Final Program

SOCCA 2018 Annual Meeting and Critical Care Update
Friday, April 27, 2018

Hyatt Regency Chicago • Chicago, Illinois

For more information, visit www.socca.org
# Table of Contents

Welcome from the SOCCA President ........................................... 3
Welcome from the Mayor of Chicago ........................................ 4
How to Use the Program ......................................................... 5
General Information ............................................................... 6
Headquarters Hotel – Hyatt Regency Chicago ............................. 8
Room Locator ........................................................................ 11
Discover Chicago ..................................................................... 13
Restaurants Guide ................................................................... 15
Special Events ......................................................................... 17
CME Information ..................................................................... 18
SOCCA Committee on Education and Board of Directors .......... 19
Program Faculty ..................................................................... 20
Program Schedule ................................................................... 21
Aligned Meeting and Focus on Critical Care Day ....................... 23
Scholars’ Program .................................................................... 25
Clinical Research Consortium .................................................. 26
Poster General Information ...................................................... 27
Poster Room Diagram ............................................................. 28
Poster Board Category Key ....................................................... 29
Abstract Award Winners .......................................................... 30
Moderated Poster Discussion Session ....................................... 31
Abstract Presenter Index ........................................................... 51
Abstract Category Index ............................................................ 53
Abstract Reviewers .................................................................. 59
Welcome to the SOCCA 2018 Annual Meeting and Critical Care Update in Chicago, Illinois!

Welcome to the SOCCA 2018 Annual Meeting and Critical Care Update, a meeting I am confident you will find rewarding with many valuable takeaways and networking opportunities. The members of the SOCCA Committee on Education, Drs. Adam S. Evans, Sheila Pai Cole, and Peter Von Homeyer, have developed a cutting-edge education program, addressing the latest advances in critical care and investigating the most pressing issues in anesthesiology. Plus, stay through Saturday, April 28, for the Aligned Meeting and SOCCA Focus on Critical Care Day education sessions at the IARS 2018 Annual Meeting and International Science Symposium, available complimentary to SOCCA registrants.

Session Highlights:

FRIDAY, APRIL 27

• Sunrise Panel: Emerging Practice Paradigms in Critical Care Practice – Review the various practice paradigms for delivering superior care for critical care patients.

• Education Session I: Metabolic Support for the Postoperative Patient in the ICU – Learn to formulate a protocol for intensive metabolic support for patients that are postoperative in the ICU.

• Education Session II: Enhancing Recovery from Critical Illness and Life Thereafter – Examine how to best prepare patients with critical illness and their families for the road to recovery.

• Education Session III: Wellness for the Anesthesiologist-Intensivist – Explore wellness initiatives to help with preventing burnout, improving resilience and dealing with grief.

• SOCCA Lifetime Achievement Award Presentation: Leadership for Today, Change for Tomorrow – Uncover insights for leadership and the future of critical care medicine during Award Winner Dr. Jeffery S. Vender’s presentation.

• SOCCA Young Investigator Award Presentation – Examine the groundbreaking research from the Young Investigator Award Winner and first and second runners-up.

• Moderated Poster Discussion Session – Learn about cutting-edge advancements in research and education from abstract presenters.

• Education Session IV: Innovative Uses of Ultrasound in ICU – Discuss the new and exciting uses for ultrasound including the treatment of respiratory failure, optic US for ICP monitoring, nutrition and RV strain.

SATURDAY, APRIL 28

Aligned Meeting Day Sessions:

• Opening General Session and T.H. Seldon Memorial Lecture: Personalizing Health in the Era of Big Data with Dr. Jeffrey R. Balser

• Alignment Symposium: AUA: Mitochondria and Bioenergetics in Health and Disease: It’s Not Just a Power Failure!

• IARS Scholars’ Program – Education Sessions, Breakfast and Lunch Sessions, and Mentoring and Networking Reception

• IARS, AUA and SOCCA Alignment Reception

Focus on Critical Care Sessions:

Review Course Lectures:

• SOCCA: The Tele-Vision: Taking Care to the Patient and Expanding the Scope of the Intensivist

• SOCCA: Heart Failure with Preserved Ejection Fracture (HFpEF) as a Perioperative Risk

Problem-Based Learning Discussions:

• SOCCA: To Intubate or Not: Management of Post-Operative Acute Respiratory Failure

• SOCCA: The Sweet Escape: A Complicated Case of DKA

• SOCCA: Perioperative Renal Replacement Therapy for the Anesthesiologist: Does It Make a Difference?

SUNDAY, APRIL 29

Plus, a bonus Focus on Critical Care Session, complimentary for SOCCA attendees:

• Panel: SOCCA: 50 Years of ARDS: An Update

Visit the SOCCA Tabletop Exhibits for the latest innovations in technology, equipment, and medical publications.

I hope your time with the leaders in critical care anesthesiology and your colleagues will energize you and give you the tools and skills you need to advance your practice and research while enjoying all Chicago has to offer.

Sincerely,

Avery Tung, MD, FCCM, President, Society of Critical Care Anesthesiologists
April 26, 2018

Dear Friends:

As Mayor, and on behalf of the City of Chicago, I am pleased and proud to welcome all of those gathered for the International Anesthesia Research Society, Association of University Anesthesiologists, and the Society of Critical Care Anesthesiologists 2018 Annual Meetings.

Since their formation – the oldest dating back nearly a century – the International Anesthesia Research Society (IARS), Association of University Anesthesiologists (AUA), and the Society of Critical Care Anesthesiologists (SOCCA) have been committed to creating dynamic spaces for the support and cultivation of anesthesiologists, scientists, physicians and other professionals dedicated to better understanding anesthesia practice and application. Home to thousands of members worldwide, IARS, AUA, and SOCCA’s annual meetings unite leaders across disciplines dedicated to improving patient care through involved, innovative research. Every member stands committed to augmenting the role of anesthesia in medicine and interpreting methodology and outcomes in relation to our collective health. IARS, AUA, and SOCCA play an integral role in impacting education, informing policy, and enlightening the public.

This year's meeting presents a special opportunity to come together to discuss recent innovations in the field while also remaining focused on all the advancements left to uncover. The 2018 Meetings aim to promote exposure to different techniques, tools, and social strategies that build upon new ways to approach studying and researching anesthesia. In addition, interactive sessions and thoughtful exhibits will allow attendees to explore growing trends of scientific research and medical practices to forge a place at the forefront of education and implementation. All of Chicagoland’s residents benefit year-round from the important work that the groups’ diverse membership do day in and day out. I commend all associated with IARS, AUA, and SOCCA for demonstrating excellence and dedication in your field, and for being an invaluable resource for the global science and medical communities.

After learning, exchanging ideas, and networking, it is my hope that those visiting our great city take time to experience some of the special places in Chicago. Our historic neighborhoods, iconic skyline, and incredible lakefront invite you to explore all Chicago has to offer. I hope you have a chance to sample our distinguished restaurants, tour our great universities, and visit our world-class museums during your stay.

Best wishes for an enjoyable and informative event, and much continued success.

RAHM EMANUEL, Mayor
How to Use the Program

In this Program, you will find the information you need to make the most of your Annual Meeting experience. Included is a complete listing of Annual Meeting special events, a program schedule, information on Chicago and poster details. The education sessions and Moderated Poster Discussion Session are listed by day and time in the Program. Refer to pages 8-10 of this Program for a map of the Headquarters Hotel, Hyatt Regency Chicago, including meeting rooms and registration area.

ANNUAL MEETING LOCATION

SOCCA 2018 Annual Meeting and Critical Care Update

Headquarters Hotel

Hyatt Regency Chicago • 151 East Wacker Drive
Chicago, Illinois 60601 • Tel: 312-565-1234

REGISTRATION

Onsite Registration Hours

Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm
Saturday, April 28 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm

Your registration materials will be available for pick up at the Registration Desk in the Crystal Foyer, Lobby Level, West Tower.

Name Badges

Your registration materials include your name badge which you must wear at all times while attending events in the hotel. Only attendees with name badges will be admitted to meeting rooms. If you misplace your badge, please visit the Registration Desk for a replacement.

Registration Fee

The registration fee includes all education sessions, continental breakfast, the moderated poster discussion session, SOCCA Reception with Exhibitors, Aligned Meeting and Focus on Critical Care Day sessions, and the Alignment Reception. The Scholars’ Program requires pre-registration and an additional non-refundable fee.

Annual Meeting Registration Cancellation Policy

The registration cancellation deadline is Thursday, April 12, 2018. Registrations canceled on or before Thursday, April 12, 2018, will be refunded, minus a $50 processing charge.

POSTER ROOM

The poster room, poster check-in desk, and the poster pickup booth are located in Riverside West, Exhibit Level, East Tower.

Poster Room Hours

Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 5:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 5:00 pm

Poster Check-in and Information Desk Hours

Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm

Poster Pickup Booth Hours

Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 2:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 2:00 pm

TABLETOP EXHIBITS

The Tabletop Exhibits are located in Regency D, Ballroom Level, West Tower of the hotel. Please join us in the Exhibit Hall for the SOCCA Reception with Exhibitors on Thursday, April 26 and the IARS, AUA and SOCCA Alignment Reception on Saturday, April 28.

Tabletop Exhibit Hours

Thursday, April 26

SOCCA Reception with Exhibitors . . . . . . . 7:00 pm – 8:00 pm

Friday, April 27

Exhibit Hours . . . . . . . . . . . . . . . . . . . . . . 7:00 am – 3:00 pm

Saturday, April 28

Exhibit Hours . . . . . . . . . . . . . . . . . . . . . . 6:30 am – 4:00 pm

IARS, AUA and SOCCA Alignment Reception . . . . . . . . . . . . . . . . . . . . . . . 6:00 pm – 7:30 pm

For complete information on the Tabletop Exhibits, please refer to the Exhibits Guide, provided with your printed materials at registration.
General Information

SERVICES

Abstracts List and Event Search
Search all sessions, abstracts and speakers for the IARS, AUA and SOCCA 2018 Annual Meetings on the event site at ww3.aievolution.com/ars1801.

Internet Availability
Complimentary wireless internet is available in the conference area, exhibit area and all SOCCA-scheduled meeting rooms. Open your wifi settings and choose the network labeled, “Hyatt Conference.” When prompted for an access code, enter “AM2018.” Please no streaming or video downloads.

OpenAnesthesia SelfStudyPlus Information Booth
The first adaptive learning app for anesthesiologists and residents, OpenAnesthesia SelfStudyPLUS personalizes learning using novel and patented algorithms that assess and adapt to individual needs. This easy to use app provides access to over 1700 questions curated by teaching physicians at top hospitals, while fitting into the most demanding schedules. Physicians can use SelfStudyPLUS to conveniently earn CME. OpenAnesthesia is proudly sponsored by IARS. Visit the booth in the Regency Foyer A, Ballroom Level, in the West Tower.

SmartTots Information Booth
Stop by the SmartTots booth! You’ll find a plethora of pediatric anesthesia research resources. Grab the latest info, make a donation, win a bottle of SmartTots wine, enjoy some delicious San Francisco chocolate and more! The SmartTots booth is located in the Regency Foyer A, Ballroom Level, in the West Tower.

Official App of the IARS, AUA and SOCCA 2018 Annual Meetings
The IARS, AUA and SOCCA Annual Meetings will feature an interactive app, IARS Mtgs, allowing you to view the complete event schedule, explore all sessions, and get detailed presenter information. Participate in the interactive games on the app and connect with your peers and colleagues. Download IARS Mtgs, available for iPhone, iPad and Android in the Google Play and Apple Stores.

Social Media
We want to see what you’re getting out of the meeting, whether it’s meeting another doctor for the first time, the food at our special events, or an interesting idea you heard at a session. Share your thoughts on social media using the hashtag #SOCCA2018.

Speaker Ready Room
The speaker ready room is located in the Field Room, Third Floor, West Tower for all SOCCA speakers to utilize.

Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm

Treasure Hunt
Participate in our IARS, AUA and SOCCA 2018 Annual Meetings Treasure Hunt for a chance to win gift cards! Download the IARS Mtgs app from the app store to play. Complete all the IARS AUA SOCCA Treasure Hunt challenges and you’ll be entered to win one of three gift cards. The deadline to complete the Treasure Hunt is Tuesday, April 1 at 12:00 pm. The Treasure Hunt winners will be notified via email following the meeting.

Trivia Game
Play the IARS, AUA and SOCCA 2018 Annual Meeting Trivia Game each day for a chance to win prizes. Each game consists of 12 multiple-choice trivia questions, each with three options. Questions get harder as the game progresses and you only have 10 seconds to select your answer. Participants who get the most correct answers in a game will be entered in a raffle for a chance to win prizes and bragging rights. Check the leaderboard in Crystal Foyer to compare your progress against other attendees. Trivia Game winners will be notified via email after the meeting.

INFORMATION

Dress Code
The dress code for the SOCCA 2018 Annual Meeting is business/business casual.

Electronic Devices
Please silence all electronic devices during education sessions. Videotaping and recording of sessions is not allowed without the written permission from the presenter(s).

Media Release Policy
By attending the SOCCA 2018 Annual Meeting or entering in the facility in which the SOCCA 2018 Annual Meeting takes place, you agree that SOCCA and/or third parties authorized by SOCCA may photograph or record your likeness, image, name, voice, and/or words, and may publish, display, reproduce, copy, and distribute your likeness, image, name, voice, and/or words for promotional, educational, or membership activities worldwide in all forms of media now known or later developed, including but not limited to advertising, training, websites, presentations, and marketing materials. You further acknowledge that SOCCA and/or third parties authorized by SOCCA shall have the right, but not the obligation, to identify you in connection with such media by name and/or affiliation.
Recording (Audio, Video, and Still Photography)
Copyright of the SOC 2018 Annual Meeting program is owned by SOC 2018. SOC 2018 reserves the rights to all recordings or reproductions of presentations at this meeting and all SOC 2018 meetings and symposia. Any photography, filming, taping, recording, or reproduction in any medium of any of the programs presented at the SOC 2018 Annual Meeting without the express written consent of SOC 2018 is strictly forbidden. Exception: Non-flash photography and audio or video recording using hand-held equipment, for strictly personal, social, or noncommercial use, are permitted if not disruptive, as determined by SOC 2018.

No Smoking Policy
Smoking is not permitted at SOC events. We respectfully request that you abide by our smoke-free policy.

Special Services
If you are in need of any special services, please contact SOC 2018 at soccameetings@iars.org or visit the Registration Desk during the Annual Meeting.

SPECIAL EVENTS
SOC Reception with Exhibitors
Thursday, April 26, 7:00 pm – 8:00 pm
Regency D, Ballroom Level, West Tower
Catch up with your colleague and peers and get amped up for the meeting to come! Plus, visit the SOC Tabletop Exhibits!

Scholars’ Program Mentoring and Networking Reception*
Friday, April 27, 6:00 pm – 7:00 pm
The Living Room & Bar, Skyway Level, West Tower
Mentors and trainees will have the opportunity to network and develop connections that will prove valuable.

*The Scholars’ Program requires an additional $50 fee to attend.

IARS, AUA and SOC Reception
Saturday, April 28, 6:00 pm – 7:30 pm
Regency D & Foyer, Ballroom Level, West Tower
Attend a special reception and connect with the leaders in all subspecialties of anesthesia while enjoying some of the delicious cuisine Chicago has to offer. Be sure to visit the Tabletop Exhibits!

TRAVEL TIPS FOR CHICAGO

Chicago Airports
O’Hare International Airport, located 17 miles from downtown, is one of the largest airports in the world. It is North America’s major international gateway airport, servicing over 67 million passengers to and from over 200 destinations around the globe.

Midway International Airport is located 10 miles from downtown Chicago and offers another convenient travel option for visitors. It is the nation’s premier point-to-point airport, offering value-oriented leisure and business travel to over 60 destinations.

Time Zone
Chicago follows the Central Time Zone (CST).

Transportation
O’Hare and Midway airports offer taxi service to downtown and the suburbs. Rates range from $40-50 from O’Hare, and $30-40 from Midway. Rates vary based on travel time and are subject to change.

The Chicago Transit Authority serves both airports for easy and economical travel between downtown and Chicago neighborhoods using the ‘L’ train. The 24-hour CTA Blue Line connects directly to O’Hare and the CTA Orange Line connects directly to Midway. Read more at bit.ly/CHItransit for full fare information and maps.

GO Airport Express provides shared ride services to all downtown/suburban hotels and many businesses.

Weather
Springtime in Chicago means blooming flowers and a lively lakefront. Temperatures start to warm up with April and May are typically between 50°F (10-15°C) and 70°F (21°C).
Headquarters Hotel: Hyatt Regency Chicago

The Hyatt Regency Chicago offers a chic, downtown retreat, located steps from the Magnificent Mile and iconic Chicago destinations. Slip away for an afternoon at The Art Institute of Chicago, ride on the Chicago Architectural Foundation's boat tour, or snap a photo in front of Cloud Gate, locally known as the Bean. Plus, savor the unparalleled views of downtown and Navy Pier from the Hyatt Regency Chicago.

Riverside West
(Exhibit Level, East Tower)

Lobby
(East Tower)
### Thursday, April 26

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am – 6:00 pm</td>
<td>Registration</td>
<td>Crystal Foyer, Lobby Level, West Tower</td>
</tr>
<tr>
<td>7:00 pm – 8:00 pm</td>
<td>SOCCA Reception with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>7:00 pm – 8:00 pm</td>
<td>Exhibits</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
</tbody>
</table>

### Friday, April 27

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>ROOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am – 6:00 pm</td>
<td>Registration</td>
<td>Crystal Foyer, Lobby Level, West Tower</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Breakfast with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Sunrise Panel: Emerging Practice Paradigms in Critical Care Practice</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>7:00 am – 3:00 pm</td>
<td>Exhibits</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>8:00 am – 8:15 am</td>
<td>Welcome Address and Introduction – Non-CME</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>8:15 am – 9:45 am</td>
<td>Education Session I: Metabolic Support for the Postoperative Patient in the ICU</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>9:45 am – 10:15 am</td>
<td>Break with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>10:15 am – 11:15 am</td>
<td>Education Session II: Enhancing Recovery from Critical Illness and Life Thereafter</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>11:15 am – 12:30 pm</td>
<td>Break with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>12:30 pm – 1:30 pm</td>
<td>SOCCA Lunch Satellite Symposium – Non-CME**</td>
<td>Regency B, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>1:30 pm – 2:00 pm</td>
<td>Lifetime Achievement Award Presentation: Leadership for Today, Change for Tomorrow</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>2:00 pm – 2:45 pm</td>
<td>Young Investigator Awards Presentation</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>2:45 pm – 3:00 pm</td>
<td>Break with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>3:00 pm – 3:45 pm</td>
<td>Moderated Poster Discussion Session</td>
<td>Riverside West, Exhibit Floor, East Tower</td>
</tr>
<tr>
<td>3:45 pm – 4:00 pm</td>
<td>Break with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>4:00 pm – 5:00 pm</td>
<td>Education Session IV: Innovative Uses of Ultrasound in the ICU</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>5:00 pm – 5:15 pm</td>
<td>Closing Remarks – Non-CME</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>5:15 pm – 6:00 pm</td>
<td>SOCCA Annual Business Meeting – Non-CME</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>6:00 pm – 7:00 pm</td>
<td>IARS, AUA, SOCCA and eSAS Scholars’ Program Mentoring and Networking Reception*</td>
<td>The Living Room &amp; Bar, Skyway Level, West Tower</td>
</tr>
</tbody>
</table>

*Ticketed Session. Visit the registration desk to check availability.

**Pre-registration required. Visit Exhibits Check-in Desk to check availability.
### Saturday, April 28

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>ROOM*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am – 6:00 pm</td>
<td>Registration</td>
<td>Crystal Foyer, Lobby Level, West Tower</td>
</tr>
<tr>
<td>6:15 am – 7:15 am</td>
<td>Scholars’ Program Breakfast with IARS, AUA and SOCCA Leadership and Mentors*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>6:30 am – 4:00 pm</td>
<td>Exhibits</td>
<td>Regency D &amp; Foyer, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>7:30 am – 9:00 am</td>
<td>Opening General Session and T.H. Seldon Memorial Lecture: Personalizing Healthcare in the Era of Big Data</td>
<td>Crystal AB, Lobby Level, West Tower</td>
</tr>
<tr>
<td>9:00 am – 9:30 am</td>
<td>Break with Exhibitors</td>
<td>Regency D, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>9:30 am – 9:40 am</td>
<td>Scholar-01: Introduction to Scholars’ Program and eSAS*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>9:30 am – 10:30 am</td>
<td>PBLD-02: SOCCA: To Intubate or Not: Management of Postoperative Acute Respiratory Failure*</td>
<td>Wright, Third Floor, West Tower</td>
</tr>
<tr>
<td>9:30 am – 12:00 pm</td>
<td>Symposium-01: AUA: Mitochondria and Bioenergetics in Health and Disease It’s Not Just A Power Failure!</td>
<td>Crystal C, Lobby Level, West Tower</td>
</tr>
<tr>
<td>9:40 am – 10:30 am</td>
<td>Scholar-02: Moving from Insight to Research Program and What This is All About*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>10:45 am – 12:15 pm</td>
<td>Scholar-03: Shine Like A Rockstar: Different Paths to Success*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>11:15 am – 12:00 pm</td>
<td>RCL-01: SOCCA: The Tele-Vision: Taking Care to the Patient and Expanding the Scope of the Intensivist</td>
<td>Crystal B, Lobby Level, West Tower</td>
</tr>
<tr>
<td>12:00 pm – 1:00 pm</td>
<td>PBLD-05: AUA: Why Study Time Doesn’t Always Lead to Learning: How Do We Help the Struggling Trainee? Offered Twice!*</td>
<td>Dusable, Third Floor, West Tower</td>
</tr>
<tr>
<td>12:30 pm – 2:00 pm</td>
<td>Scholar-04: Lunch Session: Resilience Personified: Transitioning from Trainee to Junior Faculty and Beyond*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>1:00 pm – 2:00 pm</td>
<td>Lunch on Your Own</td>
<td>Offsite</td>
</tr>
<tr>
<td>2:00 pm – 3:00 pm</td>
<td>PBLD-07: SOCCA: The Sweet Escape: A Complicated Case of DKA*</td>
<td>Dusable, Third Floor, West Tower</td>
</tr>
<tr>
<td>2:15 pm – 3:45 pm</td>
<td>Scholar-05: Moving Fluidly Across the Translational Spectrum: Current Opioid Crisis*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>2:30 pm – 3:30 pm</td>
<td>PBLD-09: AUA: Why Study Time Doesn’t Always Lead to Learning: How Do We Help the Struggling Trainee? Offered Twice!*</td>
<td>Ogden, Third Floor, West Tower</td>
</tr>
<tr>
<td>4:00 pm – 5:00 pm</td>
<td>PBLD-10: AUA: Getting to the Heart of the Matter: Perioperative Focused Cardiac and Pulmonary Ultrasound, and the Hemodynamically Unstable Patient*</td>
<td>Dusable, Third Floor, West Tower</td>
</tr>
<tr>
<td>4:00 pm – 5:00 pm</td>
<td>PBLD-11: SOCCA: Perioperative Renal Replacement Therapy for the Anesthesiologist: Does It Make A Difference?*</td>
<td>Wright, Third Floor, West Tower</td>
</tr>
<tr>
<td>4:00 pm – 5:00 pm</td>
<td>Scholar-06: Priorities for Developing Researchers: Perspectives from the NIH and IARS*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>5:00 pm – 5:45 pm</td>
<td>RCL-06: SOCCA: Heart Failure with Preserved Ejection Fraction (HFpEF) as a Perioperative Risk Factor</td>
<td>Crystal B, Lobby Level, West Tower</td>
</tr>
<tr>
<td>5:10 pm – 6:10 pm</td>
<td>Scholar-07: From the Editor’s Desk: A No-Nonsense Guide to Successful Publication*</td>
<td>Regency C, Ballroom Level, West Tower</td>
</tr>
<tr>
<td>6:00 pm – 7:30 pm</td>
<td>IARS, AUA and SOCCA Alignment Reception</td>
<td>Regency D &amp; Foyer, Ballroom Level, West Tower</td>
</tr>
</tbody>
</table>

*Ticketed Session. Visit the registration desk to check availability.

### Sunday, April 29

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>ROOM*</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am – 6:00 pm</td>
<td>Registration</td>
<td>Crystal Foyer, Lobby Level, West Tower</td>
</tr>
<tr>
<td>4:00 pm – 5:30 pm</td>
<td>Panel-21: SOCCA: 50 Years of ARDS: An Update*</td>
<td>Regency B Ballroom Level, West Tower</td>
</tr>
</tbody>
</table>
Welcome to the SOCCA 2018 Annual Meeting and Critical Care Update in Chicago!

Collaborate and Network with Leaders in Critical Care Anesthesia

Join your colleagues for a stimulating program at the SOCCA 2018 Annual Meeting and Critical Care Update, on Friday, April 27, at the Hyatt Regency Chicago in Chicago, and explore current practices and review cutting-edge topics in research and education with thought leaders in critical care anesthesia. While in Chicago, stay an extra day and take advantage of the IARS Aligned Meeting and SOCCA Focus on Critical Care Day sessions on Saturday, April 28, available complimentary to all SOCCA registrants. This year, you also have access to a bonus Focus on Critical Care session on Sunday, April 29. Don’t miss these valuable learning opportunities!

Discover Chicago

Chicago is more than just a big city. Besides its striking downtown, which includes some of the most beautiful buildings in the world, Chicago has a distinctive shoreline, hundreds of vibrant parks and 77 unique neighborhoods. In Chicago, you will find incredible shopping on the Magnificent Mile, a Michelin-rated dining scene and exciting nightlife, just a short walk from the SOCCA Headquarters Hotel. The city also offers more than 60 museums, five regional Tony Award-winning theaters and, no matter the season, a sports team to cheer on. Chicago’s neighborhoods represent more than 100 countries and it’s through this diversity and profound city culture that the city has developed the country’s best restaurants, theaters and museums. Enjoy your visit to Chicago!

Chicago by the Numbers

237 square miles of land located at the southwestern tip of Lake Michigan
As the third-most populous city in the U.S., Chicago has an estimated 2.7 million residents
77 community areas containing more than 100 neighborhoods
Home of the iconic deep-dish pizza, Chicago serves as a gourmet dining epicenter and hosts over 5,195 restaurants

More than 250 theaters, 225 music venues and 200 dance companies
56 museums including the Museum of Science+Industry and the Art Institute of Chicago
Over 700 works of public art exhibited in 150 municipal facilities around the city including Cloud Gate (the Bean) and Cows on Parade

More than 125 art galleries and 20 neighborhood art centers
26 miles of lakefront with an 18.5-mile lakefront path
8,100 acres of green space with 580 parks and 26 beaches
5 city-wide music festivals, nearly 50 neighborhood music festivals and 35 neighborhood food festivals

Over 30 downtown and neighborhood parades
Approximately 369 landmarks and 46 historic districts
Over 225 miles of bike lanes and more than 13,000 bike racks
Over 3,000 bikes and 300 stations through the Divvy bike sharing system

28 CTA bus routes and 8 train routes serving 146 stations
119 hotels with 39,000 hotel rooms in the Central Business District
37 moveable bridges – Chicago has more than any city in the world. Most are the design-style called bascule, from the French word for teeter-totter.
General Information

What to Do in Chicago

Chicago Neighborhoods
The meeting takes places in downtown Chicago, among the tall buildings of the city skyline. The North Side neighborhoods are full of entertainment from baseball, sketch comedy, and live jazz. The neighborhoods to the south contains many of the city’s cultural spots with public art pieces, galleries, museums, and performance venues. To the west is a large diversity of neighborhoods with many ethnic stores, restaurants, and specialty shops. Visit www.choosechicago.com for more details.

Architecture
Chicago is the birthplace to the modern skyscraper. Since most buildings in the downtown area were destroyed during the Great Chicago Fire in 1871, the city rebuilt with new and original designs for its buildings. Here are just a few of the unique buildings nearby:

<table>
<thead>
<tr>
<th>Building</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aqua</td>
<td>225 N Columbus Dr</td>
</tr>
<tr>
<td>Marina City</td>
<td>300 N State St</td>
</tr>
<tr>
<td>Tribune Tower</td>
<td>435 N Michigan Ave</td>
</tr>
<tr>
<td>Willis Tower (formally the Sears Tower)</td>
<td>233 S Wacker Dr</td>
</tr>
</tbody>
</table>

Museums
As a leader in the arts, Chicago is widely known for its state-of-the-art museums with over 30 museums to explore. Here are five museums you must visit while in Chicago:

**Adler Planetarium**
Travel through space and time to explore our universe with some of the top researchers in astronomy and astrophysics. Right next to the Planetarium is the Doane Observatory, open to the public to view the planets and stars of our galaxy.

**Art Institute of Chicago**
Art Institute of Chicago has a permanent collection of more than 300,000 artworks, from all over the world and ranging through many time periods.

**Chicago History Museum**
Documenting the history of Chicago, this museum contains items that highlight the people, culture, and events from the past 200 years.

**Field Museum**
The museum was originally founded to exhibit the biological and anthropological collection for the World’s Columbian Exposition of 1893. It spans 350,000 square feet of permanent exhibitions to such as a royal Egyptian tomb or a Chinese rock garden.

**Museum of Contemporary Art**
The museum houses one of the largest collection of modern art in the nation and hosts major touring exhibits. It also presents works by local artists, showcasing the rising talent in the city.
General Information

Restaurant Guide

**Restaurants at the Hyatt Regency Chicago**

**American Craft Kitchen & Bar**
*American (Traditional), $$*
Hours: 6:00 am – 3:00 pm; 5:00 pm – 11:00 pm

**BIG Bar**
*Lounges, American (New), $$*
Hours: From 5:00 pm

**The Living Room**
*Tapas/Small Plates, Cocktail Bars, $$*
Hours: Tues-Sat, 5:00 pm – 11:00 pm

**Stetsons Modern Steak + Sushi**
*Sushi Bars, Steakhouses, $$$*
Hours: Tues-Sat 5:00 pm – 10:00 pm

**Market Chicago**
*Coffee & Tea $$*
Hours: 24-hours a day

**Restaurants Near the Hyatt Regency Chicago**

**Wildberry Pancakes and Café**
*Breakfast & Brunch, American (New), $$*
130 E Randolph St
312-938-9777
Distance from hotel: 5 min (0.2 mi.)

**Potbelly Sandwich Shop**
*Sandwiches, Fast Food, Soup, $*
111 E Wacker Dr
312-861-0013
Distance from hotel: 3 min (0.2 mi.)

**The Purple Pig**
*Tapas/Small Plates, Mediterranean, $$*
500 N Michigan Ave
312-464-1744
Distance from hotel: 8 min (0.4 mi.)

**Lou Malnati’s Pizzeria**
*Pizza, $$*
439 N Wells St
312-828-9800
Distance from hotel: 15 min (0.8 mi.)

**Giordano’s**
*Pizza, $$*
130 E Randolph St
312-616-1200
Distance from hotel: 5 min (0.2 mi.)

**Magnolia Bakery**
*Bakeries, Desserts, Cupcakes, $$*
108 N State St
312-346-7777
Distance from hotel: 10 min (0.5 mi.)

**Catch 35**
*Seafood, $$$*
35 W Wacker Dr
312-346-3500
Distance from hotel: 9 min (0.4 mi.)

**Barrio**
*Mexican, Bars, American (New), $$$*
65 W Kinzie St
312-941-9900
Distance from hotel: 14 min (0.7 mi.)

**Prime & Provisions**
*American (Traditional), Seafood, Steakhouses, $$$$$*
222 N La Salle St
312-726-7777
Distance from hotel: 12 min (0.6 mi.)

**Naf Naf Grill**
*Middle Eastern, Falafel, Salad, $*
326 N Michigan Ave
312-263-0019
Distance from hotel: 5 min (0.2 mi.)

**MingHin Cuisine**
*Dim Sum, Cantonese, Asian Fusion, $$*
333 E Benton Pl Ste 300
312-228-1333
Distance from hotel: 5 min (0.2 mi.)

**Quartino Ristorante**
*Italian, Wine Bars, $$*
626 N State St
312-695-5000
Distance from hotel: 13 min (0.6 mi.)

**Nando’s PERi-PERi**
*Portuguese, South African, Chicken Shop, $$*
22 S Wabash Ave
312-589-7432
Distance from hotel: 10 min (0.5 mi.)

**Yolk – Streeterville**
*Breakfast & Brunch, American (Traditional), Comfort Food, $$*
355 E Ohio St
312-822-9655
Distance from hotel: 9 min (0.4 mi.)
RESTAURANT GUIDE, continued

Brightwok Kitchen  
Asian Fusion, Gluten-Free, Vegetarian, $$
21 E Adams St
312-583-0729
Distance from hotel: 13 min (0.6 mi.)

Cochon Volant Brasserie  
French, Brasseries, $$
100 W Monroe St
312-754-6560
Distance from hotel: 14 min (0.7 mi.)

Coffee near the Hyatt Regency Chicago

Two Zero Three  
Coffee & Tea, Wine Bars $  
203 North Wabash Ave  
312-940-4808  
Distance from hotel: 8 min (0.4 mi.)

Caffe RoM  
Coffee & Tea, Sandwiches, Gelato $  
180 N Stetson Ave  
312-948-888  
Distance from hotel: 3 min (0.1 mi.)

Stan’s Donuts & Coffee  
Donuts, Coffee & Tea $  
181 N Michigan Ave  
312-729-5480  
Distance from hotel: 5 min (0.2 mi.)

Intelligentsia Coffee  
Coffee & Tea $  
53 E Randolph St  
312-920-9332  
Distance from hotel: 6 min (0.3 mi.)

Other Restaurants of Note

Dusek’s Board & Beer  
Bars, American (New), Breakfast & Brunch, $$  
1227 W 18th St  
312-526-385  
Distance from hotel: (4.6 mi.)

Pequod’s Pizzeria  
Pizza, $$  
2207 N Clybourn Ave  
773-327-1512  
Distance from hotel: 25 min car ride (5.0 mi.)

Roister  
American (New) $$$$$  
951 W Fulton Market  
Distance from hotel: 12 min car ride (2.1 mi.)

Gibsons Bar & Steakhouse  
Steakhouses, Wine Bars, $$$  
1028 N Rush St  
312-266-8999  
Distance from hotel: 8 min car ride (1.5 mi.)
THURSDAY, APRIL 26

SOCCA Reception with Exhibitors
7:00 pm – 8:00 pm, Regency D, Ballroom Level, West Tower

Don’t miss this lively reception to kickoff the SOCCA 2018 Annual Meeting and Critical Care Update. Connect with your colleagues and peers and gain the opportunity to interact with leaders in the field. Visit exhibitors and discover the latest innovations. Get energized for the education program and make new contacts with whom to share the meeting experience.

FRIDAY, APRIL 27

IARS, AUA, SOCCA and eSAS Scholars’ Program Mentoring and Networking Reception*
6:00 pm – 7:00 pm, The Living Room & Bar, Skyway Level, West Tower

Be sure to attend the Scholars’ Program Reception and participate in a special mentor-trainee session. Network and socialize with fellow scholars, plus participate in mentoring opportunities.

SATURDAY, APRIL 28

Scholars’ Program Breakfast with IARS, AUA and SOCCA Leadership and Mentors*
6:15 am – 7:15 am, Regency C, Ballroom Level, West Tower

Share the most important meal of the day and network with the IARS, AUA and SOCCA Leadership and Mentors in anesthesiology education and research.

IARS, AUA and SOCCA Alignment Reception
6:00 pm – 7:30 pm, Regency D & Foyer, Ballroom Level, West Tower

Come together and celebrate the convergence of the IARS, AUA and SOCCA Annual Meetings and meet the leaders in all subspecialties in anesthesiology in one location, Chicago. Be sure to visit the Tabletop Exhibits, too. Relax, unwind and join your colleagues at this upbeat event.

*The Scholars’ Program requires a separate $50 non-refundable fee and pre-registration. This fee includes education sessions, reception, breakfast and lunch. Seating is limited.
Activity Overview
The Society of Critical Care Anesthesiologists (SOCCA) 2018 Annual Meeting and Critical Care Update is designed to optimize outcomes for critically ill patients and their families through evidence-based and clinically-oriented physician education. The purpose of the SOCCA Annual Meeting and Critical Care Update is to advance knowledge, improve competence, and enhance performance of intensive care teams.

Target Audience
The SOCCA 2018 Annual Meeting and Critical Care Update is designed for anesthesiologists in the clinical and laboratory setting.

Educational Objectives
As a result of participating in this live CME activity, learners will be able to:
• Evaluate the current state of emerging knowledge and practice patterns and assess the relevance to their professional practice;
• Incorporate new knowledge from advances in anesthesiology practice into their professional practice areas; and
• Distinguish gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

Accreditation Statement
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the International Anesthesia Research Society (IARS) and the Society of Critical Care Anesthesiologists (SOCCA). The IARS is accredited by the ACCME to provide continuing medical education for physicians.

CME Credit
The International Anesthesia Research Society (IARS) designates this live activity for a maximum of 7.5 AMA PRA Category 1 Credits.™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Claiming CME Credit
The IARS will provide online program evaluation and session tracking to support claiming CME credit beginning on Wednesday, May 2. Meeting participants will have 90 days to claim CME credit.

Maintenance of Certification in Anesthesiology Program® (MOCA®)
Physicians wishing to have credits from this educational activity reported to the ABA for the ABA MOCA® Program may do so by entering their eight digit ABA identification number when claiming CME credit. The IARS forwards credits to the ABA on a quarterly basis. Sessions approved for ABA MOCA 2.0® Patient Safety CME credit is designated by.

Disclosure
The International Anesthesia Research Society (IARS) makes every effort to develop CME activities that are independent, objective, scientifically balanced presentations of information. The IARS has implemented mechanisms requiring everyone in a position to control content to disclose all financial relationships with commercial interests. Disclosure of any or no relationships is made available in advance of all educational activities. The IARS evaluates, and if necessary, resolves any conflicts of interest prior to the start of the activity. Individuals who refuse or fail to provide the required disclosures are disqualified from being a planning committee member, teacher, or author of CME, and cannot have control of, or responsibility for, the development, management, presentation or evaluation of the CME activity.

Disclaimer
The information provided in this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient's medical condition.

Commercial Support
This CME activity is supported entirely by the Society of Critical Care Anesthesiologists (SOCCA). There is no commercial support for this activity.
### SOCCA Committee on Education

**Chair**  
Adam S. Evans, MD, MBA, FCCM  
Associate Professor,  
Icahn School of Medicine at Mount Sinai  
New York, New York

**Sheela Pai Cole, MD**  
Associate Professor, Anesthesiology  
Stanford University  
Stanford, California

**Thomas A. Cooper**  
Executive Director, IARS  
San Francisco, California

**Peter Von Homeyer, MD, FASE**  
University of Washington Medical Center  
Seattle, Washington

### SOCCA Board of Directors

#### Officers

**President**  
Avery Tung, MD, FCCM  
University of Chicago Medicine  
Chicago, Illinois

**President-Elect**  
Daniel R. Brown, MD, PhD, FCCM  
Mayo Clinic College of Medicine and Science  
Rochester, Minnesota

**Treasurer**  
Miguel A. Cobas, MD, FCCM  
University of Miami  
Miller School of Medicine  
Jackson Memorial Hospital  
Miami, Florida

**Secretary**  
Michael H. Wall, MD, FCCM  
University of Minnesota Medical School  
Minneapolis, Minnesota

**Immediate Past President**  
Aryeh Shander, MD, FCCM, FCCP  
Englewood Hospital and Medical Center  
Englewood, New Jersey

**ASA Delegate (Ex-Officio)**  
Stephen D. Surgenor, MD  
Dartmouth-Hitchcock Medical Center  
Lebanon, New Hampshire

**ASA Alternate Delegate (Ex-Officio)**  
S. Patrick Bender, MD  
University of Vermont Medical Center  
Burlington, Vermont

**Canadian Representative (Ex-Officio)**  
Patricia M. Murphy, MD  
Toronto General Hospital  
Toronto, Ontario, Canada

### Directors

**James M. Blum, MD, FCCM**  
Emory University School of Medicine  
Atlanta, Georgia

**Michael Haney, MD, PhD**  
Umēa University  
Umēa, Sweden

**Benjamin A. Kohl, MD, FCCM**  
Thomas Jefferson University  
Philadelphia, Pennsylvania

**Linda L. Liu, MD**  
University of California, San Francisco School of Medicine  
San Francisco, California

**Mark E. Nunnally, MD, FCCM**  
New York University  
Langone Health  
New York, New York
Program Faculty

Lu Che, MD
Anaesthesiology Department, Peking Union Medical College Hospital, Beijing, China; Young Investigator Award – 2nd Runner-Up

Matthias Eikermann, MD, PhD
Professor of Anaesthesia, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

Adam S. Evans, MD, MBA, FCCM
Associate Professor, Cardiopulmonary Surgery, Icahn School of Medicine at Mount Sinai, New York, New York; Chair, Committee on Education, SOCCA

Douglas B. Coursin, MD
Vice-Chair for Faculty Development, Professor of Anesthesiology and Internal Medicine, University of Wisconsin School of Medicine and Public Health, Madison, Wisconsin

Jacob Gutsche, MD
Assistant Professor, Anesthesiology and Critical Care, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania

Leila Hosseinian, MD
Director of CTICU, Program Director Anesthesia, CCM Fellowship; Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

Todd Kelly, MD
Critical Care Division Chief, Intensivist, Anesthesiologist, United States Anesthesia Partners, Houston, Texas

Ashish K. Khanna, MD, FCCP, FCCM
Staff Anesthesiologist and Intensivist, Assistant Professor of Anesthesiology CCCLCM, Vice-Chief for Research, Center for Critical Care, Anesthesiology Institute, Cleveland Clinic Foundation, Cleveland, Ohio; Young Investigator Award – 1st Runner-Up

Junghyun Kim, MD, PhD
Visiting Post-Doctoral Fellow, Department of Anesthesiology, University of Maryland School of Medicine, Baltimore, Maryland; Young Investigator Award – Winner

Daryl J. Kor, MD, MSc
Consultant, Department of Anesthesiology and Perioperative Medicine, Mayo Clinic College of Medicine and Science, Rochester, Minnesota

Michael Lanspa, MD, MS
Assistant Professor, Adjunct, Pulmonary and Critical Care Medicine, University of Utah School of Medicine; Director, Critical Care Echocardiography Training, University of Utah, Intermountain Medical Center, Salt Lake City, Utah

Jeffrey Mechanick, MD
Professor of Medicine, Divisions of Cardiology and Endocrinology, Diabetes and Bone Disease, Icahn School of Medicine at Mount Sinai, New York, New York

Mark E. Nunnally, MD, FCCM
Director, Adult Critical Care Services, New York University Langone Health, New York, New York

Sheela Pai Cole, MD
Associate Professor, Anesthesiology, Stanford University, Stanford, California

Pratik Pandharipande, MD, MSCI
Professor of Anesthesiology and Surgery, and Chief, Division of Anesthesiology Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee

Venkatakrishna Rajajee, MBBS
Clinical Associate Professor, Neurological Surgery, Associate Professor, Neurology, University of Michigan Medicine, Ann Arbor, Michigan

Cortessa Russell, MD
Assistant Professor of Anesthesiology, Columbia University College of Physicians and Surgery, New York, New York

Inigo San Millan, PhD
Director, Exercise Physiology Lab, Director of the Sports Performance Program, Assistant Professor, University of Colorado School of Medicine, Aurora, Colorado

Audrey Shafer, MD
Assistant Professor, Department of Intensive Care Medicine, Executive Head of Cardiovascular Critical Care and Anesthesia Evaluation and Research Unit, RWTH Aachen University, Aachen, Germany

Christian Stoppe, MD
Assistant Professor, Department of Anesthesiology, Chair, Academic Career Enrichment Scholars (ACES) Resident Research Program, Duke University School of Medicine; Director, Perioperative Research, Duke Clinical Research Institute (DCRI), Durham, North Carolina

Jeffery S. Vender, MD, FCCP, FCCM, MBA
Chairman of Anesthesiology, NorthShore University HealthSystem, Evanston, Illinois; 2018 SOCCA Lifetime Achievement Award Winner

Paul E. Wischmeyer, MD, EDIC
Professor, Department of Anesthesiology, Division of Critical Care Medicine, Associate Vice Chair for Clinical Research, Co-Director, Academic Career Enrichment Scholars (ACES) Resident Research Program, Duke University School of Medicine; Director, Perioperative Research, Duke Clinical Research Institute (DCRI), Durham, North Carolina
THURSDAY, APRIL 26
7:00 pm – 8:00 pm
SOCCA Reception with Exhibitors

FRIDAY, APRIL 27
7:00 am – 8:00 am
Breakfast with Exhibitors

8:00 am – 8:15 am
Welcome Address and Introduction (Non-CME)
- Avery Tung, MD, FCCM, President, Society of Critical Care Anesthesiologists
- Adam S. Evans, MD, MBA, FCCM, Chair, Committee on Education

8:15 am – 9:45 am
Education Session I: Metabolic Support for the Postoperative Patient in the ICU
Moderator: Adam S. Evans, MD, MBA, FCCM

Presenters:
- A Call to Action for Anesthesia-Intensivists
  Jeffrey Mechanick, MD
- Targeting the Microbiome in the ICU
  Paul E. Wischmeyer, MD, EDIC
- Perioperative Glycemic Control
  Leila Hosseinian, MD
- Feeding the Postoperative Patient-Challenges and Opportunities
  Christian Stoppe, MD

Learner Objectives: After participating in this activity, the learner will be able to: (1) Formulate a protocol for intensive metabolic support that includes tight glycemic control and nutrition support for patients that are postoperative in the ICU; (2) List three circumstances where patients that are postoperative in the ICU will require early parenteral nutrition support; (3) Discuss how a preoperative optimization of the nutritional state should be targeted in the malnourished patient undergoing cardiac surgery; (4) Explain how a postoperative nutritional therapy should be initiated early postoperatively (0-24 hours after surgery) in hemodynamically stable patients at risk for malnutrition with an expected prolonged ICU stay; and (5) Discuss how an additional immune-modulating component to nutrition should be considered if initiated early postoperatively within 12 hours after ICU admission.

9:45 am – 10:15 am
Break with Exhibitors

10:15 am – 11:15 am
Education Session II: Enhancing Recovery from Critical Illness and Life Thereafter
Moderator: Peter Von Homeyer, MD, FASE

Presenters:
- Metabolic Decay and Rehabilitation During and Post-ICU
  Inigo San Millan, PhD
- Early Rehab
  Matthias Eikermann, MD, PhD
- Post ICU Recovery Clinics
  Pratik Pandharipande, MD, MSC

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review and discuss the metabolic and nutritional challenges at the ICU; and (2) Discuss and analyze proposed metabolic mechanisms and approaches for recovery post-ICU.

11:15 am – 11:30 am
Break with Exhibitors

The Jay Pritzker Pavilion, located in Millenium Park, was designed by Frank Gehry and is the home of the Grant Park Symphony Orchestra and Chorus and the Grant Park Music Festival.
FRIDAY, APRIL 27, continued

11:30 am – 12:30 pm
Education Session III: 
Wellness for the Anesthesiologist-Intensivist
Moderator: Sheela Pai Cole, MD
Presenters:
■ Preventing Burnout
  Cortessa Russell, MD
■ Improving Resilience
  Sheela Pai Cole, MD
■ Dealing with Grief
  Audrey Shafer, MD
Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss how the arts and humanities can help the clinician deal with suffering; and (2) Evaluate how the arts and humanities can enable empathy.

12:30 pm – 1:30 pm
SOCCA Lunch Satellite Symposium (Non-CME) – open to all attendees, pre-registration required

1:30 pm – 2:00 pm
Lifetime Achievement Award Presentation: 
Leadership for Today, Change for Tomorrow
Introduction: Douglas B. Coursin, MD
Presenter: Jeffery S. Vender, MD
Learner Objectives: After participating in this activity, the learner will be able to: (1) Define key elements to the change process; (2) Identify the role of leadership in complex change scenarios; and (3) Identify the changing environment in critical care.

2:00 pm – 2:45 pm
Young Investigator Awards Presentation
Moderator: Daryl J. Kor, MD, MSc

YOUNG INVESTIGATOR AWARD – WINNER
Contrasting Effects of Stored Allogeneic Red Blood Cells and Their Supernatants on Permeability and Inflammatory Responses by Human Pulmonary Artery Endothelial Cells
Junghyun Kim, MD

YOUNG INVESTIGATOR AWARD – 1ST RUNNER-UP
Association of Angiotensin II Dose with All-Cause Mortality in Patients with Vasodilatory Shock
Ashish K. Khanna, MD, FCCP, FCCM

YOUNG INVESTIGATOR AWARD – 2ND RUNNER-UP
CHA2DS2-VASc Score for Risk Prediction of Venous Thromboembolic Events After Total Joint Arthroplasty
Lu Che, MD

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize findings of current research; and (2) Explain application in clinical practice.

2:45 pm – 3:00 pm
Break with Exhibitors

3:00 pm – 3:45 pm
Moderated Poster Discussion Session
Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the latest developments in anesthesiology research in basic, clinical and population science; (2) Examine recent research findings relative to anesthesiology and evaluate their application to the learner’s own research and clinical practice; and (3) Construct strategies for integrating new knowledge into anesthesiology research programs.

3:45 pm – 4:00 pm
Break with Exhibitors

4:00 pm – 5:00 pm
Education Session IV: Innovative Uses of Ultrasound in ICU
Moderator: Peter Von Homeyer, MD, FASE
Presenters:
■ Respiratory Failure
  Michael Lanspa, MD, MS
■ Optic US for ICP Monitoring
  Venkatakrishna Rajajee, MBBS
■ Nutrition
  Paul E. Wischmeyer, MD, EDIC
■ RV Strain
  Aalok K. Kacha, MD, PhD
Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain the principle behind the use of optic nerve ultrasound (ONUS) to detect intracranial hypertension; and (2) Discuss the evidence on the accuracy of ONUS compared to the gold standard of invasive monitoring; (3) Describe an algorithm for rapid echocardiographic assessment of the right ventricle; and (4) Identify common acute right ventricular pathology on echocardiography.

5:00 pm – 5:15 pm
Closing Remarks (Non-CME)

5:15 pm – 6:00 pm
SOCCA Annual Business Meeting (Non-CME)

6:00 pm – 7:00 pm
IARS, AUA, SOCCA and eSAS Scholars’ Program Mentoring and Networking Reception*
* The Scholars’ Program requires a separate $50 non-refundable fee and pre-registration. This fee includes education sessions, reception, breakfast and lunch. Seating is limited.
Saturday, April 28

The attendees of the SOCCA Annual Meeting will have the opportunity to take advantage of a special Aligned Meeting and SOCCA Focus on Critical Care Day on Saturday, April 28, complimentary as part of their registration fee. Thought leaders in anesthesiology will present a wide selection of robust education sessions, highlighting pioneering topics in anesthesia and celebrating advances in education, science, research and the art of anesthesiology.

6:15 am – 7:15 am  **Scholars’ Program Breakfast with IARS, AUA and SOCCA Leadership and Mentors**
Meet with the IARS, AUA and SOCCA Leadership and Mentors over breakfast.

7:30 am – 9:00 am  **Opening General Session and T.H. Seldon Memorial Lecture: Personalizing Health Care in the Era of Big Data**
with Dr. Jeffrey R. Balser

Over the past two decades, Dr. Balser has guided expansion of Vanderbilt University School of Medicine research programs in personalized medicine, human subjects research, and population health, moving Vanderbilt University School of Medicine’s ranking to eighth in the nation among U.S. medical schools in total grant support provided through the National Institutes of Health (NIH).

9:30 am – 10:30 am  **Problem-Based Learning Discussion: SOCCA: To Intubate or Not: Management of Post-Operative Acute Respiratory Failure**
with Dr. Kunal Karamchandani

Management of postoperative acute respiratory failure can be challenging. Early recognition and prompt treatment is critical to prevent significant morbidity and mortality. In this case-based session, discuss the principles and utility of non-invasive ventilation (NIV) and high flow nasal cannula (HFNC) in the management of acute hypoxic respiratory failure.

9:30 am – 12:00 pm  **Symposium: AUA: Mitochondria and Bioenergetics in Health and Disease: It’s Not Just a Power Failure!**
with Drs. Paul S. Brookes, Elizabeth A. Jonas, Y.S. Prakash, Douglas L. Rothman, and Douglas C. Wallace

This invigorating symposium will highlight important questions relating to mitochondria and bioenergetics that impact the perioperative environment. Examine the roles of altered mitochondrial structure and function as well as bioenergetics and unintended consequences of drugs or other interventions on mitochondria and bioenergetics and how this may help improve and individualize patient care.

11:15 am – 12:00 pm  **Review Course Lecture: SOCCA: The Tele-Vision: Taking Care to the Patient and Expanding the Scope of the Intensivist**
with Dr. Liza M. Weavind

The reality of virtual care is upon us, and it is our responsibility as intensivists to maximize the potential of telemedicine to leverage ourselves and provide care to an ever widening circle of patients, not limited to the critically ill in our ICUs. Our patients may be acutely deteriorating on a non-monitored floor or being evaluated in an emergency department. Our input as intensivists, in real time, in remote geographic locations, within or outside of the hospital may be lifesaving. Utilizing telemedicine to take critical care to the patient, rather than bringing the patient to the ICU, should be our goal.

12:00 pm – 1:00 pm  **Problem-Based Learning Discussion: AUA: Why Study Time Doesn’t Always Lead to Learning: How Do We Help the Struggling Trainee? – Offered Twice!**
with Drs. Ersne Eromo and Daniel Saddawi-Konefka

This hands-on session will provide various self-study methods available to trainees, including relative effectiveness of each technique, offering an approach to unpack a trainee’s study habits and to prepare a study plan for a hypothetical trainee that combines effective learning modalities.

2:00 pm – 3:00 pm  **Problem-Based Learning Discussion: SOCCA: The Sweet Escape: A Complicated Case of DKA**
with Dr. George W. Williams, II

Join this exciting discussion and examine an intriguing case of diabetic ketoacidosis (DKA). Evaluate a case of a middle-aged man who presents with a preliminarily negative cardiac workup and yet has chest pain. Endocrine, renal and infectious diseases come into play in this real case.
Saturday, April 28

2:30 pm – 3:30 pm  **Problem-Based Learning Discussion: AUA: Why Study Time Doesn’t Always Lead to Learning: How Do We Help the Struggling Trainee? – Offered Twice!**
with Drs. Ersne Eromo and Daniel Saddawi-Konefka

4:00 pm – 5:00 pm  **Problem-Based Learning Discussion: AUA: Getting to the Heart of the Matter: Perioperative Focused Cardiac and Pulmonary Ultrasound, and The Hemodynamically Unstable Patient**
with Drs. Alexander S. Kuo and Abraham Sonny
Evaluate the role of anesthesiologist-performed focused cardiac and pulmonary ultrasound in the perioperative period and the role of focused ultrasound in hemodynamic assessment for guiding diagnosis and management of undifferentiated shock.

4:00 pm – 5:00 pm  **Problem-Based Learning Discussion: SOCCA: Perioperative Renal Replacement Therapy for the Anesthesiologist: Does It Make A Difference?**
with Dr. Dragos Galusca
Anesthetic management of high-risk patients undergoing major hepatic surgery can involve the use of perioperative renal replacement therapy (RRT). Examine the risk factors and etiology of renal injury for patients undergoing major (hepatic) surgery during this discussion session.

5:00 pm – 5:45 pm  **Review Course Lecture: SOCCA: Heart Failure with Preserved Ejection Fracture (HFrEF) as a Perioperative Risk**
with Dr. Aalok Kacha
Heart failure with preserved ejection fraction (HFrEF) accounts for approximately 50% of cases of heart failure. HFrEF confers an increased risk of perioperative morbidity and mortality. Assess how the phenotypes, evaluation, and management of HFrEF is important for the perioperative physician given the increasing prevalence of ICUs.

6:00 pm – 7:30 pm  **IARS, AUA and SOCCA Alignment Reception**
Mingle with your colleagues and peers in all subspecialties of anesthesiology. Plus, visit the Tabletop Exhibits.

**Bonus! Focus on Critical Care Session on Sunday, April 29, Complimentary for SOCCA Attendees**

4:00 pm – 5:30 pm  **Panel: SOCCA: 50 Years of ARDS: An Update**
with Drs. Kunal Karamchandani, Brian Kavanagh, Daniel S. Talmor, Avery Tung, and Michael H. Wall
Despite heightened awareness and extensive research related to acute respiratory distress syndrome (ARDS) over the last 50 years, ARDS represents an important public health problem globally and is associated with a mortality rate of approximately 40%. ARDS continues to be under-recognized and under-treated in terms of the use of optimal, proven, or recommended approaches to mechanical ventilation. Attend this panel and discover strategies to prevent and treat ARDS.
The Scholars’ Program is for early-stage scholars and trainees in anesthesiology who are looking for best practices as they adapt to the rapidly changing world of academic anesthesia and medicine. Through innovative teaching approaches, scholars and trainees will receive the much-needed skills they desire while interacting with peers and mentors.

The Scholars’ Program requires a separate $50 non-refundable fee and pre-registration, which includes education sessions, reception, breakfast and lunch. Seating is limited.

Friday, April 27 • 6:00 pm – 7:00 pm
IARS, AUA, SOCCA and eSAS Scholars’ Program Mentoring and Networking Reception
Based on rigorous evaluation of both mentors’ expertise and trainees’ needs, goal-focused interactions will be fast-tracked. Trainees will be matched with a mentor and have an opportunity to interact during this reception.

Saturday, April 28 • 6:15 am – 7:15 am
Breakfast with IARS, AUA and SOCCA Leadership and Mentors
Share the most important meal of the day and network with the IARS, AUA and SOCCA Leadership and Mentors in anesthesiology education and research.

Saturday, April 28 • 9:30 am – 9:40 am
Introduction to the Scholars’ Program and eSAS
with Drs. Vivianne Tawfik and Elizabeth L. Whitlock
The Scholars’ Program is an amazing opportunity for early-stage faculty, fellows, residents and other trainees to gain exposure to exciting advances in the field, learn more about career development in academic anesthesiology and meet other early-stage scholars.

Saturday, April 28 • 9:40 am – 10:30 am
Moving from Insight to Scientific Premise to Research Program and What This is All About
with Drs. Max B. Kelz and Katie J. Schenning
Delve deeply into scientific premises and gain insight into the most thought-provoking research programs in anesthesiology.

Saturday, April 28 • 10:45 am – 12:15 pm
Shine Like A Rockstar: Different Paths to Success
with Drs. Boris D. Heifets, Laureen Hill, Manoj M. Lalu, Peter Nagele, and Paloma Toledo
Learn how to succeed on the clinician-investigator track and observe highlighted pathways, illustrating lessons learned towards success in academic anesthesiology.

Saturday, April 28 • 12:30 pm – 2:00 pm
Lunch Session: Resilience Personified: Transitioning from Trainee to Junior Faculty and Beyond
with Drs. Julie K. Freed, Ken Solt, and Elizabeth L. Whitlock
As young physician scientists continue to face unique challenges, it is important to address the transition from trainee to early-stage faculty including all the pitfalls along the way. Hear about the paths taken by two early-stage scholars during this session.

Saturday, April 28 • 2:15 pm – 3:45 pm
Moving Fluidly Across the Translational Spectrum: Current Opioid Crisis
with Drs. Catherine Chen, Afton Hassett, Michael R. Mathis, Giancarlo Vanini, and Jennifer F. Waljee
Explore the promising avenue of innovative and scalable self-management strategies and discuss how effectively empowering patients with anxiety and pain-coping skills would hopefully decrease the use of analgesics and increase patient satisfaction.

Saturday, April 28 • 4:00 pm – 5:00 pm
Priorities for Developing Researchers: Perspectives from the NIH and IARS
with Drs. Emery N. Brown, Alison Cole, and Robert E. Freundlich
Discover and evaluate the most important priorities for developing researchers from several perspectives including the NIH and IARS.

Saturday, April 28 • 5:10 pm – 6:10 pm
From the Editor’s Desk: A No-Nonsense Guide to Successful Publication
with Drs. Hilary P. Grocott, Kate Leslie, and Jamie R. Privratsky
Great research deserves wide dissemination; therefore, providing early-career researchers a no-nonsense and hassle-free approach to designing, implementing, reporting and submitting studies is necessary to maximize impact.
Clinical Research Consortium: Collaborative Research Initiative for Perioperative Clinical and Translational Science Meeting

Tuesday, May 1, 1:00 pm – 4:00 pm
Regency B, Ballroom Level, West Tower

Because Five Organizations are Better than One

Five prominent anesthesiology organizations have come together to establish a clinical trials network in the United States, focusing specifically on perioperative medicine, critical care, pain management, and peri- and post-partum care.

Please join us at the Hyatt Regency Chicago, for this important gathering. Those interested in anesthesiology-related clinical and translational science are strongly encouraged to attend.

The agenda includes:
• Panel on innovative and efficient approaches to multicenter clinical trials
• Presentations by the Duke Clinical Research Institute (DCRI) and the Multicenter Perioperative Outcomes Group (MPOG)

There is no fee to participate in the Clinical Research Consortium; register onsite day of the event.

Participating Organizations:
• Association of University Anesthesiologists (AUA)
• Early-Stage Anesthesiology Scholars (eSAS)
• The Foundation for Anesthesia Education and Research (FAER)
• The International Anesthesia Research Society (IARS)
• The Society of Critical Care Anesthesiologists (SOCCA)

For more information, visit bit.ly/IARSconsortium.
Poster Room Location and Hours
Riverside West, Exhibits Level, East Tower
Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 5:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . 6:00 am – 5:00 pm

Poster Information and Check-In Desk Location and Hours
Entrance to Poster Room, Riverside West, Exhibits Level, East Tower
Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 6:00 pm

A staff member will be available at the Poster Information and Check-in Desk to assist you in finding your poster board or with any questions. Please check in at the desk 15 minutes prior to your presentation.

Poster Pickup Location and Hours:
Riverside West, Exhibit Level, East Tower
Thursday, April 26 . . . . . . . . . . . . . . . . . . . 6:00 am – 2:00 pm
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 6:00 am – 2:00 pm

Poster Setup:
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 7:00 am – 8:00 am

Poster Breakdown:
Friday, April 27 . . . . . . . . . . . . . . . . . . . . 5:00 pm – 6:00 pm

Oral and Poster Presentation Times
Young Investigator Abstract Awards Presentation:
Regency C, Ballroom Level, West Tower
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 2:00 pm – 2:45 pm

Moderated Poster Discussion Session:
Riverside West, Exhibit Level, East Tower
Friday, April 27 . . . . . . . . . . . . . . . . . . . . . 3:00 pm – 3:45 pm

Moderated Poster Discussion Session Learner Objectives:
After participating in this activity, the learner will be able to: (1) Describe the latest developments in anesthesiology research in basic, clinical and population science; (2) Examine recent research findings relative to anesthesiology and evaluate their application to the learner’s own research and clinical practice; and (3) Construct strategies for integrating new knowledge into anesthesiology research programs.

Poster Presenter Instructions
Presenters are required to be in attendance at their assigned Moderated Poster Discussion Session and should check-in at the poster desk on arrival. Presenters will provide a 3-5 minute summary of their most important research findings. The poster moderator for your poster session will assist with facilitating discussion.

A poster board ID is assigned to all presenting authors. The assigned IDs will be affixed to each poster board in the poster room. Poster Board numbers will be placed at the end of each aisle in the poster session room. A staff member will be available to assist you in finding your poster board.

Poster Board ID Format and Abstract Key for Anesthesia Subspecialty Topics
The Poster Board ID format is the following: Poster Board Anesthesia Subspecialty Topic Abbreviation Poster Board # (Abstract #). Example: AM 1 (230). Please see the Abstract Category Key for Anesthesia Subspecialty Topics below.

Abstract Category Key

<table>
<thead>
<tr>
<th>Abstracts Category for Anesthesia Subspecialty Topics</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airway Management</td>
<td>AM</td>
</tr>
<tr>
<td>Ambulatory Anesthesia</td>
<td>AMB</td>
</tr>
<tr>
<td>Anesthetic Pharmacology</td>
<td>AP</td>
</tr>
<tr>
<td>Bench Science</td>
<td>BS</td>
</tr>
<tr>
<td>Blood Management</td>
<td>BLD</td>
</tr>
<tr>
<td>Cardiovascular Anesthesiology</td>
<td>CA</td>
</tr>
<tr>
<td>Critical Care</td>
<td>CC</td>
</tr>
<tr>
<td>Economics, Education and Policy</td>
<td>EEP</td>
</tr>
<tr>
<td>Geriatric Anesthesia</td>
<td>GA</td>
</tr>
<tr>
<td>Global Health</td>
<td>GH</td>
</tr>
<tr>
<td>Liver</td>
<td>L</td>
</tr>
<tr>
<td>Medically Challenging Cases</td>
<td>MCC</td>
</tr>
<tr>
<td>Metabolism and Perioperative Care</td>
<td>MPC</td>
</tr>
<tr>
<td>Neuroscience in Anesthesiology and Perioperative Medicine</td>
<td>NR</td>
</tr>
<tr>
<td>Obesity</td>
<td>O</td>
</tr>
<tr>
<td>Obstetric Anesthesiology</td>
<td>OB</td>
</tr>
<tr>
<td>Pain and Addiction Pathways</td>
<td>PAP</td>
</tr>
<tr>
<td>Pain Mechanisms</td>
<td>PME</td>
</tr>
<tr>
<td>Pain Medicine</td>
<td>PM</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>PS</td>
</tr>
<tr>
<td>Pediatric Anesthesiology</td>
<td>PED</td>
</tr>
<tr>
<td>Perioperative Anesthesia</td>
<td>PA</td>
</tr>
<tr>
<td>Regional Anesthesiology</td>
<td>RA</td>
</tr>
<tr>
<td>Respiration</td>
<td>RES</td>
</tr>
<tr>
<td>Sleep Medicine</td>
<td>SM</td>
</tr>
<tr>
<td>Technology, Computing and Simulation, Equipment Monitoring</td>
<td>TCSEM</td>
</tr>
<tr>
<td>Trauma</td>
<td>T</td>
</tr>
<tr>
<td>Subspecialty Category</td>
<td>Poster Number</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>Airway Management</td>
<td>159-161</td>
</tr>
<tr>
<td>Anesthetic Pharmacology</td>
<td>170</td>
</tr>
<tr>
<td>Bench Science</td>
<td>187</td>
</tr>
<tr>
<td>Blood Management</td>
<td>172-177, 236</td>
</tr>
<tr>
<td>Cardiovascular Anesthesiology</td>
<td>179-183</td>
</tr>
<tr>
<td>Critical Care</td>
<td>166, 185-186, 188, 192-228, 240, 241</td>
</tr>
<tr>
<td>Economics, Education and Policy</td>
<td>262, 263</td>
</tr>
<tr>
<td>Geriatric Anesthesia</td>
<td>255, 256</td>
</tr>
<tr>
<td>Global Health</td>
<td>264</td>
</tr>
<tr>
<td>Liver</td>
<td>184</td>
</tr>
<tr>
<td>Medically Challenging Cases</td>
<td>167, 173, 190, 251, 269-327, 330-356, 360-362, 364-373</td>
</tr>
<tr>
<td>Metabolism and Perioperative Care</td>
<td>248-249</td>
</tr>
<tr>
<td>Neuroscience in Anesthesiology and Perioperative Medicine</td>
<td>375-383</td>
</tr>
<tr>
<td>Obesity</td>
<td>250</td>
</tr>
<tr>
<td>Obstetric Anesthesiology</td>
<td>189, 252-253</td>
</tr>
<tr>
<td>Pain Medicine</td>
<td>390-392</td>
</tr>
<tr>
<td>Patient Safety</td>
<td>265-267</td>
</tr>
<tr>
<td>Pediatric Anesthesiology</td>
<td>257-260</td>
</tr>
<tr>
<td>Perioperative Anesthesia</td>
<td>162, 385, 388, 394-405</td>
</tr>
<tr>
<td>Regional Anesthesia</td>
<td>168-169</td>
</tr>
<tr>
<td>Respiration</td>
<td>224</td>
</tr>
<tr>
<td>Technology, Computing and Simulation, Equipment Monitoring</td>
<td>229-238</td>
</tr>
<tr>
<td>Trauma</td>
<td>242-245</td>
</tr>
</tbody>
</table>
The **Young Investigator Award** is presented annually to the abstract author whose research exemplifies the Society's mission to educate anesthesiologists in the care of critically ill patients and to foster the knowledge and practice of critical care medicine by anesthesiologists.

**Young Investigator Award • Winner**

*Contrasting Effects of Stored Allogeneic Red Blood Cells and Their Supernatants on Permeability and Inflammatory Responses by Human Pulmonary Artery Endothelial Cells*

**Junghyun Kim**, Trang Nguyen, Michael A. Mazzeffi, Kenichi Tanaka, Anna Birukova, Konstantin Birukov  
*University of Maryland School of Medicine, Baltimore, Maryland*

**Young Investigator Award • 1st Runner-Up**

*Association of Angiotensin II Dose with All-cause Mortality in Patients with Vasodilatory Shock*

**Ashish K. Khanna¹**, Michael McCurdy², David Boldt³, Kealy R. Ham⁴, Kenneth Krell⁵, Lakhmir S. Chawla⁵, George F. Tidmarsh⁶  
¹Cleveland Clinic Lerner College of Medicine, Cleveland, Ohio; ²University of Maryland School of Medicine, Baltimore, Maryland; ³University of California, Los Angeles, Los Angeles, California; ⁴Regions Hospital, University of Minnesota, St. Paul, Minnesota; ⁵Eastern Idaho Regional Medical Center, Idaho Falls, Idaho; ⁶La Jolla Pharmaceutical Company, La Jolla, California

**Young Investigator Award • 2nd Runner-Up**

*CHA2DS2-VASc Score for Risk Prediction of Venous Thromboembolic Events After Total Joint Arthroplasty*

**Lu Che¹**, Yuguang Huang¹, Hui Liu²  
¹Peking Union Medical College Hospital, Beijing, China; ²Peking University, Beijing, China
Moderated Poster Discussion Session
Friday, April 27, 2018 • 3:00 pm – 3:45 pm

**Group 1: Airway Management and Perioperative Anesthesia**

**Moderator: John Klick, MD, Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania**

**AM 159 (1257)**
Non-Invasive Ventilation in Perioperative Surgical Patients
Brooke LeBlanc¹, Phillip Boysen², Bobby Nossaman², Michael Townsend², Jacqueline Wilson¹
¹Ochsner Medical Center, New Orleans, Louisiana; ²Ochsner Clinic Foundation, New Orleans, Louisiana

**AM 160 (911)**
Current Practice of Cricoid Pressure Application for Endotracheal Intubation
Jacob R. Caylor¹, Jaspreet Somal¹, Basem Abdelmalak²
¹University of California, San Diego School of Medicine, San Diego, California; ²Anesthesiology Institute; Cleveland Clinic, Cleveland, Ohio

**AM 161 (1004)**
A Pilot Study of Radiological Variables to Predict Fibreoptic Intubation in Ankylosing Spondylitis with Cervical Spine Involvement
Lu Che¹, ZhuHua Zhang¹, LiJian Pei², Yuguang Huang¹
¹Peking Union Medical College Hospital, Beijing, China; ²Peking Union Medical College, Beijing, China

**PA 162 (990)**
CHA2DS2-VASc Score for Risk Prediction of Venous Thromboembolic Events After Total Joint Arthroplasty
Lu Che¹, Yuguang Huang¹, Hui Liu²
¹Peking Union Medical College Hospital, Beijing, China; ²Peking University, Beijing, China

**AM 163 (1104)**
Difficult Tracheal Extubation in Adult Surgical Intensive Care
Tim Ziethen¹, Phillip Boysen², Bobby Nossaman², Michael Townsend², Jacqueline Wilson¹
¹Ochsner Medical Center, New Orleans, Louisiana; ²Ochsner Clinic Foundation, New Orleans, Louisiana

**Group 2: Airway Management, Anesthetic Pharmacology, Critical Care, Medically Challenging Cases, and Regional Anesthesia**

**Moderator: Alok Gupta, MD, Duke University School of Medicine, Durham, North Carolina**

**AM 165 (1156)**
Ultra Low Cost & Minimally Stimulating Method of Relieving Airway Obstruction During MAC
Sapan Shah, H.T. Lee
Columbia University Medical Center, New York, New York

**CA 166 (1164)**
Acute Bleeding from an Aortic Pseudoaneurysm Due to Sneezing After Coronary Artery Bypass Grafting (CABG) Surgery
Sapan Shah, Jacob Schaff
Columbia University Medical Center, New York, New York

**MCC 167 (1140)**
Anesthetic Management of Quaternary C/S in a Patient with Diffuse, Destructive Malignant Metastatic Lesions
Sapan Shah, Laurence Ring
Columbia University Medical Center, New York, New York

**RA 168 (807)**
Report of Acute Delirium in a Healthy Patient with Rectus Sheath Catheters
Sapan Shah¹, Robert Maniker²
¹Columbia University Medical Center, New York, New York; ²Columbia University, New York, New York

**RA 169 (907)**
Early Experience with 2-Chloroprocaine for Spinal Anesthesia: A Retrospective Analysis at One Institution
David Kim, Richard Kahn, Andrew Lee, Sarah Ortolan, Jacques YaDeau, Phuong Dinh Mac
Hospital for Special Surgery, New York, New York
Moderated Poster Discussion Session
Friday, April 27, 2018 • 3:00 pm – 3:45 pm

Group 3: Blood Management and Medically Challenging Cases

Moderator: Aryeh Shander, MD, FCCM, FCCP, Englewood Hospital and Medical Center, Englewood, New Jersey

BLD 172 (921)
High Reliability Medicine in Transfusion: Intelligent Blood Management
Angela M. Johnson, James L. Hill
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 173 (576)
Cecal Bascule After Cardiac Surgery
Angela M. Johnson, Francis T. Lytle
University Hospitals Cleveland Medical Center, Cleveland, Ohio

BLD 174 (604)
Safety of Four Factor Prothrombin Complex Concentrates (4F-PCC) for the Reversal of Factor Xa Inhibitors
Jing Tao, Elena Bukanova, Shamsuddin Akhtar
Yale University School of Medicine, New Haven, Connecticut

BLD 175 (838)
Contrasting Effects of Stored Allogeneic Red Blood Cells and Their Supernatants on Permeability and Inflammatory Responses by Human Pulmonary Artery Endothelial Cells
Junghyun Kim, Trang Nguyen, Michael A. Mazzeffi, Kenichi Tanaka, Anna Birukova, Konstantin Birukov
University of Maryland School of Medicine, Baltimore, Maryland

BLD 176 (756)
Verification of Provider Indications for Red Blood Cell Transfusion Therapies: A Retrospective Cohort Study
Nathan T. Kor, Todd Kor, Matthew Warner, Daryl J. Kor
Mayo Clinic, Rochester, Minnesota

BLD 177 (1042)
Impact of Reinforced, Strict Guidelines on the Usage of Packed Red Blood Cells (PRBC)
Theresa Kuhlmann, Katharina-Stefanie Haeusler, Michael Booke
Hospital of Bad Soden, Bad Soden, Germany

Group 4: Cardiovascular Anesthesiology and Liver

Moderator: Adam S. Evans, MD, MBA, FCCM, Icahn School of Medicine at Mount Sinai, New York, New York

CA 179 (1058)
Active Intrathoracic Pressure Regulation: A Novel Non-invasive Device to Improve Hemodynamics after Blood Loss in a Porcine Model of Hemorrhage
Anja Metzger1, Paul Berger2, Michael Lick3, Keith Lurie1
1University of Minnesota, St. Paul, Minnesota; 2Zoll Medical, St. Paul, Minnesota; 3Minneapolis Medical Research Foundation, Minneapolis, Minnesota

CA 180 (924)
Fatigue and Dyspnea on Exertion in a Patient with Previous Aortic Valve Surgery
Chris Denny, Charles Baysinger, Randall M. Schell
University of Kentucky, Lexington, Kentucky

CA 181 (1242)
Impact of Methylprednisolone on the Incidence of Postoperative Complications in Cardiac Surgery Patients
Felix Balzer, Ralf F. Trauzeddel, Martin Ertmer, Torsten Geyer, Herko Grubitzsch, Sascha Treskatsch
The Charité – Universitätsmedizin Berlin, Berlin, Germany

CA 182 (936)
Variant Apolipoprotein L1 (APOL1) Alleles are Associated with Increased Risk of Post-Cardiac Surgery Acute Kidney Injury
Jamie Privratsky1, Yi-Ju Li1, Carol Haynes1, Joseph P. Mathew2, Mihai Podgoreanu1, Svati Shah1, Mark Stafford-Smith2
1Duke University Medical Center, Durham, North Carolina; 2Duke University School of Medicine, Durham, North Carolina

CA 183 (932)
Cardiac Output Monitoring: A Comparative Prospective Observational Study of the Conventional Cardiac Output Monitor and a New Smartphone Based Application
Shagun B. Shah1, Ajay K. Bhargava1, Uma Harihar2, Gayatri Vishvakarma1, Shamound R. Jain3, Anamika Kansal1
1Rajiv Gandhi Cancer Institute and Research Centre, Delhi, India; 2Dr. Ram Manohar Lohia Hospital and PGimer, Delhi, India
L 184 (562)
Predicting Postoperative Liver Dysfunction Using Indocyanine Green Clearance After Cardiac Surgery
Kaila Gordo1, Gebhard Wagener2
1Columbia University, New York, New York; 2College of Physicians and Surgeons of Columbia University Medical Center, New York, New York

Group 5: Bench Science, Critical Care, Medically Challenging Cases, and Obstetric Anesthesiology
Moderator: Raquel R. Bartz, MD, MMCI, Duke University School of Medicine, Durham, North Carolina

OB 189 (1439)
New Onset Acute Heart Failure in the Postpartum Period: A 90-day National Readmissions Database Study
Vijal Patel1, Atul Gupta1, Sajid Shahul2, Junaid Nizamuddin3, Mohammed Minhaj3, Sarosh Rana2
1The University of Chicago Medicine, Chicago, Illinois; 2University of Chicago Medical Center, Chicago, Illinois

MCC 190 (1267)
Cardiovascular Collapse as the Initial Presentation of Catastrophic Antiphospholipid Syndrome
Vijal Patel, Aalok K. Kacha
The University of Chicago Medicine, Chicago, Illinois

Group 6: Critical Care

Moderator: Peter Von Homeyer, MD, FASE, University of Washington, Seattle, Washington

CC 192 (1258)
The Prognostic Value of Cardiac Power Output in Septic Patients
Beliz Bilgili, Zuhal Aykac, Muserref Turker
Marmara University, School of Medicine, Istanbul, Turkey

CC 193 (867)
Hyperacute Catheter-Associated Pulmonary Embolus in the Immediate Postoperative Period Following Spinal Surgery
Ergit Paparisto, Daniel Donoho, Michael Kim, Kevin Blaine
Keck School of Medicine of University of Southern California, Los Angeles, California

CC 195 (606)
Long-Term Outcomes Following Extracorporeal Life Support for Acute Respiratory Failure
Michael D. McDonald1, Danielle K. Sandmark1, Jessica Palakshappa2, Mark E. Mikkelsen1, Brian J. Anderson1, Jacob Gutsche1
1Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania; 2Wake Forest School of Medicine, Winston-Salem, North Carolina
Group 6: Critical Care, continued

CC 196 (1329)
Sepsis Upregulates HIF-1 Independent of Tissue Oxygenation
Robert Thiele, Keita Ikeda, Hari Osuru, Zhiyi E. Zuo
University of Virginia, Charlottesville, Virginia

CC 197 (1088)
Focused Transsthoracic Echocardiography and In-Hospital Cardiac Arrest: A Case Series of 10 Resident-Obtained Echocardiograms in the Peri-Resuscitative Period
Susan L. Herrick, Nibras Bughrara, Kirti Sahu, Scott Groudine, Kevin Roberts
Albany Medical College, Albany, New York

Group 7: Critical Care

Moderator: Shatish Bhagwanjee, MD, University of Washington, Seattle, Washington

CC 199 (1279)
Association of Angiotensin II Dose with All-Cause Mortality in Patients with Vasodilatory Shock
Ashish K. Khanna1, Michael McCurdy2, David Boldt3, Kealy R. Ham4, Kenneth Krell5, Lakhmir S. Chawla6, George F. Tidmarsh6
1Cleveland Clinic Lerner College of Medicine, Cleveland, Ohio; 2University of Maryland School of Medicine, Baltimore, Maryland; 3University of California, Los Angeles, Los Angeles, California; 4University of Minnesota; 5University of North Carolina-Chapel Hill, Chapel Hill, North Carolina; 6La Jolla Pharmaceutical Company, La Jolla, California

CC 200 (1285)
Association between MAP and Mortality in Vasodilatory Shock at an Academic Medical Center
Ashish K. Khanna1, Nathan Nielsen2, Feng Zeng3, Margaret Gerbasi4, Gerry Oster4, Aaron Grossman5, Nathan Shapiro6
1Cleveland Clinic Lerner College of Medicine, Cleveland, Ohio; 2Tulane University, New Orleans, Louisiana; 3La Jolla Pharmaceutical Company, La Jolla, California; 4Policy Analysis Inc, Bookline, Massachusetts; 5Beth Israel Deaconess Medical Center; Harvard Medical School, Boston, Massachusetts

Group 8: Critical Care

Moderator: Joti J. Mucci, MD, University Hospitals
Cleveland Medical Center, Cleveland, Ohio

CC 201 (668)
Risks Associated With β-Blocker Discontinuation After Cardiac Surgery
Emily Chanan, Mark Nunnally, Germaine Cuff, Samir Kendale, Aubrey Galloway
New York University Langone Health, New York, New York

CC 202 (685)
Cost Reduction in ICU: Substitution of IV Levothyroxine with PO Levothyroxine
Gregory J. Mickus, Praveen Chahar, Chiedzie Udeh, Sarah Welch
Cleveland Clinic, Cleveland, Ohio

CC 203 (1091)
Pilot Prospective Randomized Trial Comparing Methods of Teaching Point-of-Care Ultrasound Image Interpretation Skills to Medical Trainees
Alexander Reskallah1, Quinton Quinones1, Yue Jiang2, Anna Lisa Crowley1, Erica Peethumnongsin1, Yuri Bronshteyn1
1Duke University Medical Center, Durham, North Carolina; 2University of North Carolina-Chapel Hill, Chapel Hill, North Carolina

CC 204 (914)
Hydroxocobalamin for Treatment of Bacteria-Induced Vasoplegia: The Magic Bullet for Septic Shock?
Kelsey M. Walters, Mary Schultz, David D. Gutterman, Christy Barrios, Rodney Willoughby, Julie K. Freed
Medical College of Wisconsin, Milwaukee, Wisconsin

CC 206 (1404)
Defining Familial Interactions and Networks (Define): An Exploratory Study on Family Networks and Surrogate Decision Making in the ICU
Meghan Lane-Fall, Adam Adenwala
Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania
Group 8: Critical Care, continued

CC 207 (965)
Is all Chlorhexidine Bathing Equal? A Comparison of Skin Chlorhexidine Concentration and Bacterial Colonization After Different, Commonly Used, Methods of Chlorhexidine Bathing
Louisa Palmer¹, George Frendl¹,²
¹Brigham and Women’s Hospital, Boston, Massachusetts; ²Harvard Medical School, Boston, Massachusetts

CC 208 (1394)
Utility of DIBI, a Novel Iron Chelator, as Therapeutic Modality for Murine Peritonitis-Induced Sepsis
Maral Aali¹, Taylor Thorburn¹, Juan Zhou¹, Kayle Dickson¹, Noura Motabbakani¹, Bruce Holbein², Christian Lehmann¹
¹Dalhousie University, Halifax, Nova Scotia, Canada; ²Chelation Partners, Halifax, Nova Scotia, Canada

CC 209 (1037)
Trends in the Use of Extracorporeal Membrane Oxygenation in the United States, 2011-2014: An Examination of State-Level Billing Data
Michael Stentz¹, Craig S. Jabaley², Vanessa Moll¹, James Blum²
¹Emory University School of Medicine, Atlanta, Georgia; ²Emory University Hospital, Atlanta, Georgia

CC 210 (701)
The Effect of Daily Fluid Balance on Mechanical Ventilation in Subarachnoid Hemorrhage
Ognjen Katan¹, Stephanie Mehr¹, Yaping Shi², Matthew Shotwell², Avinash Kumar¹
¹Vanderbilt University Medical Center, Nashville, Tennessee; ²Vanderbilt University School of Medicine, Nashville, Tennessee

CC 211 (723)
Does Real Time Ultrasonography During Bronchoscopy Guided Percutaneous Tracheostomy Confer Any Benefit: A Preliminary, Randomized Controlled Trial
Richa Aggarwal, Kapil Soni
All India Institute of Medical Science, New Delhi, India

Group 9: Critical Care

Moderator: Daryl Kor, MD, Mayo Clinic, Rochester, Minnesota

CC 213 (941)
Implementation of a Simulation-Based Training Program for ECMO Complications
Sarah Burke, Brent Kidd, Hemanckur Makker, Matthew Wiepkeng, Mark Caridi-Scheible, Leon Eydelman
Emory University School of Medicine, Atlanta, Georgia

CC 214 (532)
Replacing Albumin with Crystalloids for Postoperative Cardiac Surgery Fluid Resuscitation in the Intensive Care Unit – An Interprofessional Approach
Ryan J. Fink¹, Andrew Young², N. David Yanez¹, Miriam Treggiani¹, Matthias Merkel¹, Jennifer Mai¹, Marissa Horn³
¹Oregon Health and Science University, Portland, Oregon; ²Roque Valley Medical Center, Medford, Oregon; ³University of California, San Francisco Medical Center, San Francisco, California

CC 215 (715)
The Modified Early Warning System in Unplanned SICU Admission: An Analysis in 263 Consecutive Patients
Annandita Kumar¹, Hussam Ghabra¹, Michael Townsend², Fiona Winterbottom¹, Phillip Boysen¹, Bobby Nossaman¹
¹Ochsner Health System, New Orleans, Louisiana; ²Ochsner Clinic Foundation, New Orleans, Louisiana

CC 216 (1206)
Boarding of ICU Patients Does Not Impact Mortality in an Academic Health System
Robert F. Groff¹, Michael Stentz¹, Craig S. Jabaley², James Blum³, Milad Sharifpour¹
¹Emory University School of Medicine, Atlanta, Georgia; ²Emory University Hospital, Atlanta, Georgia

CC 217 (718)
Cardiac Strain as a Measure of Myocardial Dysfunction After Subarachnoid Hemorrhage
Ari R. Tallen¹, Sajid Shahul², Junaid Nizamuddin², Ariel Mueller³, Avery Tung¹
¹The University of Chicago Medicine, Chicago, Illinois; ²University of Chicago Medical Center, Chicago, Illinois; ³Beth Israel Deaconess Medical Center, Boston, Massachusetts
**Group 10: Critical Care and Respiration**

**Moderator:** Roshni Sreedharan, MD, Cleveland Clinic Foundation, Cleveland, Ohio

**CC 219 (890)**
**Neuroinvasive West Nile Virus Post Heart Transplantation**

Erik Dong, Kellie Morris, Rachel Zabner, Michael Nurok
Cedars-Sinai Medical Center, Los Angeles, California

**CC 220 (1034)**
**Improving Quality of Care by Standardizing OR to Surgical ICU Handoffs**

Megan D. Henley, Emily G. Teeter, Peggy P. McNaul
University of North Carolina, Chapel Hill, North Carolina

**CC 221 (1089)**
**The Nitric Oxide Pathway Antagonists in Septic Shock: Meta-Analysis of Controlled Clinical Trials**

Javier Pascual-Ramirez, Aristides Koutrouvelis, Himanshu A. Patel
The University of Texas Medical Branch, Galveston, Texas

**CC 222 (1182)**
**Outcomes Within the First Three Years of a New Venovenous ECMO Program**

Leon Eydelman¹, John A. Vullo², Michael Stentz¹, James Blum², Michael Connor¹
¹Emory University School of Medicine, Atlanta, Georgia; ²Emory University Hospital, Atlanta, Georgia

**CC 223 (1304)**
**Arterio-enteric Fistula Following Pancreatic Surgery**

Joshua A. Pastor, Joti J. Mucci
University Hospitals Cleveland Medical Center, Cleveland, Ohio

RES 224 (686)
**Current Oxygen Management in the Operating Room: A Retrospective Chart Review**

Joanna Olsen, Stephanie Nonas
Oregon Health and Science University, Portland, Oregon

---

**Group 11: Critical Care and Technology, Computing and Simulation, Equipment Monitoring**

**Moderator:** Praveen Chahar, MD, FCARCSI, Cleveland Clinic, Cleveland, Ohio

**CC 226 (734)**
**Successful Treatment of Post-Myocardial Infarction Hiccups with Dexmedetomidine**

Lynden Baesch, Julie E. Herzog, Francis T. Lytle
University Hospitals Cleveland Medical Center, Cleveland, Ohio

**CC 227 (751)**
**Post Operative Hypoxic: A Unique Case of Thoracotomy Complicated by Platypnoea-Orthodeoxia Syndrome**

Ashley N. Taylor, Mary Jarzebowski
Henry Ford Health System, Detroit, Michigan

**TCSEM 229 (697)**
**The Simulation Wars: A Competition to Increase Participation in Emergency Manuals Simulation Training and a Novel Tool for Rating Simulation Competitions**

Khoa Nguyen, Jeffrey Huang
University of Central Florida, Orlando, Florida

**TCSEM 230 (1126)**
**Virtual Reality Use in Adult ICU to Mitigate Anxiety for a Patient on V-V ECMO: A Feasibility Trial**

Gregory J. Blair¹, Sheela Pai Cole¹, Sam Rodriguez²
¹Stanford Hospital, Stanford, California; ²Lucile Packard Children’s Hospital; Stanford Hospital, Stanford, California

**TCSEM 231 (1331)**
**Inter-professional Simulation-based Education in Critical Care Medicine**

Meghan Brennan, Isaac Luria, Chris Giordano, Peggy White
University of Florida, Gainesville, Florida
Moderator: Piyush Mathur, MD, Cleveland Clinic, Cleveland, Ohio

TCSEM 233 (528)
Feasibility of Using a Remote Monitoring Technology to Build a Consultative Critical Care Service for High Risk Non-ICU Surgical Patients
Kyan C. Safavi¹, William Driscoll², Milcho Nikolov², Kalpan Tolia², Gopi Gogada³, Sunil Eappen¹, Kevin K. Tremper¹, Jeanine P. Wiener-Kronish²
¹Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts; ²Massachusetts General Hospital, Boston, Massachusetts; ³Massachusetts Eye and Ear Infirmary, Boston, Massachusetts; ⁴University of Michigan Medicine, Ann Arbor, Michigan

TCSEM 234 (713)
Comparisons of the Endobronchial Segment of Left-Sided Double-Lumen Tubes
Zen’ichiro Wajima¹, Kazuyuki Imanaga², Toshiya Shiga³, Takahisa Nishiyama¹, Hiroyuki Uchino¹
¹Tokyo Medical University, Tate-machi, Tokyo, Japan; ²Shonan Kamakura General Hospital, Kamakura, Kanagawa; ³International University of Health and Welfare, Narita-shi, Chiba

TCSEM 235 (743)
Efficacy of Bispectral Index in Reducing Intraoperative Awareness: A Meta-Analysis of Randomized Controlled Studies
Thomas Cheriyan¹, Kevin Bai¹, Anterpreet Dua¹, Vikas Kumar²
¹Augusta University Medical Center, Augusta, Georgia; ²Augusta University, Augusta, Georgia

BLD 236 (1199)
Efficacy of Intraoperative Cell Salvage in Spine Surgery: A Meta-analysis
Thomas Cheriyan¹, Thomas Errico², Anterpreet Dua¹, Vikas Kumar¹
¹Augusta University Medical Center, Augusta, Georgia; ²New York University-Hospital for Joint Diseases, New York, New York

Moderator: Francis DiPierro, MD, Cleveland Clinic, Cleveland, Ohio

CC 240 (1043)
Improving Multi-disciplinary Sign-out Upon Discharge from the SICU
Islaam Elnagar, Joanna Brenneman
Cleveland Clinic, Cleveland, Ohio

CC 241 (1387)
VV ECMO and Mycoplasma Pneumoniae Pneumonia
Katherine E. Hornack, Francis T. Lytle
University Hospitals Cleveland Medical Center, Cleveland, Ohio

T 242 (590)
Severe Hemorrhagic Shock is Associated with Reduced TEG Maximum Amplitude in Human Traumatic Injury
Michael W. Russell¹, Jennifer Knapp¹, Gregory Schaefer¹, Katherin Sproul¹, Marcus R. Bruce¹, Eugenie Jackson², Michael Regier²
¹West Virginia University School of Medicine, Morgantown, West Virginia; ²West Virginia University School of Public Health, Morgantown, West Virginia
**Group 13: Critical Care and Trauma, continued**

**T 243 (937)**
Cervical Spine Clearance in Patients with Unreliable Clinical Exam: Delays and Complications
Josefine S. Baekgaard¹, Trine G. Eskesen¹, Jacob Steinmetz¹, Lars S. Rasmussen¹, David King², George C. Velmahos²
¹Rigshospitalet, Copenhagen, Copenhagen; ²Massachusetts General Hospital, Boston, Massachusetts

**T 244 (944)**
Supplemental Oxygen for Trauma Patients – Current Practice in Two Trauma Centers
Trine G. Eskesen¹, Josefine S. Baekgaard¹, Rasmus E. Christensen¹, Jae Moo Lee², George C. Velmahos², Jacob Steinmetz¹, Lars S. Rasmussen¹
¹Rigshospitalet, Copenhagen, Denmark; ²Massachusetts General Hospital, Boston, Massachusetts

**T 245 (1330)**
Pre-Hospital Vital Signs Thresholds for Prediction of Emergency Blood Transfusion in < 55 year Old versus Older Trauma Patients
Peter F. Hu, Yao Li, Colin Mackenzie, Shiming Yang, Catriona Miller, Peter Rock
University of Maryland School of Medicine, Baltimore, Maryland

---

**Group 14: Medically Challenging Cases, Metabolism and Perioperative Care, Obesity, and Obstetric Anesthesiology**

**Moderator: Madiha Syed, MD, Cleveland Clinic, Cleveland, Ohio**

**MPC 248 (650)**
Acute Adrenal Insufficiency After Anti-emetic Dose of Dexamethasone
Andres Bacigalupo Landa, Jayanand D’Mello
Mount Sinai Medical Center, Miami Beach, Florida

**MPC 249 (786)**
The Effects of Major Hepatobiliary Surgery and General Anesthesia on Skeletal Muscle Mitochondrial Respiration: A Pilot Study
Jia Liu Stevens¹, Daniel Martin¹, Helen McKenna¹, Andrew Murray², Gavin Jell¹
¹University College London, London, England; ²University of Cambridge, Cambridge, England

---

**O 250 (835)**
Paternal BMI Affects Neonatal Weight: A Retrospective Study
Danielle Levin, Shaul Cohen, Scott Mellender, Rong Zhao, Adil Mohiuddin, Ushma Shah, Geza Kiss
Rutgers – Robert Wood Johnson Medical School, New Brunswick, New Jersey

**MCC 251 (839)**
Successful Anesthetic Management of a Patient with Multiple Trauma and Severe Hypothermia: A Case Report
Danielle Levin, Shaul Cohen, Scott Mellender, Preet Patel, Adil Mohiuddin, Ushma Shah, Geza Kiss
Rutgers – Robert Wood Johnson Medical School, New Brunswick, New Jersey

**OB 252 (753)**
Transcutaneous P6 Acupoint Electrical Stimulation Prevents Both Nausea and Vomiting During Elective Cesarean Section Under Combined Spinal-Epidural, a Randomized Control Clinical Trial
Danielle Levin, Shaul Cohen, Scott Mellender, Adil Mohiuddin, Rong Zhao, Geza Kiss, Enrique Pantin
Rutgers – Robert Wood Johnson Medical School, New Brunswick, New Jersey

**OB 253 (799)**
Does the Application of Scopolamine Patch with Intra-operative Acupressure Point P6 Stimulation Increase Parturients’ Intra-Cesarean Satisfaction? Prospective Randomized Clinical Trial
Danielle Levin, Shaul Cohen, Scott Mellender, Adil Mohiuddin, Ushma Shah, Rong Zhao, Geza Kiss
Rutgers – Robert Wood Johnson Medical School, New Brunswick, New Jersey
Group 15: Geriatric Anesthesia and Pediatric Anesthesiology

Moderator: Ronald Pauldine, MD, University of Washington, Seattle, Washington

GA 255 (558)
Long-term Caregiving is Associated with Impaired Cardiovagal Baroreflex – Implications on Anesthesia Care
Kevin K. Wu1, Taylor Bos2, Brent Mausbach2, Igor Grant2
1Frank H. Netter MD School of Medicine at Quinnipiac University, Hamden, Connecticut; 2San Diego State University; University of California, San Diego School of Medicine, San Diego, California

GA 256 (1344)
Cognitive and Physical Exercise Prehabilitation to Improve Outcomes in Surgical Patients
Kimberly Rengel1, Nitin Mehdiratta2, Susan Vanston1, Kristin Swygert1, Jim Jackson3, Pratik Pandharipande1, Christopher G. Hughes1
1Vanderbilt University Medical Center, Nashville, Tennessee; 2Duke University, Durham, North Carolina; 3Vanderbilt University School of Medicine, Nashville, Tennessee

PED 257 (548)
Perioperative Outcomes and Management in LeFort III Midface Advancement Surgery: A Multicenter Study from the Pediatric Craniofacial Collaborative Group
Chris D. Glover1, Allison M. Fernandez2, Henry Huang1, Nicholas M. Dalesio1, John Zhong4, Wendy Binstock5, Paul A. Stricker6
1Baylor College of Medicine, Houston, Texas; 2Johns Hopkins All Children’s Hospital, St. Petersburg, Florida; 3Johns Hopkins University, Baltimore, Maryland; 4Children’s Medical Center, Dallas, Texas; 5University of Chicago, Chicago, Illinois, 6The Children's Hospital of Philadelphia; Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania

PED 259 (845)
Comparison of Endotracheal Intubation vs. Natural Airway During Endoscopic Foreign Body Removal
Jacquelin Peck, Aditi Dey, Sorany Son, Sharon Ghazarian, Michael Wilsey, Mohamed Rehman
Johns Hopkins All Children’s Hospital, St. Petersburg, Florida

Group 16: Economics, Education and Policy, Global Health, and Patient Safety

Moderator: Peter Boysen, MD, MBA, University of Queensland/Ochsner Clinical School, Brisbane, Australia

EEP 262 (508)
Academic Contributions of United States Anesthesiologists to Critical Care Medicine
Jesse J. Kiefer1, Michael A. Mazzeffi2, Samuel Galvagno2, Alexander Cartron2
1Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania; 2University of Maryland School of Medicine, Baltimore, Maryland

EEP 263 (700)
Perspective on Leadership and Millennial Physicians
Marianne H. Gelter1, Phillip Boysen2
1Ochsner Clinic Foundation, New Orleans, Louisiana; 2University of Queensland Ochsner Clinical School, New Orleans, Louisiana

GH 264 (1289)
A Study examining Antimicrobial Resistance and Consumption Trends Using DRI
Bishnu P. Panigrahi
Fortis Healthcare, Faridabad, Haryana, India

PS 265 (958)
Disruptive Intraoperative Behavior: Reporting to Management and Satisfaction with Management’s Response
Ian Fast1, Alexander Villafranca1, Bernadette Henrichs2, Kirby Magid3, Chris Christodoulou1, Eric Jacobsohn1
1University of Manitoba, Winnipeg, Manitoba, Canada; 2Washington University, St. Louis, Missouri
Group 16: Economics, Education and Policy, Global Health, and Patient Safety, continued

PS 266 (960)
Implementing a Standardized Sign-out Process in Cardiovascular ICU
Monica I. Lupei1, Belinda Lee1, Nishkruti Munshi1, Alexander M. Kaizer2, Joyce Wahr1
1University of Minnesota, St. Paul, Minnesota; 2University of Colorado, Denver, Colorado

PS 267 (1284)
Supraclavicular Brachial Plexus Block Analgesia With or Without Perineural Dexamethasone for Creation of Arteriovenous Fistula in End-Stage Renal Disease Patients
Indu M. Sen, Aparna Pande, Ashish Sharma
Postgraduate Institute of Medical Education and Research, Chandigarh, India

Group 17: Medically Challenging Cases

Moderator: Breandan Sullivan, MD, University of Colorado School of Medicine, Aurora, Colorado

MCC 269 (488)
Fatal Exertional Rhabdomyolysis: A Devastating Complication of Sickle Cell Trait and Drastic Weight Cutting
Kadhiresan R. Murugappan, Akiva Leibowitz
Beth Israel Deaconess Medical Center, Boston, Massachusetts

MCC 270 (489)
Toxic Flowers and Aconite Poisoning: A Case of Critical Illness after Chinese Herbal Tea
Michael J. Jung1, Ahmed M. Shalabi2, Manuel Pardo2
1University of California, San Francisco Medical Center, San Francisco, California; 2University of California, San Francisco School of Medicine, San Francisco, California

MCC 271 (505)
Intraoperative Placement of Prone Femoral Central Venous Catheter in a Patient with Hemorrhagic Cerebral Arteriovenous Malformation
Zuhair Siddiqui1, Julia B. Sobol12, Yefim Vilnits1
1Columbia University, New York, New York; 2New York-Presbyterian Hospital, New York, New York

Group 17: Medically Challenging Cases, continued

MCC 272 (522)
Rhabdomyolysis After Robotic Nephrectomy
Kelsey J. Corle, Francis T. Lytle
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 273 (529)
A Novel Association of Juvenile Polyposis Syndrome with Atrial Septal Aneurysm and Patent Foramen Ovale
Melanio Bruceta, Luisa M. De Souza, Kunal Karamchandani, Anthony Bonavia, Zyad Carr
Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania

MCC 274 (552)
Perioperative Management of Orthotopic Liver Transplant for Intrahepatic Cholestasis in Sickle Cell Disease
Sarah Burke, Katherine Nugent
Emory University School of Medicine, Atlanta, Georgia

Group 18: Medically Challenging Cases

Moderator: Avneep Aggarwal, MD, Cleveland Clinic, Cleveland, Ohio

MCC 276 (568)
Management Considerations in a Patient with Repeated Posterior Circulation Strokes Refractory to Medical Therapy
Tao Shen, Judy H. Ch’ang, Jeffrey Gotts
University of California, San Francisco School of Medicine, San Francisco, California

MCC 277 (595)
Challenges in Management of Clostridium Difficile Infection in a Patient with Durable Left Ventricular Assist Device
Naila Mammadova, Kimberly S. Robbins
University of California, San Diego School of Medicine, San Diego, California

MCC 278 (624)
Postoperative STEMI in a Critically Ill Patient
Lucille Brunker, Liza M. Weavind
Vanderbilt University Medical Center, Nashville, Tennessee
MCC 279 (630)
Complications Following Lumbar Drain Placement For Thoracic/Thoracoabdominal Aortic Aneurysm Repair: Two Case Reports and Literature Review
Matthew G. Broyles, Weifeng Song, Benjamin Tuck, Michelle Downing, Thomas Moore, David Miller
University of Alabama at Birmingham, Birmingham, Alabama

MCC 280 (635)
Subclavian Steal Phenomenon Following TEVAR for an Aorto-bronchial Fistula in a Patient with Situs Inversus Harikesh Subramanian, Mary Jarzebowski
Henry Ford Health System, Detroit, Michigan

MCC 282 (637)
PICC Line Challenge
Pavel Baldyuev, Laurie Davies
University of Florida, Gainesville, Florida

MCC 283 (642)
IVC Tumor Thrombectomy Complicated by Air Embolism; ECMO Salvage
Eric R. Leienederke⁴, Dawn Durre³, Micah Long², Douglas Coursin⁴
¹University of Wisconsin Hospital and Clinics, Madison, Wisconsin; ²University of Wisconsin, Madison, Wisconsin

MCC 284 (648)
Management of Hypoxia During Centrally Cannulated VA ECMO
Brent Kidd, Michael Stentz
Emory University School of Medicine, Atlanta, Georgia

MCC 285 (653)
Massive Hepatic Hematoma Caused by HELLP Syndrome
Theresa J. Barnes, Avnee Aggarwal
Cleveland Clinic Foundation, Cleveland, Ohio

MCC 286 (862)
Hemophagocytic Lymphohistiocytosis – A Diagnostic Conundrum
Theresa J. Barnes, Faith N. Factora, Avnee Aggarwal
Cleveland Clinic Foundation, Cleveland, Ohio

MCC 287 (671)
Chronic Skull Base Erosion from Temporomandibular Joint Disease Causes Generalized Seizure and Profound Lactic Acidosis
Mark A. Dobish, David Wyler, Hermandeep Dhami, Victor Romo, Christopher Farrell, Michael Mahla
Thomas Jefferson University Hospital, Philadelphia, Pennsylvania

MCC 288 (672)
Chronic Skull Base Erosion from Temporomandibular Joint Disease Causes Generalized Seizure and Profound Lactic Acidosis
Mark A. Dobish, David Wyler, Hermandeep Dhami, Victor Romo, Christopher Farrell, Michael Mahla
Thomas Jefferson University Hospital, Philadelphia, Pennsylvania

MCC 289 (674)
When the Pulmonary Embolus From Outside Hospital Isn’t Really a Pulmonary Embolus: Point-of-Care Echocardiographic Detection of Severe Cardiomyopathy
James Harris, Daniel Johnson
University of Nebraska Medical Center, Omaha, Nebraska

MCC 290 (675)
Perioperative Heart Failure in a Young Woman: A Case of Non-compaction Cardiomyopathy
Tina Law, Madiha Syed
Cleveland Clinic Foundation, Cleveland, Ohio

MCC 291 (1379)
ICU Management After Rescue Hepatectomy for Primary Allograft Non-function
Tina Law, David R. Jury
Cleveland Clinic Foundation, Cleveland, Ohio

MCC 292 (678)
Labile Factor VIII Activity in a Patient with Hemophilia A Undergoing On-Pump Coronary Artery Bypass Grafting
Kristin Wakin, Archana Ramesh, Ellen Roberts, James Sullivan
University of Nebraska Medical Center, Omaha, Nebraska
A Case Report: Acute, Benign Superior Vena Cava Syndrome: Is it Critical?
Connor McNamara, Joanna M. Brenneman, Hoang Lim, Roshni Sreedharan
The Cleveland Clinic Foundation, Cleveland, Ohio

Cardiac Tamponade Following Orthotopic Liver Transplantation: Two Case Reports
Caroline R. Gross, Peter Downey, Julia Sobol
Columbia University/New York-Presbyterian Hospital, New York, New York

Right Sided Pneumothorax Resulting in ST-segment Depression After Coronary Artery Bypass Grafting Surgery
Habib Srour, Matthew Firestone
University of Kentucky, Lexington, Kentucky

Severe Streptococcal Necrotizing Fasciitis Treated with Intravenous Immunoglobulin Therapy in the Intensive Care Unit
Ashley R. Dahl, Thomas M. Stewart
Mayo Clinic Rochester, Rochester, Minnesota

Not All Effusions Need Drainage at 2 AM: Point-of-Care Echocardiography to Prevent Unnecessary Emergency Pericardiocentesis
Danielle C. Cummins, Daniel Johnson
University of Nebraska Medical Center, Omaha, Nebraska

Pneumothorax versus Rapidly Expanding Bulla Following Mechanical Ventilation in a Patient with Loeys-Dietz Syndrome: A Case Report
Samantha Go, Mallori Jirikovic, Ryan J. Fink
Oregon Health and Science University, Portland, Oregon

Successful Management of Severe Inhalation Injury Secondary to Sulfuric Acid with Veno-Venous Extracorporeal Membrane Oxygenation
Hemanckur Makker, Craig S. Jabaley
1Emory University School of Medicine, Atlanta, Georgia; 2Emory University Hospital, Atlanta, Georgia

How Findings on Transesophageal Echocardiography Can Change the Surgical Approach for Management of a Pericardial Effusion from Penetrating Chest Trauma
Patrick J. Coleman, Matthew D. Read
San Antonio Military Medical Center, San Antonio, Texas

Utilization of Veno-Arterial Extracorporeal Membrane Oxygenation in Acute Massive Pulmonary Embolism: A Case Report
Jonathan Tang, S. V. Satyapriya, Amar M. Bhatt
Ohio State University Wexner Medical Center, Columbus, Ohio

Boating Accident Resulting in Polytrauma Requiring Double Lumen Tube Placement with Two Ventilator Strategy
Jeremy Rainey, Hess Robertson
University of Mississippi Medical Center, Jackson, Mississippi
Group 22: Medically Challenging Cases, continued

MCC 306 (828)
Development of Meningitis After Severe Head Trauma Treated with a Course of Prophylactic Antibiotics
Shanterian Hester, Philip Smith
Jackson Memorial Hospital – University of Miami Health System, Miami, Florida

Group 23: Medically Challenging Cases, continued

MCC 312 (673)
Right Ventricular Assist Device Placement For Acute Right Ventricular Failure After Heart Transplantation: Echocardiographic Guidance Throughout the Perioperative Process
Megan Hedlund, Daniel Johnson
University of Nebraska Medical Center, Omaha, Nebraska

MCC 307 (831)
Placement of a Dialysis Catheter Leading to Lethal Cardiac Tamponade
Jenna Zauk¹, Thomas J. Papadimos²
¹University of Toledo Medical Center, Toledo, Ohio; ²The University of Toledo College of Medicine and Life Sciences, Toledo, Ohio

MCC 313 (892)
Case Report: Pre and Perioperative Considerations in a Patient with Cold Temperature-induced Anaphylaxis and recently diagnosed Hereditary Angioedema
Allen Saks¹, Michelle Kars²
¹Donald and Barbara Zucker School of Medicine at Hofstra, Lake Success, New York; ²Northwell Health System, New Hyde Park, New York

MCC 308 (855)
Penetrating Atherosclerotic Ulcer of the Ascending Aorta: A Case Report
Yen K. Chau¹, Jose Humanez²
¹University of Alabama, Birmingham, Alabama; ²University of Alabama at Birmingham Hospital, Birmingham, Alabama

MCC 314 (895)
Critical Care Genetics: A Case of Severe Hyperammonemia due to an Adult-Onset Urea Cycle Disorder
Shawn Jia, Vincent Auyeung, Jon M. Aldrich
University of California, San Francisco School of Medicine, San Francisco, California

MCC 310 (860)
Extensive Necrotizing Soft Tissue Infection Resulting in Pulmonary Air Embolism and Cardiac Arrest
Lakshmi C. Penugonda, Navneet Grewa
University of Texas, Houston, Houston, Texas

MCC 316 (900)
Treatment of Eosinophilic Myocarditis with Extracorporeal Membrane Oxygenation: A Case Report
Nicholas Tooley¹, Matthew Armstrong²
¹Michigan State University College of Human Medicine, Grand Rapids, Michigan; ²Anesthesiology and Critical Care Anesthesia Practice Consultants, PC, Grand Rapids, Michigan

MCC 311 (889)
Thromboelastography (TEG)-guided Hemodynamic Resuscitation in a Patient with Severe Hemorrhagic Coagulopathy with Acquired Hemophagocytic Lymphohistiocytosis Related to Epstein-Barr Virus
Megan Hedlund, Daniel Johnson
University of Nebraska Medical Center, Omaha, Nebraska

MCC 317 (922)
Using a Novel Protocol to Standardize Weaning from Venovenous Extracorporeal Membranous Oxygenation (VV ECMO), A Case Report
Jordan Siscel, David Douin, Thomas Scupp, William K. Cornwell, Christopher Pierce, Breandan Sullivan
University of Colorado Denver School of Medicine, Denver, Colorado
MCC 318 (925)
Successful Treatment of Recurrent Chronic Scrotal Pain Secondary to Post Laminectomy Syndrome with Spinal Cord Stimulation
Matthew M. Skoblar, Brian Monroe, Ahmed Shaik
Geisinger Medical Center, Danville, Pennsylvania

MCC 319 (927)
Diagnosis and Management of Subclavian-Esophageal Fistula
Daniel Diaczok, James L. Hill
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 320 (930)
Prone Positioning and VV ECMO for Severe ARDS Due to Wegener’s Pulmonary Granulomatosis
Francesco Caporusso, Emily T. Poynton, Joti J. Mucci
University Hospitals Cleveland Medical Center, Cleveland, Ohio

Group 25: Medically Challenging Cases

Moderator: Nicholas Sadovnikoff, MD, Brigham and Women's Hospital, Boston, Massachusetts

MCC 322 (934)
Hemodynamic Instability in Late Pericardial Tamponade Post LVAD Placement: A Case Report
Elio Beta, Vikram Bajwas, Shahriar Shayan
McGaw Medical Center of Northwestern University, Chicago, Illinois

MCC 323 (948)
An Unexpected Infection: A Case of Neurobrucellosis
Benjamin T. Kor¹, Daniel Ermann², Rouhin Sen², Renuga Vivekanandan²
¹Creighton University School of Medicine, Omaha, Nebraska; ²Creighton University Bergan Mercy, Omaha, Nebraska

MCC 324 (949)
Management of Scimitar Syndrome in Two Pregnant Patients
Laura Lombardi-Karl, Suzanne Mankowitz
Columbia University Medical Center, New York, New York

MCC 325 (963)
Cold Agglutinins in a Patient Undergoing Aortic Arch Repair: A Case Report
Tatsuhiko Ogawa, Taketoshi Namba
Kochi Health Sciences Center, Kochi, Japan

MCC 326 (972)
Case Report: Rapidly Changing Clinical Picture in a 25 Year Old with Ehler’s Danlos IV
John M. Medrick
Cleveland Clinic Foundation, Cleveland, Ohio

MCC 327 (980)
Successful Management of Serotonin Release Syndrome Caused by Methylene Blue After Orthotopic Heart Transplant with Dexmedetomidine
Derek Rizzo¹, Luke Liang¹, Mary Jarzebowski², Abbas Al-Qamari¹
¹Northwestern University Feinberg School of Medicine, Chicago, Illinois; ²Henry Ford Health System, Detroit, Michigan

Group 26: Medically Challenging Cases

Moderator: Beth Teegarden, MD, The University of Texas Medical Branch at Galveston, Galveston, Texas

MCC 330 (983)
Surviving Severe Metabolic Acidosis: Case Report of Hickam’s Dictum in Acidosis
Hoang Lim, Connor McNamara, Avneep Aggarwal, Ahmad Abou Leila
The Cleveland Clinic Foundation, Cleveland, Ohio

MCC 331 (985)
Should We Pre-emptively Treat Pericarditis Following Penetrating Chest Trauma?
Heather Barkin, Miguel Cobas, Alexander C. Fort
University of Miami, Miami, Florida

MCC 332 (998)
Cyclosporine-induced Posterior Reversible Encephalopathy Syndrome (PRES)
Abdalhai Alshoubi, Roshni Sreedharan
The Cleveland Clinic Foundation, Cleveland, Ohio
Group 26: Medically Challenging Cases, continued

MCC 333 (1075)
Perioperative Takotsubo Cardiomyopathy
Abdalhai Alshoubi, Avneep Aggarwal, Ahmad Abou Leila
The Cleveland Clinic Foundation, Cleveland, Ohio

MCC 334 (1001)
Delayed Presentation of Post-extubation Stridor Necessitating ICU Admission
Alexandra Wright, Avneep Aggarwal
The Cleveland Clinic Foundation, Cleveland, Ohio

Group 27: Medically Challenging Cases

Moderator: Kevin Thornton, MD, University of California, San Francisco School of Medicine, San Francisco, California

MCC 336 (1045)
Management of a GI bleed and STEMI in a Patient with Essential Thrombocytosis
Nandini C. Palaniappa, Jon M. Aldrich
University of California, San Francisco School of Medicine, San Francisco, California

MCC 338 (1080)
Management of Severe Fire-related Inhalation Injury with Venovenous Extracorporeal Membrane Oxygenation: A Case Report
Grant J. Heydinger, Aalok K. Kacha, Vijal Patel
The University of Chicago Medicine, Chicago, Illinois

MCC 340 (1110)
VA ECMO for Acute Mitral Regurgitation Leading to Aortic Root Thrombus And Subsequent Management
Aaron Mittel1, Derek J. Atkinson1, Andrea N. Miliades1, May Hua2
1Columbia University Medical Center, New York, New York; 2Columbia University, New York, New York

MCC 341 (1021)
To Lyse or Not to Lyse: Marked Prolongation of the INR and Massive Pulmonary Embolus
Paul Gallo, Micah Long, Douglas Coursin, Laura Hammel
University of Wisconsin, Madison, Wisconsin

Group 28: Medically Challenging Cases

Moderator: Daniel Brown, MD, PhD, Mayo Clinic, Rochester, Minnesota

MCC 343 (1128)
A Case of Unexplained Septic Shock
Jaclyn Yeung, Laurie Mark
Rush University Medical Center, Chicago, Illinois

MCC 344 (1129)
Management of Endotracheal Glomus Tumor in a Morbidly Obese Patient Requiring Intraoperative ECMO Support
Carolyn Heeder, Jessica Tashjian, Lundy Campbell
University of California, San Francisco School of Medicine, San Francisco, California

MCC 345 (1131)
Aortic Valve Repair and Ascending Aortic Graft Replacement Complicated by Exacerbation of Systolic Anterior Motion of the Mitral Valve Requiring Emergent Replacement and Myomectomy
John B. Silva1, Shahriar Shayan2
1Northwestern Memorial Hospital, Chicago, Illinois; 2McGaw Medical Center of Northwestern University, Chicago, Illinois

MCC 346 (1143)
Unexplained Persistent Hypotension in a Patient with Fragile X, Prader-Willi Phenotype
Emily T. Poynton, Mada Helou
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 347 (1145)
Povidone-Iodine Disruption of Tracheobronchial Tree after Mediastinal Washing
Emily T. Poynton, James L. Hill
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 348 (929)
VA ECMO for VSD
Emily T. Poynton, Joti J. Mucci
University Hospitals Cleveland Medical Center, Cleveland, Ohio
### Group 28: Medically Challenging Cases, continued

**MCC 350 (1148)**  
*Severe Hypoxia and Compartment Syndrome in a Patient with Sickle Cell Trait After Re-Do Aortic Valve Replacement*  
Vanessa Moll, Amanda Spiritos, Milad Sharifpour, Simon C. Lee  
*Emory University School of Medicine, Atlanta, Georgia*

### Group 29: Medically Challenging Cases

**Moderator: Taylor Johnston, MD, Columbia University, New York, New York**

**MCC 351 (1157)**  
*Compartment Syndrome as a Complication of Invasive Blood Pressure Monitoring in Patients Receiving Catheter Directed Thrombolysis*  
Syed Z. Ali, Cheryl Richie, Joseph Bobadilla, Annette Rebel  
*University of Kentucky College of Medicine, Lexington, Kentucky*

**MCC 352 (1163)**  
*Is the Tracheostomy Working? – Medically Challenging Case Presentation*  
Syed Z. Ali, Zohn Centimole  
*University of Kentucky College of Medicine, Lexington, Kentucky*

**MCC 353 (1191)**  
*Eastern Equine Encephalitis: A Dangerous Dark Horse in Organ Transplantation*  
Matthew Wielking¹, Joel Zivot²  
¹Emory University School of Medicine, Atlanta, Georgia; ²Emory University Hospital, Atlanta, Georgia

**MCC 354 (1197)**  
*Case Report of Acute Central Nervous System Graft versus Host Disease in a Liver Transplant Patient*  
Christine Acho¹, Heidi Davis¹, Robert Acho¹, Dragos M. Galusca²  
¹Henry Ford Hospital, Detroit, Michigan; ²Henry Ford Health System, Detroit, Michigan

### Group 30: Medically Challenging Cases

**Moderator: David W. Barbara, MD, Mayo Clinic, Rochester, Minnesota**

**MCC 355 (1198)**  
*Successful Management of Perioperative Massive Amniotic Fluid Embolism*  
Nat Dumrongmongcolgul, Avneep Aggarwal  
*The Cleveland Clinic Foundation, Cleveland, Ohio*

**MCC 356 (662)**  
*Management of a Patient with Impulse Control Disorder Admitted with Foreign Body Ingestion*  
Nat Dumrongmongcolgul, Praveen Chahar  
*The Cleveland Clinic Foundation, Cleveland, Ohio*

**MCC 358 (1210)**  
*Utilization of IVlg for Treatment of Heparin-Induced Thrombocytopenia in a Patient with Stanford Type B Aortic Dissection*  
Justinn Tanem¹, Christofer D. Barth²  
¹Medical College of Wisconsin, Milwaukee, Wisconsin; ²Aurora St. Luke’s Medical Center, Wauwatosa, Wisconsin

**MCC 359 (1214)**  
*Metastatic Intracardiac Synovial Sarcoma: Case Report*  
Rebecca M. Bauer¹, Eunie Yook², Jin Jung², Edward Y. Chan¹, Kamlesh Thaker¹, Michael J. Reardon¹  
¹Houston Methodist Hospital, Houston, Texas; ²University of Texas at Houston, Houston, Texas

**MCC 360 (1216)**  
*An Uncommon and Rare Complication: The Atrioesophageal Fistula*  
Raina Khan, Ibukunoluwa Adeleke  
*Northwestern University Feinberg School of Medicine, Chicago, Illinois*
Moderated Poster Discussion Session
Friday, April 27, 2018 • 3:00 pm – 3:45 pm

Group 31: Medically Challenging Cases

Moderator: Miguel Cobas, MD, FCCM, University of Miami, Jackson South Community Hospital, Miami, Florida

MCC 364 (1254)
New Left Ventricular Failure Following Double Lung Transplantation in a Patient with Severe Pulmonary Hypertension
Todd A. Dodick¹, Matthew Bacchetta¹, Marc Dickstein²
¹Columbia University Medical Center; New York-Presbyterian Hospital, New York, New York; ²Columbia University, New York, New York

MCC 365 (1320)
Pyoderma Gangrenosum Mimicking Necrotizing Fasciitis – A Potentially Fatal Misdiagnosis
Amanda L. Koszewski, Joti J. Mucci, Nicholas Pesa, Erik Bergersen
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 366 (1361)
New Anterior Mediastinal Mass Discovered Day of Surgery: A Case Report
John Kroger, Lakshmi Gudimella
The University of Texas Medical Branch, Galveston, Texas

MCC 367 (1378)
Itching and Amniotic Fluid Embolism with Circulatory Collapse in a Full Term Pregnant Patient
Azfar Niazi¹, Partha J. Saha¹, Paul W. Minko¹, Assad Ali¹, Kavita Elliott¹, Eric Chiang², Jia Liu², Sabry Ayad²
¹Cleveland Clinic, Cleveland, Ohio; ²Cleveland Clinic Fairview Hospital, Cleveland, Ohio

Group 32: Medically Challenging Cases, continued

MCC 369 (1409)
Hypertension Associated with Dexmedetomidine: A Rare but Known Response
Howard Lee, Hak Wong
Northwestern Memorial Hospital, Chicago, Illinois

Group 32: Medically Challenging Cases, continued

MCC 370 (1412)
Propofol Infusion Syndrome in a Patient with Refractory Status Epilepticus: Report of a Medically-Challenging Case
Jeffrey D. Davis, Ines P. Koerner
Oregon Health & Science University, Portland, Oregon

MCC 371 (1421)
Ethical Conflicts in Extracorporeal Membrane Oxygenation: A Case Report
Elizabeth McIntyre, Elio Beta, Rachel Kadar
McGaw Medical Center of Northwestern University, Chicago, Illinois

MCC 372 (1433)
Therapeutic Nasogastric Tube Placement for Management of Tamponade Physiology: A Case Report
Elliott Woodward, Nandini C. Palaniappa, Kevin Thornton
University of California, San Francisco School of Medicine, San Francisco, California

Group 33: Neuroscience in Anesthesiology and Perioperative Medicine

Moderator: Andrea Tsai, MD, Tufts Medical Center, Boston, Massachusetts

NR 375 (621)
Neonatal Disruption of PSD-95 PDZ Domain-mediated Protein-protein Interactions Alters Dendritic Spine Morphology, Long-term Potentiation, and Causes Deficits in Learning and Memory in Mice
Michele L. Schaefer, Meina Wang, Patric Perez, Jing Xu, Reilley P. Mathena, Roger A. Johns
Johns Hopkins University School of Medicine, Baltimore, Maryland
Group 33: Neuroscience in Anesthesiology and Perioperative Medicine, continued

NR 376 (771)
The Association between Angiotensin Converting Enzyme Inhibitors and Angiotensin Receptor Blocker Use and the Incidence of Delirium in Surgical ICU Patients
Christopher Sheerer, Jacob Ezell, Maged Y. Argalious, Wael Ali Sakr Esa, Daniel I. Sessler, Nicole Zimmerman, Ehab Farag
Cleveland Clinic Foundation, Cleveland, Ohio

NR 378 (840)
Sevoflurane Interferes Cell Cycle Through Inhibition of Wnt/β-catenin Signaling Pathway in Mouse Neural Stem Cells
Shiwen Liu
Shanghai Zhongshan Hospital, Shanghai, China

NR 379 (1057)
Perioperative Trajectory of Alzheimer’s Disease Biomarkers In Surgical Patients And Matched non-surgical Controls
Yee Ching Vanessa Cheong¹, Mary Cooter², Richard L. Huang³, Heather E. Whitson², Harvey J. Cohen², Joseph P. Mathew⁴, Miles Berger⁵
¹Duke-NUS Medical School, Singapore, Singapore; ²Duke University Medical Center, Durham, North Carolina; ³Duke University, Durham, North Carolina

NR 380 (1325)
Discriminative Capacity of EEG power for the Onset and Severity of Delirium in the Postoperative Period
Ying Jiang, Emma R. Trammel, Ginika Apakama, James W. Spencer, Troy Wildes, Michael Avidan, Ben Palanca
Washington University in St. Louis, St. Louis, Missouri

Group 34: Medically Challenging Cases, Neuroscience in Anesthesiology and Perioperative Medicine, and Perioperative Anesthesia

Moderators: Jean Charchafchleih, MD, MPH, DrPH, Yale School of Medicine, New Haven, Connecticut; and Stephen Surgener, MD, Dartmouth Hitchcock Health, Lebanon, New Hampshire

NR 382 (537)
Sugammadex Offers a new Option for Early Cessation of Neuromuscular Blockade to Facilitate Spinal Cord Evoked Potential Monitoring
Jackson M. Hylton, Michael Scott
Virginia Commonwealth University Health, Richmond, Virginia

NR 383 (953)
Power Spectrum and Frontal Alpha Band Activity Saturation predicts Loss of Response to Verbal Command in Older Adults During Anesthetic Induction with Propofol: A Diagnostic Test Approach
Carlos M. Fuentes, Juan C. Pedemonte, Andrea Sanchez, Martin Irani, Mohit Rana, Victor Contreras, Ignacio Cortinez
Pontificia Universidad Católica de Chile, Santiago de Chile, Chile

PA 384 (530)
Association of Age and Gender with Postoperative Respiratory Failure
Punit Singh, Ali Seifi
University of Texas Health Science Center San Antonio, San Antonio, Texas

PA 385 (555)
Association of Preoperative Anticholinergic Medication Exposure with Postoperative Healthcare Resource Use and Outcomes: A Population-Based Cohort Study
Deric B. Diep¹, Coralie Wong², Carl van Walraven¹, Daniel I. McIsaac¹
¹University of Ottawa, Faculty of Medicine, Ottawa, Ontario, Canada; ²The Ottawa Hospital Research Institute, Ottawa, Ontario, Canada

MCC 386 (1217)
Anesthetic Challenges of Emergency Gynecological Surgery in a Jehovah’s Witness with Fontan Circulation: A Case Report
Deric B. Diep, Malcolm Lucy, Ashraf Fayad
University of Ottawa, Ottawa, Ontario, Canada
MCC 387 (1220)
Transesophageal Echocardiography in the Intraoperative Management of Renal Cell Carcinoma with Inferior Vena Cava Thrombus: A Case Report
Deric B. Diep, Malcolm Lucy, Ashraf Fayad
University of Ottawa, Ottawa, Ontario, Canada

PA 388 (740)
The iShuddle: A Strategy to Decreases Turn-Over-Time by Improving Culture in the Operating Room
Richard J. Banchs¹, Molly Driscoll¹, Hokuto Nishioka²
¹The University of Chicago Medicine, Chicago, Illinois; ²University of Illinois Hospital, Chicago, Illinois

PM 390 (791)
Inflammatory Stress Response to Cytoreductive Surgery and Heated Chemotherapy
Guillermo Madrid, Katherine Pimient, Carlos A. Triana, Jairo Moyano, Maria Conchita Solórzano
Fundación Santa Fe de Bogotá, Bogotá, Cundinamarca

PM 391 (1235)
Role of Pain Specialists in Reducing Healthcare Costs for Patients with Chronic Pain
Jennifer Anderson¹, Kathryn Komaki¹, Steven Prakken¹, Lance Roy¹, Thomas Buchheit², John Hunting¹, Padma Guler²
¹Duke University Medical Center, Durham, North Carolina; ²Duke University School of Medicine, Durham, North Carolina

PM 392 (570)
Comparison of Postoperative Analgesic Effect of Preemptive Use of Tramadol Versus Ketamine in Laparoscopic Surgery
Xin Wang
The 4th Center Hospital, Tianjin, Tianjin

PM 393 (313)
Echocardiographic Assessment using Subxiphoid-only view (eASy) Compared to Focused transthoracic echocardiography (Fote) in the perioperative period: A Multicenter prospective Study
Kevin Emr¹, Nibras Bughrara², Johnathan R. Renew³, Jose Diaz-Gomez³, Kirti Sahu¹, Kevin Roberts²
¹Albany Medical Center, Albany, New York; ²Albany Medical College, Albany, New York; ³Mayo Clinic Florida, Jacksonville, Florida

PM 394 (1229)
Addition of Focused transthoracic echocardiography (FoTE) learning into existing Anesthesiology Residency Training Programs: A Prospective Multicenter Study of Blended Learning
Mercedes Meuli¹, Nibras Bughrara², Tanya Richvalsky², Mark Hamlin¹, Kirti Sahu¹, Kevin Roberts²
¹Albany Medical Center, Albany, New York; ²Albany Medical College, Albany, New York; ³University of Vermont Medical Center, Burlington, Vermont

PM 396 (1408)
Effect of Dexamethasone on Postoperative Pain Scores in a Resource-Limited Setting: A Randomized Double Blind Placebo Controlled Clinical Trial
Nodreen C. Ayupo, Emmanuel Ayeble, Fred Bulamba, Arthur Kwizera
Makerere University, Kampala, Uganda

PM 399 (1015)
A Nationwide Study of Dental Injuries in Relation to General Anesthesia
Rasmus E. Christensen, Josefine S. Baekgaard, Lars S. Rasmussen
Rigshospitalet, Copenhagen, Denmark
Moderator: Michael Urban, MD, Hospital for Special Surgery, New York, New York

PA 401 (1363)
The Risk of Severe Aortic Stenosis in Elective Non-Cardiac Surgery
Jay S. Han1, W. Scott Beattie2
1University Health Network, Toronto, Ontario, Canada; 2University of Toronto Faculty of Medicine, Toronto, Ontario, Canada

PA 402 (1370)
Impact of ICU Admission on the Perioperative Trajectory of Elderly Surgical Patients
Pakeezah Saadat, Romain Jouffroy, Yannick Le Manach
McMaster University, Hamilton, Canada

PA 403 (1371)
Post-Operative Sepsis: What is the Current Picture?
Amber N. Campbell1, George W. Williams1, Navneet Grewal2, Velvet Patterson1, Daniel Contreras1, Robert Wegner1, Rabail Chaudry3
1University of Texas, Houston-McGovern Medical School, Houston, Texas; 2University of Texas, Houston, Houston, Texas; 3University of Toronto, Toronto, Canada

PA 404 (1417)
General Anesthesia Alters Gut Microbiota Diversity and Composition in Mice
Mara A. Serbanescu1, Reilley P. Mathena1, Raul Cano2, Tasha Santiago-Rodriguez2, Theresa Hartsell1, Cyrus D. Mintz1
1Johns Hopkins School of Medicine, Baltimore, Maryland; 2Institute for Life Science Entrepreneurship, Union, New Jersey

PA 405 (1444)
Stroke Volume Assessment by Invasive Arterial Blood Pressure Tracing, SpO2 and Bioreactance: A Comparative Study
Jasper Wylleman1, Tina Maes1, Roxane Cool1, Michel Vervoort1, Jan Poelaert1,2
1UZ Brussel, Brussels, Belgium, 2Vrije Universiteit Brussel (VUB), Brussels, Belgium

Group 37: Perioperative Anesthesia, continued

Thank You SOCCA Exhibitors and Sponsors
The Society of Critical Care Anesthesiologists Board of Directors acknowledges with thanks the exhibitors and sponsors for the SOCCA 2018 Annual Meeting and Critical Care Update.
# Abstract Presenter Index

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Room/ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aali, Maral</td>
<td>CC 208</td>
</tr>
<tr>
<td>Acho, Christine</td>
<td>MCC 354</td>
</tr>
<tr>
<td>Aggarwal, Richa</td>
<td>CC 211</td>
</tr>
<tr>
<td>Ali, Syed</td>
<td>MCC 351</td>
</tr>
<tr>
<td>Alshoubi, Abdalhai</td>
<td>MCC 332</td>
</tr>
<tr>
<td>Ayupo, Nodreen</td>
<td>PA 398</td>
</tr>
<tr>
<td>Bacigalupo Landa, Andres</td>
<td>MPC 248</td>
</tr>
<tr>
<td>Baekgaard, Josefine</td>
<td>T 243</td>
</tr>
<tr>
<td>Baesch, Lynden</td>
<td>CC 226</td>
</tr>
<tr>
<td>Balduyeu, Pavel</td>
<td>MCC 282</td>
</tr>
<tr>
<td>Balzer, Felix</td>
<td>CA 181</td>
</tr>
<tr>
<td>Banchs, Richard</td>
<td>PA 388</td>
</tr>
<tr>
<td>Barkin, Heather</td>
<td>MCC 331</td>
</tr>
<tr>
<td>Barnes, Theresa</td>
<td>MCC 285</td>
</tr>
<tr>
<td>Bauer, Rebecca</td>
<td>MCC 359</td>
</tr>
<tr>
<td>Beta, Elio</td>
<td>MCC 322</td>
</tr>
<tr>
<td>Bilgili, Beliz</td>
<td>CC 192</td>
</tr>
<tr>
<td>Blair, Gregory</td>
<td>TCSEM 230</td>
</tr>
<tr>
<td>Brennan, Meghan</td>
<td>TCSEM 231</td>
</tr>
<tr>
<td>Broyles, Matthew</td>
<td>MCC 279</td>
</tr>
<tr>
<td>Brunker, Lucille</td>
<td>MCC 278</td>
</tr>
<tr>
<td>Burke, Sarah</td>
<td>MCC 274</td>
</tr>
<tr>
<td>Campbell, Amber</td>
<td>PA 403</td>
</tr>
<tr>
<td>Caporosso, Francesco</td>
<td>MCC 320</td>
</tr>
<tr>
<td>Caridi-Scheible, Mark</td>
<td>CC 213</td>
</tr>
<tr>
<td>Caylor, Jacob</td>
<td>AM 160</td>
</tr>
<tr>
<td>Chanan, Emily</td>
<td>CC 201</td>
</tr>
<tr>
<td>Chau, Yen</td>
<td>MCC 309</td>
</tr>
<tr>
<td>Che, Lu</td>
<td>AM 161</td>
</tr>
<tr>
<td>Cheong, Yee Ching Vanessa</td>
<td>NR 379</td>
</tr>
<tr>
<td>Cheriyian, Thomas</td>
<td>BLD 236</td>
</tr>
<tr>
<td>Christensen, Rasmus</td>
<td>PA 399</td>
</tr>
<tr>
<td>Coleman, Patrick</td>
<td>MCC 303</td>
</tr>
<tr>
<td>Corle, Kelsey</td>
<td>MCC 272</td>
</tr>
<tr>
<td>Cummins, Danielle</td>
<td>MCC 299</td>
</tr>
<tr>
<td>Dahl, Ashley</td>
<td>MCC 298</td>
</tr>
<tr>
<td>Davis, Jeffrey</td>
<td>MCC 370</td>
</tr>
<tr>
<td>Denny, Chris</td>
<td>CA 180</td>
</tr>
<tr>
<td>Diazcok, Daniel</td>
<td>MCC 319</td>
</tr>
<tr>
<td>Diep, Deric</td>
<td>MCC 386</td>
</tr>
<tr>
<td>Dobish, Mark</td>
<td>MCC 287</td>
</tr>
<tr>
<td>Dodick, Todd</td>
<td>MCC 364</td>
</tr>
<tr>
<td>Dong, Erik</td>
<td>CC 219</td>
</tr>
<tr>
<td>Dumrongmongcolgul, Nat</td>
<td>MCC 355</td>
</tr>
<tr>
<td>Echeverry, German</td>
<td>CC 185</td>
</tr>
<tr>
<td>Elnagar, Islaam</td>
<td>CC 240</td>
</tr>
<tr>
<td>Emr, Kevin</td>
<td>PA 395</td>
</tr>
<tr>
<td>Eskesen, Trine</td>
<td>T 244</td>
</tr>
<tr>
<td>Eydelman, Leon</td>
<td>CC 222</td>
</tr>
<tr>
<td>Fadayomi, Ayotunde</td>
<td>PA 394</td>
</tr>
<tr>
<td>Fast, Ian</td>
<td>PS 265</td>
</tr>
<tr>
<td>Fink, Ryan</td>
<td>CC 214</td>
</tr>
<tr>
<td>Fuentes, Carlos</td>
<td>NR 383</td>
</tr>
<tr>
<td>Gallo, Paul</td>
<td>MCC 341</td>
</tr>
<tr>
<td>Gelter, Marianne</td>
<td>EEP 263</td>
</tr>
<tr>
<td>Glover, Chris</td>
<td>PED 257</td>
</tr>
<tr>
<td>Go, Samantha</td>
<td>MCC 300</td>
</tr>
<tr>
<td>Groff, Robert</td>
<td>CC 216</td>
</tr>
<tr>
<td>Gross, Caroline</td>
<td>MCC 296</td>
</tr>
<tr>
<td>Gulur, Padma</td>
<td>PM 391</td>
</tr>
<tr>
<td>Harris, James</td>
<td>MCC 289</td>
</tr>
<tr>
<td>Hedlund, Megan</td>
<td>MCC 311</td>
</tr>
<tr>
<td>Heeder, Carolyn</td>
<td>MCC 344</td>
</tr>
<tr>
<td>Henley, Megan</td>
<td>CC 220</td>
</tr>
<tr>
<td>Herrick, Susan</td>
<td>CC 197</td>
</tr>
<tr>
<td>Hester, Shanterian</td>
<td>MCC 306</td>
</tr>
<tr>
<td>Heydinger, Grant</td>
<td>MCC 338</td>
</tr>
<tr>
<td>Hornack, Katherine</td>
<td>CC 241</td>
</tr>
<tr>
<td>Hylton, Jackson</td>
<td>NR 382</td>
</tr>
<tr>
<td>Jia, Shawn</td>
<td>MCC 314</td>
</tr>
<tr>
<td>Jiang, Ying</td>
<td>NR 380</td>
</tr>
<tr>
<td>Johnson, Angela</td>
<td>BLD 172</td>
</tr>
<tr>
<td>Jouffroy, Romain</td>
<td>PA 402</td>
</tr>
<tr>
<td>Jung, Michael</td>
<td>MCC 270</td>
</tr>
<tr>
<td>Karamchandani, Kunal</td>
<td>MCC 273</td>
</tr>
<tr>
<td>Katan, Ognjen</td>
<td>CC 210</td>
</tr>
<tr>
<td>Ke, Yunbo</td>
<td>BS 187</td>
</tr>
<tr>
<td>Khan, Raina</td>
<td>MCC 360</td>
</tr>
<tr>
<td>Khanna, Ashish</td>
<td>CC 199</td>
</tr>
<tr>
<td>Kidd, Brent</td>
<td>MCC 284</td>
</tr>
<tr>
<td>Kiefer, Jesse</td>
<td>EEP 262</td>
</tr>
<tr>
<td>Kim, David</td>
<td>RA 169</td>
</tr>
<tr>
<td>Kim, Junghyun</td>
<td>BLD 175</td>
</tr>
<tr>
<td>Kor, Benjamin</td>
<td>MCC 323</td>
</tr>
<tr>
<td>Kor, Nathan</td>
<td>BLD 176</td>
</tr>
<tr>
<td>Koszewski, Amanda</td>
<td>MCC 365</td>
</tr>
<tr>
<td>Presenter Name</td>
<td>Affiliation</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Kroger, John</td>
<td>MCC 366</td>
</tr>
<tr>
<td>Kuhlmann, Theresa</td>
<td>BLD 177</td>
</tr>
<tr>
<td>Kumar, Annandita</td>
<td>CC 215</td>
</tr>
<tr>
<td>Lane-Fall, Meghan</td>
<td>CC 206</td>
</tr>
<tr>
<td>Law, Tina</td>
<td>MCC 290 (675)</td>
</tr>
<tr>
<td>LeBlanc, Brooke</td>
<td>AM 159</td>
</tr>
<tr>
<td>Lee, Howard</td>
<td>MCC 369 (1409)</td>
</tr>
<tr>
<td>Leinendecker, Eric</td>
<td>MCC 283 (642)</td>
</tr>
<tr>
<td>Leopold, David</td>
<td>TCSEM 237 (1181)</td>
</tr>
<tr>
<td>Levin, Danielle</td>
<td>MCC 251 (839)</td>
</tr>
<tr>
<td>Lombardi-Karl, Laura</td>
<td>MCC 324 (949)</td>
</tr>
<tr>
<td>Lupei, Monica</td>
<td>PS 266</td>
</tr>
<tr>
<td>Madrid, Guillermo</td>
<td>PM 390</td>
</tr>
<tr>
<td>Makker, Hemanckur</td>
<td>MCC 301 (788)</td>
</tr>
<tr>
<td>Mammadova, Naira</td>
<td>MCC 277 (595)</td>
</tr>
<tr>
<td>McDonald, Michael</td>
<td>CC 195</td>
</tr>
<tr>
<td>McIntyre, Elizabeth</td>
<td>MCC 371 (1420)</td>
</tr>
<tr>
<td>McNamara, Connor</td>
<td>MCC 294 (683)</td>
</tr>
<tr>
<td>Medrick, John</td>
<td>MCC 326 (972)</td>
</tr>
<tr>
<td>Metzger, Anja</td>
<td>CA 179 (1058)</td>
</tr>
<tr>
<td>Meuli, Mercades</td>
<td>PA 396 (1229)</td>
</tr>
<tr>
<td>Mickus, Gregory</td>
<td>CC 202 (685)</td>
</tr>
<tr>
<td>Mittel, Aaron</td>
<td>MCC 340 (1110)</td>
</tr>
<tr>
<td>Murugappan, Kadhiresan</td>
<td>MCC 269 (488)</td>
</tr>
<tr>
<td>Nguyen, Khoa</td>
<td>TCSEM 229 (697)</td>
</tr>
<tr>
<td>Niazi, Azfar</td>
<td>MCC 367 (1378)</td>
</tr>
<tr>
<td>Ogawa, Tsuhiiko</td>
<td>MCC 325 (963)</td>
</tr>
<tr>
<td>Olsen, Joanna</td>
<td>RES 224 (686)</td>
</tr>
<tr>
<td>Palaniappa, Nandini</td>
<td>MCC 336 (1045)</td>
</tr>
<tr>
<td>Palmer, Louisa</td>
<td>CC 207 (965)</td>
</tr>
<tr>
<td>Panigrahi, Bishnu</td>
<td>GH 264 (1289)</td>
</tr>
<tr>
<td>Paparisto, Ergit</td>
<td>CC 193 (867)</td>
</tr>
<tr>
<td>Pascual-Ramirez, Javier</td>
<td>CC 221 (1089)</td>
</tr>
<tr>
<td>Pastor, Joshua</td>
<td>CC 223 (1304)</td>
</tr>
<tr>
<td>Patel, Vijal</td>
<td>CC 188 (1432)</td>
</tr>
<tr>
<td>Peck, Jacqueline</td>
<td>PED 259 (845)</td>
</tr>
<tr>
<td>Penugonda, Lakshmi</td>
<td>MCC 310 (860)</td>
</tr>
<tr>
<td>Poynton, Emily</td>
<td>MCC 346 (1143)</td>
</tr>
<tr>
<td>Privratsky, Jamie</td>
<td>CA 182 (936)</td>
</tr>
<tr>
<td>Pruett, Brandon</td>
<td>MCC 372 (1421)</td>
</tr>
<tr>
<td>Rainey, Jeremy</td>
<td>MCC 305 (804)</td>
</tr>
<tr>
<td>Rengel, Kimberly</td>
<td>GA 256 (1344)</td>
</tr>
<tr>
<td>Reskallah, Alexander</td>
<td>CC 203 (1091)</td>
</tr>
<tr>
<td>Rizzo, Derek</td>
<td>MCC 327 (980)</td>
</tr>
<tr>
<td>Russell, Michael</td>
<td>T 242 (590)</td>
</tr>
<tr>
<td>Safavi, Kyan</td>
<td>TCSEM 233 (528)</td>
</tr>
<tr>
<td>Schaefer, Michele</td>
<td>NR 375 (621)</td>
</tr>
<tr>
<td>Sen, Indu</td>
<td>PS 267 (1284)</td>
</tr>
<tr>
<td>Serbanescu, Mara</td>
<td>PA 404 (1417)</td>
</tr>
<tr>
<td>Shah, Sapan</td>
<td>AM 165 (1156)</td>
</tr>
<tr>
<td>Siddiqui, Zuhair</td>
<td>MCC 271 (505)</td>
</tr>
<tr>
<td>Silva, John</td>
<td>MCC 345 (1131)</td>
</tr>
<tr>
<td>Sheerer, Christopher</td>
<td>NR 376 (771)</td>
</tr>
<tr>
<td>Shen, Tao</td>
<td>MCC 276 (568)</td>
</tr>
<tr>
<td>Singh, Punit</td>
<td>PA 384 (530)</td>
</tr>
<tr>
<td>Siscel, Jordan</td>
<td>MCC 317 (922)</td>
</tr>
<tr>
<td>Skoblar, Matthew</td>
<td>MCC 318 (925)</td>
</tr>
<tr>
<td>Spiritos, Amanda</td>
<td>MCC 350 (1148)</td>
</tr>
<tr>
<td>Srour, Habib</td>
<td>MCC 297 (693)</td>
</tr>
<tr>
<td>Stentz, Michael</td>
<td>CC 209 (1037)</td>
</tr>
<tr>
<td>Stevens, Jia Liu</td>
<td>MPC 249 (786)</td>
</tr>
<tr>
<td>Subramanian, Harikes</td>
<td>MCC 280 (635)</td>
</tr>
<tr>
<td>Tallen, Ari</td>
<td>CC 217 (718)</td>
</tr>
<tr>
<td>Tanem, Justinn</td>
<td>MCC 358 (1210)</td>
</tr>
<tr>
<td>Tang, Jonathan</td>
<td>MCC 304 (797)</td>
</tr>
<tr>
<td>Tao, Jing</td>
<td>BLD 174 (604)</td>
</tr>
<tr>
<td>Taylor, Ashley</td>
<td>CC 227 (751)</td>
</tr>
<tr>
<td>Thiele, Robert</td>
<td>CC 196 (1329)</td>
</tr>
<tr>
<td>Tooley, Nicholas</td>
<td>MCC 316 (900)</td>
</tr>
<tr>
<td>Wagener, Gebhard</td>
<td>L 184 (562)</td>
</tr>
<tr>
<td>Wajima, Zen’ichiro</td>
<td>TCSEM 234 (713)</td>
</tr>
<tr>
<td>Wakin, Kristin</td>
<td>MCC 292 (678)</td>
</tr>
<tr>
<td>Walters, Kelsey</td>
<td>CC 204 (914)</td>
</tr>
<tr>
<td>Wang, Xin</td>
<td>PM 392 (570)</td>
</tr>
<tr>
<td>Wiepking, Matthew</td>
<td>MCC 353 (1191)</td>
</tr>
<tr>
<td>Woodward, Elliott</td>
<td>MCC 373 (1433)</td>
</tr>
<tr>
<td>Wright, Alexandra</td>
<td>MCC 334 (1001)</td>
</tr>
<tr>
<td>Wu, Kevin</td>
<td>GA 255 (558)</td>
</tr>
<tr>
<td>Wylleman, Jasper</td>
<td>PA 405 (1444)</td>
</tr>
<tr>
<td>Yeung, Jaclyn</td>
<td>MCC 343 (1128)</td>
</tr>
<tr>
<td>Zauk, Jenna</td>
<td>MCC 307 (831)</td>
</tr>
<tr>
<td>Ziethen, Tim</td>
<td>AM 163 (1104)</td>
</tr>
</tbody>
</table>
## Abstract Category Index

### Airway Management
- Non-Invasive Ventilation in Perioperative Surgical Patients  
  AM 159 (1257)
- Current Practice of Cricoid Pressure Application for Endotracheal Intubation  
  AM 160 (911)
- A Pilot Study of Radiological Variables to Predict Fibreoptic Intubation in Ankylosing Spondylitis with Cervical Spine Involvement  
  AM 161 (1004)
- Difficult Tracheal Exubation in Adult Surgical Intensive Care  
  AM 163 (1104)
- Ultra Low Cost & Minimally Stimulating Method of Relieving Airway Obstruction During Mac  
  AM 165 (1156)

### Bench Science
- Signaling in Vascular Endothelium by Varying Degrees of Mechanical Stretch  
  BS 187 (784)

### Blood Management
- High Reliability Medicine in Transfusion: Intelligent Blood Management  
  BLD 172 (921)
- Safety of Four Factor Prothrombin Complex Concentrates (4F-Pcc) for the Reversal of Factor Xa Inhibitors  
  BLD 174 (604)
- Contrasting Effects of Stored Allogeneic Red Blood Cells and Their Supernatants on Permeability and Inflammatory Responses by Human Pulmonary Artery Endothelial Cells  
  BLD 175 (838)
- Verification of Provider Indications for Red Blood Cell Transfusion Therapies: A Retrospective Cohort Study  
  BLD 176 (756)
  BLD 177 (1042)

### Blood Management, continued
- Efficacy of Intraoperative Cell Salvage in Spine Surgery: A Meta-analysis  
  BLD 236 (1199)

### Cardiovascular Anesthesiology
- Acute Bleeding from an Aortic Pseudoaneurysm Due to Sneezing After CABG Surgery  
  CA 166 (1164)
- Active Intrathoracic Pressure Regulation: A Novel Non-invasive Device to Improve Hemodynamics after Blood Loss in a Porcine Model of Hemorrhage  
  CA 179 (1058)
- Fatigue and Dyspnea on Exertion in a Patient with Previous Aortic Valve Surgery  
  CA 180 (924)
- Impact of Methylprednisolone on the Incidence of Postoperative Complications in Cardiac Surgery Patients  
  CA 181 (1242)
- Variant Apolipoprotein L1 (APOL1) Alleles Are Associated With Increased Risk Of Post-Cardiac Surgery Acute Kidney Injury  
  CA 182 (936)
- Cardiac Output Monitoring: A Comparative Prospective Observational Study of the Conventional Cardiac Output Monitor and a New Smartphone Based Application  
  CA 183 (932)

### Critical Care
- The Prognostic Value of Cardiac Power Output in Septic Patients  
  CC 192 (1258)
- Hyperacute Catheter-Associated Pulmonary Embolus in the Immediate Postoperative Period Following Spinal Surgery  
  CC 193 (867)
- Long-Term Outcomes Following Extracorporeal Life Support for Acute Respiratory Failure  
  CC 195 (606)
- Sepsis Upregulates HIF-1 Independent of Tissue Oxygenation  
  CC 196 (1329)

### Critical Care, continued
- Focused Transthoracic Echocardiography and In-Hospital Cardiac Arrest: A Case Series of 10 Resident-Obtained Echocardiograms in the Peri-Resuscitative Period  
  CC 197 (1088)
- Association of Angiotensin II Dose with All-Cause Mortality in Patients with Vasodilatory Shock  
  CC 199 (1279)
- Association between MAP and Mortality in Vasodilatory Shock at an Academic Medical Center  
  CC 200 (1285)
- Hydroxocobalamin for Treatment of Bacteria-induced Vasoplegia: The Magic Bullet for Septic Shock?  
  CC 204 (914)
- Is all Chlorhexidine Bathing equal? A Comparison of Skin Chlorhexidine Concentration and Bacterial Colonization After Different, Commonly Used, Methods of Chlorhexidine Bathing  
  CC 207 (965)
- Utility of DIBI, a Novel Iron Chelator, as Therapeutic Modality for Murine Peritonitis-Induced Sepsis  
  CC 208 (1394)
- Trends in the Use of Extracorporeal Membrane Oxygenation in the United States, 2011-2014: An Examination of State-Level Billing Data  
  CC 209 (1037)
- The Effect of Daily Fluid Balance on Mechanical Ventilation in Subarachnoid Hemorrhage  
  CC 210 (701)
- Does Real Time Ultrasonography During Bronchoscopy Guided Percutaneous Tracheostomy Confer Any Benefit: A Preliminary, Randomised Controlled Trial  
  CC 211 (723)
<table>
<thead>
<tr>
<th>Critical Care, continued</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation of a Simulation-based Training Program for ECMO Complications</td>
</tr>
<tr>
<td>CC 213 (941)</td>
</tr>
<tr>
<td>Boarding of ICU Patients Does Not Impact Mortality in an Academic Health System</td>
</tr>
<tr>
<td>CC 216 (1206)</td>
</tr>
<tr>
<td>Characteristics and Outcomes of Oncologic ICU Admissions: Rapid Response Team versus Critical Care Medicine Consult Pathways</td>
</tr>
<tr>
<td>CC 185 (1102)</td>
</tr>
<tr>
<td>Management of Toxicities Associated with Chimeric Antigen Receptor (CAR) T Cells in the ICU</td>
</tr>
<tr>
<td>CC 186 (1350)</td>
</tr>
<tr>
<td>Early Mechanical Circulatory Support Improves Outcomes in Idiopathic Myocarditis</td>
</tr>
<tr>
<td>CC 188 (1432)</td>
</tr>
<tr>
<td>Behavioral Patterns of Electrolyte Repletion in Intensive Care Units: Lessons from a Large Electronic Dataset</td>
</tr>
<tr>
<td>CC 194 (1426)</td>
</tr>
<tr>
<td>Cost Reduction in ICU: Substitution of IV Levothyroxine with PO Levothyroxine</td>
</tr>
<tr>
<td>CC 202 (685)</td>
</tr>
<tr>
<td>Pilot Prospective Randomized Trial Comparing Methods of Teaching Point-of-Care Ultrasound Image Interpretation Skills to Medical Trainees</td>
</tr>
<tr>
<td>CC 203 (1091)</td>
</tr>
<tr>
<td>Replacing Albumin With Crystalloids for Postoperative Cardiac Surgery Fluid Resuscitation in the Intensive Care Unit – An Interprofessional Approach</td>
</tr>
<tr>
<td>CC 214 (532)</td>
</tr>
<tr>
<td>The Modified Early Warning System in Unplanned SICU Admission: An Analysis in 263 Consecutive Patients</td>
</tr>
<tr>
<td>CC 215 (715)</td>
</tr>
<tr>
<td>Cardiac Strain as a Measure of Myocardial Dysfunction After Subarachnoid Hemorrhage</td>
</tr>
<tr>
<td>CC 217 (718)</td>
</tr>
<tr>
<td>Neuroinvasive West Nile Virus Post Heart Transplantation</td>
</tr>
<tr>
<td>CC 219 (890)</td>
</tr>
<tr>
<td>Critical Care, continued</td>
</tr>
<tr>
<td>Improving Quality of Care by Standardizing OR to Surgical ICU Handoffs</td>
</tr>
<tr>
<td>CC 220 (1034)</td>
</tr>
<tr>
<td>The Nitric Oxide Pathway Antagonists in Septic Shock: Meta-Analysis of Controlled Clinical Trials</td>
</tr>
<tr>
<td>CC 221 (1089)</td>
</tr>
<tr>
<td>Outcomes Within the First Three Years of a New Venovenous ECMO Program</td>
</tr>
<tr>
<td>CC 222 (1182)</td>
</tr>
<tr>
<td>Arterio-enteric Fistula Following Pancreatic Surgery</td>
</tr>
<tr>
<td>CC 223 (1304)</td>
</tr>
<tr>
<td>Successful Treatment of Post-Myocardial Infarction Hiccups with Dexmedetomidine</td>
</tr>
<tr>
<td>CC 226 (734)</td>
</tr>
<tr>
<td>Post Operative Hypoxic: A Unique Case of Thoracotomy Complicated by Platypnoea-Orthodeoxia Syndrome</td>
</tr>
<tr>
<td>CC 227 (751)</td>
</tr>
<tr>
<td>Improving Multi-disciplinary Sign-out upon Discharge from the SICU</td>
</tr>
<tr>
<td>CC 240 (1043)</td>
</tr>
<tr>
<td>VV ECMO and Mycoplasma pneumoniae Pneumonia</td>
</tr>
<tr>
<td>CC 241 (1387)</td>
</tr>
<tr>
<td>Global Health</td>
</tr>
<tr>
<td>A Study Examining Antimicrobial Resistance And Consumption Trends Using DRI</td>
</tr>
<tr>
<td>GH 264 (1289)</td>
</tr>
<tr>
<td>Liver</td>
</tr>
<tr>
<td>Predicting Postoperative Liver Dysfunction Using Indocyanine Green Clearance After Cardiac Surgery</td>
</tr>
<tr>
<td>L 184 (562)</td>
</tr>
<tr>
<td>Medically Challenging Cases</td>
</tr>
<tr>
<td>Anesthetic Management of Quaternary C/S in a Patient with Diffuse, Destructive Malignant Metastatic Lesions</td>
</tr>
<tr>
<td>MCC 167 (1140)</td>
</tr>
<tr>
<td>Cecal Bascule After Cardiac Surgery</td>
</tr>
<tr>
<td>MCC 173 (576)</td>
</tr>
<tr>
<td>Cardiovascular Collapse as the Initial Presentation of Catastrophic Antiphospholipid Syndrome</td>
</tr>
<tr>
<td>MCC 190 (1267)</td>
</tr>
<tr>
<td>Successful Anesthetic Management of a Patient with Multiple Trauma and Severe Hypothermia: A Case Report</td>
</tr>
<tr>
<td>MCC 251 (839)</td>
</tr>
<tr>
<td>Fatal Exertional Rhabdomyolysis: A Devastating Complication of Sickle Cell Trait and Drastic Weight Cutting</td>
</tr>
<tr>
<td>MCC 269 (488)</td>
</tr>
<tr>
<td>Toxic Flowers and Aconite Poisoning: A Case of Critical Illness after Chinese Herbal Tea</td>
</tr>
<tr>
<td>MCC 270 (489)</td>
</tr>
<tr>
<td>Intraoperative Placement of Prone Femoral Central Venous Catheter in a Patient with Hemorrhagic Cerebral Arteriovenous Malformation</td>
</tr>
<tr>
<td>MCC 271 (505)</td>
</tr>
<tr>
<td>Rhabdomyolysis after Robotic Nephrectomy</td>
</tr>
<tr>
<td>MCC 272 (522)</td>
</tr>
<tr>
<td>A Novel Association of Juvenile Polyposis Syndrome with Atrial Septal Aneurysm and Patent Foramen Ovale</td>
</tr>
<tr>
<td>MCC 273 (529)</td>
</tr>
<tr>
<td>Medically Challenging Cases, continued</td>
</tr>
<tr>
<td>--------------------------------------</td>
</tr>
<tr>
<td>Management Considerations in a Patient with Repeated Posterior Circulation Strokes Refractory to Medical Therapy MCC 276 (568)</td>
</tr>
<tr>
<td>Challenges in Management of Clostridium Difficile Infection in a Patient with Durable Left Ventricle Assist Device MCC 277 (595)</td>
</tr>
<tr>
<td>Complications Following Lumbar Drain Placement For Thoracic/Thoracoabdominal Aortic Aneurysm Repair: Two Case Reports and Literature Review MCC 279 (630)</td>
</tr>
<tr>
<td>Subclavian Steal Phenomenon Following TEVAR for an Aorto-bronchial Fistula in a Patient with Situs Inversus MCC 280 (535)</td>
</tr>
<tr>
<td>PICC Line Challenge MCC 282 (637)</td>
</tr>
<tr>
<td>IVC Tumor Thrombectomy Complicated by Air Embolism; ECMO Salvage MCC 283 (642)</td>
</tr>
<tr>
<td>Hemophagocytic Lymphohistiocytosis – A Diagnostic Conundrum MCC 286 (862)</td>
</tr>
</tbody>
</table>
Medically Challenging Cases, continued

Successful Treatment of Recurrent Chronic Scrotal Pain Secondary to Post Laminectomy Syndrome with Spinal Cord Stimulation
MCC 318 (925)

Diagnosis and Management of Subclavian-Eosophageal Fistula
MCC 319 (927)

Prone Positioning and VV ECMO for Severe ARDS Due to Wegener's Pulmonary Granulomatosis
MCC 320 (930)

Hemodynamic Instability in Late Pericardial Tamponade Post LVAD Placement: A Case Report
MCC 322 (934)

An Unexpected Infection: A Case of Neurobrucellosis
MCC 323 (948)

Management of Scimitar Syndrome in Two Pregnant Patients
MCC 324 (949)

Cold Agglutinins in a Patient Undergoing Aortic Arch Repair: A Case Report
MCC 325 (963)

Case Report; Rapidly Changing Clinical Picture in a 25 Year Old with Ehler's Danlos IV
MCC 326 (972)

Successful Management of Serotonin Release Syndrome Caused by Methylene Blue After Orthotopic Heart Transplant with Dexametomidine
MCC 327 (980)

Surviving Severe Metabolic Acidosis: Case Report of Hickam's Dictum in Acidosis
MCC 330 (983)

Should We Pre-emptively Treat Pericarditis Following Penetrating Chest Trauma?
MCC 331 (985)

Cyclosporine-induced Posterior Reversible Encephalopathy Syndrome (PRES)
MCC 332 (998)

Perioperative Takotsubo Cardiomyopathy
MCC 333 (1075)

Delayed Presentation of Post-extubation Stridor Necessitating ICU Admission
MCC 334 (1001)

Medically Challenging Cases, continued

Management of a GI bleed and STEMI in a Patient with Essential Thrombocytosis
MCC 336 (1045)

Management of Severe Fire-related Inhalation Injury with Venovenous Extracorporeal Membrane Oxygenation: A Case Report
MCC 338 (1080)

VA ECMO for Acute Mitral Regurgitation Leading to Aortic Root Thrombus and Subsequent Management
MCC 340 (1110)

To Lyse or Not to Lyse: Marked Prolongation of the INR and Massive Pulmonary Embolus
MCC 341 (1021)

A Case of Unexplained Septic Shock
MCC 343 (1128)

Management of Endotracheal Glomus Tumor in a Morbidly Obese Patient Requiring Intraoperative ECMO Support
MCC 344 (1129)

Aortic Valve Repair and Ascending Aortic Graft Replacement Complicated by Exacerbation of Systolic Anterior Motion of the Mitral Valve Requiring Emergent Replacement and Myomectomy.
MCC 345 (1131)

Unexplained Persistent Hypotension in a Patient with Fragile X, Prader-Willi Phenotype
MCC 346 (1143)

Povidone-Iodine Disruption of Tracheobronchial Tree after Mediastinal Washing
MCC 347 (1145)

VA ECMO for VSD
MCC 348 (929)

Severe Hypoxia and Compartment Syndrome in a Patient with Sickle Cell Trait After Re-do Aortic Valve Replacement
MCC 350 (1148)

Compartment Syndrome as a Complication of Invasive Blood Pressure Monitoring in Patients Receiving Catheter Directed Thrombolysis
MCC 351 (1157)

Is the Tracheostomy Working? – Medically Challenging Case Presentation
MCC 352 (1163)

Eastern Equine Encephalitis: A Dangerous Dark Horse in Organ Transplantation
MCC 353 (1191)

Case Report of Acute Central Nervous System Graft versus Host Disease in a Liver Transplant Patient
MCC 354 (1197)

Successful Management of Perioperative Massive Amniotic Fluid Embolism
MCC 355 (1198)

Management of a Patient with Impulse Control Disorder Admitted with Foreign Body Ingestion
MCC 356 (662)

Utilization of IVIg for Treatment of Heparin-Induced Thrombocytopenia in a Patient with Stanford Type B Aortic Dissection
MCC 358 (1210)

Metastatic Intracardiac Synovial Sarcoma: Case Report
MCC 359 (1214)

An Uncommon and Rare Complication: The Atrioesophageal Fistula
MCC 360 (1216)

New Left Ventricular Failure Following Double Lung Transplantation in a Patient with Severe Pulmonary Hypertension
MCC 364 (1254)

Pyoderma Gangrenosum Mimicking Necrotizing Fasciitis – A Potentially Fatal Misdiagnosis
MCC 365 (1320)

New Anterior Mediastinal Mass Discovered Day of Surgery: A Case Report
MCC 366 (1361)

Itching and Amniotic Fluid Embolism with Circulatory Collapse in a Full Term Pregnant Patient
MCC 367 (1378)

Hypertension associated with Dexmedetomidine: A rare but known response
MCC 369 (1409)
Medically Challenging Cases, continued

Propofol Infusion Syndrome in a Patient with Refractory Status Epilepticus: Report of a Medically-Challenging Case
MCC 370 (1412)

Ethical Conflicts in Extracorporeal Membrane Oxygenation: A Case Report
MCC 371 (1420)

Perioperative Management of a Patient with von Gierke Disease Undergoing Hepatic Surgery
MCC 372 (1421)

Therapeutic Nasogastric Tube Placement for Management of Tamponade Physiology: A Case Report
MCC 373 (1433)

Anesthetic Challenges Of Emergency Gynecological Surgery In A Jehovah’s Witness With Fontan Circulation: A Case Report
MCC 386 (1217)

Transesophageal Echocardiography In The Intraoperative Management Of Renal Cell Carcinoma With Inferior Vena Cava Thrombus: A Case Report
MCC 387 (1220)

Metabolism and Perioperative Medicine

Acute Adrenal Insufficiency After Anti-Emetic Dose of Dexamethasone
MPC 248 (650)

The Effects of Major Hepatobiliary Surgery and General Anesthesia on Skeletal Muscle Mitochondrial Respiration. A Pilot Study
MPC 249 (786)

Neuroscience in Anesthesiology and Perioperative Medicine

Neonatal Disruption of PSD-95 PDZ Domain-mediated Protein-protein Interactions Alters Dendritic Spine Morphology, Long-term Potentiation, and Causes Deficits in Learning and Memory in Mice
NR 375 (621)

New Onset Acute Heart Failure in the Postpartum Period: A 90 Day National Readmissions Database Study
OB 189 (1439)

Transcutaneous P6 Acupoint Electrical Stimulation Prevents Both Nausea and Vomiting During Elective Cesarean Section Under Combined Spinal-Epidural, a Randomized Control Clinical Trial
OB 252 (753)

Obstetric Anesthesiology

Does the Application of Scopolamine Patch with Intra-operative Acupressure Point P6 Stimulation Increase Parturients’ Intra-Cesarean Satisfaction? Prospective randomized clinical trial
OB 253 (799)

Inflammatory Stress Response to Cytoreductive Surgery and Heated Chemotherapy
PM 390 (791)

Role of Pain Specialists in Reducing Healthcare Costs for Patients with Chronic Pain
PM 391 (1235)

Comparison of Postoperative Analgesic Effect of Preemptive Use of Tramadol Versus Ketamine in Laparoscopic Surgery
PM 392 (570)

Disruptive Intraoperative Behavior: Reporting to Management and Satisfaction with Management’s Response
PS 265 (958)

Implementing a Standardized Sign-out Process in Cardiovascular ICU
PS 266 (960)

Supraclavicular Brachial Plexus Block Analgesia With Or Without Perineural Dexamethasone For Creation Of Arteriovenous Fistula In End StageRenal Disease Patients
PS 267 (1284)

Obesity

Paternal BMI Affects Neonatal Weight. Retrospective Study
O 250 (835)

Supraclavicular Brachial Plexus Block Analgesia With Or Without Perineural Dexamethasone For Creation Of Arteriovenous Fistula In End Stage Renal Disease Patients
PS 267 (1284)

Pediatric Anesthesiology

Perioperative Outcomes and Management in LeFort III Midface Advancement Surgery: A Multicenter Study from the Pediatric Craniofacial Collaborative Group
PED 257 (548)

Comparison of Endotracheal Intubation vs. Natural Airway During Endoscopic Foreign Body Removal
PED 259 (845)
Pediatric Anesthesiology, continued

Comparison of Endotracheal Intubation vs. Natural Airway During Initial Percutaneous Endoscopic Gastrostomy Insertion
PED 260 (847)

Perioperative Anesthesia

CHA2DS2-VASc Score for Risk Prediction of Venous Thromboembolic Events After Total Joint Arthroplasty
PA 162 (990)

Association of Age and Gender with Postoperative Respiratory Failure
PA 384 (530)

Association of Preoperative Anticholinergic Medication Exposure with Postoperative Healthcare Resource Use and Outcomes: a Population-Based Cohort Study
PA 385 (555)

The iShuddle: A Strategy to Decreases Turn-Over-Time by Improving Culture in the Operating Room
PA 388 (740)

A Systematic Review and Meta-Analysis Examining the Impact of Sleep Disturbance on Post-Operative Delirium
PA 394 (1169)

Echocardiographic Assessment Using Subxiphoid-only View (EASY) Compared to Focused Transthoracic Echocardiography (FoTE): A Multicenter Prospective Study
PA 395 (1160)

Addition of Focused Transthoracic Echocardiography (FoTE) Learning into Existing Anesthesiology Residency Training Programs: A Prospective Multicenter Study of Blended Learning
PA 396 (1229)

Echocardiographic Assessment using Subxiphoid-only View (EASY) compared to Focused Transthoracic Echocardiography (FoTE) in the perioperative period: A multicenter prospective study
PA 397 (1408)

Effect of Dexamethasone on Postoperative Pain Scores in a Resource-Limited Setting: A Randomized Double Blind Placebo Controlled Clinical Trial
PA 398 (869)

Perioperative Anesthesia, continued

A Nationwide Study of Dental Injuries in Relation to General Anesthesia
PA 399 (1015)

Impact of ICU Admission on the Perioperative Trajectory of Elderly Surgical Patients
PA 402 (1370)

Post-Operative Sepsis: What is the Current Picture?
PA 403 (1371)

General Anesthesia Alters Gut Microbiota Diversity and Composition in Mice
PA 404 (1417)

Stroke Volume Assessment by Invasive Arterial Blood Pressure Tracing, SpO2 and Bioreactance. A Comparative Study
PA 405 (1444)

Regional Anesthesia

Report of Acute Delirium in a Healthy Patient with Rectus Sheath Catheters
RA 168 (807)

Early Experience with 2-Chloroprocaine for Spinal Anesthesia: A Retrospective Analysis at One Institution
RA 169 (907)

Respiration

Current Oxygen Management in the Operating Room: A Retrospective Chart Review
RES 224 (686)

Technology, Computing and Simulation, Equipment Monitoring

Inter-professional Simulation based education in Critical Care Medicine
TCSEM 231 (1331)

Feasibility of Using a Remote Monitoring Technology to Build a Consultative Critical Care Service for High Risk Non-ICU Surgical Patients
TCSEM 233 (528)

Comparisons of the Endobronchial Segment of Left-Sided Double-Lumen Tubes
TCSEM 234 (713)

Efficacy of Bispectral Index in Reducing Intraoperative Awareness: A Meta-Analysis of Randomized Controlled Studies
TCSEM 235 (743)

Perioperative Central Volume Status in Healthy Children and in Children with Congenital Heart Disease
TCSEM 237 (1181)

Joint modeling and the Compensatory Reserve Index: Insight into hemodynamic compensation during the induction of general anesthesia
TCSEM 238 (1365)

Trauma

Severe Hemorrhagic Shock is Associated with Reduced TEG Maximum Amplitude in Human Traumatic Injury
T 242 (590)

Cervical Spine Clearance in Patients with Unreliable Clinical Exam: Delays and Complications
T 243 (937)

Supplemental Oxygen for Trauma Patients – Current Practice in two Trauma Centers
T 244 (944)
The Society of Critical Care Anesthesiologists (SOCCA) Board of Directors and the 2018 Annual Meeting Program Committee acknowledge with thanks the following 2018 Annual Meeting Abstract Reviewers:

Ozan Akca, MD, University of Louisville School of Medicine, Louisville, Kentucky
David W. Barbara, MD, Mayo Clinic, Rochester, Minnesota
Karsten Bartels, MD, University of Colorado Denver School of Medicine, Aurora, Colorado
Talia K. Ben-Jacob, MD, Cooper Medical School of Rowan University, Cooper University Hospital, Camden, New Jersey
Suzanne Bennett, MD, University of Cincinnati Medical Center, Cincinnati, Ohio
Alisha Bhatia, MD, Rush University Medical Center, Chicago, Illinois
Manuel Castresana, MD, Augusta University, Augusta, Georgia
Pinxia Chen, MD, St. Luke’s University Hospital and Health Network, Bethlehem, Pennsylvania
Miguel Cobas, MD, FCCM, University of Miami; Jackson South Community Hospital, Miami, Florida
Francis DiPierro, MD, Cleveland Clinic, Cleveland, Ohio
Brenda Fahy, MD, MCCM, University of Florida College of Medicine, Gainesville, Florida
Edward D. Foley, MD, Medical College of Georgia, Augusta, Georgia
Thomas Fuhrman, MD, Bay Pines Veterans Affairs Healthcare System, Bay Pines, Florida
Bhargavi Gali, MD, Mayo Clinic Rochester, Rochester, Minnesota
Haley Goucher Miranda, MD, University of Kansas Medical Center, Kansas City, Kansas
Navneet Grewal, MD, University of Texas, Houston, Texas
Alok Gupta, MD, Northwestern University Feinberg School of Medicine, Chicago, Illinois
Jacob Gutsche, MD, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania
Erin Hennessey, MD, Stanford University Medical Center, Stanford, California
Christopher G. Hughes, MD, Vanderbilt University Medical Center, Nashville, Tennessee
Jose Humanez, MD, University of Alabama at Birmingham, Birmingham, Alabama
Sean Josephs, MD, College of Medicine University of Cincinnati, Cincinnati, Ohio
Kunal Karamchandani, MD, FCCP, Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania
John Klick, MD, FCCP, FASE, FCCM, Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania
Daryl J. Kor, MD, Mayo Clinic Rochester, Rochester, Minnesota
Vikas Kumar, MBBS, Augusta University, Augusta, Georgia
Rainer Lenhardt, MD, University of Louisville School of Medicine, Louisville, Kentucky
Piyush Mathur, MD, Cleveland Clinic, Cleveland, Ohio
Joti J. Mucci, MD, University Hospitals Cleveland Medical Center, Cleveland, Ohio
Jayanta Mukherji, MD, Loyola University Medical Center, Maywood, Illinois
William Mulvoy, MD, MBA, The Texas Heart Institute, Houston, Texas
Michael O’Connor, MD, The University of Chicago Medicine, Chicago, Illinois
Ronald Pauldine, MD, University of Washington Medicine, Seattle, Washington
Pamela R. Roberts, MD, University of Oklahoma College of Medicine, Oklahoma City, Oklahoma
Aryeh Shander, MD, FCCM, FCCP, FASA, Englewood Hospital and Medical Center, Englewood, New Jersey
Harish Siddaiiah, MD, LSU Health Sciences Center, New Orleans, Louisiana
Julia B. Sobol, MD, Columbia University Medical Center; New York-Presbyterian Hospital, New York, New York
Roshti Sreedharan, MD, Cleveland Clinic Foundation, Cleveland, Ohio
Brendan Sullivan, MD, University of Colorado Denver School of Medicine, Aurora, Colorado
Madiha Syed, MD, Cleveland Clinic Foundation, Cleveland, Ohio
Ashley Szabo, MD, Cleveland Clinic, Cleveland, Ohio
Beth Teegarden, MD, The University of Texas Medical Branch at Galveston, Galveston, Texas
Michael Urban, MD, Hospital for Special Surgery, New York, New York
Manuel C. Vallejo, MD, DMD, West Virginia University, Morgantown, West Virginia
Peter Von Homeyer, MD, FASE, University of Washington Medicine, Seattle, Washington
Samrat Worah, MD, SUNY Downstate Medical Center, Brooklyn, New York
SAVE THE DATE! FRIDAY, MAY 17, 2019!

SOCCA 2019 Annual Meeting and Critical Care Update

Fairmont The Queen Elizabeth Hotel
Montréal, Quebec, Canada

For more information, visit www.socca.org