

SOCIETY OF CRITICAL
CARE MEDICINE
TEXAS CHAPTER

Critical Care
CORNER

**MARCH
2024**



SCCM

Society of Critical Care Medicine - Texas Chapter

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Editor: Melissa Sandler, PharmD, BCCCP

PRESIDENT'S CORNER

Hello SCCM Texas Chapter!

The weather is heating up quickly, and my car is now a lovely shade of chartreuse – spring must be here! Along with pollen and bluebonnets, spring brings the transition of our leadership team. It is my privilege to serve as your 2024 president for SCCM Texas Chapter. I am the formulary manager and drug information specialist for Houston Methodist, and I have been involved with SCCM Texas Chapter since 2015 through the symposium and program committees followed by chapter secretary. I am also involved with SCCM through the Clinical Pharmacy and Pharmacology Section and serve as the chair of the Practice Advancement Committee.

I extend my heartfelt gratitude to outgoing president, Brandy McKelvy, MD, for her leadership this past year and to outgoing chairs: Kirstin Henley, MD and Diane Dreucean, PharmD for their tireless efforts leading the symposium committee, Jennifer Gass, PharmD for her leadership of the research committee, and Kouame Yao, APRN for his work on the communications committee. Many thanks to outgoing board of director members, Dharani Narendra, MD and Brandon Sterling, APRN, for their expertise and support during their three-year terms. These are all volunteer positions, and the chapter would not be as successful as it has consistently been without their generous dedication to chapter initiatives. Congratulations to all the newly elected positions! Check out the Nominations Committee page for results, and you might see some familiar names! I look forward to working with the 2024-2025 leadership team including the newly appointed committee chairs: Melissa Sandler, PharmD (communications) and Emily Highsmith, PharmD (research).

It was a pleasure seeing everyone at the Texas Chapter reception at Congress in Phoenix where we celebrated our newly inducted fellows, Joy Chen, MD, Michelle Horng, PharmD, and Arun Saini, MD and, for the third time, the Chapters Alliance Excellence Award! We were excited to continue celebrations at our Annual Business meeting on March 6th where we announced winners for the annual chapter awards, professional development awards, Alan I. Fields awards, and the Joseph L. Nates Grant award. Check out the Awards Committee and Research Committee pages for further details!

I am thrilled to see all that is in store and looking forward to another excellent year! We will be recruiting more fabulous critical care professionals and strive to support our diverse membership through increased communication via social media, and provision of educational activities through chapter meetings, FCCS courses, and annual symposium. We are committed to continuing to provide financial support through the professional development awards along with recognizing the incredible work by our members with the research awards (Alan I. Fields Research Award, Joseph L. Nates Research Grant, and JJ Bruno Symposium Award) which are also accompanied by financial support, national award nominations, and annual chapter awards.

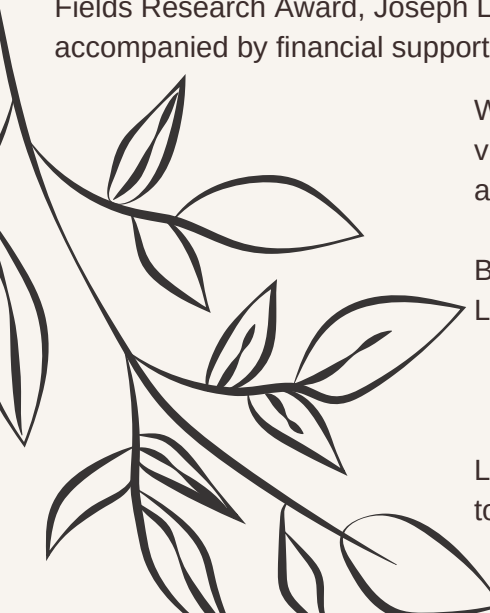
We welcome your feedback and ideas for how the chapter can best serve you, so visit our website www.sccmtexaschapter.org and follow us on Facebook, Instagram, and X @sccmtxchapter for more information and updates on chapter activities!

Best regards,
Laura

Looking to get involved? Check out the committee pages and reach out to the chairs to learn more!



Laura Blackburn, PharmD,
BCPS, BCCCP, FCCM



SYMPOSIUM



After a successful event in San Antonio last year, we surveyed the chapter for the next city to host our 13th Annual Symposium in 2024.

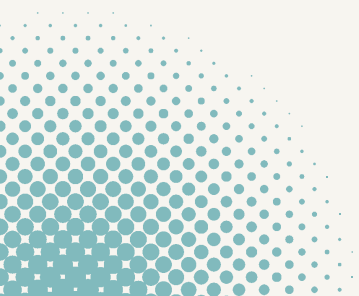
We are excited to announce that it will be at the
Houston Methodist Research Institute!
Mark your calendars for September 27–28th!

We are actively **recruiting for committee members** to bring ideas:

Symposium Committee Member

- Duties
 - Attend symposium planning meetings (every other week meetings from March–October 2024)
 - Propose ideas or coordinate areas of specific interest
 - Theme
 - Schedule
 - Session topics and learning objectives
 - Recruiting speakers
 - Moderating sessions
 - Obtaining CE for symposium presentations of your respective discipline
 - Designing and providing advertisements
 - Attend the symposium as able to provide support/volunteer needs
- Average time commitment: 2–3 hours/month starting March 2024

If you are interested in joining the symposium committee, please reach out to Laura Blackburn at president@sccmtexaschapter.org



SYMPOSIUM 2023



PGY2 Critical Care Resident Aliya Abdullah, PharmD with President Brandy McKelvey, MD, FCCP



Symposium Chair Kirstin Henley, MD, MSc



Closing keynote speaker/immediate past president: Annette Lista, PharmD, BCCCP with Symposium Chair Kirstin Henley, MD, MSc



Exhibitor Hallway



Communications Committee

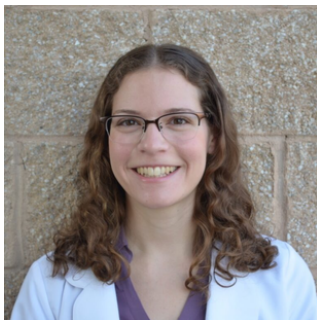
The Communications Committee is responsible for the dissemination of information between our chapter and its members.

Many announcements and e-mails going out, so please check your e-mail regularly.

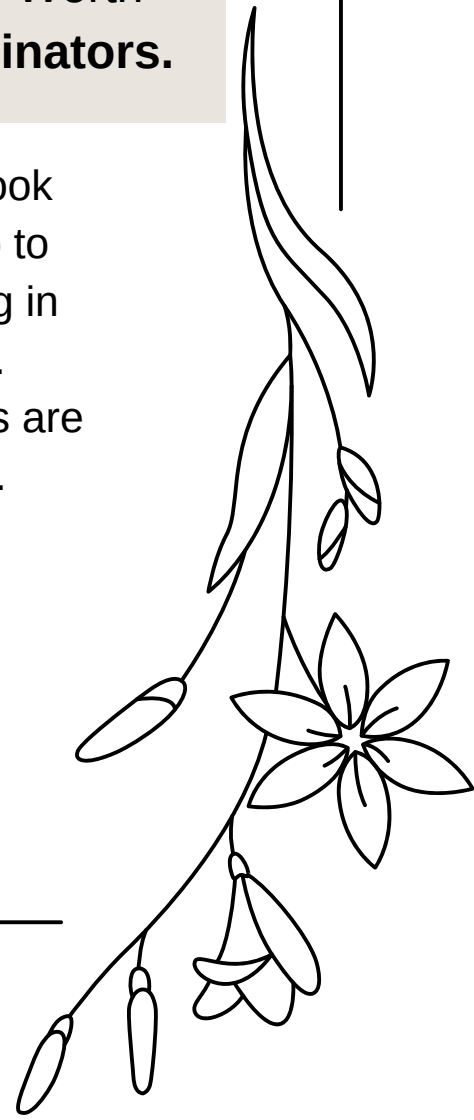
We are **still recruiting** for our Houston and Dallas/Ft. Worth **Communication Coordinators.**

Follow us on Instagram/X/Facebook (SCCM Texas Chapter) to stay up to date with current events happening in your area of Texas each month.

We love to share what our members are doing across the state of Texas.



Melissa Sandler,
PharmD, BCCCP





Emily Highsmith,
PharmD, BCCCP

RESEARCH COMMITTEE

The research committee is excited to share and to congratulate the winners of the **Alan I. Fields Award**.

First place was awarded to **Max W. Adelman, MD, M.Sc** for his research titled “A Pro-Inflammatory Cytokine Response Is Associated With Protection From Candida Gut Colonization”.

Sabrie Hannigan, MD received second place for her work “TCD is a Reliable Screening Tool for Decreased Cerebral Blood Flow in Pediatric Neurocritical Care”.

Both were given monetary awards for travel expenses for SCCM Congress or the Texas Chapter’s Annual Symposium. Both winners also presented their research as a platform presentation at this year’s annual business/awards meeting.

We would also like to announce the winner for this year’s **Joseph L. Nates Grant**, which is an annual research grant that awards the winner \$4000 to support clinical research designed to enhance the care and outcomes of critically ill patients. This year’s winner is **Dr. Sabrie Hannigan** for her proposal to conduct research on “Multimodal Noninvasive Neuromonitoring in Pediatric Traumatic Brain Injury” and we are looking forward to seeing the impact she can make throughout her research career.

Finally, to increase the outreach of the research committee in the coming year **we are looking for members** who are interested in research to **join our team**. We are in particular need of nurses, nurse practitioners, respiratory therapists, dieticians, physical or occupational therapists, physician assistants, and other allied health professionals.

Please review the information on the SCCM Texas Chapter website Research tab or contact research@sccmtexaschapter.org for more information on **joining the research committee**.



Kyllie Ryan-Hummel,
PharmD, BCCCP

NOMINATIONS

Congratulations to the winners for our election for the Executive Committee and Board of Directors!

President-Elect: Rebecca McClay, DNP, MS, ACNPC-AG, NPD-BC, CCRN-CMC-CSC

Treasurer: Melanie Madorsky, PharmD, BCPS, BCCP, BCCCP

BOD–physician seat: Kirstin Henley, MD, MS

BOD–nursing seat: Kouame Yao, MSN, APRN, AGACNP-BC, CCRN

Call for SCCM national award nominations!

Texas Chapter of SCCM is looking for nominees to support in nomination to National Awards from SCCM! Criteria for the awards can be found on SCCM's website and nominations are **due April 1st**.

Questions? Want to nominate someone?

Email Rebecca McClay at
presidentelect@sccmtexaschapter.org

If you have any questions about the nominations process, FCCM Mentorship Program, or would like to get involved with the committee please email us at nominations@sccmtexaschapter.org.



PROGRAMS

SCCM Texas Chapter Programming			
DFW			
January 17	Using Procalcitonin to Understand Bacterial Burden	ThermoFisher	Del Frisco's Grille
February 15	Identification and Management of CS Patients and Impella	Abiomed	Truluck's Seafood
March 6	Annual Business Meeting	SCCM TX Chapter	Winewood Grill
Houston			
January 31	Latest Data on Management of Factor Xa Inhibitor-Related Acute Major Bleeding	AstraZeneca	Sixty Vines
February 7	The SCCM Ukraine Experience: A Unique Teaching Experience	SCCM TX Chapter	Hungry's
February 28	Uplizna: A Treatment for NMOSD That Goes Beyond Attack Prevention	AmGen	Willie G's
March 6	Annual Business Meeting	SCCM TX Chapter	Fleming's
April 10	Pulmonary Hypertension	Janssen	Sorrento's
April 24	Tube Feed Intolerance in Enterally Fed Patients	Alcresta	Fleming's
San Antonio			
January 17	Clinical Best Practices: Vagus Nerve Stimulation for Treatment of Upper Extremity Impairment Post Stroke	Vivistim	Blu Prime Steakhouse
February 20	Acute Bacterial Skin and Skin Structure Infections	AbbVie	Ruth's Chris Steakhouse
March 6	Annual Business Meeting	SCCM TX Chapter	Fleming's
March 26	Clinical Best Practices: Pulmonary Artery Hypertension Understanding Disease Pathophysiology and Diagnosis	Janssen	Blue Prime Steakhouse
Midland			
March 6	Annual Business Meeting	SCCM TX Chapter	Cowboy Prime

We are seeking a **new Program Coordinator** for the **Dallas Fort Worth** and **Austin** areas!

Please contact us at programs@sccmtexaschapter.org if you're interested!

The average time commitment is approximately 4–6 hours per month.

Duties include:

- Organize regularly occurring chapter meetings in your area
- Plan networking opportunities
- Inform prospective members of benefits and opportunities of membership



Jeanneé Campbell, PA-C



MEMBERSHIP



Celia Morton,
PharmD, BCCCP

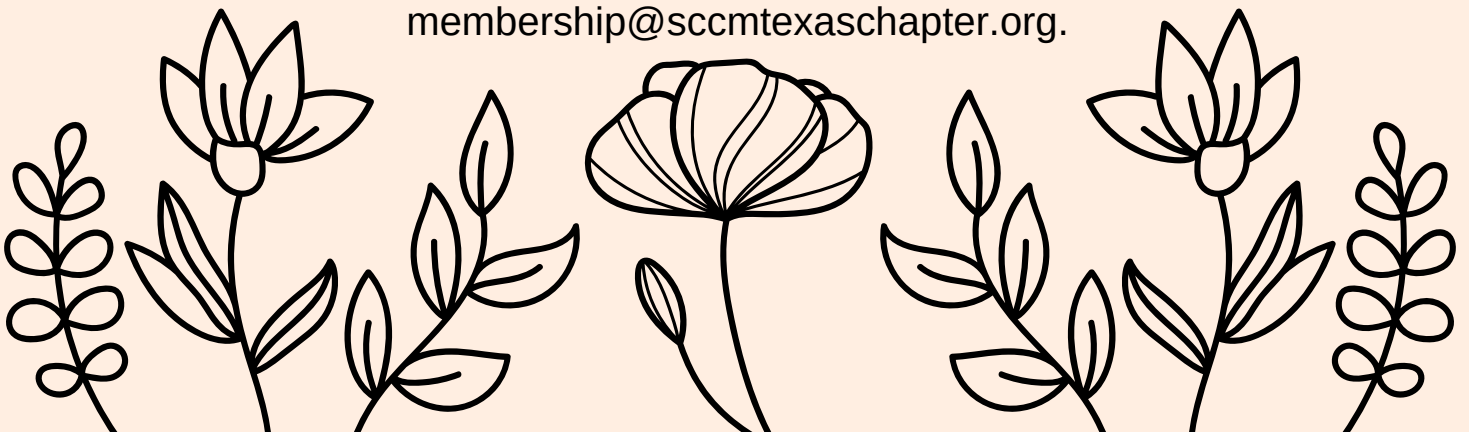
Chapter membership is currently at **631 members** total. With all of the exciting programming events this upcoming year, **now is a great time** to ensure your **membership is current** and to **recruit** your colleagues to join SCCM and the Texas Chapter!

Also, please be on the lookout in your email for entry into the upcoming **Cookie Giveaway this April**.

We have multiple **opportunities for involvement** within our chapter and are actively seeking volunteers for members interested in getting involved in our various chapter committees. Information on our committees can be found on our website at Texas Chapter Committees.

If you would like to get involved, contact us with questions or areas that you are interested in participating at texaschapter.sccm@gmail.com.

If you have any questions regarding membership, your renewal date, or if you're not receiving emails from us (and would like to), contact us at membership@sccmtexaschapter.org.





Chelsea N. Lopez,
PharmD, BCCCP

Awards Committee

The mission of the awards committee is to acknowledge SCCM Texas Chapter members for their accomplishments and contributions to the care of critically ill patients throughout the previous year.

Congratulations to the 2023–2024 Chapter Award Recipients!

Excellence in service, Education:

Michelle Horng, PharmD, BCCCP

Excellence in service, Clinical:

Michael Sirimatuross, PharmD, BCNSP, BCCCP, FCCM

Casey M. Drawert MD Excellence in Leadership:

Christiane S. Perme, PT, CCS, FCCM

Outstanding members:

- Houston: Daniel Arellano, PhD, APRN, ACNP-BC, CCRN, CEN, CFRN, EMT-P, FCCM
- San Antonio: tin Henley, MD
- Dallas: Blake Menchaca, AGACNP
- West Texas: Orlando Garner, MD, FACP

If you are looking to become more involved with the SCCM Texas Chapter, consider the **Awards Committee**.

If interested, please reach out at
awards@sccmtexaschapter.org.



Community Engagement

The mission of SCCM TX Chapter's Community Engagement Committee is to promote opportunities to engage members in public health learning activities and support local community agencies.

Annette Lista, PharmD,
BCCCP

In 2023, we held our **Annual Water Safety and BLS Community Service Event** at Lodge 88 Swim Club as well as our **Annual Winter Charity Drive** in which we ask members across the state of Texas to make donations, like pantry items, to the charity that we choose to support. To increase engagement to members throughout the state of Texas, increase the donation amount to charity, and make a bigger impact to the community, we offer the opportunity to donate online. One hundred percent of the funds raised through online donation were used to purchase professional dress clothes that were donated to **Dress for Success**. Dress for Success' objective is to create change by equipping thousands of women with resources needed to attain long-term employment and success - ultimately building skilled leaders in our community. The Chapter donated over 200+ professional clothes for Dress for Success and over \$150 in monetary donations were raised. Thanks to the generous members of the SCCM TX chapter for another successful Winter Charity Drive.

In 2023, the SCCM TX Chapter also held its annual **Fundamentals of Critical Care Support (FCCS) course**. The FCCS course provides healthcare professionals, including nonintensivists, with the training to manage critically ill patients for the first 24 hours or until appropriate critical care consultation can be arranged. The course concentrates on adult critical care but also includes sections on critical care for pregnancy and pediatrics. Please stay tuned for the announcement for the dates of our 2024 SCCM TX Chapter FCCS Course.

SCCM Critical Care Congress

Our chapter was well represented at the 2024 Critical Care Congress in Phoenix, AZ in January.

The Texas Chapter won the Chapters Alliance Excellence Award and we had many presenters and new FCCMs!

Chapters Alliance Excellence Award

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



Vinay M. Nadkarni, MD, MS, FCCM - SCCM President

Annette Lista, PharmD, BCCCP - SCCM Texas Chapter Past President

Laura Blackburn, PharmD, BCCCP, BCPS, FCCM - SCCM Texas Chapter President-Elect

Brandy McKelvy, MD, FCCP - SCCM Texas Chapter President

Session Leaders

First Name	Last Name	Session Title	Presentation Title
Robier	Aguillon Prada	At the Nexus of Acid, Oxygen, Dialysis, and Ventilation: Kidney and Respiratory Failure	Severe Acidemia and Hypoxemia in Kidney and Respiratory Failure: The Nephrologist's View
Gregory	Botz	Roundtables Monday Lunchtime	The Dangers of AI in Healthcare
Anne Rain	Brown	Updates in the Acute Management of Oncologic Emergencies	Hemoptysis and Alveolar Hemorrhage Management
		Managing Ongoing Nutrition Support Shortages: Implications in the Critically Ill	Managing Ongoing Nutrition Support Shortages: Implications in the Critically Ill
		New Drug, Who's Toxic? New and Emerging Drug Toxicities	New Drug, Who's Toxic? New and Emerging Drug Toxicities
Cameron	Dezfulian	Lost in Transition: Perspectives on Transitioning Care for Adults With Chronic Pediatric Illness	Barriers to Successful Transition
		Hemodynamics Monitoring Skills Course	Hemodynamics Monitoring Skills Course
Jose	Diaz-Gomez	Critical Care Ultrasound: Adult Skills Course	Critical Care Ultrasound: Adult Skills Course
		Roundtables Sunday Morning	Immigrant Critical Care Professionals
		SCCM Global Health Outreach	Ukraine Ultrasound Training
Mark	Foster	Critical Care Ultrasound: Adult Skills Course	Critical Care Ultrasound: Adult Skills Course
		POCUS: The Modern Stethoscope for Critically Ill Patients	How to Overcome Barriers to POCUS in the ICU
Deepa	Gotur	Therapeutic Conundrums in Cirrhosis: Need for a Paradigm Shift in Diagnostic Strategies	Cirrhosis-Associated Immune Dysfunction and Potential for Late Identification of Sepsis
Navneet	Grewal	Women in Critical Care: Achievements and Challenges (Lifetime Achievement Award)	Women in Critical Care: Achievements and Challenges (Lifetime Achievement Award)
Payal	Gurnani	New Immune Targets in Sepsis	New Immune Targets in Sepsis
		Changing Heart Failure to Heart Success	Changing Heart Failure to Heart Success
Cristina	Gutierrez	Updates in the Acute Management of Oncologic Emergencies	Updates in the Acute Management of Oncologic Emergencies
James	Herlihy	Medical Innovations and Critical Care	Vascular Access Robot
Kunal	Karamchandani	The Physiologically Difficult Airway: Prediction, Mitigation, and Recovery	The Physiologically Difficult Airway: Prediction, Mitigation, and Recovery
Rebecca	McClay	Year in Review: Nursing	Delirium State of the Science in the Nursing Literature
		Advancements and Learnings From a Decade of Implementing the ICU Liberation Bundle (A-F)	Panel Discussion: Buy-In From Leaders and Clinical Teams
			Panel Discussion: ICU Liberation Implementation Strategies
Arun	Saini	Star Research Presentation: Translational Medicine	Platelet Protein Phosphatase-1 Modulates Fibrin Polymerization: Implication in Sepsis-Induced TAMOF
Ariel	Santos	Crosstalk Theater: The Burdens and Necessities of Critical Care Documentation: Valuing Our Own Efforts	
		Fluid, Fluid, All Around, and Not a Drop to Drink! Current Fluid Controversies and Novel Therapies	Raisins and Cacti: Maintaining ICU Patients in a State of Dryness
Michael	Sirimaturos	New SCCM Guidelines: RSI, Recognizing Critical Illness Outside the ICU, and Glycemic Control for Children & Adults	

New Fellows of Critical Care Medicine



Joy Chen, MD, FCCM



Michelle Horng, PharmD, BCCCP, FCCM
Arun Saini, MD, MS, FCCM

Accepted Abstracts

Full Name	Title
Ada Jutba, BCCCP, PharmD	Low-Dose Versus Standard-Dose Alteplase for the Treatment of High-Risk Pulmonary Embolism
Andrea Ontaneda, MD	Donation After Circulatory Determination of Death on Pediatric ECMO: Single-Center Experience
Ashish A. Ankola, MD,	Inhaled Tranexamic Acid for Pulmonary Hemorrhage in Pediatric Oncology and Stem Cell Transplant
Asma Razavi, MD	Inhaled Tranexamic Acid for Pulmonary Hemorrhage in Pediatric Oncology and Stem Cell Transplant
	Standardization and Adaptation: A Resilience Framework Approach to Improving ICU Outcomes
	An Escape Room Activity for Evaluation of a Transformative Learning Safety Science Curriculum
	Blood Culture Stewardship in a Large Clinically Cohorted Pediatric ICU
	Safety Mindset With Transformational Learning: A Pediatric Critical Care Medicine Trainee Curriculum
Bindu Akkanti, MD,	An Unexpected Case of Methemoglobinemia
	Metabolic Gene Expression Changes in Cardiogenic Shock: A Comprehensive Analysis
	Delirium in Patients Undergoing CABG or AVR: A National Inpatient Sample Analysis for the Year 2020
	Pulmonary Hypertension and Mortality Predictors in Patients With Diastolic Dysfunction
	Role of Group 5 Pulmonary Hypertension in End-Stage Renal Disease Patients
Brandy McKelvy, MD, FCCP	Role of Group 5 Pulmonary Hypertension in End-Stage Renal Disease Patients
Brittany Jaisankar	Bereavement, Palliative, and End-of-Life Education Needs Assessment
Carlos Hugo Palacio, MD, FACS	Multicenter Study Examining Temporal Trends in Traumatic Intracranial Hemorrhage: 2016 to 2022
	Stress Ulcer Prophylaxis in Neurocritical Care Outcomes Following Trauma: A Multicenter Study
Catherine Chen, MD	Leveraging AKI Heterogeneity Characteristics in CRRT Timing: A Decision Analysis
Emily Highsmith, PharmD, BCCCP	Reducing the Percentage of Intubation Time on Continuous-Infusion Midazolam
Fong W. Lam, MD	Flying Blind? Delays in Documentation Limit Clinical Decision Support Tools for Complex Problems
Gabriel D. Patarroyo - Aponte, MD	Role of Group 5 Pulmonary Hypertension in End-Stage Renal Disease Patients
Grace Zupfer Bouvier, AGACNP-BC, MSN, APR	Association of Continuous Renal Replacement Therapy With Vitamin Deficiencies in ICU Patients
Iqbal Ratnani, EdD, FCCM	Acute Cardiac Event as Initial Presentation of Primary Hyperaldosteronism: A Rare Event
	Extensivists? Is There a Need to Station Intensivists in the Emergency Department?
	Mental Health and Suicide: Are American Indians and Alaska Natives Neglected? A Narrative Review
	CLABS: Is Nurse-Driven Bundle More Sustainable During Crisis? A Four-Pronged Approach
	Drastic Drop in Kidney-related Deaths in 2011: What Happened That Year and What Lessons We Learned
	Specific Driving Pressure Orders in Initial Ventilator Settings May Improve Outcomes
	The Two Tales of Healthcare in the United States: The Story of Mississippi and California
	Pharmacists' Interventions in the ICU: A Quantified Study
Janie Pierce	Scoring System for Early Activation of Massive Transfusion Protocols in Pediatric Trauma Patients
Jazmin Kyauna Agee, PharmD, , BCEMP	Evaluation of Diltiazem Dosing Strategies in Atrial Fibrillation With Rapid Ventricular Response
Jennifer J. Freeman, MD, MPH	The Duty to Treat During Pestilence and Plague: A Systematic Review
Jennifer L. Tawwater, BCCCP,	Taper Versus Non-Taper Discontinuation Strategy of Hydrocortisone in Septic Shock
John A. Cuenca, MD	Healthcare-Associated Infections in Patients With Hematologic Malignancies: A Nationwide Analysis
Joseph L. Nates, MD, MBA, FCCM, MCCM	Racial and Ethnic Disparities in Failure-to-Rescue After Sepsis in Noncardiac Surgery
	Healthcare-Associated Infections in Patients With Hematologic Malignancies: A Nationwide Analysis
Kenneth Iwuji, MD	Autoimmune GFAP Astrocytopathy in the Medical Intensive Care Unit
Kirstin Henley, MD	Bereavement, Palliative, and End-of-Life Education Needs Assessment
Laura Funk	Unusual Bartonella Presentation: Seizures and Cervical Lymphadenopathy
Lyndsay A. Sheperd, PharmD	Clinical Efficacy of Fixed-Dose Prothrombin Complex Concentrate for Anticoagulant Reversal
Maria Fatima Westry	Metabolic Masquerade: A Rare Presentation of Leigh Syndrome
Max Adelman, MD, MS	A Proinflammatory Cytokine Response Correlates With Protection From Candida Gut Colonization
Michelle Hornig, BCCCP, PharmD	Reducing the Percentage of Intubation Time on Continuous-Infusion Midazolam
Neha Rao	The Use of Fundamental Critical Care Support in Medical Education: An Assessment of Performance
Nicholas A. Ettinger, MD, PhD, FCCM	Mortality and Respiratory Failure for Children With Sickle Cell Disease Admitted to U.S. PICUs
Olakunle Idowu, MD	Use of Neuromuscular Blocking Agents and Their Reversal in Pregnant Women for Non-Obstetric Cases
Olivia Lund Hoffman, MD	Quality Improvement Initiative for Utilization of TEG Data to Manage Neonatal ECMO Anticoagulation
Sabrie Hannigan	TCD Is a Reliable Screening Tool for Decreased Cerebral Blood Flow in Pediatric Neurocritical Care
Sakina Attaar	Safety Mindset With Transformational Learning: A Pediatric Critical Care Medicine Trainee Curriculum
	An Escape Room Activity for Evaluation of a Transformative Learning Safety Science Curriculum
	Improving Antimicrobial Stewardship in a Community Pediatric Intensive Care Unit
Saleh Bhar, MD	Cardiotoxicity of Immune Effector Cellular Therapies in Pediatric Hematologic and Solid Tumors
	Mortality and Respiratory Failure for Children With Sickle Cell Disease Admitted to U.S. PICUs
	Inhaled Tranexamic Acid for Pulmonary Hemorrhage in Pediatric Oncology and Stem Cell Transplant
Salim R. Surani, MD, MPH, MSHM, FCCM	Drastic Drop in Kidney-related Deaths in 2011: What Happened That Year and What Lessons We Learned
	Specific Driving Pressure Orders in Initial Ventilator Settings May Improve Outcomes
	Nomophobia: Phonelessness Phobia Among Anesthesiologist and Intensivist Professionals
Sara Marie Powell, PharmD, MS, BCCCP,	Eculizumab for Treatment of Shiga Toxin-Producing E coli Hemolytic Uremic Syndrome (STEC-HUS)
	Clinical Efficacy of Fixed-Dose Prothrombin Complex Concentrate for Anticoagulant Reversal
Seanna D'Avignon	Activating Rapid Response Teams by Clinical Decision Support Software Leads to Better Outcomes
Sebastian C. Tume, MD	Thinking Outside the (Heart) Box: Rehabilitation and Recovery Rounds in a Pediatric Cardiac ICU
Sonia Labarinas, MD	Scoring System for Early Activation of Massive Transfusion Protocols in Pediatric Trauma Patients
Sreekanth Reddy Cheruku, MD, MPH	Immediate Postoperative Cardiac Tamponade Following Robotic Lung Resection Surgery: A Case Report
Stephanie Barre, PharmD	Evaluation of Diltiazem Dosing Strategies in Atrial Fibrillation With Rapid Ventricular Response
	Comparison of Initial Adenosine Dose on Rate of Conversion for SVT in the Emergency Department
Steven H. Hsu, MD,	The Use of Fundamental Critical Care Support in Medical Education: An Assessment of Performance
Trager Hintze, PharmD	Metoprolol vs Diltiazem for Acute Atrial Fibrillation With Rapid Ventricular Rate: A Meta-Analysis
Tyler Hughes, BS, MD	Bleeding Before and After Pediatric Cardiopulmonary Bypass Primed With Leukoreduced Whole Blood
Veronica Armijo-Garcia, MD, FAAP, FCCM	Saliva MicroRNA Biomarkers of Severe Traumatic Brain Injury in Children
Yi-Chen Lai, MD	Nutrition Support Adequacy in Children With Critical Neurologic Illness
	TCD Is a Reliable Screening Tool for Decreased Cerebral Blood Flow in Pediatric Neurocritical Care

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