericka Fink, Anthony Fabio, Alicia Au, Rachel Berger, Keri Janesko-Feldman, Robert Clark, Patrick Kochanek, Travis Jackson

RESEARCH AWARDS PRESENTATION (CONTINUED)

SILVER SNAPSHOT AWARD

- #339 Emergency Transfers Are Associated With Increased Financial Costs in Hospitalized Children
Sanjiv Mehta, Meghan Galligan, George Haines, Meaghan Lutts, Christopher Bonafide, Robert Sutton
- #1453 Four Computable 24-Hour Pediatric Sepsis Phenotypes Have Different Inflammation Profiles
Yidi Qin, Collaborative Pediatric Critical Care Research Network, Zhenjiang Fan, Hyun-Jung Park, Joseph Carcillo
- #1162 Predicting High-Flow Nasal Cannula Therapy Outcomes Using the ROX-HR Index in the Pediatric ICU
Lece Webb, Rouba Chahine, Inmaculada Aban, Priya Prabhakaran, Jeremy Loberger
- #381 The Prevalence of Infective Endocarditis in Hospitalized Children in the U.S. From 1997 to 2016
Prithvi Raj Sendi Keshavamurthy, Paul Martinez, Madhuradhar Chegondi, Jake Meyer, Balagangadhar Totapally
- #1421 Norepinephrine Equivalent Dose Is Strongly Associated With In-Hospital Mortality in Septic Shock
Ryota Sato, Ashish Khanna, Simon Mucha, Abhijit Duggal, Siddharth Dugar
- #1578 Prolonged Respiratory Failure in Pediatric Combat Trauma Patients
Andrew Moulton, Steve Schauer, Matthew Borgman
- #831 Randomized, Blinded, Placebo-Controlled Preclinical Trial in a Large Animal TBI Model
Vanessa Mazandi, David Jang, Samuel Shin, Abhay Ranganathan, Nile Delso, William Landis, Sanjeev Chawla, Kevin Browne, Jonathan Starr, Kacy Cullen, Todd Kilbaugh
- #872 Remdesivir Extraction by Extracorporeal Life Support Circuits
Danielle Green, Carina Imburgia, Joseph Rower, Autumn McKnite, Walter Kelley, Christopher Reilly, Kevin Watt
- #1462 Renal Blood Flow by POCUS Correlates With Altered Renal Function and Is Abnormal in Pediatric Sepsis
Grace Fisler, Daniel Leisman, Kristina Murphy, Fiore Mastroianni, Andrea La Bella, James Schneider, Matthew Taylor
- #182 Renin-Angiotensin System Markers and Nonpulmonary Organ Injury in Severe COVID-19 Pneumonia
Daniel Leisman, Arnav Mehta, Nir Hacohen, Michael Filbin, Marcia Goldberg

RESEARCH AWARDS PRESENTATION (CONTINUED)

BRONZE SNAPSHOT AWARD

- #124 The Association of Obesity With COVID-19 Severity and Mortality: Systemic Review and Meta-Regression
Romil Singh, Sawai Rathore, Hira Khan, Smruti Karale, Abhishek Bhurwal, Aysun Tekin, Nirpeksh Jain, Ishita Mehra, Sohini Anand, Sanjana Allam, Guneet Sidhu, Anastasios Panagopoulos, Vishwanath Pattan, Rahul Kashyap, Vikas Bansal
- #659 Thromboelastography Does Not Predict Bleeding or Clotting in Pediatric ECMO
Colleen Menegaz, Lakshmi Raman, Christopher Jenks, Ali McMichael
- #508 Timing of Tracheostomy in Critically Ill Infants and Children With Respiratory Failure
Priyanka Mehrotra, Charlene Thomas, Sarah Finn, Linda Gerber, Alison Maresh, Marianne Nellis
- #482 Association Between Zip-Code-Level Income and Pediatric TBI Mortality in the United States
Jonathan Pelletier, Jaskaran Rakkar, Dennis Simon, Alicia Au, Dana Fuhrman, Robert Clark, Patrick Kochanek, Christopher Horvat
- #1383 Caution for Calcium Use During Pediatric CPR: Do Selected Resuscitation Scenarios Benefit?
Katherine Cashen, Kathleen Meert, Ron Reeder, Robert Berg, Kellimarie Cooper, John Wesley Diddle, Kathryn Graham, Christopher Horvat, Theresa Kirkpatrick, Ryan Morgan, Vinay Nadkarni, Kent Page, Qunibi Danna, Heather Wolfe, Andrew Yates, Robert Sutton
- #622 Feasibility of Using EHR-Based Extraction of Nutrition Data in Critically Ill Children
Mark Mai, Sharon Irving, Nadir Yehya, Vijay Srinivasan
- #509 Neonatal Air Leak Syndromes in the United States: Analysis of the Kid's Inpatient Database 2016
Adam Beaton, Prithvi Raj Sendi Keshavamurthy, Paul Martinez, Balagangadhar Totapally
- #621 Novel Role of Zonulin in the Pathophysiology of Gastric Motility: A Clinical-Translational Study
Enid Martinez, Jिंगgang Lan, Alba Miranda-Ribera, Maria Fiorentino, Nilesh Mehta, Alessio Fasano
- #1265 Severe Periintubation Hypoxemia Is More Common in Critically Ill Underweight and Obese Children
Kelsey Gladen, David Tellez, Natalie Napolitano, Lauren Edwards, Ronald Sanders, Taiki Kojima, Justine Shults, Vinay Nadkarni, Akira Nishisaki
- #714 Temporal Trends of Meningococcal Disease and Mortality in Children From 1997 to 2016
Rose Barry, Prithvi Raj Sendi Keshavamurthy, Paul Martinez, Balagangadhar Totapally

RESEARCH AWARDS PRESENTATION (CONTINUED)

CASE REPORT SNAPSHOT 1ST PLACE

- #1373 Direct Peritoneal Resuscitation Prior to Liver
Retransplantation for Primary Graft Nonfunction
*Zachary Asher, Katherine Klingenberg, Hunter Moore, Yanik
Bababekov, Trevor Nydam*

CASE REPORT SNAPSHOT 2ND PLACE

- #749 A Rare Case of Botulism With Encephalopathy in a Baby
With Trisomy 21 and Congenital Heart Disease
*Jeremy Sites, Laura Rachal, Nathaniel Wooten, Diana Cejas,
Zachary Willis, Jenny Boyd*

CASE REPORT SNAPSHOT 3RD PLACE

- #761 Brain Death Mimicry and the Use of VA ECMO Following
Polysubstance Overdose: A Case Report
*Christopher Coriasso, Ahmed Alsaedi, Melinda Miller, Michael
Plisco*



DIVERSITY

EQUITY INCLUSION

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