

Final Program

IARS 2017 Annual Meeting and International Science Symposium

Improving Health Through Discovery and Education

May 6-9, 2017

Grand Hyatt Washington • Washington, DC



IARS

International Anesthesia Research Society

SmartTots

Funding research to ensure pediatric anesthesia safety



Who We Are

SmartTots is a collaborative effort of the IARS, the U.S. FDA and many others who are working to make anesthesia safer for infants and children.

What We Do

SmartTots funds research into pediatric anesthesia with the goal of making surgery safer for infants and children.

Why It Matters

Scientific studies in animals show certain common anesthetic and sedation drugs appear to harm the developing brain. SmartTots is working to identify and lessen the risks for children.

SmartTots.org/donate



IARS

International Anesthesia Research Society

Improving Health through Discovery and Education

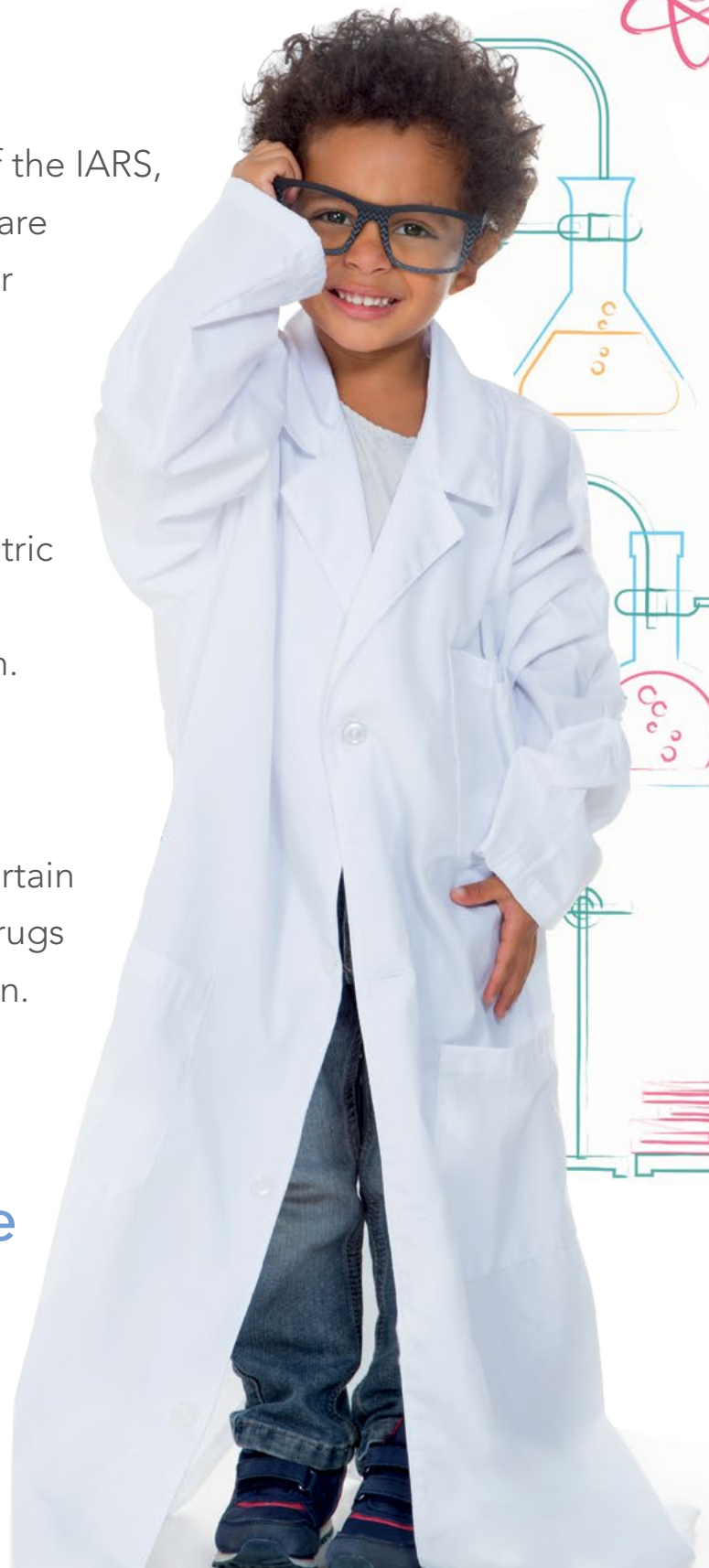


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Welcome to the IARS 2017 Annual Meeting in Washington, DC!

Welcome to the meeting that addresses cutting-edge topics in all anesthesia subspecialties and looks to the future of anesthesia. Be present to shape the discussion and the direction of the practice and interact with 1,000 of the world's leading minds in anesthesia education and research, plus so much more.

Discover Washington, DC

Discover America's rich history in the nation's capital, Washington, DC and recall the significant moments in time, when they first occurred. Walk the two-mile green expanse of the National Mall and take in the neoclassical monuments and buildings, including the iconic ones that house the federal government's three branches: The Capitol, White House and Supreme Court. Roam the many halls of free Smithsonian Museums, paddle on the Potomac River or sit back on a double-decker tour bus and soak in the beautiful sights of the city. Indulge in the food, wine, local breweries and funky marketplaces available in DC. From American history to culinary delicacies to cultural events, you can find it all in Washington, DC. Make the most of your time in the nation's capital!

Washington, DC by the Numbers!

2015 was the first year photos were allowed during White House tours as announced by Former First Lady Michelle Obama.

535 miles of book shelves and 162 million objects can be found at the Library of Congress, giving DC the largest library in the world.

60,000 objects, ranging in size from Saturn V rockets to jetliners to gliders to space helmets to microchips, can be found at the Smithsonian's National Air and Space Museum.

1,800 animals from 300 different species call the Smithsonian's National Zoo home.

59 pieces of Chinese granite designed and assembled by Chinese sculptor Lei Yixin, make up the Martin Luther King, Jr. Memorial, commemorating the civil rights leader.

1929 was the first year a phone was installed on the president's desk in the White House. The original phone number for the White House was just the number 1.

2 Former Presidents, Herbert Hoover and John Quincy Adams, kept pet alligators at the White House.

64,000 square feet and over 200 artifacts make up the first and only public museum in the United States solely dedicated to espionage, the International Spy Museum.

19 feet tall and weighing almost 15,000 pounds, the bronze Statue of Freedom sculpture on the top of the U.S. Capitol Building is larger than it looks.

1901 was the year DC's first baseball team began playing as the Washington Senators. Not until 1971 was their name changed to the Washington Nationals.

180 embassies and international cultural centers are located in Washington, DC. More than 16 percent of DC residents speak a language other than English.

200 bonsai trees can be found at the National Bonsai and Penjing Museum, one of the 19 Smithsonian Museums in the city.

1800 was the year the White House was completed, a year after President George Washington's death. President John Quincy Adams was the first president to live in it.



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May 6, 2017

We warmly welcome you to the International Anesthesia Research Society's 2017 Annual Meeting and International Science Symposium, in Washington, DC. Once again, the IARS, AUA, and SOCCA Annual Meetings will take place in one location. Throughout this week, leaders in all subspecialties of anesthesiology will come together to celebrate the current advances in research and science and imagine the future of anesthesiology.

The Annual Meeting Oversight Committee Co-Chairs Drs. Beverley A. Orser and Michael S. Avidan have developed robust content that will provide attendees with the valuable knowledge they need to advance their practice in anesthesia.

Here are just a few of the highlights of this year's meeting.

Saturday, May 6

Take advantage of the Aligned Meeting Day Sessions available on Saturday, May 6 for IARS, AUA and SOCCA attendees.

- **T. H. Seldon Memorial Lecture: Dr. Victor J. Dzau**, a leader in health care innovation, will discuss *Vital Directions in Health and Medicine in Uncertain Times* at the opening general session. Dr. Dzau has made a significant impact on medicine through his seminal research in cardiovascular medicine and genetics and his leadership in health care innovation.
- The AUA Symposium: *Recognizing the "Painful" Truths of the Opioid Abuse Epidemic*, moderated by Dr. Y.S. Prakash. Speakers will identify and help answer the most important questions related to opioid abuse, and discover how anesthesiologists can make a difference in the fight against this growing problem.
- Scholars' Program: This program will have broad appeal, particularly to early-stage scholars in anesthesiology. Through original and creative teaching approaches, scholars will find the much-needed skills they desire while interacting with their peers and mentors.

Sunday, May 7

- International Science Symposium: *Pain: From Molecules to Medicine*, moderated by Dr. Christian P. Werner. Explore the world of pain medicine, and discover state of the art approaches for the prevention and treatment of pain.
- Kosaka Best of Meeting Abstract Awards Session: The top abstract authors will be selected by an expert panel of reviewers. Nine finalists will present their original research orally and compete for the top award in their areas and a \$500 prize each.

Monday, May 8

- Symposium: *Perioperative Delirium: Knowns and Unknowns*, moderated by Dr. Sinziana Avramescu. The presenters will uncover effective strategies for diagnosing, treating and preventing delirium in the perioperative period.

Save time to visit the Moderated Poster Discussion Sessions and learn from original research. Plus, visit the Tabletop Exhibit Area and discuss the latest advances in equipment and technology with our industry partners.

Celebrate the alignment of IARS, AUA, and SOCCA Annual Meetings while relaxing and enjoying interaction with your peers and colleagues at the Alignment Reception, Saturday, May 6, 6:00 pm – 7:30 pm.

We are delighted that you have joined the world's leading anesthesia educators and researchers to play a part in addressing current issues in the field and shaping the future of anesthesiology. Combined with the vibrant backdrop of historical and cultural Washington, DC, this will be an unforgettable experience.

Sincerely,

Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE
Chair, IARS Board of Trustees

International Anesthesia Research Society

44 Montgomery Street, Suite 1605 • San Francisco, CA 94104 • Tel 415-296-6900 • Fax 415-296-6901
www.iars.org • info@iars.org



Welcome

*Association of University Anesthesiologists
International Anesthesia Research Society
Society of Critical Care Anesthesiologists
2017 Annual Meetings*

May 4, 2017

As Mayor of the District of Columbia, I am pleased to welcome participants and members of the Association of University Anesthesiologists (AUA), the International Anesthesia Research Society (IARS), and the Society of Critical Care Anesthesiologists (SOCCA) to the nation's capital for your 2017 Annual Meetings.

The AUA, IARS and SOCCA 2017 Annual Meetings bring together the leaders in anesthesiology to exchange ideas and information with the goal of improving patient care around the world.

I am delighted that you have chosen Washington, DC, to host your event this year. While you are here, I invite you to enjoy all that our city has to offer and I encourage you to visit our museums, monuments, restaurants and diverse neighborhoods.

On behalf of the residents of the District of Columbia, I wish you a successful event.

Muriel Bowser
Mayor, District of Columbia



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Toronto, Ontario, Canada

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Mainz, Germany

Continuing Medical Education (CME) Activity Information

Activity Overview

Findings from new research and the evolution of anesthesiology practice based on emerging evidence create an inherent gap between existing practice and new practice models. The purpose of the International Anesthesia Research Society (IARS) 2017 Annual Meeting and International Science Symposium is to provide an evidence-based and clinically-oriented educational activity that will improve competence and performance in the anesthesiology specialty, resulting in improved patient care and outcomes.

Target Audience

The IARS 2017 Annual Meeting and International Science Symposium is designed to address the continuing medical education needs of anesthesiologists, anesthesiologists-in-training, anesthesia investigators, and allied health professionals who conduct research, practice, or intend to practice in any area of general anesthesia, subspecialty anesthesia, or pain management.

Educational Objectives

As a result of participating in this live CME activity, learners will be able to:

- Describe the latest developments in critical care, perioperative medicine, pain management, and other anesthesiology subspecialty areas.
- Evaluate gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.
- Develop and apply strategies for integrating new knowledge and behaviors into their professional practice.

Accreditation Statement

The International Anesthesia Research Society (IARS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CME Credit

The International Anesthesia Research Society (IARS) designates this live activity for a maximum of 28.5 *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 immediately following the close of the live activity.

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.

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 relevant financial relationships with commercial interests. Relevant financial relationships are defined as financial relationships in any amount occurring within the past 12 months, including financial relationships of the spouse or partner of the person in control of content. 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 health care provider relative to diagnostic and treatment options of a specific patient's medical condition.

Commercial Support

The following commercial interests have provided support for this live activity: Masimo (satellite symposium), Medtronic (satellite symposium), CAE Healthcare (gift in-kind), FUJIFILM SonoSite, Inc. (gift in-kind), MedaPhor (gift in-kind), Philips (gift in-kind), BK Ultrasound (gift in-kind), and Teleflex (gift in-kind).

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 events and a Schedule-at-a-Glance grid for all four days as well as an overview for the AUA and SOCCA 2017 Annual Meetings.

The education sessions and Moderated Poster Discussion Sessions are listed by day and then by time in each specific section within the Program.

Refer to page 11 of this Program for a map of the IARS Headquarters Hotel, Grand Hyatt Washington, including meeting rooms and registration area.

Location

IARS 2017 Annual Meeting Headquarters Hotel

Grand Hyatt Washington Hotel

1000 H St. NW • Washington, DC 20001

t: 202-582-1234

The Registration Desk is located in the Independence Foyer. The Annual Meeting education sessions take place on the Constitution and Independence Levels of the hotel. Tabletop exhibits, continental breakfasts, breaks and the Alignment Reception will be held in Independence A on the Independence Level of the hotel. Refer to page 11 of this Program for a map of the Hotel.

Registration

IARS Onsite Registration Hours

Thursday, May 4 6:00 am – 6:00 pm

Friday, May 5 6:00 am – 6:00 pm

Saturday, May 6 6:00 am – 6:00 pm

Sunday, May 7 6:00 am – 6:00 pm

Monday, May 8 6:00 am – 5:30 pm

Tuesday, May 9 6:00 am – 12:00 pm

Your registration materials will be available for pick up at the Registration Desk in the Independence Foyer.

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.

Annual Meeting Registration Cancellation Policy

The registration cancellation deadline was Friday, April 21, 2017. Registrations canceled on or before Friday, April 21, 2017 were refunded, minus a \$50 processing charge.

Tabletop Exhibits

The Tabletop Exhibits are located in Independence A on the Independence Level of the hotel. Please join us in the Independence A for the Alignment Reception on Saturday, May 6, from 6:00 pm - 7:30 pm.

Tabletop Exhibit Hours

Saturday, May 6 6:30 am - 4:00 pm

Alignment Reception 6:00 pm - 7:30 pm

Sunday, May 7 6:30 am - 4:00 pm

Monday, May 8 6:30 am - 9:30 am

For complete information on the Tabletop Exhibits, please refer to the Exhibitor's Guide in your registration printed materials.

Services

Internet Availability

Complimentary wireless internet is available in the conference area, exhibit area and all IARS scheduled meeting rooms. Open your internet browser and choose the network labeled, **"Hyatt Meeting."** When prompted for an access code, enter **"AM2017."** Please no streaming or video downloads.



Official App of the IARS, AUA, and SOCCA 2017 Annual Meetings

The IARS, AUA, and SOCCA will feature an interactive app, **IARS 2017**, allowing you to view the complete event schedule, explore all sessions, and get detailed presenter information. Participate in the interactive games on the app each day and connect with your peers and colleagues. Download the interactive Annual Meeting app, **IARS Mtgs App**, available for iPhone, iPad, Android, and HTML5 for Blackberry in the Google Play and Apple Stores. Your username for the app is the email with which you registered for the Annual Meeting. The password for all users is: **iars2017**. Expand your professional network and make the most of your Annual Meeting experience!

General Information

Information

Dress Code

The dress code for the IARS 2017 Annual Meeting is business/business casual.

Electronic Devices

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

Event Search

Search all the sessions, abstracts and speakers for the IARS 2017 Annual Meeting online on the session management site at <http://bit.ly/iars2017event>.



Photography Release

The IARS plans to take photographs at the IARS 2017 Annual Meeting and International Science Symposium and reproduce them in IARS news or promotional materials, whether in print, electronic or other media, including the IARS website. By participating in the IARS 2017 Annual Meeting and International Science Symposium, you grant the IARS the right to use your name, photograph, and biography for such purposes.



No Smoking Policy

Smoking is not permitted at IARS events. We respectfully request that you abide by our smoke-free policy. Thank you.

Special Services

If you have a special need, please see staff at the Registration Desk.

IARS On Demand

IARS On Demand will maximize your Annual Meeting investment and provide valuable additional CME, watch sessions you missed or revisit sessions you attended. The CME-accredited IARS On Demand program includes easy online access to approximately 65 hours of educational content from the meeting. Visit the IARS On Demand Tabletop Exhibit in the Independence A-1 & Foyer on the Independence Level of the hotel for more information.

Special Events

Scholars' Program Mentor-Trainee Reception

Meet your mentor, socialize and discuss the curriculum and tips for advancing your career with your fellow scholars at the Scholars' Program Mentor-Trainee

Reception, Saturday, May 6, from 5:00 pm to 6:00 pm. *The Scholars' Program, including the Mentor-Trainee Reception, requires pre-registration and an additional \$50.00 non-refundable fee to attend.*

Celebrate the Alignment of the IARS, AUA and SOCCA Annual Meetings

Attend a special Alignment Reception on Saturday, May 6, from 6:00 pm to 7:30 pm, to toast the alignment of three must-attend anesthesia meetings, bringing together the leading minds in anesthesiology in all subspecialties in one location. Visit the IARS Tabletop Exhibits, and catch up with your colleagues at this aligned celebration.

Washington, DC Travel Tips

Time Zone

Washington, DC follows Eastern Daylight Time (EDT).

Washington, DC Airports

There are three major airports in the Washington DC region to choose from: Ronald Reagan Washington National Airport (code: DCA), Washington Dulles International Airport (code: IAD) and Baltimore/Washington International Thurgood Marshall Airport (code: BWI). Ronald Reagan Washington National Airport is the closest airport to the IARS Headquarters Hotel, Grand Hyatt Washington.

Transportation

Washington, DC is a bustling city with a great local public transportation system. The Metrorail and Metro bus offer the most clean and efficient transportation in the city providing routes to all parts of Washington DC. The Metro consists of light rail trains and buses. Base fares range from \$1.75 to \$4.00, to calculate the exact cost of your fare visit (<https://goo.gl/LMYNvu>). The Metro Center train station is accessible from the lobby of the hotel. Taxis, rental car services and Uber & Lyft cars are also available throughout the city. For more information on traveling, visit <https://goo.gl/pkJhWl>.

Weather

Although Washington, DC's weather can be extreme, the spring is milder with temperatures in the 60s and occasional showers. Pack for both rain and sunshine!

Explore the Top Sites in Washington, DC

National Mall and Memorial Parks

America's most visited national park, where the past, present and future come together. The monuments and memorials in this park honor American forefathers and veterans.

The 8 Must-See Memorials at the National Mall (<https://goo.gl/tNpBTV>)

1. The Franklin Delano Roosevelt Memorial
2. Korean War Veterans Memorial
3. Vietnam Veterans Memorial
4. Thomas Jefferson Memorial
5. Martin Luther King, Jr. Memorial
6. World War II Memorial
7. Washington Monument
8. The Lincoln Memorial

DC Neighborhoods

(<https://goo.gl/3uFfsa>)

Find out why the District is such a unique city. There's so much to love about each one of DC's neighborhoods, from history on Capitol Hill and high-end boutiques in Georgetown to performing arts in Penn Quarter and a 24-hour diner in Adams Morgan. Get familiar with the lay of the land and find your place in DC.

Southwest Waterfront

(<https://goo.gl/J5MHXZ>)

Native Americans, European Settlers, and now, the new Wharf development, this quadrant of Washington, DC has one constant — it's always evolving. Today, visitors have much to see in this unique neighborhood a few blocks from the National Mall, including the new District Wharf, the Mead Center, Maine Avenue Fish Market, East Potomac Tennis Center, Women's Titanic Memorial, Mandarin Oriental Hotel Spa and the tiki-style bar Cantina Marina to name a few hot spots.

The Smithsonian National Museum of Natural History (<https://goo.gl/v42hEt>)

Opened in 1910 to invoke discovery and education of the natural world, its green dome and immense size (comparable to 18 football fields) are signatures, as well as the 126 million natural science specimens and cultural artifacts that the museum contains. The Museum of Natural History is centrally located in Washington, DC on the National Mall. Like all Smithsonian Institution Museums, admission is free. Its regular hours are 10:00 am to 5:30 pm, but hours are extended during the summer with a closing time of 7:30 pm.

To learn more about all The Smithsonian Museums in Washington, DC, go to: <https://goo.gl/Lh88Ob>.

DC's Arts & Culture

The backbone of the city is built on arts and culture. Enjoy awe-inspiring art galleries, unmatched museums, thriving performing arts and music scenes and so much more.

Famous places to visit include:

The John F. Kennedy Center for the Performing Arts:
<http://www.kennedy-center.org>

Ford's Theatre: <https://www.fords.org/>

The Smithsonian National Portrait Gallery:
<http://npg.si.edu/>

To learn more about DC's arts and culture, go to:
<https://goo.gl/yA05Gv>

For more information on What to Do in Washington, DC, go to: <https://washington.org/>

General Information

Restaurants

Restaurants at the Grand Hyatt Washington

Starbucks (Coffee)

Lobby
Hours: Daily 5:30 am – 8:00 pm
www.starbucks.com

Cabinet (Breakfast; Special Lunch on Weekends), \$\$

Declaration Level (1B)
Hours: M-F 6:30 am – 11:00 am; Sat-Sun 6:20 am-3:00 pm
<http://bit.ly/cabinetrest>

Cure Bar & Bistro (lunch, dinner and late night), \$\$ - \$\$\$

Lobby and Declaration Level (1B)
Hours: M-F 11:00 am – 1:00 am; Sat-Sun 3:00 pm – 1:00 am
www.curebarandbistro.com

Restaurants near the Grand Hyatt Washington

DBGB DC

French Bistro, \$\$\$
931 H Street NW
202-695-7660
Distance from hotel:
1 min (233 ft.)
www.dbgb.com/dc

Capitol City Brewing Company

American, Bar, Pub, Contemporary, Gluten Free Option, \$\$-\$\$\$
1100 New York Avenue NW
202-628-2222
Distance from hotel:
1 min (305 ft.)
www.capcitybrew.com

Centrolina

Seasonal Italian, \$\$
974 Palmer Aly NW,
202-898-2426
Distance from hotel: 2 min (492 ft.)
www.curebarandbistro.com

Del Frisco's Double Eagle Steak House

American, Steakhouse, \$\$\$\$
950 I St NW # 501
202-289-0201
Distance from hotel: 3 min (0.1 mi.)
bit.ly/delfriscosDE

Fig & Olive D.C.

American, Mediterranean, European, \$\$\$\$
934 Palmer Aly NW,
202-559-5004
Distance from hotel:
3 min (0.1 mi.)
www.figandolive.com

Fire & Sage

American, Bar, Pub, \$\$ - \$\$\$
775 12th Street Northwest
202-661-8925
Distance from hotel: 2 min (0.1 mi.)
www.fireandsage.com

Fruitive

Juice Bars & Smoothies, Vegan, Live/Raw Food, \$\$
1094 Palmer Aly NW
202-836-7749
Distance from hotel: 2 min (0.1 mi.)
www.fruitive.com

Mango Tree

Asian, Thai, Vegetarian Friendly, \$\$ - \$\$\$
929 H St NW
202-408-8100
Distance from hotel: 2 min (0.1 mi.)
www.mangotreedc.com

Momofuku CCDC

Japanese, Asian, Gluten Free Options, \$\$ - \$\$\$
1090 I St NW,
202-602-1832
Distance from hotel: 2 min (0.1 mi.)
ccdc.momofuku.com

Haad Thai Restaurant

Asian, Thai, \$\$ - \$\$\$
1100 New York Ave NW,
202-682-1111
Distance from hotel: 3 min (0.2 mi.)
www.haadthairestaurant.com

Cuba Libre Restaurant & Rum Bar

Caribbean, Latin, Bar, Spanish, Cuban, Central American, Pub, Gluten Free Options, \$\$ - \$\$\$
801 9th St NW, Penn Quarter,
(Corner of 9th & H Streets)
202-408-1600
Distance from hotel: 4 min (0.2 mi.)
bit.ly/cubalibrerest

Pret A Manger

Soups, Cafe, Fast Food, Vegetarian Friendly, Vegan Options, \$
1155 F Street NW,
202-464-2791
Distance from hotel: 4 min (0.2 mi.)
www.pret.com/en-us

Zaytinya

Lebanese, Mediterranean, European, Turkish, Greek, Middle Eastern, Gluten Free Options, \$\$ - \$\$\$
701 9th St NW, Edison Place
202-638-0800
Distance from hotel: 4 min (0.2 mi.)
www.zaytinya.com

Ella's Wood-Fired Pizza

Italian, Pizza, Gluten Free Options, \$\$ - \$\$\$
610 9th St NW,
202-638-3434
Distance from hotel: 5 min (0.3 mi.)
www.ellaspizza.com

Mayur Kabob

Indian, Pakistani, Halal, \$\$ - \$\$\$
1108 K St NW,
202-637-9770
Distance from hotel: 6 min (0.3 mi.)
www.mayurkababhousedc.com

Daikaya

Japanese, \$\$
705 6th Street Northwest
202-589-1600
Distance from hotel: 9 min (0.4 mi.)
www.daikaya.com

Corduroy

Upscale, Seasonal New American menu, \$\$\$
1122 9th St NW
202-589-0699
Distance from hotel: 9 min (0.4 mi.)
www.corduroydc.com

Coffee near the Grand Hyatt Washington Hotel

Rare Sweets

Dessert, Coffee, & Teas
963 Palmer Alley
202-499-0077
Distance from hotel: 2 min (0.1 mi.)
www.raresweets.com

Sip of Seattle

Coffee & Tea, Breakfast & Brunch, Juice Bars & Smoothies, \$
1120 G St NW
202-393-5058
Distance from hotel: 4 min (0.2 mi.)
bit.ly/sipseattle

Bluebird Bakery

918 F St NW
202-510-9917
Distance from hotel: 5 min (0.3 mi.)
www.bluebirdbakerydc.com

Peet's Coffee

435 11th St NW
202-400-3258
Distance from hotel: 7 min (0.4 mi.)
www.peets.com

La Colombe Coffee

900 6th St NW
202-795 7909
Distance from hotel: 9 min (0.4 mi.)
www.lacolombe.com

Bakers & Baristas

501 7th St NW,
202-347-7895
Distance from hotel:
10 min (0.5 mi.)
www.bakersandbaristas.net

Other Restaurants of Note

Fiola

Italian, \$\$\$
601 Pennsylvania Avenue Northwest
202-628-2888
Distance from hotel: (0.7 mi.)
15 min walk; 8 min bus ride (M Green/ Yellow); 6 min car ride
www.fioladc.com

Little Serow

Thai, \$\$\$
1511 17th Street Northwest
Walk in; no reservations or phone.
Distance from hotel: (1.2 mi.)
15 min bus ride/walk (M Red);
10 min car ride
www.littleserow.com

Red Hen

Italian, \$\$
1822 First Street NW
202-525-3021
Distance from hotel: (1.6 mi.)
20 min bus ride/walk (M Green/ Yellow); 10 min car ride
www.theredhendc.com

Blue Duck Tavern

American, \$\$\$
1201 24th St NW,
202-419-6755
Distance from hotel: (1.7 mi.)
14 min bus ride/walk (M orange/ silver/blue); 12 min car ride
bit.ly/blueducktavern

Rose's Luxury

New American, \$\$
717 8th Street SE
202-580-8889
Distance from hotel: (2.6 mi.)
19 min bus ride/walk (M orange/ silver/blue); 10 min car ride
www.rosesluxury.com

BlackSalt Fish Market & Restaurant

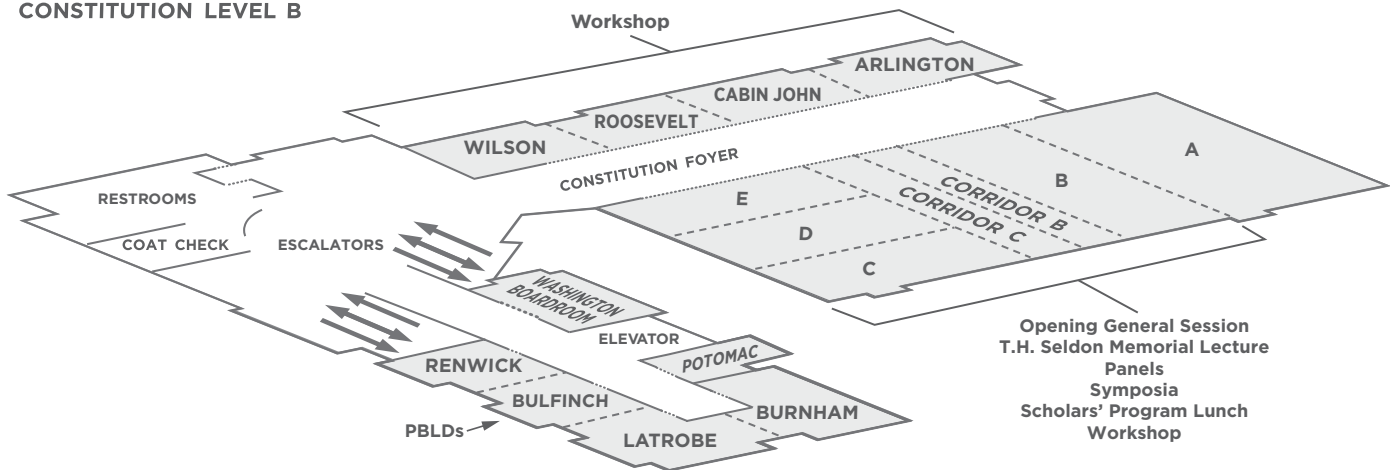
Seafood, Palisades, \$\$\$
4883 MacArthur Blvd
202-342-9101
Distance from hotel: (4.4 mi.)
36 min bus ride/walk (D6);
17 min car ride
bit.ly/blacksaltfish

Headquarters Hotel: Grand Hyatt Washington

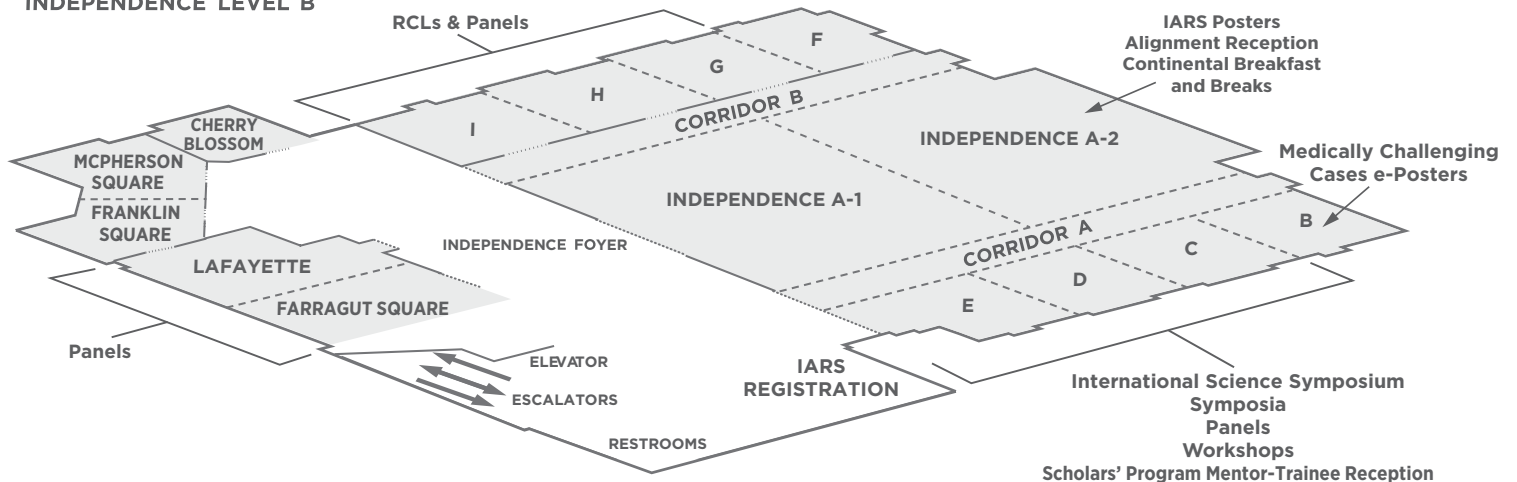


Located in the heart of downtown Washington, DC, the Grand Hyatt Washington offers the convenience and comfort you seek. The hotel is a short walk to many of the sights and sounds of DC or a quick hop on the train from the Metro Center, accessed through the hotel lobby. The Grand Hyatt Washington provides a prime location to experience all the city has to offer and the freedom to choose your own adventure in the nation's capital.

CONSTITUTION LEVEL B



INDEPENDENCE LEVEL B



[illegible]

Education Highlights at the IARS 2017 Annual Meeting

Attendees at the IARS, AUA and SOCCA 2017 Annual Meetings will have the opportunity to take advantage of a special Aligned Meeting Day on Saturday, May 6 at the IARS 2017 Annual Meeting and International Science Symposium. The world's leading minds in anesthesia education and research will present a wide selection of forward-thinking sessions on cutting-edge topics in all subspecialties of anesthesia as well as discuss the future of anesthesia. Don't miss the Alignment Reception to end the Aligned Meeting Day on a positive note!

Aligned Meeting Day, Saturday, May 6_____

Opening General Session

Saturday, May 6, 7:30 am – 8:00 am

Welcome and Opening Remarks

Kickoff the IARS 2017 Annual Meeting and International Science Symposium and gain insight into making the most of the next four days in Washington, DC.

T.H. Seldon Memorial Lecture

Saturday, May 6, 8:00 am – 9:00 am

Vital Directions in Health and Medicine in Uncertain Times

Opening General Session presenter **Victor J. Dzau, MD**, President of the National Academy of Medicine, Chancellor Emeritus and James B. Duke Professor of Medicine at Duke University School of Medicine, has made a significant impact on medicine through his seminal research in cardiovascular medicine, genetics, and his pioneering of the discipline of vascular medicine. A leader in health care innovation, Dr. Dzau's vision is for academic health science centers to lead the transformation of medicine through innovation, translation, and globalization. Join him at the T.H. Seldon Memorial Lecture as he discusses vital directions for health and medicine in uncertain times.

Symposium

Saturday, May 6, 9:30 am – 12:30 pm

AUA: Recognizing the “Painful” Truths of the Opioid Abuse Epidemic

Moderator: Y.S. Prakash, MD, PhD

Presenters: Wilson Compton, MD, MPE, Ellen Fields, MD, MPH, Lynn Webster, MD, and Mary Jeanne Kreek, MD

The increasing use and abuse of prescription opioid medications is now a worldwide public health crisis, recently recognized as such by the U.S. Centers for Disease Control and Prevention (CDC). Attend this important session as the speakers identify and help answer the most important questions related to opioid abuse, and discover how anesthesiologists can make a difference in the fight against this growing problem.

Education Highlights at the IARS 2017 Annual Meeting

SOCCA Focus on Critical Care Day, Saturday, May 6

The Society of Critical Care Anesthesiologists (SOCCA) Focus on Critical Care Day on Saturday, May 6, will examine and challenge current practices in critical care and highlight new discoveries in research and education. This dynamic education program will include one Review Course Lecture, two Problem-Based Learning Discussion Sessions and one Panel presented by the leaders in critical care anesthesia.

- PBLD: (1) SOCCA: *Ventricular Assist Device: Coming to Your Operating Room* and (2) SOCCA: *Sepsis: The Deadly Superbug*
- Panel: SOCCA: *Integrated Quality Trauma Care: From Concepts to Reality*
- Review Course Lecture: *Perioperative Ultrasound*

SOCCA full registrants may attend the bonus Focus on Critical Care Day education sessions as part of their SOCCA Annual Meeting registration fee (pre-registration is required).

Scholars' Program – Saturday, May 6

Education Sessions: 9:30 am – 5:00 pm

Mentor-Trainee Reception: 5:00 pm – 6:00 pm

Through innovative teaching approaches, scholars will find the much-needed skills they desire while interacting with peers and mentors. This special program will have a broad appeal, particularly to early-stage scholars in anesthesiology. Socialize and discuss the curriculum and tips for advancing your career with your fellow scholars and mentors at the Scholars' Program Mentor-Trainee Reception.

The IARS Scholars' Program and Mentor-Trainee Reception requires advanced registration and an additional \$50 fee to attend.

Alignment Reception

Join Us for An Energizing Alignment Reception for IARS, AUA and SOCCA!

Saturday, May 6, 6:00 pm – 7:30 pm

Come together and celebrate the alignment of the IARS, AUA and SOCCA Annual Meetings and meet the leaders in all subspecialties in anesthesiology in one location, Washington, DC. Relax, unwind and recap highlights from the first day of the Annual Meeting with your colleagues and peers. Plus, visit the Tabletop Exhibits during the Alignment Reception.

Opening General Session



T.H. Seldon Memorial Lecture ***Vital Directions in Health and Medicine in Uncertain Times***

Saturday, May 6, 2017

8:00 am – 9:00 am

Victor J. Dzau, MD

President of the National Academy of Medicine,
Washington, District of Columbia,
Chancellor Emeritus and
James B. Duke Professor of Medicine,
Duke University, Durham, North Carolina

Dr. Victor J. Dzau has made a significant impact on medicine through his seminal research in cardiovascular medicine and genetics, his pioneering of the discipline of vascular medicine, and his leadership in health care innovation. As one of the world's preeminent academic health leaders, Dr. Dzau advises governments, corporations, and universities worldwide and has been identified for many honors and recognitions including the Public Service Medal from the President of Singapore, the Distinguished Scientist Award from the American Heart Association (AHA) and the AHA Research Achievement Award for his contributions to cardiovascular biology and medicine.

A leader in health care innovation, Dr. Dzau's vision is for academic health sciences centers to lead the transformation of medicine through innovation, translation, and globalization. Join him at the T.H. Seldon Memorial Lecture as he reveals vital directions for health and medicine in uncertain times.

Learner Objectives: After participating in this activity, the learner will be able to: (1) Assess the current state of health and health care, and the uncertainties in the United States (U.S.); (2) Discuss the strategic priorities (identified in the NAM's Vital Directions for Health and Healthcare Initiative) for the new U.S. Administration and the nation's health leaders beyond repeal and coverage discussions; and (3) Examine the strategic action priorities and essential infrastructure needs to achieve a health system that performs optimally in promoting, protecting, and restoring the health of individuals and populations.

T.H. Seldon Memorial Lecture

*Established to honor Dr. "Harry" Seldon, the Anesthesia & Analgesia
Editor-In-Chief for 23 years from 1954-1976. It became the T.H. Seldon Memorial
Lecture in 1992 after Dr. Seldon's death in 1991.*

*This session is part of the Aligned Meeting Day and available
complimentary to AUA and SOCCA registrants.*

International Science Symposium

Sunday, May 7
9:30 am – 12:30 pm

Pain: From Molecules to Medicine

Over 100 million people in the U.S. alone suffer from chronic pain, but the treatments and medications do not meet the need, and often include severe side effects. This symposium will investigate the cellular and neurophysiological changes that lead to chronic pain development, and unearth new paradigms for synaptic physiology in relation to pain, offering broader implications for the control of cell-to-cell communication throughout the nervous system. Explore the world of pain medicine, and innovative approaches for the prevention and treatment of pain, including the targeting of specific cells, pathways and circuits.

Moderator:

Christian P. Werner, MD

Professor of Anesthesiology and Chairman, Department of Anesthesiology, Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany

Panelists:

Functional Neuroimaging of Pain, Affect and Cognition

Sean Mackey, MD, PhD

Redlich Professor of Anesthesiology, Perioperative and Pain Medicine, Neurosciences and Neurology, Chief, Division of Pain Medicine, Director, Stanford Systems Neuroscience and Pain Lab, Stanford University School of Medicine, Stanford, California

Optogenetic Tools for the Study and Treatment of Pain

Robert W. Gereau, PhD

Dr. Seymour and Rose T. Brown Professor of Anesthesiology, Professor, Neuroscience, Director, Washington University Pain Center, Washington University School of Medicine in St. Louis, St. Louis, Missouri

New Mechanisms Lead to New Treatments

Michael Salter, MD, PhD, FRSC

Chief of Research Institute, Senior Scientist, Neurosciences & Mental Health, The Hospital for Sick Children (SickKids); Professor, Department of Physiology and Faculty of Medicine, Professor, Institute of Medical Sciences and Faculty of Dentistry, University of Toronto, Toronto, Ontario, Canada

Phenotypic and Genotypic Predictors of Post-Surgical Pain

Chad M. Brummett, MD

Associate Professor, Anesthesiology, Director, Division of Pain Research, Director, Clinical Research, Department of Anesthesiology, University of Michigan Health System, Ann Arbor, Michigan

Learner Objectives:

After participating in this activity, the learner will be able to: (1) Discuss the concept of optogenetics and how you can use light to control neuronal activity; (2) Evaluate how optogenetics can be used to study neural circuits involved in pain, and how this approach could potentially be used to treat pain; (3) Identify the major hurdles to implementation of optogenetics for the treatment of pain and other neurologic conditions; (4) Discuss major advances in the pathobiology of acute and persistent pain at the molecular, cellular and neural systems levels; (5) Describe processing, plasticity and transmission of nociceptive information in the central nervous system; (6) Review the critical role of glia-neuron interactions in the pathological pain neuroplasticity; (7) Identify genetic and gender contributions to variability in pathological pain between individuals; (8) Describe the central nervous system pathophysiology of centralized pain disorders; (9) Discuss the clinical characteristics of patients with centralized pain; (10) Describe the proposed mechanism for opioid non-responsiveness after surgery; and (11) Describe the associations between centralized pain chronic pain outcomes after surgery.

Schedule-at-a-Glance

THURSDAY, MAY 4

AUA 64th Annual Meeting

- 6:00 am – 6:00 pm Registration
- 8:30 am – 5:45 pm AUA Education Sessions and Moderated Poster Discussion Sessions
- 6:30 pm – 8:00 pm AUA *British Journal of Anaesthesia* & Anaesthetic Research Society Reception

FRIDAY, MAY 5

AUA 64th Annual Meeting

SOCCA 30th Annual Meeting and Critical Care Update

- 6:00 am – 6:00 pm Registration
- 8:00 am – 6:45 pm SOCCA Education Sessions, Moderated Poster Discussion Sessions, and Tabletop Exhibits
- 8:00 am – 5:45 pm AUA Education Sessions and Moderated Poster Sessions
- 6:30 pm – 7:30 pm SOCCA Reception with Exhibitors
- 6:30 pm – 9:30 pm AUA Social Event Reception

SATURDAY, MAY 6

IARS 2017 Annual Meeting and International Science Symposium

IARS, AUA and SOCCA Aligned Meeting Day

- 6:00 am – 6:00 pm Registration
- 6:30 am – 4:00 pm Tabletop Exhibits
- 7:30 am – 8:00 am **Opening General Session:**
Welcome and Opening Remarks
- 8:00 am – 9:00 am **T.H. Seldon Memorial Lecture:**
Vital Directions in Health and Medicine in Uncertain Times
Victor J. Dzau, MD
- 9:30 am – 12:30 pm **Symposium-01:**
AUA: Recognizing the “Painful” Truths of the Opioid Abuse Epidemic
- 9:30 am – 5:45 pm **Concurrent Sessions:**
- Panels
 - Problem-Based Learning Discussions (PBLDs)
 - Review Course Lectures (RCLs)
 - Scholars’ Program
 - Workshops
 - Moderated Poster Discussion Sessions
- 5:00 pm – 6:00 pm **Scholars’ Program Mentor-Trainee Reception**
- 6:00 pm – 7:30 pm **IARS Alignment Reception**
- 6:00 pm – 7:30 pm Tabletop Exhibits

SUNDAY, MAY 7

- 6:00 am – 6:00 pm Registration
- 6:30 am – 4:00 pm Tabletop Exhibits
- 7:30 am – 5:45 pm **Concurrent Sessions:**
- Panels
 - Problem-Based Learning Discussions (PBLDs)
 - Review Course Lectures (RCLs)
 - Workshops
 - Moderated Poster Discussion Sessions
- 9:30 am – 12:30 pm **International Science Symposium:**
Pain: From Molecules to Medicine
- 11:00 am – 1:00 pm **Kosaka Best of Meeting Abstract Awards Session**

MONDAY, MAY 8

- 6:00 am – 5:30 pm Registration
- 6:30 am – 9:30 am Tabletop Exhibits
- 7:30 am – 6:00 pm **Concurrent Sessions:**
- Panels
 - Problem-Based Learning Discussions (PBLDs)
 - Review Course Lectures (RCLs)
 - Workshops
 - Moderated Poster Discussion Sessions
- 9:30 am – 12:30 pm **Symposium-02:**
Perioperative Delirium: Knowns and Unknowns

TUESDAY, MAY 9

- 6:00 am – 12:00 pm Registration
- 7:30 am – 12:00 pm **Concurrent Sessions:**
- Panels
 - Problem-Based Learning Discussions (PBLDs)
 - Review Course Lectures (RCLs)

**Schedule and sessions are as of press time and subject to change.*

Education Session Key for Anesthesia Subspecialty Topics

Key for Anesthesia Subspecialty Education Sessions

All education sessions at the Annual Meeting are coded by the anesthesia subspecialty for which they pertain. Please see below for the Anesthesia Subspecialty Key as well as page locations in the program relating to each anesthesia subspecialty topic.

AM	Airway Management	O	Obesity
AMB	Ambulatory Anesthesia	OB	Obstetric Anesthesiology
AP	Anesthetic Pharmacology	PME	Pain Mechanisms
BLD	Blood Management	PM	Pain Medicine
CA	Cardiovascular Anesthesiology	PS	Patient Safety
CC	Critical Care	PED	Pediatric Anesthesiology
EEP	Economics, Education and Policy	PA	Perioperative Anesthesia
GA	Geriatric Anesthesia	RA	Regional Anesthesia
GH	Global Health	RES	Respiration
L	Liver	SM	Sleep Medicine
NR	Neuroscience in Anesthesiology and Perioperative Medicine	TCSEM	Technology, Computing and Simulation, Equipment Monitoring
		T	Trauma

AM = Airway Management

RCL-01	28
PBLD-04	28
Panel-07	32
RCL-07	38
RCL-11	43
PBLD-11	43
Panel-24	54
RCL-16	55
Panel-25	56
Panel-27	58
Workshop-04	59
Panel-31	61
PBLD-18	62

AMB = Ambulatory Anesthesia

PBLD-06	35
PBLD-07	36
PBLD-09	40
PBLD-13	53
Symposium-02	54
PBLD-15	57
RCL-20	62
PBLD-19	63
Panel-34	64
PBLD-20	65

AP = Anesthetic Pharmacology

Panel-02	23
Symposium-01	24
PBLD-03	26
Panel-05	28
Panel-06	29
RCL-03	30
Scholar-06	31
RCL-04	33
Panel-10	35
PBLD-06	35
PBLD-07	36
International Science Symposium	37
Panel-14	40
PBLD-09	40
PBLD-10	41
Panel-16	42
RCL-11	43
Panel-21	51
RCL-13	52
RCL-14	53
Symposium-02	54
RCL-16	55
Panel-25	56

AP, Continued

Panel-27	58
Panel-31	61
RCL-20	62
PBLD-19	63
Panel-33	64
PBLD-20	65
Panel-35	66

BLD = Blood Management

PBLD-01	22
Panel-01	23
Panel-02	23
PBLD-03	26
Panel-06	29
RCL-03	30
Panel-07	32
RCL-04	33
PBLD-09	40
Panel-16	42
Panel-18	44
PBLD-12	52
Panel-23	53
Panel-34	64
Panel-35	66

BLD, continued

CA = Cardiovascular Anesthesiology

PBLD-01	22
PBLD-02	24
PBLD-03	26
RCL-01	28
Panel-05	28
Workshop-01	30
RCL-03	30
Panel-09	34
PBLD-06	35
PBLD-08	38
RCL-08	38
Panel-14	40
PBLD-09	40
Panel-16	42
RCL-11	43
Panel-18	44
RCL-13	52
Panel-23	53
PBLD-14	55
Panel-25	56
Workshop-04	59
Panel-31	61
PBLD-19	63

Education Session Key for Anesthesia Subspecialty Topics

CA, continued

Panel-34	64
Panel-35	66

CC = Critical Care

PBLD-01	12
Panel-01	23
PBLD-02	24
RCL-01	28
PBLD-04	28
Panel-06	29
Workshop-01	30
RCL-02	30
RCL-03	30
PBLD-05	31
Panel-07	32
Panel-09	34
PBLD-06	35
PBLD-07	36
Panel-11	36
Panel-12	38
RCL-07	38
PBLD-08	38
PBLD-10	41
Panel-16	42
Panel-17	42
RCL-11	43
Panel-18	44
Panel-24	54
Symposium-02	54
Workshop-03	55
RCL-15	55
RCL-16	55
Panel-25	56
Panel-28	58
PBLD-17	59
Panel-31	61
RCL-20	62
PBLD-18	62
RCL-21	63
PBLD-19	63
Panel-34	64
PBLD-20	65

EEP = Economics, Education and Policy

T.H. Seldon Memorial Lecture	21
Scholar-01	22
Panel-01	23
Symposium-01	24
PBLD-02	24
Scholar-02	25
Panel-03	25
Scholar-03	27
Scholar-04	27
Panel-05	28
Scholar-05	29
Workshop-01	30
RCL-02	30
Scholar-06	31
Panel-08	32
Panel-09	34
RCL-05	35
RCL-06	36
Panel-11	36
Panel-12	38
Kosaka Best of Meeting	39
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Panel-14	40
RCL-09	40
RCL-10	41
Panel-15	41
RCL-11	43
Panel-18	44
Panel-19	44
Panel-20	45
RCL-12	45
Panel-21	51
Panel-22	52
RCL-13	52
RCL-14	53
Panel-23	53
Panel-24	54
Workshop-03	55
Panel-26	56
RCL-17	57
RCL-18	57
Workshop-04	59

EEP, continued

Panel-29	60
Panel-31	61
Panel-32	62
RCL-21	63
Panel-33	64
Panel-34	64
RCL-22	65
PBLD-20	65
RCL-23	65
Panel-36	66

GA = Geriatric Anesthesia

Panel-17	42
Symposium-02	54
PBLD-15	57
Panel-29	60
Panel-34	64

GH = Global Health

Panel-11	36
Panel-12	38
Panel-26	56
Panel-28	58
Panel-34	64

L = Liver

PBLD-17	59
PBLD-19	63

NR = Neuroscience in Anesthesiology and Perioperative Medicine

Panel-02	13
Symposium-01	24
PBLD-03	26
Panel-05	28
Panel-10	35
International Science Symposium	37
RCL-08	38
Panel-14	40
PBLD-10	41
Panel-15	41
Panel-17	42
Workshop-02	43

NR, continued

PBLD-12	52
Symposium-02	54
Workshop-03	55
Panel-25	56
PBLD-15	57
PBLD-16	57
Panel-29	60
PBLD-19	63

O = Obesity

RCL-16	55
Panel-30	60
PBLD-18	62

OB = Obstetric Anesthesiology

RCL-04	33
PBLD-06	35
Panel-15	41
Panel-27	58
Panel-34	64

PME = Pain Mechanisms

Panel-02	23
Symposium-01	24
International Science Symposium	37
Panel-21	51
PBLD-20	65

PM = Pain Medicine

Panel-02	23
Symposium-01	24
Panel-03	25
International Science Symposium	37
Panel-21	51
Panel-28	58
PBLD-20	65

PS = Patient Safety

Panel-01	23
Symposium-01	24
Scholar-02	25

(continued)

Education Session Key for Anesthesia Subspecialty Topics

PS, Continued

Panel-05.....	28
Panel-06.....	29
RCL-03.....	30
PBLD-05.....	31
Panel-07.....	32
Panel-08.....	32
Panel-10.....	35
PBLD-06.....	35
International Science Symposium	37
PBLD-08.....	38
Panel-13.....	39
Panel-14.....	40
RCL-09.....	40
Panel-16.....	42
RCL-11.....	43
Panel-18.....	44
Panel-19.....	44
RCL-12.....	45
Panel-22.....	52
RCL-13.....	52
PBLD-12.....	52
PBLD-13.....	53
Symposium-02.....	54
Workshop-03.....	55
RCL-15.....	55
PBLD-14.....	55
Panel-25.....	56
RCL-18.....	57
PBLD-16.....	57
Panel-27.....	58
PBLD-17.....	59
Panel-29.....	60
Panel-30.....	60
Panel-31.....	61
RCL-21.....	63
PBLD-19.....	63
Panel-33.....	64
PBLD-20.....	65
RCL-23.....	66
Panel-35.....	66
Panel-36.....	66

PED = Pediatric Anesthesiology

Panel-04.....	26
Panel-10.....	35
Panel-21.....	51
PBLD-15.....	57
PBLD-18.....	62

PA = Perioperative Anesthesia

Panel-01.....	23
Panel-03.....	25
PBLD-03.....	26
RCL-01.....	28
PBLD-04.....	28
RCL-03.....	30
PBLD-05.....	31
Scholar-06.....	31
Panel-07.....	32
Panel-09.....	34
Panel-10.....	35
PBLD-06.....	35
PBLD-07.....	36
Panel-11.....	36
RCL-07.....	38
PBLD-08.....	38
RCL-08.....	38
Panel-13.....	39
Panel-14.....	40
RCL-09.....	40
PBLD-09.....	40
RCL-10.....	41
PBLD-10.....	41
Panel-15.....	41
Panel-16.....	42
Panel-17.....	42
PBLD-11.....	43
Panel-18.....	44
RCL-12.....	45
Panel-22.....	52
RCL-13.....	52
PBLD-12.....	52
PBLD-13.....	53
Panel-24.....	54
Symposium-02.....	54

PA, continued

RCL-15.....	55
PBLD-14.....	55
RCL-16.....	55
Panel-25.....	56
Panel-28.....	58
RCL-19.....	59
PBLD-17.....	59
Panel-29.....	60
Panel-30.....	60
Panel-31.....	61
RCL-20.....	62
RCL-21.....	63
PBLD-19.....	63
PBLD-20.....	65
RCL-23.....	65
Panel-35.....	66

RA = Regional Anesthesia

Panel-01.....	23
Panel-03.....	25
RCL-04.....	33
RCL-05.....	35
PBLD-06.....	35
Workshop-02.....	43
PBLD-16.....	57
Panel-28.....	58

RES = Respiration

RCL-01.....	28
PBLD-04.....	28
Panel-07.....	32
RCL-11.....	43
PBLD-11.....	43
Panel-24.....	54
RCL-16.....	55
Panel-25.....	56
Panel-27.....	58
Workshop-04.....	59
Panel-31.....	61
PBLD-18.....	62

SM = Sleep Medicine

Symposium-02.....	54
RCL-19.....	59
Panel-27.....	58
PBLD-18.....	62

TCSEM = Technology, Computing and Simulation, Equipment Monitoring

Panel-06.....	29
Panel-07.....	32
Panel-23.....	53
Workshop-03.....	55
PBLD-14.....	55
RCL-21.....	63
Panel-33.....	64
Panel-36.....	66

T = Trauma

Panel-01.....	23
PBLD-02.....	24
PBLD-04.....	28
PBLD-05.....	31
PBLD-06.....	35
Panel-12.....	38
RCL-08.....	38
PBLD-10.....	41
Panel-16.....	42
RCL-11.....	43
Panel-18.....	44
Panel-25.....	56
Panel-28.....	58
PBLD-17.....	59
Panel-31.....	61
PBLD-18.....	62
RCL-21.....	63
PBLD-19.....	63
PBLD-20.....	65

Daily Schedule-at-a-Glance

6:00 am – 6:00 pm	Registration	9:30 am – 5:45 pm	Concurrent Sessions:
7:30 am – 8:00 am	Opening General Session: Welcome and Opening Remarks		• Panels
8:00 am – 9:00 am	T.H. Seldon Memorial Lecture: <i>Vital Directions in Health and Medicine in Uncertain Times</i> Victor J. Dzau, MD		• Problem-Based Learning Discussions (PBLDs)
9:30 am – 12:30 pm	Symposium-01: <i>AUA: Recognizing the “Painful” Truths of the Opioid Abuse Epidemic</i>		• Review Course Lectures (RCLs)
		5:00 pm – 6:00 pm	• Scholars’ Program
		6:00 pm – 7:30 pm	• Workshops
			• Moderated Poster Discussion Sessions
			Scholars’ Program Mentor- Trainee Reception
			IARS Alignment Reception
6:30 am – 4:00 pm • 6:00 pm – 7:30 pm Tabletop Exhibits			

7:30 am – 8:00 am

General Opening Session: Welcome and Opening Remarks

Kickoff the IARS 2017 Annual Meeting and International Science Symposium and get a glimpse of all the invigorating education sessions available over the next four days.

8:00 am – 9:00 am

T.H. SELDON MEMORIAL LECTURE Vital Directions in Health and Medicine in Uncertain Times



Presenter: Victor J. Dzau, MD, President, National Academy of Medicine, Washington, District of Columbia; Chancellor Emeritus and James B. Duke Professor of Medicine, Duke University School of Medicine, Durham, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Assess the current state of health and health care, and the uncertainties in the United States (U.S.); (2) Discuss the strategic priorities (identified in the NAM’s Vital Directions for Health and Healthcare Initiative) for the new U.S. Administration and the nation’s health leaders beyond repeal and coverage discussions; and (3) Examine the strategic action priorities and essential infrastructure needs to achieve a health system that performs optimally in promoting, protecting, and restoring the health of individuals and populations.

Subspecialty Key: EEP

Subspecialty Key

AM Airway Management	O Obesity
AMB Ambulatory Anesthesia	OB Obstetric Anesthesiology
AP Anesthetic Pharmacology	PME Pain Mechanisms
BLD Blood Management	PM Pain Medicine
CA Cardiovascular Anesthesiology	PS Patient Safety
CC Critical Care	PED Pediatric Anesthesiology
EEP Economics, Education and Policy	PA Perioperative Anesthesia
GA Geriatric Anesthesia	RA Regional Anesthesia
GH Global Health	RES Respiration
L Liver	SM Sleep Medicine
NR Neuroscience in Anesthesiology and Perioperative Medicine	TCSEM Technology, Computing and Simulation, Equipment Monitoring
	T Trauma

Saturday, May 6

9:30 am – 10:30 am

PBLD – 01



Ventricular Assist Device: Coming to Your Operating Room

Presenter: Carlee A. Clark, MD, Associate Professor, College of Medicine, Department of Anesthesia and Perioperative Medicine, Medical University of South Carolina (MUSC), Charleston, South Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss preoperative evaluation, preparation and anesthetic implications associated with Left Ventricular Assist Devices (LVAD); (2) Compare the different types of LVADs; and (3) Describe appropriate consultation and perioperative care for a patient with an LVAD for non-cardiac surgery.

This session is part of the SOCCA Focus on Critical Care Day and available to SOCCA registrants complimentary. Session has limited seating and pre-registration is required.

Subspecialty Key: BLD, CA, CC



The current grounds of the Capitol Building were designed by noted American landscape architect Frederick Law Olmsted.

Scholars' Program

Scholar-01: Introduction to the Translational Research Continuum

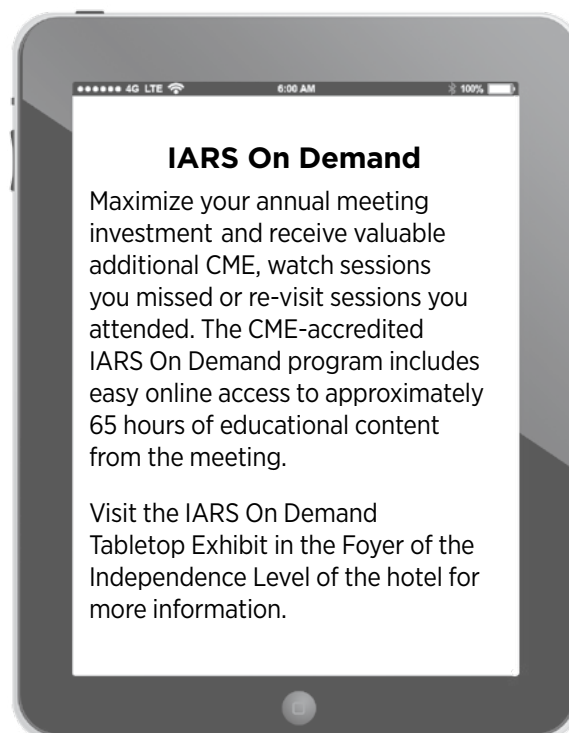
Moderator: Michael Montana, MD, PhD, Fellow, Pediatric Anesthesiology, Washington University School of Medicine in St. Louis, St. Louis Children's Hospital, St. Louis, Missouri

Presenter: George A. Mashour, MD, PhD, Executive Director, Translational Research, Office of Research, Executive Director, Michigan Institute for Clinical and Health Research, Associate Dean for Clinical and Translational Research, Medical School, Director, Center for Consciousness Science, Bert N. La Du Professor and Associate Chair of Anesthesiology Research, Associate Professor, Department of Neurosurgery, University of Michigan Health System, University of Michigan Health System, Ann Arbor, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the history of translational research in the modern era; and (2) Describe the phases of translational research.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: EEP



9:30 am – 11:00 am

Panel – 01



Integrated Quality Trauma Care: From Concepts to Reality

Moderator: Miguel A. Cobas, MD, FCCM, Associate Professor of Clinical Anesthesiology, Program Director, Critical Care Medicine Fellowship, University of Miami Health System, Miami, Florida; Treasurer, SOCCA

Panelists:

- **Comprehensive Trauma Care: From Concept to Reality**
Miguel A. Cobas, MD, FCCM
- **Trauma and Regional Anesthesia: Mutually Exclusive?**
Ronald W. Pauldine, MD, Clinical Professor and Chief, Critical Care Medicine, University of Washington Medicine, Seattle, Washington
- **Practical Guide to Trauma Readiness: Perspective of the Anesthesiologist**
Roman Dudaryk, MD, Assistant Professor of Clinical Anesthesiology, University of Miami Health System, Miami, Florida
- **Quality of Trauma Care: Is Your Skin in the Game?**
Thomas E. Grissom, MD, FCCM, Associate Professor, Department of Anesthesiology, R Adams Cowley Shock Trauma Center, University of Maryland School of Medicine, Baltimore, Maryland
- **From Lifesaver to Lifetime Care**
Maureen McCunn, MD, MIPP, FCCM, Professor, Department of Anesthesiology, R Adams Cowley Shock Trauma Center, University of Maryland School of Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Differentiate the acute care and the chronic care needs of patients following traumatic injury; (2) Develop a model for a perioperative and long-term care plan; (3) Integrate cognitive aids and checklists into practice of trauma anesthesiology; (4) Identify most common institutional barriers of massive transfusion protocol application in resuscitation of trauma patient; (5) Formulate a plan for anesthesiology group involvement in care of trauma patient outside of operating room; (6) Review the most common opportunities and techniques for regional anesthesia in the trauma patient; and (7) Discuss the need for quality measures and reproducibility in trauma outcomes.

This session is part of the SOCCA Focus on Critical Care Day and available to SOCCA registrants complimentary.

Subspecialty Key: BLD, CC, EEP, PS, PA, RA, T

Panel – 02

Recent Advances in Neural Circuit Mechanisms of General Anesthesia

Co-Moderator: Ken Solt, MD, Associate Professor of Anaesthesia, Harvard Medical School; Associate Anesthetist, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

Co-Moderator: Max B. Kelz, MD, PhD, David E. Longnecker Associate Professor of Anesthesiology and Critical Care, Chair of Admissions, Department of Neuroscience MD PhD Program, MSTP Program Advisor, Director for Research Education, Department of Anesthesiology and Critical Care, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania

Panelists:

- **Anesthesia Stabilizes the Brain**
Alexander Proekt, MD, PhD, Assistant Professor of Anesthesiology and Critical Care, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania
- **Studying Neural Circuit Mechanisms of Anesthesia with Functional Magnetic Resonance Imaging (fMRI)**
Oluwaseun Johnson-Akeju, MD, Assistant Professor, Anaesthesia, Harvard Medical School; Anaesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts
- **Sevoflurane: Molecules to Resting-State Networks**
Benjamin J. A. Palanca, MD, PhD, MSc, Assistant Professor, Anesthesiology, Washington University School of Medicine in St. Louis, St. Louis, Missouri
- **Scrambling the Brain: Isoflurane Effects on Firing Properties of Neuronal Subpopulations in Intact Mouse Cortex Revealed Through Calcium Imaging**
Andrew Hudson, MD, PhD, Assistant Professor-In-Residence, Department of Anesthesiology, David Geffen School of Medicine, Ronald Reagan UCLA Medical Center, Los Angeles, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe recent advances in characterizing changes in neuronal activity that accompany loss and recovery of consciousness; (2) Assess the potential implications of these findings for detecting awareness on the basis of brain activity; (3) Identify the physiological basis and limitations of blood-oxygenation-level dependent (BOLD) fMRI; (4) Describe how fMRI methods complement electrophysiological recordings to improve our understanding of anesthetic actions at the circuit level; (5) Summarize the targets of sevoflurane at the level of molecules, electrophysiological correlates, and distributed brain regions, and relate that a disordered balance in excitatory and inhibitory neural circuitry may underlie intraoperative epileptiform activity, paradoxical excitation, and emergence agitation; and (6) Describe how microcircuits in the cerebral cortex are affected by volatile anesthetics.

Subspecialty Key: AP, BLD, NR, PME, PM

9:30 am – 12:30 pm

Symposium-01



Recognizing the “Painful” Truths of the Opioid Abuse Epidemic

Moderator: Y.S. Prakash, MD, PhD, Professor of Anesthesiology and Physiology, Vice Chair, Department of Anesthesiology and Perioperative Medicine, Chair, Department of Physiology and Biomedical Engineering, Mayo Clinic, Rochester, Minnesota

Panelists:

- **Understanding and Responding to the Intersecting Issues Related to Pain and Opioid Misuse**
Wilson Compton, MD, MPE, Deputy Director, National Institute on Drug Abuse, Bethesda, Maryland
- **FDA’s Role in Addressing the Opioid Epidemic**
Ellen Fields, MD, MPH, Deputy Director, Division of Anesthesia, Analgesia, and Addiction Products (DAAAP), Office of New Drugs, Center for Drug Evaluation and Research, FDA, Silver Spring, Maryland
- **Frontlines of the Opioid Epidemic**
Lynn Webster, MD, Vice President of Scientific Affairs, PRA Health Sciences; Immediate Past President, American Academy of Pain Medicine, Raleigh, North Carolina
- **Mechanisms of Opioid Abuse: Dissecting Necessary From Unnecessary Need**
Mary Jeanne Kreek, MD, Senior Attending Physician, Patrick E. and Beatrice M. Haggerty Professor, Laboratory of the Biology of Addictive Diseases, The Rockefeller University, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the breadth and impact of the opioid abuse epidemic; (2) Describe biological mechanisms that may contribute to opioid abuse and addiction; (3) Review the federal regulatory processes that are working towards limiting and eliminating the opioid abuse epidemic; and (4) Relate ongoing efforts to develop novel therapies to treat and deter opioid abuse.

This session is part of the Aligned Meeting Day and available complimentary to AUA and SOCCA registrants.

Subspecialty Key: AP, EEP, NR, PME, PM, PS

10:45 am – 11:45 am

PBLD – 02

Traumatic Cardiac Arrest: Outcomes, Algorithms and Advances

Presenter: Andrew Milne, MBChB, Visiting Clinical Instructor, University of California School of Medicine, San Francisco; Zuckerberg San Francisco General Hospital, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss outcomes after traumatic cardiac arrest (TCA); (2) Apply effectively a TCA protocol; (3) Recognize and effectively manage reversible causes of TCA; and (4) Discuss recent advances and changes in the practice and management of TCA.

Session has limited seating and pre-registration is required.

Subspecialty Key: CA, CC, EEP, T

Tabletop Exhibits Area

Be sure to visit the Tabletop Exhibits, Saturday, May 6 through Monday, May 8. Plus, attend the Alignment Reception on Saturday, May 6, from 6:00 pm – 7:30 pm.

Tabletop Exhibit Hours:

Saturday, May 6. 6:30 am – 4:00 pm

Alignment Reception 6:00 pm – 7:30 pm

Sunday, May 7. 6:30 am – 4:00 pm

Monday, May 8. 6:30 am – 9:30 am



The Lincoln Memorial is in the form of a Greek Doric temple and contains a large seated sculpture of Abraham Lincoln and inscriptions of two well-known speeches by Lincoln, “The Gettysburg Address” and his Second Inaugural Address.

10:45 am – 11:45 am, continued

Scholars' Program

Scholar-02: Keynote Session: Rigor and Reproducibility Across the Translational Spectrum

Moderators:

Sinziana Avramescu, MD, PhD, FRCPC, Assistant Professor, Department of Anesthesia, University of Toronto; Staff Anesthesiologist, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada; Regional Representative: International, eSAS

Katie J. Schenning, MD, MPH, Assistant Professor, Department of Anesthesiology & Perioperative Medicine, Oregon Health & Science University, Portland, Oregon, Co-Chair Membership, eSAS

Panelists:

■ **Trouble in the Laboratory: Problems with Rigor and Precision**

James C. Eisenach, MD, FM James, III Professor of Anesthesiology and Physiology & Pharmacology, Wake Forest School of Medicine; Wake Forest Baptist Health, Winston-Salem, North Carolina; President, Foundation for Anesthesia Education and Research (FAER), Immediate Past Editor-in-Chief, *Anesthesiology*

■ **Reproducibility Crisis in Scientific Research**

Steven L. Shafer, MD, Professor of Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Stanford, California; Adjunct Associate Professor of Bioengineering and Therapeutic Sciences, University of California, School of Medicine, dSan Francisco, San Francisco, California School of Medicine; Immediate Past Editor-in-Chief, *Anesthesia & Analgesia*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the fundamental link between evidence, reproducibility, and scientific “truth;” (2) Explain why statistical tests proposed nearly a century ago (e.g., “ $P < 0.05$ ”) may not be appropriate given the current pace of scientific discovery; (3) Describe some of the evidence documenting that a significant fraction of the scientific literature cannot be reproduced; (4) Evaluate why this is a general problem in investigation, and not unique to any specific domain (e.g., economics vs. biomedicine) or type of research (e.g., clinical research, basic science research, epidemiology); and (5) Recall steps that the scientific community is taking to ensure that published studies have a reasonable likelihood of being reproducible, so that the conclusions of research can be used to guide patient care and inform future research.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: EEP, PS

11:15 am – 12:45 pm

Panel – 03



Defining Value in Regional Anesthesia

Moderator: Colin McCartney, MBChB, PhD, FRCA, FRCPC, Professor and Chair of Anesthesiology, University of Ottawa; Head of Anesthesiology, The Ottawa Hospital; Scientist, Ottawa Hospital Research Institute, Ottawa, Ontario, Canada

Panelists:

■ **What Are the Important Outcomes and Who Gets to Define Them?**

Colin McCartney, MBChB, PhD, FRCA, FRCPC

■ **How Do We Measure Costs Related to Regional Anesthesia?**

F. Kayser Enneking, MD, Professor of Anesthesiology, Orthopedics and Rehabilitation, University of Florida College of Medicine, Gainesville, Florida

■ **What is the Value in Regional Anesthesia?**

Edward Mariano, MD, MS, Associate Professor of Anesthesiology, Veterans Affairs Palo Alto Health Care System, Palo Alto, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Evaluate the perioperative goals of patients and providers and how this can be modified by regional anesthesia and acute pain medicine; (2) Assess the system costs and benefits of a robust regional anesthesia and acute pain service; and (3) Identify aspects of value-based funding reforms across the U.S., Canada and the UK and how regional anesthesia can facilitate the IHI Triple Aim (patient experience, population health, and cost) within those reforms.

Subspecialty Key: EEP, PM, PA, RA



The Smithsonian Institution Building is constructed of Seneca red sandstone in the faux Norman style and is nicknamed The Castle.

Panel – 04

Hot Topics in Pediatric Anesthesia: Things That Drive You Nuts!

Moderator: Santhanam Suresh, MD, Arthur C. King Professor and Chair of Pediatric Anesthesiology, Ann & Robert H. Lurie Children's Hospital of Chicago; Professor of Anesthesiology and Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Panelists:

■ Anesthetic Practices That Just Drive Me Crazy!

Myron Yaster, MD, Richard J. Traystman Distinguished Professor, Department of Anesthesiology, Critical Care Medicine and Pediatrics, Johns Hopkins Medicine, Baltimore, Maryland, Visiting Professor, Anesthesiology, University of Colorado School of Medicine, Aurora, Colorado

■ 10 Things That Drive Me Crazy in Pediatric Anesthesia

Eugenie (Genie) Heitmiller, MD, FAAP, Joseph E Robert, Jr. Professor and Chief of Anesthesiology, Pain and Perioperative Medicine; Children's National Health System; Professor of Anesthesiology and Pediatrics, George Washington School of Medicine and Health Sciences, Washington, District of Columbia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify current controversial areas in pediatric anesthesia; (2) Employ the use of evidenced-based literature to support the controversies; (3) Demonstrate improved pediatric anesthesia care through advanced knowledge; (4) Assess variations in practice in pediatric anesthesia; and (5) Discuss recent evidence to guide practice.

Subspecialty Key: PED

12:00 pm – 1:00 pm

PBLD – 03

Anesthesia for Thoracic Endovascular Aortic Repair (TEVAR), Arch Repair and Rapid Right Ventricular Pacing

Presenters:

Ahmed M. Shalabi, MD, Assistant Professor, Anesthesia and Perioperative Care, University of California, San Francisco School of Medicine, San Francisco, California

Michael P. Bokoch, MD, Clinical Instructor, Anesthesia and Perioperative Care, University of California, San Francisco School of Medicine, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define the anatomy of complex thoracic aortic aneurysms as they relate to anesthetic management, including vascular access, monitoring issues, planning of extra-anatomic bypasses, and the latest stent graft technologies including branched and snorkel devices; (2) Describe intraoperative monitoring, anesthetic management and hemodynamics, including a description of rapid right ventricular pacing as a generally safe and reversible technique for lowering the cardiac output during stent deployment (thus facilitating stenting of aneurysms with narrow proximal landing zones); (3) Assess the risks and management of central nervous system ischemia during thoracic endovascular repair; including the risk of embolic stroke during aortic arch stenting, with attention to early detection, optimization of cerebral perfusion, and (4) Discuss spinal cord perfusion and protection, as well as the management of periprocedural antiplatelet agents.

Session has limited seating; pre-registration is required.

Subspecialty Key: AP, BLD, CA, NR, PA

Session Proposal Submission Site *Now Open* for the IARS 2018 Annual Meeting!

Contribute to the IARS mission to encourage and stimulate innovative and forward-thinking anesthesia research and education! Submit your session proposal today and be a part of the IARS 2018 Annual Meeting and International Science Symposium education program!

IARS will be accepting proposals for Panels, Problem-Based Learning Discussion (PBLD) sessions, Review Course Lectures, Symposia, and Workshops for possible inclusion in the IARS 2018 Annual Meeting and International Science Symposium, April 28 – May 1, 2018, in Chicago, Illinois.

Deadline to Submit Session Proposals: Friday, July 21, 2017

12:00 pm - 1:00 pm

Scholars' Program

Scholar-03: Plenary Session I: Expanding Our Horizons in Anesthesiology Research Training

Moderators:

Julie Freed, MD, PhD, Adult Cardio-Thoracic Anesthesiology Fellow, Department of Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin; Co-Chair Partnerships, eSAS

James W. Ibinson, MD, PhD, Assistant Professor, Department of Anesthesiology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

Presenters:

Developing Skills in Commercialization: Adapting Elements of the NSF I-CORPs Program to Create a Customized Program for Academic Physicians

Connie Chang, MBA, Managing Director, Fast Forward Medical Innovation, University of Michigan Health System, Ann Arbor, Michigan

The Challenges of Building Diversity in Academic Anesthesiology

Paloma Toledo, MD, MPH, Assistant Professor of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Demonstrate the unique characteristics of biomedical commercialization (e.g., investment timelines for different product verticals; regulatory approval process considerations; health care reimbursement); (2) Underline the key elements of the commercialization process as described by the Lean Startup concept (e.g., simplified business plan, understanding value propositions and workflow impacts, and framing hypotheses to be tested with potential customers), and how the commercialization process relates to research and resulting biomedical innovations from medical academicians; (3) Discuss the core components of the Early Technology Development (ETD) Course at the University of Michigan; and (4) Construct the framework and process for developing and implementing the ETD Course at your home institution, resources required, and expected outcomes.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: EEP

1:00 pm - 2:00 pm

Scholars' Program

Scholar-04: Lunch Session: Inspirational Tales of Career Success

Moderator: Michael S. Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery, Director, INQUIRI, Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care, Washington University School of Medicine in St. Louis, St. Louis, Missouri; President-Elect, AUA

Presenters:

■ **How to Maximize Your Success in Academia: Tips for Junior Faculty**

Oluwaseun Johnson-Akeju, MD, Assistant Professor, Anaesthesia, Harvard Medical School; Anaesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

■ **Anesthesia, Informatics & Health Policy:**

My Unexpected Journey to Nashville

Jesse Ehrenfeld, MD, MPH, Associate Professor of Anesthesiology, Bioinformatics, Surgery, and Health Policy; Director of Education Research, Vanderbilt Office of Health Sciences Education; Associate Director, Anesthesiology and Perioperative Informatics Research Division, Vanderbilt University Medical Center, Nashville, Tennessee; Chair, Massachusetts Committee on LGBT Health, Chair, Massachusetts General Hospital LGBT Employee Resource Group, Member, Board Committee on Quality at Fenway Community Health Center

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify common deficiencies that hinder success; (2) Develop strategies to address these common deficiencies; (3) Review the many facets of the process of career decision-making; (4) Discuss your particular obstacles to career decision-making; and (5) Describe a strategy to self-identify your interest areas.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: EEP

2:00 pm - 2:45 pm

Review Course Lecture – 01

ECMO (Extracorporeal Membrane Oxygenation): Implications for Anesthesiology and Critical Care

Presenter: Peter Von Homeyer, MD, FASE, Associate Professor, University of Washington Medicine, Seattle, Washington

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss principles and different modalities of Extracorporeal Membrane Oxygenation (ECMO); (2) Describe the indications and contraindications for ECMO; (3) Discuss common clinical problems and complications of ECMO; (4) Describe ECMO outcomes and data; and (5) Evaluate perioperative implications of ECMO.

Subspecialty Key: AM, CA, CC, PA, RES

2:00 pm - 3:00 pm

PBLD – 04

Airway Management in Penetrating Neck Trauma

Presenter: Albert J. Varon, MD, MHPE, Miller Professor and Vice Chair for Education, Department of Anesthesiology, University of Miami Miller School of Medicine; Chief of Anesthesiology, Ryder Trauma Center, Miami, Florida

Learner Objectives: After participating in this activity, the learner will be able to: (1) Relate the anatomic location of penetrating neck trauma to the most likely associated injuries, the probability of airway management problems, and the need for surgical intervention; (2) Evaluate a patient for the presence of airway injury after penetrating neck trauma; and (3) Determine the need and a management plan for securing the airway in a patient with suspected airway injury.

Session has limited seating and pre-registration is required.

Subspecialty Key: AM, CC, PA, RES, T

2:00 pm - 3:30 pm

Panel – 05

EEG Monitoring for Anesthetic Management: A Practical Case Study Approach to Personalized Anesthesia Care

Moderator: Patrick L. Purdon, PhD, Nathaniel M. Sims Endowed Scholar in Anesthesia Innovation and Bioengineering, Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital; Associate Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Panelists:

- **Basic Principles for EEG Monitoring of Anesthetic Brain States**
Patrick L. Purdon, PhD
- **Using EEG to Teach Delivery of TIVA**
Donald Mathews, MD, Professor of Anesthesiology, The University of Vermont Health Network, Burlington, Vermont
- **EEG Case Studies: Clinical Neuroscience in the Operating Room**
Emery N. Brown, MD, PhD, Warren M. Zapol Professor of Anaesthesia, Harvard Medical School, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital; Edward Hood Taplin Professor of Medical Engineering, Institute for Medical Engineering and Science; Professor of Computational Neuroscience, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Boston, Massachusetts
- **Monitoring EEG Waveforms to Manage General Anesthesia and Avoid Postoperative Delirium**
Michael S. Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery, Director, INQUIRI, Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care, Washington University School of Medicine in St. Louis, St. Louis, Missouri; President-Elect, AUA

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify EEG spectrograms and waveforms associated with different anesthetic drugs and states of unconsciousness or sedation; (2) Describe the mechanisms underlying these EEG dynamics; (3) Apply strategies for EEG-guided anesthetic management, using unprocessed EEG waveforms and EEG spectrograms, under a variety of clinical scenarios; and (4) Discuss the relationships between intraoperative brain states and postoperative cognitive outcomes.

Subspecialty Key: AP, CA, EEP, NR, PS

2:00 pm - 3:30 pm, continued _____

Panel – 06

Anesthesiology in the Future: How Changes in Science and Technology Will Change Your Clinical Practice

Moderator: Ronald Pearl, MD, PhD, Dr. Richard K. and Erika N. Richards Professor and Chair, Department of Anesthesiology, Pain and Perioperative Medicine, Stanford University School of Medicine, Stanford, California

Panelists:

- **How Changes in Science and Technology Will Change Your Clinical Practice**
Ronald Pearl, MD, PhD
- **How Research in Anesthesiology Will Transform Clinical Practice in Anesthesiology**
Alex S. Evers, MD, Henry E. Mallinckrodt Professor of Anesthesiology, Professor of Internal Medicine and Developmental Biology, Washington University School of Medicine in St. Louis, St. Louis, Missouri
- **How Advances in Technology and Computing Will Transform Clinical Practice in Anesthesiology**
Steven L. Shafer, MD, Professor of Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Stanford, California; Adjunct Associate Professor of Bioengineering and Therapeutic Sciences, University of California, San Francisco School of Medicine, San Francisco, California; Immediate Past Editor-in-Chief, *Anesthesia & Analgesia*
- **How Advances in Science and Medicine Will Transform Clinical Practice in Anesthesiology**
Marie Csete, MD, PhD, President and Chief Scientific Officer, Huntington Medical Research Institutes, Pasadena, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe how current and future research advances such as anesthetic agents without cardiovascular or hemodynamic effects will affect the clinical practice of anesthesiology; (2) Discuss how advances in technology and information processing will affect the clinical practice of anesthesiology; (3) Relate how advances in areas such as gene therapy and regenerative medicine will affect the future of both surgery and anesthesiology; and (4) Design strategies to prepare for a major transformation in the clinical practice of anesthesiology.

Subspecialty Key: AP, BLD, CC, PS, TCSEM

Scholars' Program

Scholar-05: NIH Funding for Transition to an Early Independence: Information Session and Q&A with NIH Representatives

Moderators:

Aaron J. Norris, MD, PhD, Anesthesiology Specialist, Barnes Jewish Hospital, St. Louis, Missouri; Chair Events, eSAS

Vivianne L. Tawfik, MD, PhD, Instructor, Department of Anesthesiology, Perioperative and Pain Medicine, Assistant Director, Fellowship in Anesthesia Research & Medicine Program, Stanford University School of Medicine, Stanford, California; Co-President, eSAS

Presenters:

- **Funding Opportunities for Early-Career Investigators at the National Institute of General Medical Sciences (NIGMS)**
Alison Cole, PhD, Branch Chief, Pharmacological and Physiological Sciences Branch, Division of Pharmacology, Physiology, and Biological Chemistry, National Institute for General Medical Sciences, Bethesda, Maryland
- **Funding Opportunities for Early-Career Investigators at the National Institute on Aging (NIA)**
Luci Roberts, PhD, Director, Division of Planning, Evaluation & Analysis, Office of Planning, Analysis and Communication (OPAC), National Institutes of Health (NIH), Bethesda, Maryland
- **Jane Scott, PhD**, Director, Office of Research Training & Career Development, National Heart, Lung, and Blood Institutes, National Institutes of Health (NIH), Bethesda, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify NIH funding opportunities to help young investigators transition to an independent research career; (2) Identify NIH institutes that support research and training related to anesthesiology; (3) Describe tools and resources available to identify prospective NIH funding opportunities; (4) Describe the opportunities NIH offers to facilitate the transition to an independent research career; and (5) Demonstrate the tools available to identify prospective funding opportunities.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: EEP

2:00 pm - 5:00 pm

Workshop – 01

**Focused Cardiac Ultrasound (FoCUS):
It's for Everyone!**

Workshop Leader: Josh Zimmerman, MD, FASE, Associate Professor and Medical Director, University of Utah Preoperative Clinic; Director, Perioperative Echocardiography Service, University of Utah Health Care, Salt Lake City, Utah

Presenters:

Orode Badakhsh, MD, Assistant Professor, Anesthesiology, University of California, Davis Medical Center, Davis, California

Bradley Coker, MD, Assistant Professor, Anesthesiology, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama

Jason Harig, MD, Assistant Professor, Clinical, Anesthesiology, University of Utah Health Care, Salt Lake City, Utah

John Skaggs, MD, Associate Professor of Anesthesiology, University of Utah Health Care, Salt Lake City, Utah; American Board of Anesthesiology

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify indications for FoCUS; (2) Perform a FoCUS exam; and (3) Identify significant ventricular or valvular abnormalities.

Subspecialty Key: CA, CC, EEP

Session Proposal Submission Site Now Open for the IARS 2018 Annual Meeting!

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**Deadline to Submit Session Proposals:
Friday, July 21, 2017**

3:00 pm - 3:45 pm

Review Course Lecture – 02



Perioperative Ultrasound

Presenter: Michael Haney, MD, PhD, Department of Surgical and Perioperative Sciences, Anesthesiology and Intensive Care Medicine, Umeå University, Umeå, Sweden

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify clinical situations, in a practice like one's own, where diagnostic imaging with ultrasound by an anesthesiologist can provide support in pre-operative risk assessment and anesthetic planning; (2) Demonstrate how diagnostic imaging with ultrasound by an anesthesiologist can support clinical decision-making and problem-solving for many different common acute perioperative patient problems; (3) Demonstrate that diagnostic imaging with ultrasound by an anesthesiologist can support clinical decision-making, particularly in the setting of acute perioperative cardiovascular collapse or cardiopulmonary resuscitation; and (4) Demonstrate how relatively basic ultrasound education, training, and practice, combined with access to both relatively simple, portable as well as advanced, sophisticated ultrasound imaging devices in the perioperative practice setting can be organized and conducted effectively in order to introduce and maintain this diagnostic modality option in clinical perioperative practice.

This session is part of the SOCCA Focus on Critical Care Day and available to SOCCA registrants complimentary.

Subspecialty Key: CC, EEP

4:00 pm - 4:45 pm

Review Course Lecture – 03

Blood Components and Blood Derivatives

Presenter: Marisa Marques, MD, Professor of Pathology and Program Director, Department of Pathology, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama

Learner Objectives: After participating in this activity, the learner will be able to: (1) Recall when to order modified blood components such as red cells and platelets; (2) Evaluate why plasma is no longer indicated for emergent warfarin reversal; and (3) Describe why activated coagulation factor concentrates are necessary to reverse the new oral anticoagulants in the absence of a specific antidote.

Subspecialty Key: AP, BLD, CA, CC, PA, PS

4:00 pm - 5:00 pm

PBLD- 05



Sepsis: The Deadly Superbug

Presenter: Peggy White, MD, Assistant Professor of Medicine, Associate Program Director of the Multi-disciplinary Adult Critical Care Medicine Fellowship, University of Florida College of Medicine, Gainesville, Florida

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify patients at risk for sepsis by applying current evidence-based scoring systems; (2) Review and apply the current evidence in the management of a septic patient; and (3) Describe agents available to treat infections caused by multi-drug resistant bacteria - "superbugs."

This session is part of the SOCCA Focus on Critical Care Day and available to SOCCA registrants complimentary. Session has limited seating and pre-registration is required.

Subspecialty Key: CC, PA, PS, T

Scholars' Program

Scholar-06: Plenary Session II: Precision Medicine: What Anesthesiology Can Contribute

Moderators:

Michael Robert Mathis, MD, Clinical Lecturer, Cardiovascular Anesthesia, University of Michigan Health System, Ann Arbor, Michigan; Regional Representative: Mid-West, eSAS

Elizabeth L. Whitlock, MD, MSc, Clinical Instructor and T32 Research Fellow, Department of Anesthesia and Perioperative Care, University of California School of Medicine, San Francisco School of Medicine, San Francisco, California; Co-President, eSAS

Panelists:

■ Pharmacogenomics in Anesthesiology

Debra A. Schwinn, MD, Associate Vice President for Medical Affairs, Professor of Anesthesiology, Pharmacology and Biochemistry, Carver College of Medicine, University of Iowa Health Care, Iowa City, Iowa

■ The National Precision Medicine Initiative

Sachin Kheterpal, MD, MBA, Associate Professor of Anesthesiology, University of Michigan Health System, Ann Arbor, Michigan; Member, NIH Advisory Panel on Precision Medicine

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the importance of precision medicine and how it relates to pharmacogenomics; (2) Relate how to be successful as a clinician scientist in pharmacogenomics; (3) Propose a vision about future opportunities and directions in the areas of pharmacogenomics; (4) Discuss the importance of precision medicine and how it relates to big data; (5) Relate how to be successful as a clinician scientist in the world of big data; and (6) Evaluate future opportunities and directions in big data research in anesthesiology in the context of the National Precision Medicine Initiative.

This special Scholars' Program will have broad appeal, particularly to early-stage scholars in anesthesiology. Seating is limited and requires pre-registration and an additional \$50 fee to attend.

Subspecialty Key: AP, EEP, PA



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Mtgs App, available for iPhone, iPad, Android, and HTML5 for Blackberry in the Google Play and Apple Stores. Your username for the app is the email with which you registered for the Annual Meeting. The password for all users is: **iars2017**. Expand your professional network and make the most of your Annual Meeting experience!

4:00 pm - 5:30 pm

Panel – 07

Hypoxia and Perioperative Organ Dysfunction: Monitoring at the Level of the Cell

Moderator: Thomas F. Floyd, MD, Professor, Department of Anesthesiology, Stony Brook University School of Medicine, Stony Brook, New York

Panelists:

- **Cellular Hypoxia in Perioperative Organ Dysfunction: Below the Radar of Current Monitoring Technology**
Thomas F. Floyd, MD
- **Understanding Cellular Hypoxia Signaling to Define Organ-Specific Thresholds for RBC Transfusion**
Gregory Hare, MD, PhD, Professor of Anesthesia, University of Toronto; Staff Anesthesiologist, St. Michael's Hospital, Toronto, Ontario, Canada
- **Cutaneous Mitochondrial pO₂ Monitoring in the Management of Transfusion**
Luuk H.L. Römers, AIOS Anesthesiology, Erasmus MC University Medical Centre; Medical Manager Ambulance, AmbuCARE; Full Instructor, Advanced Life Support (ALS), ERC European Resuscitation Council, Rotterdam, Netherlands

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the role of hypoxia in perioperative organ dysfunction; (2) Describe the limitations of systemic level monitoring of oxygenation in bench research and in the clinical environment; and (3) Evaluate evolving cell level technologies that may allow for improved guidance in clinical management.

Subspecialty Key: AM, BLD, CC, PS, PA, RES, TCSEM

Panel – 08

Improving Health Care Delivery by Improving Communication: Strategies for Enhanced Team Effectiveness and Learning

Moderator: Marjorie Stiegler, MD, Associate Professor of Anesthesiology, University of North Carolina at Chapel Hill School of Medicine, Director and Co-Founder, CAPSEL, Member, Resident Education Committee and Patient Safety/Quality Improvement Committee, Chapel Hill, North Carolina

Panelists:

- **Focusing on Communication: From Intake to Output**
Rebecca D. Minehart, MD, MSHPEd, Assistant Professor, Anaesthesia; Harvard Medical School; Assistant Program Director, Anesthesia Residency; Program Director, Obstetric Anesthesia Fellowship, Massachusetts General Hospital, Boston, Massachusetts
- **More Meaningful Communication Using a Language Rubric**
May C. M. Pian-Smith, MD, MS, Associate Professor, Anaesthesia, Harvard Medical School; Director of Quality and Safety, Anaesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts
- **Cognitive Reframing for More Effective Leadership: A Practical Approach**
Marjorie Stiegler, MD

Learner Objectives: After participating in this activity, the learner will be able to: (1) Distinguish between frames and facts when evaluating the motivations of other people's behavior, including our own unconscious and emotional contributions to this process; (2) Identify the four steps in decision behavior surrounding communication, from data observation to action in response to that data; (3) Apply emotional management strategies and a reframing process for more effective responses to otherwise challenging situations; and (4) Employ a language rubric to improve directness and understanding and maintain interpersonal relationships.

Subspecialty Key: EEP, PS

5:00 pm - 5:45 pm

Review Course Lecture – 04



How to Decide if Neuraxial Techniques Are Safe in the Face of Possible Hematologic Contraindications

Presenter: Lisa Rae Leffert, MD, Associate Professor, Anaesthesia, Harvard Medical School; Chief, Division of Obstetric Anesthesia, Massachusetts General Hospital, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Appraise the relative risks and benefits of neuraxial analgesia and anesthesia in obstetric patients with thrombocytopenia; (2) Propose a rational plan for anesthetic management; (3) Relate the impact of the new VTE thromboprophylaxis BUNDLE guidelines to the anesthetic management of obstetric patients; (4) Apply existing tools to make decisions regarding neuraxial anesthesia in these patients; (5) Evaluate Factor FXI, von Willebrand, and other factor deficiencies in obstetric patients and the impact on the candidacy for neuraxial analgesia or anesthesia; and (6) Differentiate between the available hematologic testing devices and test results (e.g. thromboelastography, ROTEM, fibtem; aPTT, anti-Xa levels) to identify appropriate clinical applications when evaluating the risk of epidural hematoma in obstetric patients.

Subspecialty Key: AP, BLD, OB, RA

5:00 pm - 6:00 pm

Scholars' Program

Mentor-Trainee Reception

Meet your mentor, socialize and discuss the curriculum and tips for advancing your career with your fellow scholars at the Scholars' Program Mentor-Trainee Reception.

The Scholars' Program and Mentor-Trainee Reception requires pre-registration and an additional \$50 fee.

6:00 pm - 7:30 pm

Alignment Reception

Attend a special Alignment Reception on Saturday, May 6, from 6:00 pm to 7:30 pm, to toast the alignment of three must-attend anesthesia Annual Meetings that bring together the leading minds in anesthesiology in all subspecialties in one location.

IARS Poster Printing via Call4Posters™

The IARS 2017 Annual Meeting and International Science Symposium has selected Call4Posters™ as its preferred poster printing partner. You may pick up your poster from the Call4Posters™ Tabletop Exhibit in the Independence A Foyer.

Poster Pickup Hours

Saturday, May 6 6:00 am - 10:30 am
Sunday, May 7 6:00 am - 2:00 pm
Monday, May 8 6:00 am - 2:00 pm

Questions? View the Call4Posters™ website at www.call4posters.com/IARS, or you may email at societyposter@learnersdigest.com or call at 800-450-4194 (inside the United States) or 507-323-8500 (outside the United States).

Kosaka Best of Meeting Abstract Awards Session

The Kosaka Best of Meeting Abstract Awards Session on Sunday, May 7, from 11:00 am - 1:00 pm, is supported by the Japan Society for Clinical Anesthesia (JSCA) and the International Anesthesia Research Society (IARS).

During this two hour session, the top 30 abstract Finalists in Clinical Research, Basic Science, and Scholar Abstract categories will display their research in the session room for viewing. The nine Top Finalists in the abstract categories will also present their original abstracts orally and compete for the top award in their category and a \$500 prize each. Attend and cheer for them!

Daily Schedule-at-a-Glance

6:00 am – 6:00 pm Registration

9:30 am – 12:30 pm **International Science Symposium:**

7:30 am – 5:45 pm **Concurrent Sessions:**

Pain: From Molecules to Medicine

- Panels
- Problem-Based Learning Discussions (PBLDs)
- Review Course Lectures (RCLs)
- Workshops
- Moderated Poster Discussion Sessions

11:00 am – 1:00 pm **Kosaka Best of Meeting Abstract Awards Session**

6:30 am – 4:00 pm Tabletop Exhibits

Sunday, May 7

7:30 am – 9:00 am

Panel – 09



Perioperative Management of Heart Failure in Noncardiac Surgery

Moderator: Angela F. Edwards, MD, Associate Professor of Anesthesiology, Section Head, Perioperative Medicine, Wake Forest University School of Medicine; Wake Forest Baptist Health, Winston-Salem, North Carolina; Vice President, SPAQI

Panelists:

■ Preoperative Optimization and Perioperative Management of Left Heart Failure

BobbieJean Sweitzer, MD, FACP, Professor of Anesthesiology, Director of Preoperative Medicine, Northwestern University Feinberg School of Medicine, Chicago, Illinois; Board of Directors, SPAQI

■ Preoperative Optimization and Perioperative Management of Right Heart Failure

Zdravka Zafirova, MD, Assistant Professor, Department of Anesthesiology and Critical Care, Director of Anesthesia, Preoperative Evaluation and Testing, Icahn School of Medicine at Mount Sinai, The Mount Sinai Hospital, New York, New York

■ Perioperative Assessment and Management of the Patient with Ventricular Assist Device

Roger Royster, MD, Professor of Anesthesiology and Critical Care, Wake Forest University School of Medicine; Wake Forest Baptist Health, Winston-Salem, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the implications of heart failure on perioperative risk; (2) Identify testing to risk-stratify patients and guide care; and (3) Design and apply processes to improve outcomes for patients with heart failure.

Subspecialty Key: CA, CC, EEP, PA

Subspecialty Key

AM Airway Management

EEP Economics, Education and Policy

OB Obstetric Anesthesiology

RA Regional Anesthesia

AMB Ambulatory Anesthesia

GA Geriatric Anesthesia

PME Pain Mechanisms

RES Respiration

AP Anesthetic Pharmacology

GH Global Health

PM Pain Medicine

SM Sleep Medicine

BLD Blood Management

L Liver

PS Patient Safety

TCSEM Technology, Computing and Simulation, Equipment Monitoring

CA Cardiovascular Anesthesiology

NR Neuroscience in Anesthesiology and Perioperative Medicine

PED Pediatric Anesthesiology

T Trauma

CC Critical Care

O Obesity

PA Perioperative Anesthesia

7:30 am – 9:30 am

Panel – 10

SmartTots

The Neuroscience of Brain Development: Opportunities and Alternative Perspectives for Pediatric Anesthesia Research

Introduction: **Santhanam Suresh, MD**, Arthur C. King Professor and Chair of Pediatric Anesthesiology, Ann & Robert H. Lurie Children's Hospital of Chicago; Professor of Anesthesiology and Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Moderator: **Patrick L. Purdon, PhD**, Nathaniel M. Sims Endowed Scholar in Anesthesia Innovation and Bioengineering, Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital; Associate Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Panelists:

- **The Neurophysiology of General Anesthetic Drugs in Children: A Window into the Dynamics of the Developing Brain**
Patrick L. Purdon, PhD
- **Critical Periods of Plasticity During Childhood Development**
Takao K. Hensch, PhD, Professor, Molecular and Cellular Biology, Center for Brain Science; Professor of Neurology, Harvard Medical School; Boston Children's Hospital, Boston, Massachusetts
- **Anesthesia-Induced Brain Activity in Infants: Insights Into Early Childhood Development**
Laura Cornelissen, PhD, Research Associate, Boston Children's Hospital; Instructor in Anaesthesia, Harvard Medical School; Boston, Massachusetts
- **Bridging Bench and Bedside: A Novel Approach for Measuring Cognitive Function After Early Anesthetic Exposure in Animal Models and Children**
Jeffrey Sall, PhD, MD, Associate Professor, University of California, San Francisco School of Medicine, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Recall the basic neurobiology of critical-period plasticity in early childhood development; (2) Describe age-dependent changes in anesthesia-induced brain activity in children, and how this activity likely relates to the development of underlying brain circuits; (3) Discuss how anesthesia-induced brain activity differs in infants, and how the rapid changes in this activity likely relate to early childhood development; and (4) Identify novel approaches for characterizing cognitive function after anesthetic exposure in both children and animal models.

Subspecialty Key: AP, NR, PA, PED, PS

8:00 am – 8:45 am

Review Course Lecture – 05

Regional Anesthesia in Improving Outcomes

Presenter: **Colin McCartney, MBChB, PhD, FRCA, FRCPC**, Professor and Chair of Anesthesiology, University of Ottawa; Head of Anesthesiology, The Ottawa Hospital; Scientist, Ottawa Hospital Research Institute, Ottawa, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss why regional anesthesia has positive benefits on outcomes; (2) Identify those populations who have the most to benefit from regional anesthesia; and (3) Estimate conclusions to guide current practice and future research regarding best practice.

Subspecialty Key: EEP, RA

8:00 am – 9:00 am

PBLD – 06

Adult Congenital Heart Disease Patient Presenting for Noncardiac Surgery

Presenters:

Elvera L. Baron, MD, PhD, Fellow, Cardiothoracic Anesthesiology, Icahn School of Medicine at Mount Sinai, The Mount Sinai Hospital, New York, New York

Menachem Weiner, MD, Associate Professor of Anesthesiology, Icahn School of Medicine at Mount Sinai, The Mount Sinai Hospital, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe anatomy and physiology of transposition of the great vessels and Fontan repair; (2) Interpret physiologic changes associated with induction of general anesthesia in patients with single ventricle physiology; (3) Discuss hemodynamic goals used for safe anesthetic administration to patients with Fontan physiology; (4) Manage induction, maintenance, and emergence from general anesthesia in patients with single ventricle physiology; and (5) Appraise the advantages and disadvantages of different anesthetic choices for a range of noncardiac surgeries in patients with Fontan physiology.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, AP, CA, CC, OB, PA, PS, RA, T

9:30 am – 10:15 am

Review Course Lecture – 06

U.S. Anesthesia Workforce and Group Practice Trends: Data Sources and Research Questions

Presenter: Thomas Miller, PhD, MBA, Director of Health Policy Research, American Society of Anesthesiologists, Schaumburg, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify sources for national (U.S.) anesthesia workforce data and highlight their potential and limitations; (2) Compare popular declarations and myths from evidence-based trends concerning the anesthesia workforce, including group practice characteristics and geographic distribution of anesthesia professionals; and (3) Assemble a short list of anesthesia workforce-related research questions to review or undertake.

Subspecialty Key: EEP

9:30 am – 10:30 am

PBLD – 07

Not All Hyperthermia is Malignant Hyperthermia

Presenter: Adriaan Van Rensburg, MD, Assistant Professor, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define the risk of a malignant hyperthermia reaction after a non-trigger general anesthesia; (2) Describe the appropriate use of Dantrolene; (3) Describe the clinical situation, signs and symptoms of hypermetabolic syndromes during the perioperative period; and (4) Describe the risk factors, signs and symptoms, and management of a patient with serotonin syndrome.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, AP, CC, PA

9:30 am – 11:00 am

Panel – 11

Perioperative and Anesthesia-Related Mortality: Global Trends and Innovations

Moderator: Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE, Distinguished University Professor and Chair / Chief, London Health Sciences Centre, St. Joseph's Health Care London, Western University; Medical Director, MEDICI Centre, London, Ontario, Canada; WFSA Scientific Affairs Committee; Chair, IARS

Panelists:

- **Surgical or Anesthesia-Related Death: How Big Is the Risk for Developed and Developing Countries?**
Janet Martin, MSc (HTA&M), PharmD, Assistant Professor, Departments of Anesthesia and Perioperative Medicine, and Epidemiology and Biostatistics, Western University; Director, Centre for Medical Evidence, Decision Integrity and Clinical Impact, MEDICI Centre, London, Ontario, Canada
- **Global Capacity for Research and Implementation: The Role of You and The Role of WHO**
Meena Cherian, MD, Former Technical Officer, World Health Organization, Switzerland; Former Anesthesia Professor, Christian Medical College Hospital, Vellore, India
- **Global Issues and Coordinated Research Agenda for Perioperative and Anesthetic-Related Mortality: All Hands on Deck**
Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize an evidence-based overview of perioperative and anesthesia-related mortality in developed and developing countries; (2) Evaluate the progress of local and global initiatives focused on increasing access to safe surgery; (3) Identify remaining evidence gaps that impede the progress toward reducing surgical and anesthetic-related mortality; and (4) Formulate next steps for addressing evidence gaps through coordinated research agendas.

Subspecialty Key: CC, EEP, GH, PA

International Science Symposium

Sunday, May 7

9:30 am – 12:30 pm

Pain: From Molecules to Medicine

Over 100 million people in the U.S. alone suffer from chronic pain, but the treatments and medications do not meet the need, and often include severe side effects. Investigate the cellular and neurophysiological changes that lead to chronic pain development, and unearth new paradigms for synaptic physiology in relation to pain, offering broader implications for the control of cell-to-cell communication throughout the nervous system. Explore the world of pain medicine, and innovative approaches for the prevention and treatment of pain, including the targeting of specific cells, pathways and circuits.

Moderator:

Christian P. Werner, MD

Professor of Anesthesiology and Chairman, Department of Anesthesiology, Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany

Panelists:

Functional Neuroimaging of Pain, Affect and Cognition

Sean Mackey, MD, PhD

Redlich Professor of Anesthesiology, Perioperative and Pain Medicine, Neurosciences and Neurology, Chief, Division of Pain Medicine, Director, Stanford Systems Neuroscience and Pain Lab, Stanford University School of Medicine, Stanford, California

Optogenetic Tools for the Study and Treatment of Pain

Robert W. Gereau, PhD

Dr. Seymour and Rose T. Brown Professor of Anesthesiology, Professor, Neuroscience, Director, Washington University Pain Center, Washington University School of Medicine in St. Louis, St. Louis, Missouri

New Mechanisms Lead to New Treatments

Michael Salter, MD, PhD, FRSC

Chief of Research Institute, Senior Scientist, Neurosciences & Mental Health, The Hospital for Sick Children (SickKids); Professor, Department of Physiology and Faculty of Medicine, Professor, Institute of Medical Sciences and Faculty of Dentistry, University of Toronto, Toronto, Ontario, Canada

Phenotypic and Genotypic Predictors of Post-Surgical Pain

Chad M. Brummett, MD

Associate Professor, Anesthesiology, Director, Division of Pain Research, Director, Clinical Research, Department of Anesthesiology, University of Michigan Health System, Ann Arbor, Michigan

Learner Objectives:

After participating in this activity, the learner will be able to: (1) Discuss the concept of optogenetics and how you can use light to control neuronal activity; (2) Evaluate how optogenetics can be used to study neural circuits involved in pain, and how this approach could potentially be used to treat pain; (3) Identify the major hurdles to implementation of optogenetics for the treatment of pain and other neurologic conditions; (4) Discuss major advances in the pathobiology of acute and persistent pain at the molecular, cellular and neural systems levels; (5) Describe processing, plasticity and transmission of nociceptive information in the central nervous system; (6) Review the critical role of glia-neuron interactions in the pathological pain neuroplasticity; (7) Identify genetic and gender contributions to variability in pathological pain between individuals; (8) Describe the central nervous system pathophysiology of centralized pain disorders; (9) Discuss the clinical characteristics of patients with centralized pain; (10) Describe the proposed mechanism for opioid non-responsiveness after surgery; and (11) Describe the associations between centralized pain chronic pain outcomes after surgery.

Subspecialty Key: AP, NR, PME, PM, PS

9:30 am – 11:00 am, continued

Panel – 12



**Alpha-Omega Trauma Care:
International Anesthesiology-led
Acute to Lifetime Care**

Moderator: Maureen McCunn, MD, MIPP, FCCM, Professor, Department of Anesthesiology, R. Adams Cowley Shock Trauma Center, University of Maryland School of Medicine, Baltimore, Maryland

Panelists:

■ **Trauma Lifetime Care (TLC) Program Development**
Maureen McCunn, MD, MIPP, FCCM

■ **Anesthesia-led Emergency Care**
Oliver Radke, MD, PhD, Chair, Department of Anesthesia and Intensive Care Medicine, Klinikum Bremerhaven Reinkenheide, Bremerhaven, Germany; Associate Professor, Department of Anesthesia, University of California, San Francisco School of Medicine, San Francisco, California

■ **Acute Care Anesthesia: The Swiss Paradigm**
Catherine Heim, MD, MSc, Anesthesiologist, Le Centre Hospitalier Universitaire Vaudois (CHUV); Lausanne University Hospital, Lausanne, Switzerland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Examine a proposal for anesthesiology-led surgical and medical care of emergency/trauma surgery patients; (2) Contrast the German system of emergency care by anesthesiologists with the U.S. system in order to determine optimal modeling; and (3) Demonstrate a Swiss anesthesiology-led acute care service and present data on outcomes.

Subspecialty Key: CC, EEP, GH, T

10:15 am – 11:00 am

Review Course Lecture – 07

Extubation of Patients Outside of the Operating Room

Presenter: Hannah Wunsch, MD, MSc, Senior Scientist, Evaluative Clinical Sciences, Trauma, Emergency and Critical Care Program, Sunnybrook Research Institute; Staff Physician, Department of Critical Care Medicine, Sunnybrook Health Sciences Centre; Associate Professor, Department of Anesthesia and Interdepartmental Division of Critical Care, University of Toronto, Toronto, Ontario, Canada; Visiting Assistant Professor, Department of Anesthesiology, Columbia University Medical Center, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify criteria for readiness for extubation; (2) Identify patient groups at high risk of extubation failure; and (3) Discuss pros and cons of overnight extubations.

Subspecialty Key: AM, CC, PA

10:45 am – 11:45 am

PBLD – 08

Perioperative Management of a Septic Critically Ill Patient with an LVAD for Urgent ERCP

Presenters:

Victor Neira, MD, Assistant Professor, Cardiac and Pediatric Anesthesia, Dalhousie University, Halifax, Nova Scotia, Canada

Derek Wong, MD, Anesthesia Resident, Dalhousie University, Halifax, Nova Scotia, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the physiology and anesthetic implications of Left Ventricular Assist Devices (LVADs); (2) Describe the various cardiac monitoring modalities available intraoperatively; (3) Identify potential challenges of endoscopic procedures in the LVAD cases; and (4) Identify a team approach for managing LVAD cases.

Session is limited seating and pre-registration is required.

Subspecialty Key: CA, CC, PS, PA

11:00 am – 11:45 am

Review Course Lecture – 08

Therapeutic Hypothermia as Neuroprotective Agent

Presenter: Ehab Farag, MD, FRCA, Professor, Cleveland Clinic Lerner College of Medicine; Director of Clinical Research, Anesthesiology Institute, Cleveland Clinic, Cleveland, Ohio

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the molecular mechanisms for the neuroprotective actions of therapeutic hypothermia; (2) Discuss the different techniques of inducing therapeutic hypothermia; (3) Relate the use of therapeutic hypothermia in neonatal encephalopathy; (4) Review the use of therapeutic hypothermia and target temperature management in cardiac arrest; (5) Discuss the use of therapeutic hypothermia after spinal cord injury; (6) Discuss the use of therapeutic hypothermia after traumatic brain injury; and (7) Evaluate the use of therapeutic hypothermia during cerebral vascular surgeries.

Subspecialty Key: CA, NR, PA, T

11:00 am - 1:00 pm

Kosaka Best of Meeting Abstract Awards Session

Join the top 30 abstract Finalists in Clinical Research, Basic Science, and Scholar Abstract categories as their research is displayed for viewing during the Kosaka Best of Meeting Abstract Awards Session. The nine Top Finalists in the abstract categories will also present their original abstracts orally and compete for the top award in their category and a \$500 prize each.

Judges:

Moderator: Beverley A. Orser, MD, PhD, FRCPC, University of Toronto, Toronto, Ontario, Canada

Keith A. (Tony) Jones, MD, The University of Alabama School of Medicine at Birmingham, Birmingham, Alabama

Colleen Koch, MD, MS, MBA, FACC, Johns Hopkins Medicine, Baltimore, Maryland

Makoto Ozaki, MD, PhD, Tokyo Women's Medical University, Shinjuku Tokyo, Japan



The Kosaka Best of Meeting Abstract Awards Session is supported by the Japan Society for Clinical Anesthesia (JSCA) and the International Anesthesia Research Society (IARS).

Subspecialty Key: EEP



The Thomas Jefferson Memorial was modeled after the Pantheon of Rome.

11:30 am - 1:00 pm

Panel - 13



Handoffs in Perioperative Medicine

Moderator: Jeffrey B. Cooper, PhD, Professor of Anesthesia, Harvard Medical School; Founder and Executive Director, Center for Medical Simulation, Massachusetts General Hospital, Boston, Massachusetts

Panelists:

■ **Making Sense of Perioperative Handoffs**
Jeffrey B. Cooper, PhD

■ **What Do We Know About Anesthesia Handoffs?**
Meghan Lane-Fall, MD, MSHP, Assistant Professor of Anesthesiology and Critical Care, Perelman School of Medicine, University of Pennsylvania, Leadership team, Center for Healthcare Improvement and Patient Safety, Department of Medicine, Member, Institute for Translational Medicine and Therapeutics, Senior Fellow, Leonard Davis Institute of Health Economics, Co-Director, Center for Perioperative Outcomes Research and Transformation, Penn Anesthesiology and Critical Care, Co-chair, Graduate Medical Education Handoff Task Force, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

■ **A Case Study in Implementation**
Aalok V. Agarwala, MD, Instructor in Anaesthesia, Harvard Medical School; Assistant Division Chief, General Surgery Anesthesia, Associate Director, Anesthesia Quality and Safety, Director, Operations and Quality - Clinical Affiliates, Massachusetts General Hospital, Boston, Massachusetts

■ **Handoff Implementation Strategies**
Philip Greilich, MD, S.T. "Buddy" Harris Distinguished Chair in Cardiac Anesthesiology, Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the different handoff types conducted in anesthesia practice; (2) Describe evidence linking anesthesia handoffs to patient harm; and (3) Explain how implementation of scientific principles can be applied to handoff improvement efforts.

Subspecialty Key: EEP, PA, PS

11:30 am - 1:00 pm, continued _____

Panel – 14



**Innovative Perioperative
Inflammation Research, From Basic
to Translational to Clinical Science**

Moderator: Miles Berger, MD, PhD, Assistant Professor, Neuroanesthesiology Division, Assistant Director, Neurologic Outcomes Research Group, Duke University School of Medicine, Durham, North Carolina; Vice-President, eSAS

Panelists:

- **Inflammatory Modulation of Neuronal and Behavioral Sensitivity to Anesthetics**
Sinziana Avramescu, MD, PhD, FRCPC, Assistant Professor, Department of Anesthesia, University of Toronto; Staff Anesthesiologist, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada; Regional Representative: International, eSAS
- **Identifying Immune Predictors of Surgical Recovery with CyTOF: Every Cell Counts**
Brice Gaudilliere, MD, PhD, Assistant Professor, Anesthesiology Department, Stanford University School of Medicine, Stanford, California
- **Steroid Modulation of the Surgical Inflammatory/Immune Response: Effects on Patient Outcomes**
Thomas Ottens, MD, MSc, Specialist Registrar in Anesthetics, PhD Candidate, Department of Anesthesiology, University Medical Center Utrecht, Utrecht, Netherlands

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss immune/inflammatory correlates of postoperative recovery metrics; (2) Describe how inflammation affects neuronal and behavioral sensitivity to anesthetics; (3) Relate how intraoperative steroid modulation of the inflammatory/immune response to cardiac surgery affects clinical outcomes; and (4) Discuss the importance of interpersonal and other “soft skills” in overcoming challenges and obstacles in collaborative projects and team science.

Subspecialty Key: AP, CA, EEP, NR, PS, PA

12:00 pm - 12:45 pm _____

Review Course Lecture – 09

The Anesthesiologist's Role in Preventing Postoperative Infections

Presenter: Sebastian Schulz-Stübner, MD, Chief Physician, Deutsches Beratungszentrum für Hygiene (German Consulting Center for Infection Control and Prevention), Freiburg, Germany

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss potential chains of transmission of micro-organisms, and the anesthesiologist's role in these chains; (2) Organize the anesthesia workplace in order to reduce contamination and minimize transmission opportunities; and (3) Identify barriers in implementing infection control practices in the OR environment, especially the danger of a false sense of security, and how to overcome those barriers.

Subspecialty Key: EEP, PS, PA

12:00 pm - 1:00 pm _____

PBLD – 09

Perioperative Management of the Anemic Patient Refusing Transfusion

Presenter: Angela F. Edwards, MD, Associate Professor of Anesthesiology, Section Head, Perioperative Medicine, Wake Forest University School of Medicine; Wake Forest Baptist Health, Winston-Salem, North Carolina; Vice President, SPAQI

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review approaches to perioperative anemia management in patients refusing blood products; (2) Review acceptance of the alternative blood conservation techniques in patients refusing transfusion; (3) Provide an update on the intraoperative techniques generally accepted by the Jehovah's Witness Community; (4) Review techniques to minimize intraoperative blood loss; and (5) Discuss the concept of patient-centered blood management (PBM).

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, AP, BLD, CA, PA

2:00 pm - 2:45 pm

Review Course Lecture – 10

Health Economics 101: “Value” Rather Than Price Tags

Presenter: Janet Martin, MSc (HTA&M), PharmD, Assistant Professor, Departments of Anesthesia and Perioperative Medicine, and Epidemiology and Biostatistics, Western University; Director, Centre for Medical Evidence, Decision Integrity and Clinical Impact, MEDICI Centre, London, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Contrast “health economics” with “cost-cutting;” (2) Define and recognize five common myths about economics in health care; and (3) Compare the implications of decision making, with and without economics and value in health care, using examples from anesthesia and perioperative medicine.

Subspecialty Key: EEP, PA

2:00 pm - 3:00 pm

PBLD – 10

Perioperative Management of a Patient with Closed Head Injury for Non-Neurological Procedure

Presenter: Letha Mathews, MBBS, Interim Chief, Neuroanesthesiology, Associate Professor of Clinical Anesthesiology, Division of Multispecialty Anesthesiology, Clinical Director, Division of Neuro-anesthesiology, Vanderbilt University School of Medicine, Nashville, Tennessee

Learner Objectives: After participating in this activity, the learner will be able to: (1) Assess severity of closed head injury (CHI) and determine the timing of surgery; (2) Review principles of anesthetic management of patients with CHI; and (3) Discuss management of intracranial hypertension.

Session has limited seating and pre-registration is required.

Subspecialty Key: AP, CC, NR, PA, T

2:00 pm - 3:30 pm

Panel – 15

Cultural Competency for the Anesthesiologist: Strategies to Optimize the Care Delivery Process

Moderator: Jesse Ehrenfeld, MD, MPH, Associate Professor of Anesthesiology, Bioinformatics, Surgery, and Health Policy; Director of Education Research, Vanderbilt Office of Health Sciences Education; Associate Director, Anesthesiology & Perioperative Informatics Research Division, Vanderbilt University Medical Center, Nashville, Tennessee; Chair, Massachusetts Committee on LGBT Health, Chair, Massachusetts General Hospital LGBT Employee Resource Group, Member, Board Committee on Quality at Fenway Community Health Center

Panelists:

■ **Perioperative Considerations for the Lesbian, Gay, Bisexual, and Transgender Patient**
Jesse Ehrenfeld, MD, MPH

■ **Racial and Ethnic Disparities in Neuraxial Labor Analgesia**
Paloma Toledo, MD, MPH, Assistant Professor of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois

■ **Best Practices to Provide Patient-Centered, Culturally Competent Perioperative Care**
Derick Du Vivier, MD, MBA, Assistant Professor, Department of Anesthesiology and Perioperative Medicine, Oregon Health and Science University, Portland, Oregon

■ **Serving the Underserved: The Role of Today’s Anesthesiologist**
Jerome Adams, MD, MPH, Assistant Professor of Clinical Anesthesia, Indiana University School of Medicine, Indianapolis, Indiana; Staff Anesthesiologist, Chair, Pharmacy and Therapeutics Committee, Wishard-ESKENAZI Hospital, Muncie, Indiana; Indiana State Health Commissioner, Secretary, Executive Board of the Indiana State Department of Health, Chairman, Indiana State Trauma Care Committee, Co-Chairman, Indiana Perinatal Quality Improvement Collaborative Governing Council

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define and describe health disparities in anesthesia and perioperative care; (2) Discuss the implications of demographic trends for health disparities; (3) Explain how cultural beliefs shape clinical encounters; (4) Demonstrate effective techniques for working with interpreters; and (5) Describe the unique needs of LGBT patients undergoing surgical procedures.

Subspecialty Key: EEP, NR, OB, PA

2:00 pm - 3:30 pm, continued _____

Panel – 16



Patient Blood Management in Cardiovascular Anesthesia

Moderator: Linda Shore-Lesserson, MD, FAHA, FASE, Professor, Department of Anesthesia, Hofstra North Shore-LIJ School of Medicine, New Hyde Park, New York

Panelists:

- **Managing Surgical Patients Taking Antithrombotic Medication**
Linda Shore-Lesserson, MD, FAHA, FASE
- **The Impact of Anemia on Surgical Risk**
Colleen Koch, MD, MS, MBA, FACC, Mark C. Rogers Professor and Chair, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland
- **Optimal Use of Heparin as a Vascular Anticoagulant**
Roman M. Sniecinski, MD, FASE, Associate Professor of Anesthesiology, Director, Clinical & Translational Research, Director, Cardiothoracic Anesthesiology Fellowship, Emory University School of Medicine, Atlanta, Georgia; Chair, Guidelines Committee, SCA
- **Evidence-Based Blood Management in Cardiac Surgery**
Gregory M. Janelle, MD, FASE, Associate Chair, Clinical Affairs, Professor of Anesthesiology and Surgery, University of Florida College of Medicine, Gainesville, Florida

Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain the mechanisms of action of commonly prescribed antithrombotic medication; (2) Describe the risks and common reasons for preoperative anemia; (3) Design a plan for prophylactic hemostasis management; and (4) Define a rational transfusion or pharmacologic-based algorithm for managing hemorrhage.

Subspecialty Key: AP, BLD, CA, CC, PS, PA, T

Panel – 17



Perioperative Neurological Dysfunction: What Do We Know and Where Do We Go From Here?

Moderator: Deepak Sharma, MBBS, MD, DM, The Virginia & Prentice Bloedel Endowed Professor of Anesthesiology, Division Chief, Neuroanesthesiology and Perioperative Neurosciences, Program Director, Neuroanesthesiology Fellowship, Professor of Neurological Surgery, University of Washington Medicine; Harborview Medical Center, Seattle, Washington; Director-At-Large and Chair, Education Committee, SNACC

Panelists:

- **Preoperative Evaluation of the Older Surgical Patient: What Are We Missing?**
Deborah J. Culley, MD, Associate Professor of Anesthesia, Director, NeuroBehavior Laboratory, Co-Director, Aging Neuroscience Lab, Harvard Medical School; Anesthesiologist, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts
- **Update on Postoperative Delirium: Predictors, Sequelae and Prevention**
Michael S. Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery, Director, INQUIRI, Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care, Washington University School of Medicine in St. Louis, St. Louis, Missouri; President-Elect, AUA
- **Acute Brain Dysfunction and Critical Illness**
Martin Smith, MBBS, FRCA, FFICM, Consultant in Neuroanesthesia and Neurocritical Care, National Hospital for Neurology and Neurosurgery, University College London Hospitals, Honorary Professor, University College London, London, England, United Kingdom

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the most common adverse perioperative neurological outcomes and optimal relevant preoperative evaluation, particularly in older surgical patients; (2) Discuss electroencephalographic predictors, clinical features, and sequelae of postoperative delirium and evidence-based interventions to prevent postoperative delirium; and (3) Identify the key mechanisms implicated in critical illness-induced acute brain dysfunction, the impact of acute brain dysfunction on clinical outcomes, and evidence-based interventions to prevent brain dysfunction in critical illness.

Subspecialty Key: CC, GA, NR, PA

2:00 pm - 5:00 pm

Workshop – 02

Ultrasound, Simulation, and Stimulation for Peripheral Nerve Blocks

Workshop Leader: Andrew D. Rosenberg, MD, Professor of Anesthesiology and Orthopedic Surgery, Dorothy Reaves Spatz MD Chair, Department of Anesthesiology, New York University School of Medicine, Langone Medical Center, New York, New York

Presenters:

Robert Altman, MD, Clinical Associate Professor, Department of Anesthesiology, Perioperative Care and Pain Medicine, New York University School of Medicine, Langone Medical Center, New York, New York

Michael Anderson, MD, Assistant Professor of Anesthesiology, Icahn School of Medicine at Mount Sinai, The Mount Sinai Hospital, New York, New York

Levon Capan, MD, Professor, Department of Anesthesiology, Perioperative Care and Pain Medicine, New York University School of Medicine, Langone Medical Center, New York, New York

Sudheer K. Jain, MD, Assistant Professor and Assistant Clinical Director, Department of Anesthesiology, Perioperative Care and Pain Medicine, New York University School of Medicine, Langone Medical Center, New York, New York

Christina Jeng, MD, Assistant Professor of Anesthesiology, Icahn School of Medicine at Mount Sinai, The Mount Sinai Hospital, New York, New York

Jung Kim, MD, Associate Professor, Department of Anesthesiology, Perioperative Care and Pain Medicine, Master Scholar Career Advisor, Student Affairs, New York University School of Medicine, Langone Medical Center; Executive Vice Chair, Department of Anesthesiology, New York University Anesthesia Associates, New York, New York

Sunmi Kim, MD, Clinical Associate Professor, Department of Anesthesiology, Perioperative Care and Pain Medicine, New York University School of Medicine, Langone Medical Center, New York, New York

Stephen Lucas, MD, Clinical Associate Professor, Associate Chair for Pain Medicine, University of Florida College of Medicine, Gainesville, Florida

Danielle Ludwin, MD, Associate Professor of Anesthesiology, Columbia University Medical Center, New York, New York

Peter Neuburger, MD, Assistant Professor, Department of Anesthesiology, Perioperative Care, and Pain Medicine, Division of Cardiothoracic Anesthesiology, New York University School of Medicine, Langone Medical Center, New York, New York

Richa Wardhan, MD, Assistant Professor, Department of Anesthesiology, University of Florida College of Medicine, Gainesville, Florida

(continued)

Sylvia Wilson, MD, Associate Professor, Department of Anesthesia and Perioperative Medicine, Medical University of South Carolina (MUSC), Charleston, South Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Demonstrate how to better perform peripheral nerve blocks utilizing ultrasound-guided and nerve stimulator techniques; and (2) Describe how to perform blocks of the upper and lower extremities.

Subspecialty Key: NR, RA

4:00 pm - 4:45 pm

Review Course Lecture – 11

Ultrasound Findings in Intraoperative Anesthetic Emergencies

Presenter: Julia Sobol, MD, MPH, Assistant Professor of Anesthesiology, Columbia University Medical Center, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe how arrests in the operating room may be different from those that occur in the emergency room, in other parts of the hospital, or outside the hospital; (2) Review ultrasound findings in different causes of perioperative arrest, focusing on cardiovascular, respiratory, and anesthetic causes of arrest; and (3) Recall the logistics of performing ultrasound during cardiopulmonary arrest.

Subspecialty Key: AM, AP, CA, CC, EEP, PS, RES, T

4:00 pm - 5:00 pm

PBLD – 11

Lung-Protective Ventilation Under General Anesthesia: Myth or Reality

Presenter: Kunal Karamchandani, MD, Assistant Professor of Anesthesiology and Critical Care, Department of Anesthesiology, Pennsylvania State Health Milton S. Hershey Medical Center, Hershey, Pennsylvania

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the effects of surgery, general anesthesia and mechanical ventilation on the respiratory system; (2) Describe the various strategies of lung-protective ventilation under general anesthesia; and (3) Analyze the evidence in favor and against the regular use of LPV in the operating room.

Session has limited seating and pre-registration is required.

Subspecialty Key: AM, PA, RES

4:00 pm - 5:30 pm

Panel – 18



Update in Perioperative Blood Management and Transfusion Alternatives

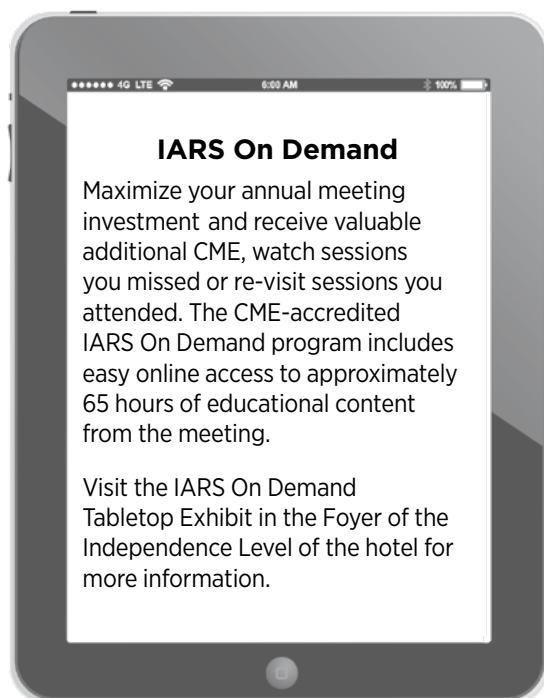
Moderator: Angela F. Edwards, MD, Associate Professor of Anesthesiology, Section Head, Perioperative Medicine, Wake Forest University School of Medicine; Wake Forest Baptist Health, Winston-Salem, North Carolina; Vice President, SPAQI

Panelists:

- **Science of Blood Banking and Blood Conservation**
Lawrence Tim Goodnough, MD, Professor of Pathology and Medicine, Stanford University School of Medicine, Stanford, California
- **Preoperative Anemia: Detection, Evaluation, and Management Strategies for 2017**
Marisa Marques, MD, Professor of Pathology and Program Director, Department of Pathology, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the impact of anemia and transfusion on health care; (2) Review the literature supporting a restrictive transfusion strategy; (3) Evaluate approaches to perioperative anemia management; and (4) Discuss the concept of patient-centered blood management (PBM) and blood banking.

Subspecialty Key: BLD, CA, CC, EEP, PS, PA, T



Panel – 19

A Call for Action: Physician Wellness

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

Panelists:

- **The Past: History of Burnout**
Cortessa Russell, MD
- **The Future: How Can We Get There?**
George Gallos, MD, Assistant Professor of Anesthesiology, Columbia University Medical Center, New York, New York
- **The Present: The ACGME Ignites A National Dialogue on Physician Well Being**
Lyuba Konopasek, MD, Designated Institutional Official, New York-Presbyterian Hospital, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the causes and effects of physician burnout and the shift in focus to prevention rather than treatment of physician burnout; (2) Evaluate strategies from organizations outside of medicine and anesthesia regarding the positive impact that programming directed at well-being has on outcomes; (3) Discuss how to promote and encourage physician resilience; (4) Describe how well-being affects the ACGME requirements and core competencies; and (5) Report on anesthesiologist well-being and assemble a change towards a more sustainable working environment for residents, fellows, and attendings.

Subspecialty Key: EEP, PS

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4:00 pm - 5:30 pm, continued _____

Panel – 20



Anesthesia & Analgesia:
Meet the Editors

Co-Moderators:

Jean-Francois Pittet, MD, David Hill Chestnut Endowed Professor of Anesthesiology and Perioperative Medicine, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama; Editor-in-Chief, *Anesthesia & Analgesia*

Thomas R. Vetter, MD, MPH, Director of Perioperative Care, Professor of Surgery and Perioperative Care, Dell Medical School at The University of Texas at Austin, Austin, Texas; Deputy Editor-in-Chief, *Anesthesia & Analgesia*

Please join **Drs. Jean-Francois Pittet**, Editor-In-Chief, and **Thomas R. Vetter**, Deputy Editor-In-Chief, as well as several of the Journal's Executive Section Editors, for an informal and collegial dialogue about ongoing changes to and the future direction of *Anesthesia & Analgesia* and *A&A Case Reports*. Potential authors and peer reviewers are especially encouraged to attend.

Note: This session is open to all attendees. CME is not offered for this session.

Subspecialty Key: EEP

5:00 pm - 5:45 pm _____

Review Course Lecture – 12

Surgical Enhanced Recovery: Past, Present and Future

Presenter: Tong J. Gan, MD, MHS, FRCA, Professor and Chairman, Department of Anesthesiology, Stony Brook University School of Medicine, Stony Brook University Hospital, Stony Brook, New York; President, American Society of Enhanced Recovery (ASER)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the physiological basis of enhanced recovery strategy; (2) Outline the elements of the enhanced recovery protocol; (3) Discuss the evidence and outcome of the enhanced recovery recommendations; and (4) Appraise the future model of surgical patient care.

Subspecialty Key: EEP, PA, PS

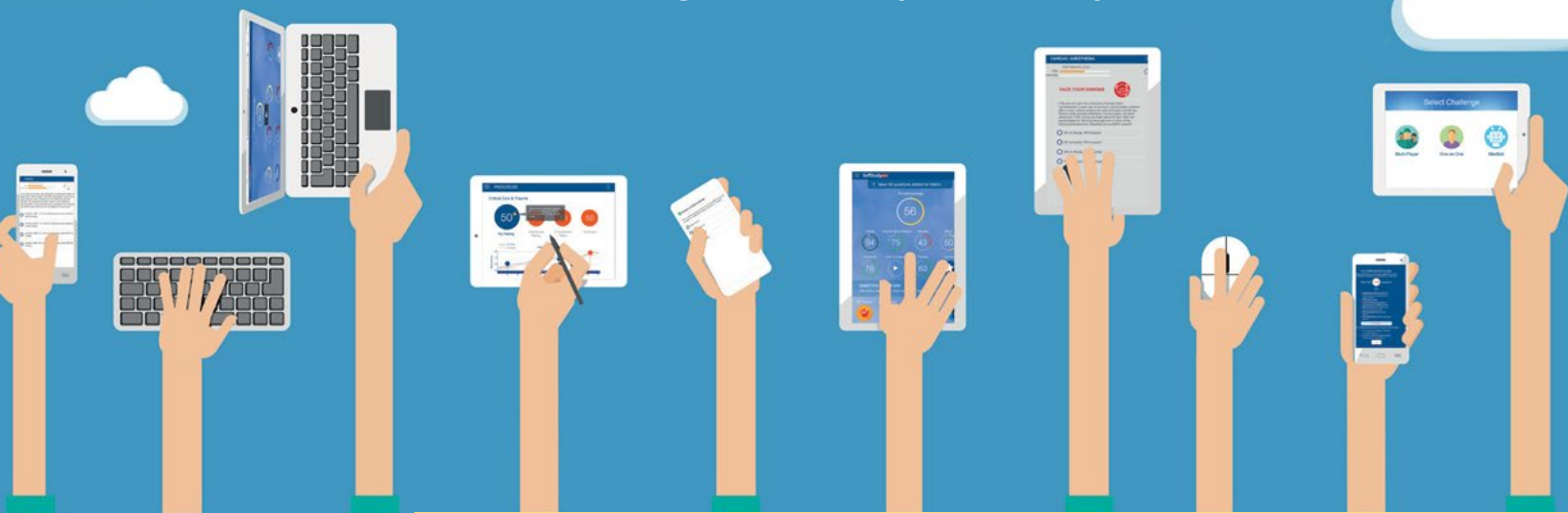


Up to four U.S. flags can be seen flying over the Capitol.

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SATURDAY, MAY 6 • IARS, AUA AND SOCCA									
ALIGNED MEETING DAY AND FOCUS ON CRITICAL CARE DAY									
TIMES	REVIEW COURSE LECTURES	PANELS	PBLDs	WORKSHOPS	SYMPOSIA	SCHOLARS' PROGRAM	MODERATED POSTER DISCUSSION SESSIONS & KOSAKA AWARDS SESSION	TIMES	
6:00 am - 6:00 pm		6:00 am - 6:00 pm: Registration • 6:30 am - 4:00 pm and 6:00 pm - 7:30 pm: Exhibits						6:00 am - 6:00 pm	
6:30 am - 7:30 am		6:30 am - 7:30 am: Continental Breakfast with Exhibitors						6:30 am - 7:30 am	
7:30 am - 8:00 am		7:30 am - 8:00 am: Welcome and Opening Remarks						7:30 am - 8:00 am	
8:00 am - 9:00 am		T.H. Seldon Memorial Lecture: Vital Directions in Health and Medicine in Uncertain Times – Victor J. Dzau, MD						8:00 am - 9:00 am	
9:00 am - 9:30 am		9:00 am - 9:30 am: Break with Exhibitors						9:00 am - 9:30 am	
9:30 am - 1:00 pm		9:30 am - 11:00 am P-01: SOCCA: Integrated Quality Trauma Care: From Concepts to Reality	9:30 am - 11:00 am P-02: Recent Advances in Neural Circuit Mechanisms of General Anesthesia	9:30 am - 10:30 am PBLD-01: SOCCA: Ventricular Assist Device: Coming to Your Operating Room	9:30 am - 12:30 pm Symposium-01: AUA: Recognizing the "Painful" Truths of the Opioid Abuse Epidemic	9:30 am - 10:30 am Scholars' Program Scholar-01: Introduction to the Translational Research Continuum	9:30 am - 11:00 am Moderated Poster Discussion Session-01	9:30 am - 1:00 pm	
			10:45 am - 11:45 am PBLD-02: Traumatic Cardiac Arrest: Outcomes, Algorithms and Advances	10:45 am - 11:45 am Scholars' Program Scholar-02: Keynote Session: Rigor and Reproducibility Across the Translational Spectrum					
		11:15 am - 12:45 pm P-03: ASRA: Defining Value in Regional Anesthesia	11:15 am - 12:45 pm P-04: Hot Topics in Pediatric Anesthesia: Things that Drive You Nuts!	12:00 pm - 1:00 pm PBLD-03: Anesthesia for Thoracic Endovascular Aortic Repair (TEVAR), Arch Repair and Rapid Right Ventricular Pacing		12:00 pm - 1:00 pm Scholars' Program Scholar-03: Plenary Session I: Expanding Our Horizons in Anesthesiology Research Training	11:15 am - 12:45 pm Moderated Poster Discussion Session-02		
1:00 pm - 2:00 pm		1:00 pm - 2:00 pm Lunch On Your Own						1:00 pm - 2:00 pm	
2:00 pm - 3:30 pm	2:00 pm - 2:45 pm RCL-01: ECMO (Extracorporeal Membrane Oxygenation): Implications for Anesthesiology and Critical Care	2:00 pm - 3:30 pm P-05: EEG Monitoring for Anesthetic Management: A Practical Case Study Approach to Personalized Anesthesia Care	2:00 pm - 3:30 pm P-06: Anesthesiology in the Future: How Changes in Science and Technology Will Change Your Clinical Practice	2:00 pm - 3:00 pm PBLD-04: Airway Management in Penetrating Neck Trauma	2:00 pm - 3:30 pm W-01: Focused Cardiac Ultrasound (FoCUS) – It's for Everyone!	2:00 pm - 3:30 pm Scholars' Program Scholar-05: NIH Funding for Transition to An Early Independence: Information Session and Q&A with NIH Representatives	2:00 pm - 3:30 pm Moderated Poster Discussion Session-03	2:00 pm - 3:30 pm	
	3:00 pm - 3:45 pm RCL-02: SOCCA: Perioperative Ultrasound								
3:30 pm - 4:00 pm		3:30 pm - 4:00 pm: Break with Exhibitors						3:30 pm - 4:00 pm	
4:00 pm - 6:00 pm	4:00 pm - 4:45 pm RCL-03: Blood Components and Blood Derivatives	4:00 pm - 5:30 pm P-07: Hypoxia and Perioperative Organ Dysfunction: Monitoring at the Level of the Cell	4:00 pm - 5:30 pm P-08: Improving Health Care Delivery by Improving Communication: Strategies for Enhanced Team Effectiveness and Learning	4:00 pm - 5:00 pm PBLD-05: SOCCA: Sepsis: The Deadly Superbug	4:00 pm - 5:00 pm Scholars' Program Scholar-06: Plenary Session II: Precision Medicine: What Anesthesiology Can Contribute	4:00 pm - 5:00 pm Scholars' Program Scholar-06: Plenary Session II: Precision Medicine: What Anesthesiology Can Contribute	4:00 pm - 5:30 pm Moderated Poster Discussion Session-04	4:00 pm - 6:00 pm	
	5:00 pm - 5:45 pm RCL-04: SOAP: How to Decide If Neuraxial Techniques are Safe in the Face of Possible Hematologic Contraindications					5:00 pm - 6:00 pm Scholars' Program Mentor-Trainee Reception			
6:00 pm - 7:30 pm		6:00 pm - 7:30 pm: Alignment Reception						6:00 pm - 7:30 pm	

Annual Meeting Program Schedule • Sunday, May 7

SUNDAY, MAY 7 • IARS									
TIMES	REVIEW COURSE LECTURES	PANELS		PBLDs	WORKSHOPS	SYMPOSIA	SCHOLARS' PROGRAM	MODERATED POSTER DISCUSSION SESSIONS	TIMES
6:00 am - 6:00 pm		6:00 am - 6:00 pm: Registration 6:30 am - 4:00 pm: Exhibits							6:00 am - 6:00 pm
6:30 am - 7:30 am		6:30 am - 7:30 am: Continental Breakfast with Exhibitors							6:30 am - 7:30 am
7:30 am - 9:00 am		7:30 am - 9:00 am P-09: SPAQI: Perioperative Management of Heart Failure in Non-Cardiac Surgery	7:30 am - 9:30 am P-10: SmartTots: The Neuroscience of Brain Development: Opportunities and Alternative Perspectives for Pediatric Anesthesia Research	8:00 am - 9:00 am PBLD-06: Adult Congenital Heart Disease Patient Presenting for Non-Cardiac Surgery				7:30 am - 9:00 am Moderated Poster Discussion Session-05	7:30 am - 9:00 am
	8:00 am - 8:45 am RCL-05: Regional Anesthesia in Improving Outcomes								
9:00 am - 9:30 am		9:00 am - 9:30 am Break with Exhibitors							9:00 am - 9:30 am
9:30 am - 1:00 pm	9:30 am - 10:15 am RCL-06: U.S. Anesthesia Workforce and Group Practice Trends: Data Sources and Research Questions	9:30 am - 11:00 am P-11: Perioperative and Anesthesia-Related Mortality: Global Trends and Innovations	9:30 am - 11:00 am: P-12: TAS Alpha-Omega Trauma Care: International Anesthesiology-led Acute to Lifetime Care	9:30 am - 10:30 am PBLD-07: Not All Hyperthermia is Malignant Hyperthermia		9:30 am - 12:30 pm International Science Symposium: Pain: From Molecules to Medicine		9:30 am - 11:00 am Moderated Poster Discussion Session-06	9:30 am - 1:00 pm
	10:15 am - 11:00 am RCL-07: Exubation of Patients Outside of the Operating Room								
	11:00 am - 11:45 am RCL-08: Therapeutic Hypothermia as Neuroprotective Agent	11:30 am - 1:00 pm P-13 eSAS: Innovative Perioperative Inflammation Research, From Basic to Translational to Clinical Science		10:45 am - 11:45 am PBLD-08: Perioperative Management of A Septic, Critically Ill Patient with an LVAD for Urgent ERCP					
	12:00 pm - 12:45 pm RCL-09: The Anesthesiologist's Role in Preventing Postoperative Infections			12:00 pm - 1:00 pm PBLD-09: Perioperative Management of the Anemic Patient Refusing Transfusion				11:00 am - 1:00 pm Kosaka Best of Meeting Abstract Awards Session	
1:00 pm - 2:00 pm		1:00 pm - 2:00 pm: Lunch On Your Own							1:00 pm - 2:00 pm
2:00 pm - 3:30 pm	2:00 pm - 2:45 pm RCL-10: Health Economics 101: Value Rather than Price Tags	2:00 pm - 3:30 pm P-15: Cultural Competency for the Anesthesiologist: Strategies to Optimize The Care Delivery Process	2:00 pm - 3:30 pm P-16: SCA: Patient Blood Management in Cardiovascular Anesthesia	2:00 pm - 3:30 pm P-17: SNACC: Perioperative Neurological Dysfunction: What Do We Know and Where Do We Go From Here?	2:00 pm - 3:00 pm PBLD-10: Perioperative Management of Patient with Closed Head Injury for Non-Neurological Procedure			2:00 pm - 3:30 pm Moderated Poster Discussion Session-07	2:00 pm - 3:30 pm
3:30 pm - 4:00 pm		3:30 pm - 4:00 pm: Break with Exhibitors							3:30 pm - 4:00 pm
4:00 pm - 5:45 pm	4:00 pm - 4:45 pm RCL-11: Ultrasound Findings in Intraoperative Anesthetic Emergencies	4:00 pm - 5:30 pm P-18: SPAQI: Update in Perioperative Blood Management and Transfusion Alternatives	4:00 pm - 5:30 pm P-19: A Call for Action: Physician Wellness	4:00 pm - 5:00 pm PBLD-11: Lung Protective Ventilation Under General Anesthesia: Myth or Reality	2:00 pm - 5:00 pm W-02: Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks			4:00 pm - 5:30 pm Moderated Poster Discussion Session-08	4:00 pm - 5:45 pm
	5:00 pm - 5:45 pm RCL-12: Surgical Enhanced Recovery: Past, Present and Future								

Annual Meeting Program Schedule • Monday, May 8 and Tuesday, May 9

MONDAY, MAY 8 • IARS							TUESDAY, MAY 9 • IARS						
TIMES	REVIEW COURSE LECTURES	PANELS	PBLDs	WORKSHOPS	SYMPOSIA	SCHOLARS' PROGRAM	MODERATED POSTER DISCUSSION SESSIONS	TIMES					
6:00 am - 5:30 pm		6:00 am - 5:30 pm: Registration	6:30 am - 9:30 am: Exhibits					6:00 am - 5:30 pm					
6:30 am - 7:30 am		6:30 am - 7:30 am: Continental Breakfast with Exhibitors						6:30 am - 7:30 am					
7:30 am - 9:00 am	8:00 am - 8:45 am RCL-13: TAVR: A Transformative Treatment for Patients with Severe Aortic Stenosis: Past, Present and Future Directions	7:30 am - 9:00 am P-21: SPA: Best of Times, Worst of Times: The Complex Role of Opioids in Pediatric Health Care	8:00 am - 9:00 am PBLD-12: Anesthesia for Management of Acute Stroke: Considerations and Controversies				7:30 am - 9:00 am Moderated Poster Discussion Session-09	7:30 am - 9:00 am					
9:00 am - 9:30 am	9:30 am - 10:15 am RCL-14: The Current Opioid Epidemic in the USA with Review of CDC Opioid Guidelines	9:30 am - 11:00 am P-23: Advanced Hemodynamic Monitoring for ERAS: Technology Overview and How to Choose A Device	9:30 am - 10:30 am PBLD-13: Can There Be "Against Medical Advice" Discharge from the PACU?	9:30 am - 12:30 pm W-03: Virtual Reality: Just A Toy Unless We Use It Properly: Current Uses and Future Direction in Health Care	9:30 am - 12:30 pm Symposium-02: Perioperative Delirium: Knowns and Unknowns			9:00 am - 9:30 am					
9:30 am - 1:00 pm	10:15 am - 11:00 am RCL-15: Update in Sepsis Management 2017	11:30 am - 1:00 pm P-25: LICAGE: Protecting and Maximizing Organ Function in the OR and the ICU	10:45 am - 11:45 am PBLD-14: Anesthesia for Robot-Assisted Laparoscopic Surgery	12:00 pm - 1:00 pm PBLD-15: SAMBA: Brain Health in the Ambulatory Setting: What Do We Know about Delirium and Cognitive Dysfunction in This Setting?			9:30 am - 11:00 am Moderated Poster Discussion Session-10	9:30 am - 1:00 pm					
	11:00 am - 11:45 am RCL-16: Predicting and Managing "MODA-" The Morbid Obesity Difficult Airway												
	12:00 pm - 12:45 pm RCL-17: Organization Fear: The Silent Killer												
1:00 pm - 2:00 pm		1:00 pm - 2:00 pm: Lunch On Your Own						1:00 pm - 2:00 pm					
2:00 pm - 3:30 pm	2:00 pm - 2:45 pm RCL-18: What Every Anesthesiologist Should Know About Patient Safety	2:00 pm - 3:30 pm P-27: ESKA: What Anesthesia is About: Ventilation, Anaesthetics and Fluids	2:00 pm - 3:00 pm PBLD-16: How Should I Manage My Patient's Neurologic Complication Associated with a Regional Anesthetic?	2:00 pm - 6:00 pm W-04: Perioperative Point-of-Care Ultrasound (PoCUS) Workshop			2:00 pm - 3:30 pm Moderated Poster Discussion Session-12	2:00 pm - 3:30 pm					
3:30 pm - 4:00 pm		3:30 pm - 4:00 pm: Break						3:30 pm - 4:00 pm					
4:00 pm - 6:00 pm	4:00 pm - 4:45 pm RCL-19: Improve Sleep After Surgery: What We Can Do as Anesthesiologists	4:00 pm - 5:30 pm P-29: ISPCOP: Closed Claims and Key Safety Considerations in Patients and Parturients with Obesity	4:00 pm - 5:00 pm PBLD-17: Perioperative Renal Replacement Therapy: Does it Matter?				4:00 pm - 5:30 pm Moderated Poster Discussion Session-13	4:00 pm - 6:00 pm					
6:00 am - 12:00 pm		6:00 am - 12:00 pm: Registration						6:00 am - 12:00 pm					
6:00 am - 7:00 am		6:00 am - 7:00 am: Continental Breakfast						6:00 am - 7:00 am					
7:00 am - 8:30 am	7:30 am - 8:15 am RCL-20: State-of-the-Art Topics in Malignant Hyperthermia	7:00 am - 8:30 am P-31: SCA: The Anesthesiologist's Role in Structural Heart Disease	7:30 am - 8:30 am PBLD-18: Severe Childhood Obesity Presenting like Acute Epiglottitis					7:00 am - 8:30 am					
8:30 am - 12:00 pm	8:30 am - 9:15 am RCL-21: Flying the Anesthesia Machine: Lessons for Anesthesiology from Aviation	8:45 am - 10:15 am P-33: STA: Improving Health and Health Care Delivery Using Perioperative Information Systems	8:45 am - 9:45 am PBLD-19: Perioperative Management of Patients with Hypertrophic Cardiomyopathy (HCM) for Noncardiac Procedures, LVOTD, ICD, HSS: Deciphering the HCM Alphabet					8:30 am - 12:00 pm					
	9:30 am - 10:15 am RCL-22: Implementing Operating Room Management Improvement	10:30 am - 12:00 pm P-35: SPAQI: An Update on Perioperative Medication Management	10:00 am - 11:00 am PBLD-20: SICU Admission Following Opioid Sparring Anesthetic										
	10:30 am - 11:15 am RCL-23: Lies, Damn Lies, and Anesthesia Myths												

Daily Schedule-at-a-Glance

6:00 am – 5:30 pm	Registration	9:30 am – 12:30 pm	Symposium: <i>Perioperative Delirium: Knowns and Unknowns</i>
7:30 am – 6:00 pm	Concurrent Sessions: <ul style="list-style-type: none"> • Panels • Problem-Based Learning Discussions (PBLDs) • Review Course Lectures (RCLs) • Workshops • Moderated Poster Discussion Sessions 	6:30 am – 9:30 am	Tabletop Exhibits

Monday, May 8

7:30 am – 9:00 am

Panel – 21



Best of Times, Worst of Times: The Complex Role of Opioids in Pediatric Health Care

Moderator: Joe Cravero, MD, Senior Associate in Perioperative Anesthesia and Pain Medicine, Boston Children's Hospital; Associate Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Panelists:

■ “Houston We Have A Problem” – The Epidemic of Non-Medical Use of Prescription Opioids

Myron Yaster, MD, Richard J. Traystman Distinguished Professor, Department of Anesthesiology, Critical Care Medicine and Pediatrics, Johns Hopkins Medicine, Baltimore, Maryland; Visiting Professor, Anesthesiology, University of Colorado School of Medicine, Aurora, Colorado

■ Is There a Role for Opioids in the Management of Chronic Pain?

Robert T. Wilder, MD, PhD, Associate Professor of Anesthesiology, Anesthesiology and Perioperative Medicine, Pain Medicine, Pediatric and Adolescent Medicine, Mayo Clinic; Children's Center, Rochester, Minnesota

■ Regulations and Recovery: The Politics of Opioid Regulation

Raeferd Brown, MD, FAAP, Professor of Anesthesiology and Pediatrics, University of Kentucky Medical Center, Lexington, Kentucky

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the scope and extent of opioid abuse and misuse as it pertains to children; (2) Review and describe the growing body of literature suggesting a more limited role for opioids in the treatment of chronic pain; (3) Discuss the complex regulatory and political environment surrounding opioid approval and prescription; and (4) Evaluate the use of pain rehabilitation programs to help children and adolescents return to school and normal activities.

Subspecialty Key: AP, EEP, PME, PM, PED

Subspecialty Key

AM Airway Management	EEP Economics, Education and Policy	OB Obstetric Anesthesiology	RA Regional Anesthesia
AMB Ambulatory Anesthesia	GA Geriatric Anesthesia	PME Pain Mechanisms	RES Respiration
AP Anesthetic Pharmacology	GH Global Health	PM Pain Medicine	SM Sleep Medicine
BLD Blood Management	L Liver	PS Patient Safety	TCSEM Technology, Computing and Simulation, Equipment Monitoring
CA Cardiovascular Anesthesiology	NR Neuroscience in Anesthesiology and Perioperative Medicine	PED Pediatric Anesthesiology	T Trauma
CC Critical Care	O Obesity	PA Perioperative Anesthesia	

7:30 am – 9:00 am, continued

Panel – 22

Evidence Reversals, Research Waste, and Translation Failure

Moderator: Janet Martin, MSc (HTA&M), PharmD, Assistant Professor, Departments of Anesthesia and Perioperative Medicine, and Epidemiology and Biostatistics, Western University; Director, Centre for Medical Evidence, Decision Integrity and Clinical Impact, MEDICI Centre, London, Ontario, Canada

Panelists:

- **Medical Reversals and Translation Failure in Medicine**
Vinay K. Prasad, MD, MPH, Hematologist-Oncologist, Assistant Professor of Medicine, Oregon Health and Sciences University, Portland, Oregon; Senior Scholar, Division of Public Health and Preventive Medicine, Center for Health Care Ethics
- **Reducing Reversals and Research Waste: When is There “Enough Evidence” vs. When Is It “Too Soon to Tell”?**
Janet Martin, MSc (HTA&M), PharmD
- **Evidence Reversals and Translation Failure in Anesthesia and Perioperative Medicine**
Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE, Distinguished University Professor and Chair / Chief, London Health Sciences Centre, St. Joseph's Health Care London, Western University; Medical Director, MEDICI Centre, London, Ontario, Canada; WFSA Scientific Affairs Committee; Chair, IARS

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define evidence reversals and translation failure in medicine; (2) Define examples of evidence reversals and translation failure in anesthesia and perioperative medicine; (3) Apply tools and techniques for gauging “evidence sufficiency” and “readiness for translation;” and (4) Define types of research waste and techniques for gauging when “more research is required” versus “more research would be wasteful.”

Subspecialty Key: EEP, PS, PA

8:00 am – 8:45 am

Review Course Lecture – 13

TAVR: A Transformative Treatment for Patients with Severe Aortic Stenosis: Past, Present and Future Directions

Presenters:

Mary Beth Brady, MD, FASE, Associate Professor and Vice Chair for Education, Department of Anesthesiology and Critical Care, Director, Intraoperative TEE Program, Johns Hopkins Medicine, Baltimore, Maryland

Rani K. Hasan, MD, MHS, Assistant Professor of Medicine, Division of Cardiology, Johns Hopkins Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the TAVR (transcatheter aortic valve replacement) procedure; (2) Discuss the selection process for patients undergoing the TAVR procedure; (3) Summarize TAVR outcomes studies; (4) Describe the current, state-of-the-art anesthetic management for patients undergoing TAVR procedures; and (5) Estimate future trends regarding TAVR procedures.

Subspecialty Key: AP, CA, EEP, PS, PA

8:00 am – 9:00 am

PBLD – 12

Anesthesia for Management of Acute Stroke: Considerations and Controversies

Presenter: Shobana Rajan, MD, Associate Staff Anesthesiologist, Cleveland Clinic, Cleveland, Ohio

Learner Objectives: After participating in this activity, the learner will be able to: (1) Formulate a plan for anesthetic management of acute stroke (general versus monitored anesthesia care); (2) Recall the SNACC consensus guidelines for the management of acute ischemic stroke; (3) Describe blood pressure management before and after revascularization; (4) List the possible intraprocedural complications and recall how to manage; and (5) Plan for postoperative disposition of patient.

Session has limited seating and pre-registration is required.

Subspecialty Key: BLD, NR, PA, PS

9:30 am – 10:15 am

Review Course Lecture – 14

The Current Opioid Epidemic in the USA with Review of CDC Opioid Guidelines

Presenter: Asokumar Buvanendran, MD, William Gottschalk MD Professor of Anesthesiology, Vice Chair of Research, Department of Anesthesiology, Rush University Medical Center, Chicago, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the opioid epidemic in the USA; (2) Review the CDC guidelines on opioid prescriptions; and (3) Describe the methods to reduce the opioid crisis in the USA.

Subspecialty Key: AP, EEP

9:30 am – 10:30 am

PBLD – 13

Can There Be “Against Medical Advice” Discharge From the PACU?

Presenter: Karl Poterack, MD, Assistant Professor of Anesthesiology, Medical Director, Applied Clinical Informatics, Office of Information and Knowledge Management, Mayo Clinic, Phoenix, Arizona

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify patients at risk for immediate postoperative agitation and noncompliance; (2) Design a plan for dealing with agitated and/or uncooperative postoperative patients; (3) Evaluate noncompliant postoperative patients to determine whether they can safely refuse treatment; and (4) Recognize the difference; and assess whether a facility may need a plan to specifically deal with discharge against medical advice from the PACU.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, PA, PS

9:30 am – 11:00 am

Panel – 23

Advanced Hemodynamic Monitoring for ERAS: Technology Overview and How to Choose A Device

Moderator: Tong J. Gan, MD, MHS, FRCA, Professor and Chairman, Department of Anesthesiology, Stony Brook University School of Medicine, Stony Brook University Hospital, Stony Brook, New York; President, American Society of Enhanced Recovery (ASER)

Panelists:

■ **Technologic Principles for CO Monitoring**

Robert “Bob” Thiele, MD, Assistant Professor of Anesthesiology and Biomedical Engineering, Co-Director, Enhanced Recovery After Surgery (ERAS) Program, University of Virginia Health System, Charlottesville, Virginia

■ **Cardiac Output Monitors: How to Choose a Device**

Karsten Bartels, MD, Assistant Professor of Anesthesiology and Surgery, University of Colorado School of Medicine; Staff Intensivist, Cardiothoracic Anesthesiologist, University of Colorado Hospital, Aurora, Colorado

■ **Do We Need CO Monitoring for ERAS Protocols?**

Timothy E. Miller, MB, ChB, FRCA, Associate Professor of Anesthesiology, Co-Director, Enhanced Recovery After Surgery (ERAS) Program, Chief, Division of General, Vascular, and Transplant Anesthesiology, Clinical Director, Abdominal Transplant Anesthesiology, Director, Perioperative Medicine Fellowship, Duke University School of Medicine, Durham, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the technologic principles, limitations, and advantages of different cardiac output monitoring techniques; (2) Assess the impact of different cardiac output monitoring techniques on improved perioperative outcomes; and (3) Evaluate critically the role of cardiac output monitoring in goal-directed fluid therapy concepts used for early recovery after surgery (ERAS) protocols.

Subspecialty Key: BLD, CA, EEP, TCSEM

9:30 am – 11:00 am, continued

Panel – 24

Oxygen Therapy: Too Much of A Good Thing?

Moderator: Holger K. Eltzschig, MD, PhD, Professor of Anesthesiology, Interim McGovern Chair, Department of Anesthesiology, McGovern Medical School, The University of Texas Health Center at Houston, Houston, Texas

Panelists:

- **Hyperoxia: The Lessons from Allied Specialties**
Shahzad Shaefi, MD, Program Director, Adult Cardiothoracic Anesthesia Fellowship, Program Director, Critical Care Fellowship, Assistant Professor in Anesthesia, Harvard Medical School, Beth Israel Deaconess Medical Center, Boston, Massachusetts
- **Hyperoxia: The Lessons from the Perioperative Arena**
Frederic “Josh” T. Billings, MD, MSCI, Assistant Professor, Division of Anesthesiology and Critical Care Medicine, Cardiothoracic Anesthesiology, Vanderbilt University School of Medicine, Nashville, Tennessee
- **Hyperoxia: The Lessons from Critical Care**
Michael Grocott, BSc, MBBS, MD, FRCA, FRCP, FFICM, Professor of Anaesthesia and Critical Care Medicine, Head, Critical Care Research Area, Southampton NIHR Respiratory Biomedical Research Unit, Head, Integrative Physiology and Critical Illness Group, University of Southampton, Southampton, England, United Kingdom

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe a brief history of oxygen therapy and how we’ve arrived at the current position; (2) Identify the newer clinical evidence supporting the idea of tighter control of normoxia within perioperative care, critical care and resuscitation; (3) Assess plausible mechanisms at play in injurious hyperoxia; and (4) Review future avenues of research that may prove to be fruitful.

Subspecialty Key: AM, CC, EEP, PA, RES

9:30 am – 12:30 pm

Symposium – 02

Perioperative Delirium: Knowns and Unknowns

Moderator: Sinziana Avramescu, MD, PhD, FRCPC, Assistant Professor, Department of Anesthesia, University of Toronto; Staff Anesthesiologist, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada; Regional Representative: International, eSAS

Panelists:

- **The Latest News on Perioperative Delirium: Myths or Scientific Evidence?**
Sinziana Avramescu, MD, PhD, FRCPC
- **Clarifying the Confusion: An Update on ICU Delirium Research**
Christopher G. Hughes, MD, Associate Professor of Anesthesiology, Program Director, Anesthesia Critical Care Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee
- **The Measurement of Postoperative Delirium and Associated Outcomes**
Karin Neufeld, MD, MPH, Clinical Director, Department of Psychiatry, Director, Inpatient Psychiatry Consultation Service, Johns Hopkins Bay View Medical Center, Baltimore, Maryland
- **Overcoming Confusion in Research into Postoperative Delirium**
Michael S. Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery, Director, INQUIRI, Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care, Washington University School of Medicine in St. Louis, St. Louis, Missouri; President-Elect, AUA
- **GABAergic Drugs and Delirium: Causes and Potential Treatments**
Beverley A. Orser, MD, PhD, FRCPC, Fellow, Canadian Academy of Health Sciences; Research Chair in Anesthesia, Professor of Anesthesia and Physiology, University of Toronto, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the latest advances in the prediction and diagnosis of perioperative delirium; (2) Apply the best available pharmacologic and non-pharmacologic methods to prevent and treat delirium; (3) Identify mechanisms that may contribute to delirium in the perioperative setting and cognitive dysfunction in the long-term; (4) Describe the mechanistic role of GABAergic drugs in causing delirium; and (5) Discuss potential strategies to prevent or treat delirium.

Subspecialty Key: AMB, AP, CC, GA, NR, PS, PA, SM

9:30 am – 12:30 pm

Workshop – 03

Virtual Reality: Just a Toy Unless We Use It Properly: Current Uses and Future Direction in Health Care

Workshop Leader: Fahad Alam, MD, Assistant Professor, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada

Presenter:

Clyde Matava, MD, Assistant Professor, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define virtual, augmented and immersive reality; (2) Recall a brief history and overview of the literature on the use of immersive reality in health care; (3) Discuss the cognitive learning theory underpinning immersive reality; and (4) Discuss current and future uses of immersive reality in health care.

Subspecialty Key: CC, EEP, NR, PS, TCSEM

10:15 am – 11:00 am

Review Course Lecture - 15

Update in Sepsis Management 2017

Presenter: Vivek K. Moitra, MD, Associate Professor of Anesthesiology, Chief, Division of Critical Care Medicine, Program Director, Critical Care Medicine Fellowship Program, Columbia University Medical Center; Medical Director, Surgical Intensive Care and Cardiothoracic Intensive Care Units, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Apply the new Sepsis-3 definition to their practice; (2) Discuss how the 2016 Surviving Sepsis Campaign recommendations apply to the perioperative period; and (3) Discuss the controversies in sepsis management.

Subspecialty Key: CC, PA, PS

10:45 am – 11:45 am

PBLD – 14

Anesthesia for Robot-Assisted Laparoscopic Surgery

Presenter: Kathleen Knapp, MD, Fellow, Cardiothoracic Anesthesiology, University of Colorado School of Medicine, Aurora, Colorado

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the pitfalls associated with the anesthetic management of a patient undergoing robot-assisted laparoscopic surgery (RALS); (2) Identify which patient might be at an increased risk for adverse outcomes associated with RALS; and (3) Review the mechanisms behind the development of cardiopulmonary instability occurring during RALS and how transesophageal echocardiography (TEE) may be used to better direct resuscitative measures.

Session has limited seating and pre-registration is required.

Subspecialty Key: CA, PA, PS, TCSEM

11:00 am – 11:45 am

Review Course Lecture – 16

**Predicting and Managing “MODA”:
The Morbid Obesity Difficult Airway**

Presenter: Naveen Eipe, MBBS, MD, Assistant Professor of Anesthesiology, University of Ottawa, Ottawa, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Formulate a prediction rule for MODA: The Morbid Obesity Difficult Airway; (2) Evaluate the role of pharmacological choices and airway adjuncts in MODA; and (3) Demonstrate an understanding of a standardized approach to predicting and managing MODA.

Subspecialty Key: AM, AP, CC, O, PA, RES

11:30 am - 1:00 pm

Panel – 25



Liver Intensive Care
Group of Europe

Protecting and Maximizing Organ Function in the OR and the ICU

Moderator: Ronald Pearl, MD, PhD, Dr. Richard K. and Erika N. Richards Professor and Chair, Department of Anesthesiology, Pain and Perioperative Medicine, Stanford University School of Medicine, Stanford, California

Panelists:

- **Protecting and Maximizing Heart Function in the OR and the ICU**
Nancy Nussmeier, MD, Adjunct Faculty, Anaesthesia, Harvard Medical School; Anaesthesiologist, Massachusetts General Hospital, Boston, Massachusetts
- **Protecting and Maximizing Brain Function in the OR and the ICU**
Miriam Treggiari, MD, PhD, MPH, Professor and Director of Clinical Research, Department of Anesthesiology and Perioperative Medicine, Oregon Health and Sciences University, Portland, Oregon
- **Protecting and Maximizing Kidney Function in the OR and the ICU**
Avinash Kumar, MD, FCCP, FCCM, Associate Professor, Division of Anesthesiology and Critical Care Medicine, Associate Professor of Neurology, Medical Director, Neuroscience ICU, Vanderbilt University School of Medicine, Nashville, Tennessee
- **Protecting and Maximizing Lung Function in the OR and the ICU**
Ronald Pearl, MD, PhD

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the effect of organ dysfunction on perioperative outcomes; (2) Recall the etiologies of cardiac, renal, pulmonary, and neurologic dysfunction in patients undergoing anesthesia and surgery; (3) Describe strategies to prevent cardiac, renal, pulmonary, and neurologic dysfunction in patients undergoing anesthesia and surgery; and (4) Discuss new techniques for optimizing or replacing the function of the failing heart, lung, and kidney.

Subspecialty Key: AM, AP, CA, CC, NR, PA, PS, RES, T

Panel – 26



Mapping the Gap: Anesthesia Research in Low- and Middle-Income Countries (LMICs)

Co-Moderator: Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE, Distinguished University Professor and Chair / Chief, London Health Sciences Centre, St. Joseph's Health Care London, Western University; Medical Director, MEDICI Centre, London, Ontario, Canada; WFSA Scientific Affairs Committee; Chair, IARS

Co-Moderator: Jannicke Mellin-Olsen, MD, DPH, Consultant Anesthesiologist, Department of Anaesthesia and Intensive Care Medicine, Baerum Hospital, Baerum, Norway; President-Elect, WFSA

Panelists:

- **Why Do We Need More Anesthesia Research in LMICs?**
Alberto Ardon, MD, MPH, Assistant Professor, Department of Anesthesiology, University of Florida College of Medicine, Jacksonville, Florida
- **Anesthesia Research in South Asia: Barriers and Roadblocks**
Fauzia Khan, MBBS, LRCP, MRCS, FCPS, FRCA, Tajdin H. Jaffar Professor of Anaesthesiology and Consultant Anaesthesiologist, Department of Anaesthesiology, Aga Khan University, Karachi, Pakistan
- **How Can the IARS and WFSA Support Research in LMICs?**
Angela Enright, OC, MB, FRCPC, Clinical Professor of Anesthesia, University of British Columbia; Royal Jubilee Hospital, Victoria, British Columbia, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the need for more anesthesia research in LMICs, especially given the increased focus on global anesthesia and surgery; (2) Identify some of the barriers to performing research in resource-poor environments; and (3) Evaluate ways that the IARS, WFSA and individual clinicians can support the development of research in LMICs.

Subspecialty Key: EEP, GH

12:00 pm - 12:45 pm

Review Course Lecture – 17

Organization Fear: The Silent Killer

Presenter: Chet Wyman, MD, Attending Physician, Anesthesiology and Critical Care Medicine, Johns Hopkins Bayview Medical Center, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the ladder of inference and how it affects behavior; (2) Describe why hospitals are prone to the cycle of fear; (3) List five ways that fear affects organization performance; (4) Underline why conflict is essential to your organization; (5) Describe the relationship between trust and performance; and (6) Identify two tools/strategies useful in minimizing the presence of fear in the organization.

Subspecialty Key: EEP

12:00 pm - 1:00 pm

PBLD – 15



Brain Health in the Ambulatory Setting: What Do We Know About Delirium and Cognitive Dysfunction in This Setting?

Presenters:

Niraja Rajan, MD, Assistant Professor of Anesthesiology, Pennsylvania State Health Milton S. Hershey Medical Center; Medical Director, Hershey Outpatient Surgical Center, Hershey, Pennsylvania

Richard D. Urman, MD, MBA, CPE, Associate Professor of Anaesthesia, Harvard Medical School; Director (Anesthesia), Center for Perioperative Research, Brigham and Women's Hospital, Boston, Massachusetts; Chief, Anesthesia Services, Medical Director, Sedation for Interventional Procedures, Brigham and Women's Hospital Ambulatory Care Center, Chestnut Hill, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify pediatric and geriatric patients at risk for emergence delirium or cognitive dysfunction; (2) Assess strategies to prevent emergence delirium; (3) List methods of treatment of emergence delirium; and (4) Summarize our current knowledge on the subject of cognitive dysfunction after anesthesia.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, GA, NR, PED

2:00 pm - 2:45 pm

Review Course Lecture – 18

What Every Anesthesiologist Should Know About Patient Safety

Presenter: Matthew Weinger, MD, Professor of Anesthesiology, Biomedical Informatics, Medical Education and Civil/Environmental Engineering, Vice Chair, Academic Affairs, Department of Anesthesiology, Vanderbilt University School of Medicine, Nashville, Tennessee

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the non-routine event conceptual model of everyday practice and the safety-production paradox; (2) Define human factors engineering and describe how it can be used to improve processes and systems; (3) Describe the potential safety impact of some relevant performance-shaping factors (e.g., workload, fatigue, distractions); and (4) Discuss the importance of non-technical (i.e., teamwork, behavioral) skills in interdisciplinary practice and crisis management.

Subspecialty Key: EEP, PS

2:00 pm - 3:00 pm

PBLD – 16

How Should I Manage My Patient's Neurologic Complication Associated with a Regional Anesthetic?

Presenter: Joseph M. Neal, MD, Department of Anesthesiology, Virginia Mason Medical Center, Seattle, Washington

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify factors that may predispose patients to neurologic injury; (2) Differentiate those conditions that demand immediate diagnosis and therapeutic intervention; and (3) Demonstrate knowledge of those factors that may predispose patients to neurologic injury.

Session has limited seating and pre-registration is required.

Subspecialty Key: NR, PS, RA

2:00 pm - 3:30 pm

Panel – 27



Sleep-Disordered Breathing in Pregnancy

Moderator: Alexandra Bullough, MBChB, FRCA, MD, Associate Professor, Department of Anesthesiology, Loyola University Health System, Maywood, Illinois

Panelists:

- **Sleep-Disordered Breathing and Pregnancy Outcomes**
Ghada Bourjeily, MD, Associate Professor, Department of Medicine, Alpert Medical School, Brown University, Providence, Rhode Island
- **Sleep-Disordered Breathing in Pregnancy: Screening and Implications of Opioid Use**
Ellen Lockhart, MD, Professor and Vice Chairman, Department of Anesthesiology, Washington University School of Medicine in St. Louis, St. Louis, Missouri
- **Positive Airway Pressure for Treatment of Sleep-Disordered Breathing in Pregnancy**
Louise O'Brien, PhD, MS, Research Associate Professor, Department of Neurology Sleep Disorders Center, Research Associate Professor, Department of Obstetrics and Gynecology, Associate Research Scientist, Oral and Maxillofacial Surgery, University of Michigan Health System, Ann Arbor, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Recall the epidemiological associations and outcomes between sleep-disordered breathing (SDB) and pregnancy; (2) Summarize the current status and limitations of screening tools for Obstructive Sleep Apnea in pregnancy; (3) Discuss anesthetic risks for neuraxial opioids in parturients with SDB undergoing labor epidural and/or cesarean delivery, as well as for parenteral opioids in non-obstetric surgery in the obstetric patient; (4) Identify the first-line treatment for SDB and describe associations between positive airway pressure use in pregnancy and maternal health; and (5) Evaluate emerging data regarding the impact of PAP therapy on fetal outcomes.

Subspecialty Key: AM, AP, OB, PS, RES, SM

Panel – 28



What Anaesthesia is About: Ventilation, Anaesthetics and Fluids

Moderator: Marcelo Gama de Abreu, MD, MSc, PhD, DESA, Vice-Director Head of Research, Department of Anesthesiology and Intensive Care, University Hospital Carl Gustav Carus, Dresden University of Technology, Dresden, Germany

Panelists:

- **Perioperative Ventilation Strategies to Reduce Pulmonary Complications**
Marcelo Gama de Abreu, MD, MSc, PhD, DESA
- **New Drugs or Formulations in the Hypnotic and Sedative Pipeline**
Anthony Absalom, MD, Professor of Anaesthesia, University Medical Center Groningen, Groningen, Netherlands
- **Current Status of Perioperative Fluid Management**
Andreas Hoeft, MD, Professor, Department of Anesthesiology and Intensive Care Medicine, University Hospital Bonn, Bonn, Germany

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify and prepare for using new sedative and hypnotic drugs that are coming up soon; (2) Select evidence-based ventilation strategies that can reduce postoperative pulmonary complications; (3) Measure appropriate usage based on the current evidence on perioperative fluid management; (4) Identify the properties of an ideal hypnotic, and the limitations of the currently available agents; (5) Discuss the driving forces behind commercial drug development programs; (6) Compare the types and groups of agents in development and the status of the different programs; and (7) Discuss the strengths and weaknesses revealed by phase 1 and 2 studies of the drugs in the pipeline.

Subspecialty Key: CC, GH, PA, PM, RA, T

2:00 pm – 6:00 pm

Workshop – 04

Perioperative Point-of-Care Ultrasound (PoCUS) Workshop

Workshop Leader: Vincent W.S. Chan, MD, FRCPC, FRCA, Professor, Department of Anesthesiology, University of Toronto; Toronto Western Hospital, Toronto, Ontario, Canada

Jan Boublik, MD, PhD, Assistant Professor of Anesthesiology, Stanford University School of Medicine, Stanford, California

Mary Beth Brady, MD, FASE, Associate Professor and Vice Chair for Education, Department of Anesthesiology and Critical Care, Director, Intraoperative TEE Program, Johns Hopkins Medicine, Baltimore, Maryland

Stephen Haskins, MD, Clinical Assistant Professor of Anesthesiology, Hospital for Special Surgery, New York, New York

James Osorio, MD, Assistant Professor of Anesthesiology, Program Director, Critical Care Medicine Fellowship, Weill Cornell Medicine; New York-Presbyterian Hospital, New York, New York

Julin F. Tang, MD, MS, Professor of Clinical Anesthesia, University of California, School of Medicine, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the basic principles of ultrasound imaging for airway and diaphragmatic assessment; (2) Apply ultrasound imaging to assess gastric content and volume; (3) Practice hands on lung imaging skills to evaluate hypoxemic states; and (4) Perform basic transthoracic echocardiography (TTE) examinations.

Subspecialty Key: AM, CA, EEP, RES

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4:00 pm – 4:45 pm

Review Course Lecture – 19

Improve Sleep After Surgery: What We Can Do as Anesthesiologists

Presenters:

Dong-Xin Wang, MD, PhD, Professor and Chairman, Department of Anesthesiology and Critical Care Medicine, Peking University First Hospital, Beijing, China

Daqing Ma, MD, PhD, FRCA, Professor of Anaesthesia, BOC Chair and Head of Anaesthesia Research of the Section of Anaesthetics, Pain Medicine and Intensive Care, Department of Surgery and Cancer, Imperial College London; Chelsea and Westminster Hospital, London, England, United Kingdom

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define what is normal sleep; (2) Describe what happens to sleep after surgery; (3) Recall harmful effects of sleep disturbances on postoperative recovery; (4) Identify what we can do to improve postoperative sleep; and (5) Evaluate whether sleep improvement can ameliorate patient outcomes.

Subspecialty Key: PA, SM

4:00 pm – 5:00 pm

PBLD – 17

Perioperative Renal Replacement Therapy: Does It Matter?

Presenter: Dragos Galusca, MD, Division Head, Critical Care/Transplant Anesthesia, Henry Ford Hospital, Detroit, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the risk factors and causes of renal injury for patients undergoing general anesthesia; (2) Discuss timing and indications for perioperative renal replacement therapy in high-risk patient populations; and (3) Review evidence-based renal-protective modalities in the perioperative period.

Session has limited seating and pre-registration is required.

Subspecialty Key: CC, L, PS, PA, T

4:00 pm - 5:30 pm

Panel – 29

Perioperative Cognitive Disorders

Moderator: Lisbeth Evered, BSc, MBIostat, PhD, Associate Professor, Principal Research Fellow, Fellow, NHMRC/ARC Dementia Research, Melbourne Medical School, University of Melbourne; Scientific Head of Research, Department of Anesthesia and Acute Pain Medicine, St. Vincent's Hospital Melbourne, Melbourne, Australia; Chair, Perioperative Cognition Professional Interest Area, ISTAART Alzheimer's Association (US)

Panelists:

- **Impact of Perioperative Cognitive Disorders: Are There Any?**
Kirk Hogan, MD, JD, Professor, Department of Anesthesiology, University of Wisconsin School of Medicine, Madison, Wisconsin
- **Talking the Same Language About Cognitive Impairment**
Lisbeth Evered, BSc, MBIostat, PhD
- **Cognition in the Community**
Esther Oh, MD, PhD, Assistant Professor of Medicine, Pathology, and Psychiatry and Behavioral Sciences, Johns Hopkins Medicine; Co-Director, Johns Hopkins Memory and Alzheimer's Treatment Center, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain the multiple cognitive disorders associated with aging, and known etiologies, for patients presenting at risk of, cognitive impairment; (2) Discuss issues associated with preoperative cognitive assessment in the hospital setting and the impact on perioperative care; (3) Identify types of cognitive disorders that follow anesthesia and surgery and describe the short, medium, and long-term impact; (4) Discuss where these cognitive disorders sit within the DSM-5 and NIA-AA classifications; (5) Discuss the clinical impact of anesthesia and surgery on the cognitive outcomes of patients using recommended nomenclature in line with geriatric medicine; (6) Explain possible models of perioperative care, including appropriate referral and liaison pathways; and (7) Describe the patient safety benefits and improved outcomes of employing a multidisciplinary approach to elderly care.

Subspecialty Key: EEP, GA, NR, PS, PA

Panel – 30



Closed Claims and Key Safety Considerations in Patients and Parturients with Obesity

Moderator: Roman Schumann, MD, Professor, Vice-Chair for Academic Affairs, Department of Anesthesiology, Tufts University School of Medicine, Boston, Massachusetts; President, ISPCOP

Panelists:

- **Obesity and Anesthesia: A Safety Concern for Every Practitioner**
Roman Schumann, MD
- **Obesity in the Closed Claims Database**
Karen B. Domino, MD, MPH, Professor and Vice Chair for Clinical Research, Department of Anesthesiology and Pain Medicine, Adjunct Professor, Neurological Surgery, University of Washington Medicine, Seattle, Washington; Director, Anesthesia Closed Claims Project
- **Current Key Safety Recommendations in the Anesthetic Care of the Obese Perioperative Patient: A Transatlantic View**
Michael Margaron, MBBS, MD, Consultant in Anesthesia and Critical Care, St. Richard's Hospital, Chichester, England, United Kingdom
- **Maternal Obesity: Medical Consequences and Infrastructure Needed for Safe Care of the Obese Parturient**
Vilma Ortiz, MD, Assistant Professor of Anaesthesia, Harvard Medical School; Associate Anaesthetist, Department of Anaesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe perioperative complications associated with morbid obesity in the Anesthesia Closed Claims database; (2) Assess most frequent causes of adverse outcomes associated with morbid obesity Closed Claims; (3) Apply these findings to improving safety in the perioperative care of morbidly obese patients; (4) Explain safety recommendations for anesthetic care of the obese; (5) Review the consequences of maternal obesity; and (6) Discuss the necessary clinical and infrastructural approaches to address this major problem.

Subspecialty Key: O, PS, PA

Daily Schedule-at-a-Glance

6:00 am –12:00 pm Registration

7:00 am –12:00 pm

Concurrent Sessions

- Panels
- Problem-Based Learning Discussions (PBLDs)
- Review Course Lectures (RCLs)

Tuesday, May 9

7:00 am – 8:30 am

Panel – 31



The Anesthesiologist's Role in Structural Heart Disease

Moderator: Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE, Distinguished University Professor and Chair / Chief, London Health Sciences Centre, St. Joseph's Health Care London, Western University; Medical Director, MEDICI Centre, London, Ontario, Canada; WFSA Scientific Affairs Committee; Chair, IARS

Panelists:

- **TAVR Team: Patient Management and Recovery**
Peter Neuburger, MD, Assistant Professor, Department of Anesthesiology, Perioperative Care, and Pain Medicine, Division of Cardiothoracic Anesthesiology, New York University School of Medicine, Langone Medical Center, New York, New York

■ Role of the Anesthesiologist in Mitral Valve Interventional Procedures

Burkhard Mackensen, MD, PhD, FASE, Professor of Anesthesiology and Adjunct Professor of Medicine, Chief, Division of Cardiothoracic Anesthesiology, Endowed Chair, Cardiothoracic Anesthesiology, University of Washington Medicine, Seattle, Washington

■ Left Atrial Appendage Occlusion and Other Structural Procedures

Douglas Shook, MD, FASE, Assistant Professor of Anaesthesia, Harvard Medical School; Chief, Division of Cardiac Anesthesia, Brigham and Women's Hospital, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the structural heart laboratory and lesions that are managed using innovative techniques; (2) Discuss the potential role of the cardiac anesthesiologist to serve as the echocardiographer consultant for these patients; (3) Formulate a risk/benefit plan and cost-effectiveness analysis for the management of such patients, using general anesthesia versus monitored anesthesia care; and (4) Plan for the anesthesiologist to manage the care team.

Subspecialty Key: AM, AP, CA, CC, EEP, PS, PA, RES, T

Subspecialty Key

AM Airway Management	EEP Economics, Education and Policy	OB Obstetric Anesthesiology	RA Regional Anesthesia
AMB Ambulatory Anesthesia	GA Geriatric Anesthesia	PME Pain Mechanisms	RES Respiration
AP Anesthetic Pharmacology	GH Global Health	PM Pain Medicine	SM Sleep Medicine
BLD Blood Management	L Liver	PS Patient Safety	TCSEM Technology, Computing and Simulation, Equipment Monitoring
CA Cardiovascular Anesthesiology	NR Neuroscience in Anesthesiology and Perioperative Medicine	PED Pediatric Anesthesiology	T Trauma
CC Critical Care	O Obesity	PA Perioperative Anesthesia	

7:00 am – 8:30 am, continued

Panel – 32

Increasing Women and Diversity in Anesthesia Leadership

Moderator: Jeanine P. Wiener-Kronish, MD, Henry Isaiah Dorr Professor of Research and Teaching in Anaesthetics and Anesthesia, Harvard Medical School; Chief of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts; President, AUA

Panelists:

- **Increasing Women and Diversity in Our Departments of Anesthesia**
Jeanine P. Wiener-Kronish, MD
- **Increasing Women Researchers in Anesthesia**
Beverley A. Orser, MD, PhD, FRCPC, Fellow, Canadian Academy of Health Sciences; Research Chair in Anesthesia, Professor of Anesthesia and Physiology, University of Toronto, Toronto, Ontario, Canada
- **Increasing Diversity in Anesthesia**
J. Renee Navarro, PharmD, MD, Vice Chancellor, Diversity and Outreach, Professor of Anesthesia and Perioperative Care, University of California, San Francisco School of Medicine, San Francisco, California
- **Which Leadership Skills to Teach Our Faculty**
Margaret Wood, MB, ChB, E.M. Papper Professor Emerita of Anesthesiology, Columbia University Medical Center, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss efforts and strategies for improving careers for women in research; (2) Describe the need for increased diversity in our trainees and amongst our leadership; and (3) Design strategies for improving leadership skills in all of our promising trainees.

Subspecialty Key: EEP

7:30 am – 8:15 am

Review Course Lecture – 20

State-of-the-Art Topics in Malignant Hyperthermia

Presenter: Sheila Riazi, MD, Staff Anesthesiologist, Toronto Western Hospital; Associate Professor of Anesthesia, University of Toronto, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify which patients need a non-triggering technique, understanding the phenotypic variability of Malignant Hyperthermia (MH); (2) Recall updates on diagnosis and treatment of MH; (3) Describe the genetics of MH and related disorders; and (4) Evaluate the connection between MH and exertional heat illness (EHI).

Subspecialty Key: AMB, AP, CC, PA

7:30 am – 8:30 am

PBLD – 18

Severe Childhood Obesity Presenting as Acute Epiglottitis

Presenter: Olubukola Olugbenga Nafiu, MD, FRCA, MS, Associate Professor, Department of Anesthesiology, Director, Pediatric Anesthesia Research, University of Michigan Health System, Ann Arbor, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the epidemiology of childhood obesity with particular emphasis on clinically severe obesity; (2) Review differential diagnoses of acute upper airway obstruction; (3) Discuss the unique problems associated with severe obesity and acute upper airway obstruction; (4) Identify the perioperative problems of childhood obesity; (5) Examine the systemic disorders associated with severe childhood obesity; and (6) Discuss the possible role of anesthesia caregivers in the social management of severe childhood obesity.

Session has limited seating and pre-registration is required.

Subspecialty Key: AM, CC, O, PED, RES, SM, T

8:30 am – 9:15 am

Review Course Lecture – 21

Flying the Anesthesia Machine: Lessons for Anesthesiology from Aviation

Presenter: Steven J. Barker, PhD, MD, Professor Emeritus, Department of Anesthesiology, College of Medicine, and Department of Aerospace and Mechanical Engineering, University of Arizona, Tucson, Arizona

Learner Objective: After participating in this activity, the learner will be able to: (1) Examine the parallels between aviation and anesthesiology, including the development and application of new technologies in both fields; (2) Apply skills and decision-making methods from aviation and space exploration to anesthesiology and clinical care; (3) Identify our mistakes and propose a better course forward; (4) Identify and analyze new demands upon the next generation of anesthesiologists, created by the increasing sophistication of our technology; and (5) Formulate predictions for the future uses of aviation technologies in clinical anesthesiology, for example: heads-up displays and applications of simulators in anesthesia education and research.

Subspecialty Key: CC, EEP, PA, PS, TCSEM, T



Visit the Martin Luther King, Jr. Memorial in Washington, DC.

8:45 am – 9:45 am

PBLD – 19

Perioperative Management of Patients with Hypertrophic Cardiomyopathy (HCM) for Noncardiac Procedures. LVOTO, ICD, IHSS: Deciphering the HCM Alphabet

Presenters:

Nadia B. Hensley, MD, Director, Clinical Quality and Patient Safety, Assistant Professor, Anesthesiology and Critical Care Medicine, Division of Cardiothoracic Anesthesiology, Johns Hopkins Medicine, Baltimore, Maryland

Mary Beth Brady, MD, FASE, Associate Professor and Vice Chair for Education, Department of Anesthesiology and Critical Care, Director, Interoperative TEE Program, Johns Hopkins Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the pathophysiology and clinical presentation of patients with HCM; (2) Outline the medical and surgical options for HCM patients (e.g. pharmacology, ICD implantation, septal ablation, myectomy, transplantation); and (3) Formulate a perioperative management plan for patients with HCM.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, AP, CA, CC, L, NR, PS, PA, T

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Poster Pickup Hours

Saturday, May 6 6:00 am – 10:30 am
Sunday, May 7 6:00 am – 2:00 pm
Monday, May 8 6:00 am – 2:00 pm

Questions? View the Call4Posters™ website at www.call4posters.com/IARS, or you may email at societyposter@learnersdigest.com or call at 800-450-4194 (inside the United States) or 507-323-8500 (outside the United States).

8:45 am – 10:15 am

Panel – 33



Improving Health and Health Care Delivery Using Perioperative Information Systems

Moderator: Maxime Cannesson, MD, PhD, Professor of Anesthesiology and Vice Chair for Perioperative Medicine, Department of Anesthesiology and Perioperative Medicine, University of California, Los Angeles David Geffen School of Medicine; Ronald Reagan UCLA Medical Center, Santa Monica, California

Panelists:

- **Using Information Technology to Improve Quality and Patient Outcomes in the Perioperative Setting**
Maxime Cannesson, MD, PhD
- **Beyond Pent/Sux/Tube: Making Standardized Care the New Artful Care and How Technology Can Support Our Specialty's Future**
Brian S. Rothman, MD, Associate Professor of Anesthesiology, Medical Director of Perioperative Informatics and Customer Relationship Manager, Vanderbilt University School of Medicine, Nashville, Tennessee; President, STA
- **Clinical Decision Supports in the Perioperative Setting**
Bala Nair, PhD, Associate Professor, Department of Anesthesiology and Pain Medicine, University of Washington Medicine, Seattle, Washington
- **MIPS and MACRA: Update and Best Use of Technologies**
James Moore, MD, Clinical Professor of Anesthesiology and Perioperative Medicine, Ronald Reagan UCLA Medical Center, University of California, Los Angeles, Los Angeles, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify and describe the professional, economic, and legislative forces surrounding our specialty and how interesting ideas from 10 years ago have become our new reality; (2) Describe how our standard monitors have evolved and now deliver more actionable clinical information than ever before; and (3) Translate best practices from anesthesia literature to improve patient outcomes by using proactive automated process monitoring and automated process control with escalation pathways to minimize plan versus action variances as plans become increasingly complex.

Subspecialty Key: AP, EEP, PS, TCSEM

Panel – 34



Physiological and Hemodynamic Challenges of Caring for the Golden-Age Patient

Moderator: Benjamin Drenger, MD, Head of Orthopedic Anesthesia, Hebrew University Hadassah Medical Center, Jerusalem, Israel

Panelists:

- **The Elderly Laboring Mother: An Increasingly Common Phenomena with Surprising Considerations**
Carolyn Weiniger, Specialist in Anesthesiology and Intensive Care Medicine, Hebrew University Hadassah Medical Center, Jerusalem, Israel
- **Super Elderly and Anesthesia: Overcoming the Challenges**
Idit Matot, MD, Professor and Chair, Department of Anesthesia, Critical Care and Pain, Tel Aviv Medical Center, Tel Aviv, Israel
- **Tolerance to Cardiovascular Medication Withdrawal in the Elderly**
Benjamin Drenger, MD

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the special challenges and physiological responses of the elderly population; (2) Design a specific list of rules when dealing with patients of an older age; (3) Evaluate the realities of the practicing anesthesiologist treating the super elderly (>85 y.o.) population; and (4) Examine hemodynamic goals and related outcomes.

Subspecialty Key: AMB, BLD, CA, CC, EEP, GA, GH, OB



Be sure to visit the Franklin Delano Roosevelt Memorial while in Washington, DC.

9:30 am – 10:15 am

Review Course Lecture – 22

Implementing Operating Room Management Improvement

Presenter: Franklin Dexter, MD, PhD, Professor, Department of Anesthesia, Carver College of Medicine, University of Iowa Health Care, Iowa City, Iowa

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe why, for most long-term (e.g. weeks to months) decision-making problems in OR management, the first steps are not to hold a meeting or collect data, but to search the scientific literature and why results published in journals like *Anesthesia & Analgesia* should guide decision making; (2) Discuss why learning vocabulary as used in scientific studies of OR management is needed before one can effectively perform a literature search and read papers; (3) Evaluate how cognitive biases impacting committees' decisions involving OR management are often worse than decisions made based on scientific studies; and (4) Describe why email with experts is often the easiest and most appropriate communication process for making operational OR management decisions.

Subspecialty Key: EEP



The Washington Monument is both the world's tallest stone structure and the world's tallest obelisk, standing 554 feet 7 11/32 inches.

10:00 am – 11:00 am

PBLD – 20

SICU Admission Following Opioid Sparing Anesthetic Technique

Presenters:

Jacquelyn Paetzold, DO, Anesthesiology Resident Physician, Tulane University, New Orleans, Louisiana

Philip G. Boysen, MD, MBA, FACP, FCCP, FCCM, Staff Physician, Department of Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana; Emeritus Professor, Department of Anesthesiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss and debate the use of opioid-sparing anesthetic techniques for planned SICU admissions, as well as the infusion of various drugs designed for this purpose; (2) Discuss surgical procedures and patient factors that warrant opioid-sparing anesthetic techniques; (3) Review the pharmacology of the agents; and (4) Develop a cost analysis for a two-hour case/procedure comparing opioid/volatile agents with an opioid-sparing technique.

Session has limited seating and pre-registration is required.

Subspecialty Key: AMB, AP, CC, EEP, PME, PM, PS, PA, T

10:30 am – 11:15 am

Review Course Lecture – 23

Lies, Damn Lies, and Anesthesia Myths

Presenter: John F. Butterworth, IV, MD, Professor and Chair of Anesthesiology, Virginia Commonwealth University, Richmond, Virginia; Incoming Chair, IARS

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the weak evidence base for the use of cricoid pressure to prevent Mendelson's syndrome; (2) Explain the limited rationale for the use of 0.9% saline; (3) Define the safety benefit of invasive monitoring and of the "slow, careful induction" for anesthesia in patients with cardiac disease; and (4) Discuss the evidence supporting the prescription of deep sedation or general anesthesia prior to interscalene blocks.

Subspecialty Key: EEP, PA, PS

10:30 am – 12:00 pm

Panel – 35



An Update on Perioperative Medication Management

Moderator: Deborah C. Richman, MBChB, FFA(SA), Associate Clinical Professor of Anesthesiology, Section Chief of Pre-operative Services, Stony Brook University School of Medicine, Stony Brook, New York; President, SPAQI

Panelists:

- **Evidence-Based Perioperative Medication Management and Perioperative Management of DMARDs (Disease Modifying Antirheumatic Drugs), Immunomodulators and Steroids**
Deborah C. Richman, MBChB, FFA(SA)
- **Update on Perioperative Management of Cardiac Drugs: Antihypertensives, DAPT (Dual Antiplatelet Therapy) and Aspirin**
Lee A. Fleisher, MD, FACC, FAHA, Robert D. Dripps Professor and Chair, Department of Anesthesiology and Critical Care, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania; Governing Board, SPAQI
- **Opioids/Antagonists/Agonists Including Buprenorphine Management in the Perioperative Period**
Darin J. Correll, MD, Director, Postoperative Pain Management Service, Brigham and Women's Hospital; Assistant Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize appropriate instructions for management of home medications perioperatively; (2) List the contraindications (relative and absolute) to staying on certain medications; (3) Discuss the risks of holding certain home medications for a period prior to surgery; and (4) Recall how to advise patients on cardiac, opiate, disease-modifying antirheumatoid, immunomodulator, antiplatelet and anticoagulant medications prior to surgery.

Subspecialty Key: AP, BLD, CA, PS, PA

Panel – 36

Game-Changing Education Technology

Panelists:

- **Using An Anesthesiology Control Tower to Prepare Trainees for the Future Perioperative Care**
Troy S. Wildes, MD, Associate Professor of Anesthesiology, Washington University School of Medicine in St. Louis, St. Louis, Missouri
- **Virtual Reality for Anesthesia**
Fahad Alam, MD, Assistant Professor, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada
- **Stanford Anesthesia Informatics and Media (AIM) Lab**
Lawrence Chu, MD, MS, Professor of Anesthesiology, Perioperative and Pain Medicine, Director, Stanford Anesthesia Informatics and Media (AIM) Lab, Stanford University School of Medicine, Stanford, California
- **OpenAnesthesia SelfStudyPLUS: Personalized, Optimized, Adaptive Learning**
Edward C. Nemergut, MD, Frederick A. Berry Professor of Anesthesiology and Professor of Neurological Surgery, Vice-Chair of Anesthesiology, University of Virginia, Charlottesville, Virginia; Executive Section Editor, Medical Education, *Anesthesia & Analgesia*; Editor-in-Chief of *OpenAnesthesia*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the rationale for exposing trainees to novel models of intraoperative care; (2) Identify the value of integrating perioperative telemedicine into resident education; (3) Discuss the educational benefits of a machine-assisted intraoperative Anesthesiology Control Tower; (4) Define virtual, augmented and immersive reality; (5) Discuss the brief history and overview of the literature on the use of immersive reality in health care; (6) Discuss the cognitive learning theory underpinning immersive reality; (7) Discuss current and future uses of immersive reality in health care; (8) Discuss how technology can be used to incorporate test-enhanced learning, spaced repetition, and interleaved learning into an application; (9) Review how learning experiences can be enhanced with dynamic analytics and “big data”; and (10) Discuss how learning experiences can become adaptive.

Subspecialty Key: EEP, PS, TTCSEM

IARS 2017 Moderated Poster Discussion Sessions

Schedule-at-a-Glance

Saturday, May 6 _____

Moderated Poster Discussion Session-01

9:30 am – 11:00 am

Set-up Saturday, May 6, 6:30 am - 7:30 am

Removal Saturday, May 6, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-02

11:15 am – 12:45 pm

Set-up Saturday, May 6, 6:30 am - 7:30 am

Removal Saturday, May 6, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-03

2:00 pm – 3:30 pm

Set-up Saturday, May 6, 1:00 pm - 2:00 pm

Removal Saturday, May 6, 5:30 pm - 6:30 pm

Moderated Poster Discussion Session-04

4:00 pm – 5:30 pm

Set-up Saturday, May 6, 1:00 pm - 2:00 pm

Removal Saturday, May 6, 5:30 pm - 6:30 pm

Sunday, May 7 _____

Moderated Poster Discussion Session-05

7:30 am – 9:00 am

Set-up Sunday, May 7, 6:30 am - 7:30 am

Removal Sunday, May 7, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-06

9:30 am – 11:00 am

Set-up Sunday, May 7, 6:30 am - 7:30 am

Removal Sunday, May 7, 1:00 pm - 2:00 pm

Kosaka Best of Meeting Abstract Awards Session

11:00 am – 1:00 pm

Set-up Saturday, May 7, 6:30 am - 7:30 am

Removal Sunday, May 7, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-07

2:00 pm – 3:30 pm

Set-up Sunday, May 7, 1:00 pm - 2:00 pm

Removal Sunday, May 7, 5:30 pm - 6:30 pm

Moderated Poster Discussion Session-08

4:00 pm – 5:30 pm

Set-up Sunday, May 7, 1:00 pm - 2:00 pm

Removal Sunday, May 7, 5:30 pm - 6:30 pm

Monday, May 8 _____

Moderated Poster Discussion Session-09

7:30 am – 9:00 am

Set-up Monday, May 8, 6:30 am - 7:30 am

Removal Monday, May 8, 9:00 am - 9:30 am

Moderated Poster Discussion Session-10

9:30 am – 11:00 am

Set-up Monday, May 8, 9:00 am - 9:30 am

Removal Monday, May 8, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-11

11:30 am – 1:00 pm

Set-up Monday, May 8, 9:00 am - 9:30 am

Removal Monday, May 8, 1:00 pm - 2:00 pm

Moderated Poster Discussion Session-12

2:00 pm – 3:30 pm

Set-up Monday, May 8, 1:00 pm - 2:00 pm

Removal Monday, May 8, 5:30 pm - 6:30 pm

Moderated Poster Discussion Session-13

4:00 pm – 5:30 pm

Set-up Monday, May 8, 1:00 pm - 2:00 pm

Removal Monday, May 8, 5:30 pm - 6:30 pm

IARS 2017 Moderated Poster Discussion Sessions

General Information

Abstract Presenter:

Presenters are required to be in attendance at their assigned Moderated Poster Discussion Session and are asked to give a 3-5 minute summary of their most important findings. The poster moderator for your poster session will assist with facilitating discussion.

Assigned Poster Board Identification and Location:

For identification purposes, a poster board ID is assigned to all presenting authors. The assigned IDs will be affixed to each poster board in the poster room. Category Signs including day/date and session times will be placed at the end of each aisle in the poster session room. A staff member will be available to assist you with finding your poster board should you require assistance.

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). See the Abstract Category Key for Anesthesia Subspecialty Topics below.

IARS Annual Meeting e-Poster and Abstract Supplement: All IARS-accepted posters that are submitted as an electronic poster (e-poster) will be available for viewing by all attendees onsite at the IARS 2017 Annual Meeting and International Science Symposium via the IARS website. The abstract supplement for the IARS 2017 Annual Meeting and International Science Symposium consisting of all IARS-accepted abstracts will also be available for viewing by all attendees onsite at the IARS 2017 Annual Meeting and International Science Symposium via the IARS website.

Abstract Category Key for Anesthesia Subspecialty Topics

AM Airway Management	GA Geriatric Anesthesia	O Obesity	RA Regional Anesthesia
AMB Ambulatory Anesthesia	GH Global Health	OB Obstetric Anesthesiology	RES Respiration
AP Anesthetic Pharmacology	L Liver	PME Pain Mechanisms	SM Sleep Medicine
BLD Blood Management	LB Late-Breaking Abstract	PM Pain Medicine	TCSEM Technology, Computing and Simulation, Equipment Monitoring
CA Cardiovascular Anesthesiology	MCC Medically Challenging Cases	PS Patient Safety	T Trauma
CC Critical Care	NR Neuroscience in Anesthesiology and Perioperative Medicine	PED Pediatric Anesthesiology	
EEP Economics, Education and Policy		PA Perioperative Anesthesia	

IARS 2017 Moderated Poster Discussion Sessions

Setup and Breakdown Schedule

Presentation Date	Presentation Name	Presentation Times	Poster Setup Time**	Poster Removal Time**
Saturday, May 6	MPDS-01;* MPDS-02	9:30 am – 11:00 am 11:15 am – 12:45 pm	6:30 am – 7:30 am	1:00 pm – 2:00 pm
	MPDS-03; MPDS-04	2:00 pm – 3:30 pm 4:00 pm – 5:30 pm	1:00 pm – 2:00 pm	5:30 pm – 6:30 pm
Sunday, May 7	MPDS-05; MPDS-06	7:30 am – 9:00 am 9:30 am – 11:00 am	6:30 am – 7:30 am	1:00 pm – 2:00 pm
	Kosaka Best of Meeting Abstract Awards	11:00 am – 1:00 pm	Saturday, May 6, 6:30 am – 7:30 am	Sunday, May 7, 1:00 pm – 2:00 pm
	MPDS-07; MPDS-08	2:00 pm – 3:30 pm 4:00 pm – 5:30 pm	1:00 pm – 2:00 pm	5:30 pm – 6:30 pm
Monday, May 8	MPDS-09	7:30 am – 9:00 am	6:30 am – 7:30 am	9:00 am – 9:30 am
	MPDS-10; MPDS-11	9:30 am – 11:00 am 11:30 am – 1:00 pm	9:00 am – 9:30 am	1:00 pm – 2:00 pm
	MPDS-12; MPDS-13	2:00 pm – 3:30 pm; 4:00 pm – 5:30 pm	1:00 pm – 2:00 pm	5:30 pm – 6:30 pm

You are responsible for removing all material from the poster boards during the time interval listed above. There is no storage available for posters and any materials remaining will be discarded.

**MPDS stands for Moderated Poster Discussion Session.*

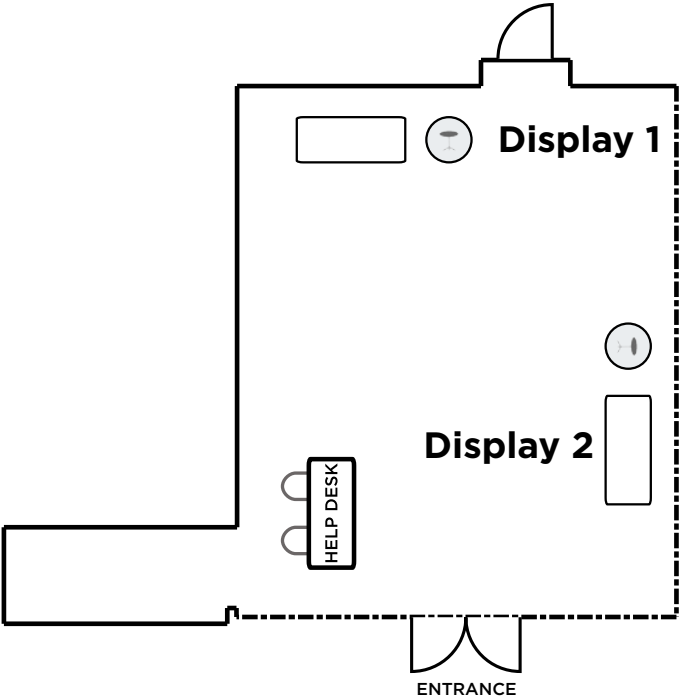
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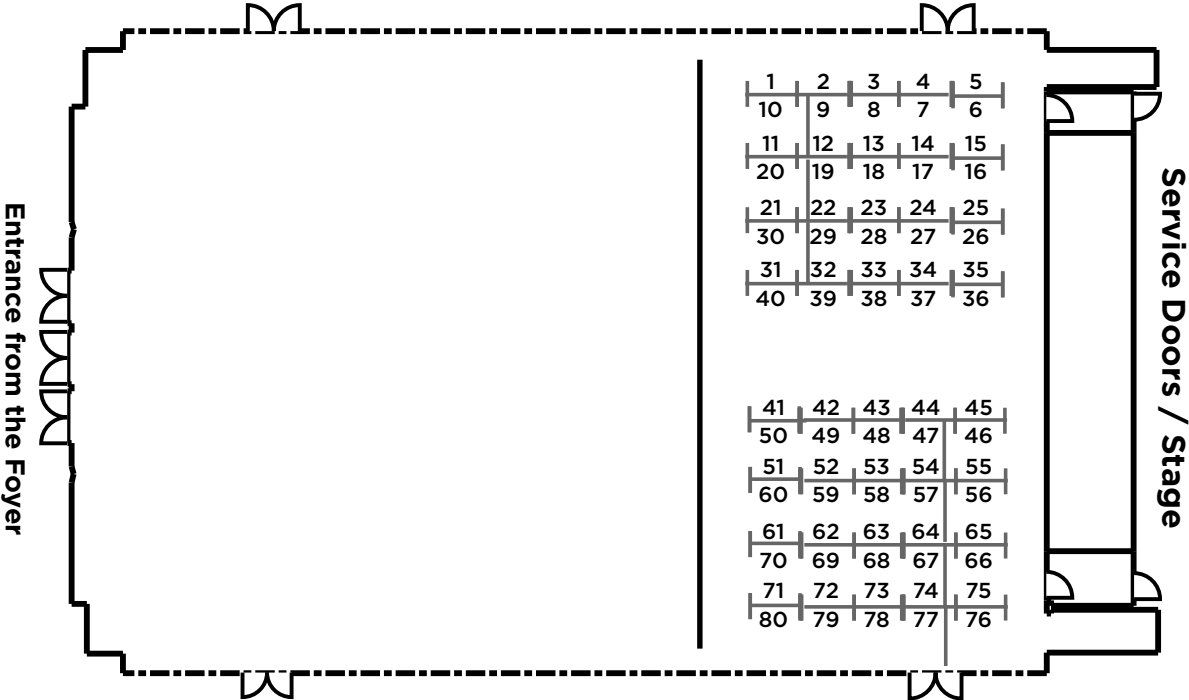
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Independence Level



Independence A-1, Independence Level



Kosaka Best of Meeting Top Finalists

These nine abstract posters have been selected from more than 600 abstract submissions to the IARS 2017 Annual Meeting and International Science Symposium for the distinction of Kosaka Best of Meeting Top Finalist. Join these top abstract finalists and cheer them on as they present their research to a panel of judges to compete for top honors at the Kosaka Best of Meeting Abstract Awards Session, taking place on Sunday, May 7, 11:00 am – 1:00 pm.

CLINICAL RESEARCH

Airway Management

AM 37 (1784): Peak Cervical Spinal Cord Strain Predictions are Affected by the Point of Force Application during Direct Laryngoscopy

Benjamin C. Gadomski, PhD¹, Brad J. Hindman, MD², Brandon G. Santoni, PhD³, Michael Todd, MD⁴, Vincent C. Traynelis, MD⁵, Ricardo B. Fontes, MD, PhD⁵, Christian M. Puttlitz, PhD¹

¹Colorado State University, Fort Collins, Colorado,

²University of Iowa, Iowa City, Iowa, ³Foundation for Orthopaedic Research and Education, Tampa, Florida,

⁴University of Minnesota, Minneapolis, Minnesota,

⁵Rush University, Chicago, Illinois

Geriatric Anesthesia

GA 74 (1596): Persistent Pain is Associated with Accelerated Memory Decline and Dementia in A Longitudinal Cohort Of Elders

Elizabeth L. Whitlock, MD, MSc¹, L G Diaz-Ramirez, MS¹, M M Glymour, ScD, MS¹, W J Boscardin, PhD¹, Kenneth E Covinsky, MD¹, Alexander K Smith, MD, MPH¹

¹University of California, San Francisco, San Francisco, California

Pediatric Anesthesiology

PED 27 (1989): Virtual Reality for Educating and Reducing Preoperative Anxiety in Children, Phase 1: Design, Face Validity and Acceptability By Health Care Professionals

Benjamin J. O'Sullivan, MBChB¹, Katie Brezel, BScN¹, Monica Caldera, BScN¹, Maria Salman, MD¹, Fahad Alam, MD, FRCPC², Clyde Matava, MD¹

¹The Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, ²Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

BASIC SCIENCE RESEARCH

Anesthetic Pharmacology

AP 6 (1785): High Throughput Screening for Novel General Anesthetics in Larval Zebrafish

Xiaoxuan Yang, MD¹, Youssef Jounaidi, PhD², Jennifer Dai, PhD, MS², Francisco Marte, BA², Renee V. Daigle, PhD², Stuart Forman, MD, PhD²

¹Shanghai Jiaotong University School of Medicine, Shanghai, China, ²Massachusetts General Hospital, Boston, Massachusetts

Neuroscience in Anesthesiology and Perioperative Medicine

NR 37 (1794): GABA Neurons in the Rostromedial Tegmental Nucleus Modulate Arousal and Anesthetic Sensitivity in Mice

Ksenia Y. Vlasov, BA², JunZhu Pei, BS², Norman E. Taylor, MD, PhD¹, Christa J. Van Dort, PhD¹, Jennifer A. Guidera, BA¹, Emery N. Brown, MD, PhD¹, ; **Ken Solt, MD¹**

¹Massachusetts General Hospital, Boston, Massachusetts, ²Massachusetts Institute of Technology, Cambridge, Massachusetts

Neuroscience in Anesthesiology and Perioperative Medicine

NR 37 (2058): Ketamine Reduces Post-Traumatic Brain Injury Neurogenesis and Improves Outcomes in Mice

Austin Peters, MD, Laura E. Villasana, PhD, Eric Schnell, MD, PhD

Oregon Health & Science University, Portland, Oregon

Kosaka Best of Meeting Top Finalists

SCHOLARS

Perioperative Anesthesiology

PA 35 (1124): Postoperative Pulmonary Complications Not Increased With Combined Regional + General Anesthesia Compared to General Anesthesia Alone: A Sub-Analysis of The Perioperative Research Network Study

Kristina Cogger, MD¹, Gyorgy Frendl, MD, PhD, FCCM², Juraj Sprung, MD, PhD³, Daryl J Kor, MD³, Bala Subramaniam, MD⁴, Ricardo Martinez Ruiz, MD⁵, Jae-Woo Lee⁶, William G Henderson⁷, Angela Moss, MS⁷, Niten Mehdiratta², Megan Colwell⁸, Karsten Bartels, MD¹, Kerstin Kolodzie⁶, Jadelis Giquel⁵, Marcos Francisco Vidal Melo⁸, Ana Fernandez-Bustamante, MD, PhD¹

¹University of Colorado School of Medicine, Aurora, Colorado, ²Brigham and Women's Hospital, Boston, Massachusetts, ³Mayo Clinic, Rochester, Minnesota, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, ⁵University of Miami, Palmetto Bay, Florida, ⁶University of California, San Francisco, San Francisco, California, ⁷Adult and Children Outcomes Research and Delivery Systems, ⁸Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

Patient Safety

PS 49 (1048): Intraoperative Neuromuscular Blocking Agent Administration and Hospital Readmission

Tharusan Thevathasan¹, Shirley Shih, MD, MS², Kyan C. Safavi, MD, MBA¹, David L Berger, MD¹, Sara M Burns, MS¹, Matthias Eikermann, MD, PhD¹, Jeffrey C. Schneider, MD²

¹Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, ²Massachusetts General Hospital, Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, Massachusetts

Sleep Medicine

SM 16 (1404): Using DVPRS As A Single-Item Screening Tool For Postoperative Sleep Disturbance

Albert Hsu, MD, Christian Calilung, MSc

Walter Reed National Military Medical Center, Bethesda, Maryland

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CLINICAL RESEARCH

Airway Management

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¹Colorado State University, Fort Collins, Colorado,

²University of Iowa, Iowa City, Iowa, ³Foundation for Orthopaedic Research and Education, Tampa, Florida,

⁴University of Minnesota, Minneapolis, Minnesota,

⁵Rush University, Chicago, Illinois

Airway Management

AM 39 (1350) Predictors of Difficult Intubation: A Prospective Study of 1351 Patients

Tiffany Moon, MD, Yuri Volnov, BS, Michael X. Gonzales, MS, Agnes Kim, BA, Charles S. Koshy, MD, Abu Minhajuddin, PhD, Babatunde Ogunnaike, MD

University of Texas Southwestern, Dallas, Texas

Cardiovascular Anesthesiology

CA 21 (1477) Plasma Free Hemoglobin, Oxidative Damage, and Acute Kidney Injury in Cardiac Surgery

Marcos G. Lopez, MD, MS, Mias Pretorius, Frederic T. Billings, MD, Mac

Vanderbilt University Medical Center, Nashville, Tennessee

Critical Care

CC 54 (1276) Motoric Subtype of Delirium and Global Cognition after Critical Illness

Christina J. Hayhurst, MD¹, Mayur B. Patel, MD, MPH, FACS¹, Jim Jackson, PsyD², Annachiara Marra, MD¹, Jennifer L. Thompson, MPH², Rameela Chandrasekhar, PhD², Christopher Hughes, MD²

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt University School of Medicine, Nashville, Tennessee

Critical Care

CC 55 (2254) Persistence of Newly Acquired Epigenetic Changes in PU.1 in Sepsis Survivors

Krzysztof Laudanski, MD, PhD¹, Mateusz Zawadka, MD², Jacek Polosak, PhD³, Monika Puzianowska-Kuźnicka, MD, PhD³

¹University of Pennsylvania, Philadelphia, Pennsylvania,

²Warsaw Medical University, Warsaw, Poland,

³Mossakowski Research Center, PAS, Warsaw, Poland

Geriatric Anesthesia

GA 74 (1596): Persistent Pain is Associated with Accelerated Memory Decline and Dementia in A Longitudinal Cohort Of Elders

Elizabeth L. Whitlock, MD, MSc, L G Diaz-Ramirez, MS1, M M Glymour, ScD, MS, W J Boscardin, PhD, Kenneth E Covinsky, MD, Alexander K Smith, MD, MPH

University of California, San Francisco, San Francisco, California

Liver

L 20 (1159) Metabolomic Profiling of Post-Reperfusion Coagulopathy in Liver Transplantation

Nathan Clendenen, MD, Kirk Hansen, PhD, Angelo D'Alessandro, PhD, Nathaen Weitzel, MD

University of Colorado, Aurora, Colorado

Pediatric Anesthesiology

PED 27 (1989): Virtual Reality for Educating and Reducing Preoperative Anxiety in Children, Phase 1: Design, Face Validity and Acceptability By Health Care Professionals

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¹The Hospital for Sick Children, Toronto, Ontario, Canada, ²Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

Kosaka Best of Meeting Awards Finalists

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Perioperative Anesthesia

PA 34 (1465) Impact of Intraoperative Hyperglycemia on Postoperative Outcomes

Nirav Shah, MD, Sachin Kheterpal, MD, MBA, Aleda Thompson, MS, Sathishkumar Subramaniam, MD

University of Michigan, Ann Arbor, Michigan

Regional Anesthesia

RA 51 (1869) Ultrasonographic Assessment of Topographic Anatomy of Brachial Plexus at Infraclavicular Fossa

Ajeet Kumar, MD¹, Abhyuday Kumar, MD²

¹All India Institute of Medical Sciences, New Delhi, New Delhi, India, ²All India Institute of Medical Science, New Delhi, India

BASIC SCIENCE RESEARCH

Anesthetic Pharmacology

AP 6 (1785) High Throughput Screening for Novel General Anesthetics in Larval Zebrafish

Xiaoxuan Yang, MD¹, Youssef Jounaidi, PhD², Jennifer Dai, BS², Francisco Marte, BA², Renee V. Daigle, PhD², Stuart Forman, MD, PhD²

¹Shanghai Jiaotong University School of Medicine, Shanghai, China, ²Massachusetts General Hospital, Boston, Massachusetts

Liver

L 24 (1910) Sevoflurane Provides Protection in Hepatic Ischemia-Reperfusion Injury by Decreasing ROS-Induced Apoptosis in Hepatocytes

Martin Schlapfer, MD, MSc¹, Birgit Roth Z'Graggen, PhD², Erik Schädle, MD², Beatrice Beck-Schimmer, MD¹

¹University Hospital Zurich, Zurich, Germany, ²University Zurich, Zurich, Germany

Neuroscience in Anesthesiology and Perioperative Medicine

NR 37 (1794) GABA Neurons in the Rostromedial Tegmental Nucleus Modulate Arousal and Anesthetic Sensitivity in Mice

Ken Solt, MD¹, Ksenia Y. Vlasov, BA², JunZhu Pei, BS², Norman E. Taylor, MD, PhD¹, Christa J. Van Dort, PhD¹, Jennifer A. Guidera, BA¹, Emery N. Brown, MD, PhD¹

¹Massachusetts General Hospital, Boston, Massachusetts, ²Massachusetts Institute of Technology, Cambridge, Massachusetts

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Austin Peters, MD, Laura E. Villasana, PhD, Eric Schnell, MD, PhD

Oregon Health and Science University, Portland, Oregon

Neuroscience in Anesthesiology and Perioperative Medicine

NR 33 (1635) Effects of Metabotropic Glutamate Receptor Blockers on Ketamine and Dexmedetomidine Induced Neonatal Brain Injury in a Rat Model

Tinat Chabrashvili, MD, PhD¹, James Marchand, PhD², Jesus Azocar, BS³, Antonella Pirone, PhD⁴, Roman Schumann, MD¹, **Ruben Azocar, MD, FCCM¹**

¹Tufts Medical Center, Tufts University School of Medicine, Boston, Massachusetts, ²University of Michigan at Ann Arbor, Ann Arbor, Michigan, ³Tufts Medical Center, Boston, Massachusetts, ⁴Tufts University School of Medicine, Boston, Massachusetts

Neuroscience in Anesthesiology and Perioperative Medicine

NR 36 (1584) Deep Hypothermic Circulatory Arrest Does Not Induce RNA-Binding Motif Protein 3 (RBM3) in Hippocampus in Adult Rats

Tomas Drabek, MD, PhD¹, Elizabeth Snajdar, OMS², Jason P Stezoski¹, Kyle S Simqu³, Patrick M Kochanek, MD¹, Travis C. Jackson, PhD¹

¹University of Pittsburgh, Pittsburgh, Pennsylvania, ²Ohio University, Dublin, OH, ³Kent State University, Kent, Ohio

Pain Mechanisms

PME 65 (1500) The Chronic Effects of Nicotine on Pain Sensitivities and on Neuropathic Pain in Adult Rats

Angelica M. Jaramillo, MD, Jeimy Alfonso, Yiliam F. Rodriguez Blanco, MD, Keith A. Candiotti, Yanping Zhang, PhD

University of Miami, Miami, Florida

Kosaka Best of Meeting Awards Finalists

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Pain Mechanisms

PME 66 (1598) Yokukansan, Japanese Herbal Medicine, Suppresses the Substance P-induced Production of IL-6 and IL-8 by Human U373MG Glioblastoma/Astrocytoma Cells

Keisuke Yamaguchi, MD, MBA

*Juntendo Tokyo Koto Geriatric Medical Center,
Koto-ku, Tokyo, Japan*

Pediatric Anesthesiology

PED 13 (1121) Mitochondrial cAMP-dependent Phosphorylation in the Developing Murine Brain

Yang Long, MD, Aili Wang, MD,

Richard J. Levy, MD, FAAP

Columbia University, New York, New York

SCHOLARS

Medically Challenging Cases

MCC 1 (1312) Near-Miss Hyperkalemic Arrest During Orthotopic Liver Transplant

Eric Brown, MD, Hemant Joshi, MD, PhD, Jeffrey D. White, MD

University of Florida, Gainesville, Florida

Medically Challenging Cases

MCC 8 (1076) Anesthetic Management of a Pediatric Patient with Pelizaeus-Merzbacher Syndrome

Jacob Esquenazi, MD, Roshan Patel, MD

Montefiore Medical Center, Bronx, New York

Neuroscience in Anesthesiology and Perioperative Medicine

NR 31 (1282) Changes in the Propofol-Induced Frontal Electroencephalogram in Pediatric Patients with Autism Spectrum Disorder

Elisa Walsh, BS¹, Patrick L Purdon, PhD², Emery N. Brown, MD, PhD³

²Harvard Medical School, Brookline, Massachusetts,

³Massachusetts General Hospital, Charlestown, Massachusetts, ³Massachusetts General Hospital, Cambridge, Massachusetts

Patient Safety

PS 41 (2149) Intraoperative Handover: What Are We Missing?

Sophia Lane, MD, Marketa Gross, RN, Cristian Arzola, MD, Archana Malavade, MD, Zeev Friedman, MD

Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada

Patient Safety

PS 49 (1048): Intraoperative Neuromuscular Blocking Agent Administration and Hospital Readmission

Tharusan Thevathasan¹, Shirley Shih, MD, MS², Kyan C. Safavi, MD, MBA¹, David L Berger, MD¹, Sara M Burns, MS¹, Matthias Eikermann, MD, PhD¹, Jeffrey C. Schneider, MD²

¹Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, ²Massachusetts General Hospital, Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, Massachusetts

Patient Safety

PS 68 (1549) Trends of Intraoperative Opioid and Non-Opioid Analgesic use and Associated Postoperative Pain Scores at an Academic Tertiary Care Hospital over a Four-Year Period

Gregory A Smith¹, Marcel Durieux¹, Bhiken Naik¹

¹University of Virginia, Charlottesville, VA

Pediatric Anesthesiology

PED 29 (1529) The Under Accounted for Role of Hypercarbia & Hypoxia in the Neonatal Rodent Models of Anesthesia-Related Developmental Delay

Ryan Lamm, BA, Kseniya Khmara, MD, Thomas F. Floyd, MD

Stony Brook University, Stony Brook, New York

Kosaka Best of Meeting Awards Finalists

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Perioperative Anesthesia

PA 35 (1124): Postoperative Pulmonary Complications Not Increased With Combined Regional + General Anesthesia Compared To General Anesthesia Alone: A Sub-Analysis of The Perioperative Research Network Study

Kristina Cogger, MD¹, Gyorgy Frendl, MD, PhD, FCCM², Juraj Sprung, MD, PhD³, Daryl J Kor, MD³, Bala Subramaniam, MD⁴, Ricardo Martinez Ruiz, MD⁵, Jae-Woo Lee⁶, William G Henderson⁷, Angela Moss, MS⁷, Niten Mehdiratta², Megan Colwel⁸, Karsten Bartels, MD¹, Kerstin Kolodzie⁶, Jadelis Giquel⁵, Marcos Francisco Vidal Melo⁸, Ana Fernandez-Bustamante, MD, PhD¹

¹University of Colorado School of Medicine, Aurora, Colorado, ²Brigham and Women's Hospital, Boston, Massachusetts, ³Mayo Clinic, Rochester, Minnesota, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, ⁵University of Miami, Palmetto Bay, Florida, ⁶University of California, San Francisco, San Francisco, California, ⁷Adult and Children Outcomes Research and Delivery Systems, ⁸Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

Respiration

RES 73 (1930) Comparing the Effects of Laparoscopic and Open Abdominal Surgery on Postoperative Respiratory Complication, Readmission, Hospital Length of Stay and Costs: A Propensity Score-based Analysis

Maira I. Rudolph, Vicki Sein, MD, Sara M. Burns, MS, Megan B. Zhang, BA, Thomas H. Shin, PhD, Matthias Eikermann, MD, PhD

Massachusetts General Hospital, Boston, Massachusetts

Sleep Medicine

SM 16 (1404) Using DVPRS as a Single-Item Screening Tool for Postoperative Sleep Disturbance

Albert Hsu, MD, Christian Calilung, MSc

Walter Reed National Military Medical Center, Bethesda, Maryland

Daily Poster Schedule-at-a-Glance

6:30 am – 7:30 am	Setup of Posters for Moderated Poster Discussion Session-01 and Moderated Poster Discussion Session-02
9:30 am – 11:00 am	Moderated Poster Discussion Session-01
11:15 am – 12:45 pm	Moderated Poster Discussion Session-02
1:00 am – 2:00 pm	Removal of Posters for Moderated Poster Discussion Session-01 and Moderated Poster Discussion Session-02 Setup of Posters for Moderated Poster Discussion Session-03 and Moderated Poster Discussion Session-04
2:00 pm – 3:30 pm	Moderated Poster Discussion Session-03
4:00 pm – 5:30 pm	Moderated Poster Discussion Session-04
5:30 pm – 6:30 pm	Removal of Posters for Moderated Poster Discussion Session-03 and Moderated Poster Discussion Session-04

AIRWAY MANAGEMENT

Moderated Poster Discussion Session-01

9:30 am – 11:00 am

Group 1 Poster Moderator(s):

Matthias Riess, MD, PhD, Vanderbilt University, Nashville, Tennessee

Jeffrey White, MD, MBA, Department of Anesthesiology, University of Florida, Gainesville, Florida

AM 1 (1174) Comparison of Angulation of Two Videolaryngoscope Blades during Tracheal Intubation

Wala Al Alajmi¹, Hanan Shatayat S Al ghanami¹, Hanan Sulayam s Al Hinai¹, Rashid M. Khan¹, Naresh K. Kaul²

¹*Khoul Hospital, Muscat, WY*, ²*Khoul Hospital, Muscat, Oman*

AM 2 (1019) Where Is the Tip of Your Tube? An Observational Study during General Anesthesia

Rachel A. Asghar¹, Andrew B. Lumb², Sarah Potts³

¹*Leeds General Infirmary, Leeds, United Kingdom*,

²*St James' University Hospital, Leeds, United Kingdom*,

³*University of Leeds, Leeds, United Kingdom*

AM 3 (2057) Use Of Continuous Waveform Capnography (PETCO₂) In Out-Of-Operating Room Airway Management (OORAM) Emergencies: An Ethnographic Research Approach to Impact System Based Practice

Matthew Betz¹, **Anne Marie Walters¹**, Laeben Lester¹, Alexi Bennink², Gitika Vijn², Jessica L. Feinleib³, Lynette Mark¹

¹*Johns Hopkins Hospital, Baltimore, Maryland*, ²*Johns Hopkins University, Baltimore, Maryland*, ³*Yale School of Medicine, New Haven, Connecticut*

AM 4 (1706) - Comparison of Simple Stylet versus Lighted Stylet for Tracheal Intubation with Direct Laryngoscope

Jae-sung Lee, Seongjoo Park, Jinhee Kim

Seoul National University Bundang Hospital, Seongnam-si, Gyeonggi-do, Republic of Korea

AM 5 (1003) - Diagnosis of Aortic-Bronchial Fistula: Using Flexible Bronchoscopy through Proseal LMA

Wan Yen Lim, Keen Chong Chau, **Li-Ming Teo**, Patrick Wong

Singapore General Hospital, Singapore, China

AM 6 (1060) - Pharyngeal Oxygen during Laryngoscopy in a Bench Model Using THRIVE and the Oxy-Blade

David Newby, Mark Blunt, Alec Beaney, Peter J. Young

Department of Anaesthesia and Intensive Care, King's Lynn, Norfolk

Saturday, May 6 • Moderated Poster Discussion Sessions

ANESTHETIC PHARMACOLOGY

Moderated Poster Discussion Session-01 9:30 am – 11:00 am

Group 2 Poster Moderator(s):

Sylvia Wilson, MD, Medical University of South Carolina, Charleston, South Carolina

Paul S. Garcia, MD, PhD, Emory University School of Medicine, Atlanta, Georgia

AP 43 (1787) Cannabis And Pediatric Anesthesia – A Comprehensive Review.

Claude Abdallah, Susan Verghese

Children's National Medical Center, Washington, DC

AP 44(1446) Immediate Antagonism of CW1759-50 Neuromuscular Blockade by Glutathione

Farrell E. Cooke, John J. Savarese, Hiroshi Sunaga

Weill Cornell Medical College, New York, New York

AP 45 (1306) PONV with Three 5HT-3 Antagonists in Patients Undergoing Laparoscopic Surgeries

Mahima Gupta

All India Institute of Medical Sciences, New Delhi, Delhi

AP 46 (1712) A Comparative Efficacy Trial of Intravenous vs. Oral Acetaminophen in Sinus Surgery

Ravi Bhoja, Matthew Ryan, Bradley Marple, Kevin Klein, Abu Minhajuddin, David McDonagh

UT Southwestern Medical Center, Dallas, Texas

AP 47 (1586) Comparison of 3 Different Minute Ventilation (MV) Based Techniques of Sevoflurane Induction in Children. ARS General Abstract Submission

Anju Gupta¹, Priyankar Datta², Nishkarsh Gupta³

¹Chacha Nehru Bal Chikitsalya, New Delhi, India, ²All India Institute of Medical Science, New Delhi, India,

³DRBRAIRCH, All India Institute of Medical Sciences, Delhi, India

LB AP 48 (4201) Population Pharmacokinetic Analysis of Propofol in Underweight Patients under General Anesthesia

Chanhye Park¹, Byungmoon Choi, Gyujeong Noh

Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea

BLOOD MANAGEMENT

Moderated Poster Discussion Session-01 9:30 am – 11:00 am

Group 3 Poster Moderator(s):

Marie Csete, MD PhD, Huntington Medical Research Institute, Pasadena, California

Michael Russell, MD, West Virginia University School of Medicine, West Virginia

BLD 61 (1902) The Fate of Vonwillebrand Factor Concentrates During Cardiopulmonary Bypass: A Case Report

Jaime L. Bozentka¹, Abigail E. Meigh², Helena Hao Wu³, Madelyn Kahana², Heidi M. Boules¹

¹Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York, ²Montefiore Medical Center, Bronx, New York, ³Albert Einstein College of Medicine, Bronx, New York

BLD 62 (2197) Hemolysis during Rapid PRBC Infusion Using Pneumatic Pressure versus Syringe Pumping

David J. Brennen¹, Nikolaus Gravenstein¹, Terrie Vasilopoulos¹, Yong G. Peng¹

¹University of Florida, Gainesville, Florida

BLD 63 (1218) Uncrossmatched Whole Blood For Pediatric Civilian Trauma Transfusion

Sabrina Carrie¹, Christine Leeper¹, Mark Yazer¹, Barbara Gaines², Darrell Triulzi¹, Franklyn Cladis²

¹University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, ²Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

BLD 64 (1867) Effect of Perioperative Surgical Home on Blood Loss, Fluid Management and Transfusion Patterns for Adolescent Idiopathic Spine Patients

Jessica Cronin¹, Heather Gordish-Dressman¹, Janish Patel¹, Matthew Oetgen¹, Sophie Pestieau¹, Nicolas Trad¹, Karen Thomson¹

¹Children's National Health System, Washington, DC

Moderated Poster Discussion Sessions • Saturday, May 6

BLD 65 (1336) Correlation of Coagulation Tests with Factor Levels in In-Vitro Coagulopathies

Adam Bromberg¹, Michael Kagan², Michael Cirullo³, Benjamin Cohen⁴, Malka Stohl⁵, Morayma Reyes Gil¹, Sheldon Goldstein¹

¹Montefiore Medical Center/ Albert Einstein College of Medicine, Bronx, New York, ²Coagulation Sciences, Riverdale, New York, ³Rowan Univ. School of Osteopathic Medicine, Stratford, New Jersey, ⁴Sackler School of Medicine, Tel Aviv, Israel, ⁵New York State Psychiatric Institute, New York, New York

BLD 66 (1603) Assessment of A 4-Factor Freeze-Dried Pellet Theranostic Reagent to Raise Factor Levels In-Vitro

Adam Bromberg¹, Michael Kagan², Malka Stohl³, Morayma Reyes Gil¹, Sheldon Goldstein¹

¹Montefiore Medical Center/ Albert Einstein College of Medicine, Bronx, New York, ²Coagulation Sciences, Riverdale, New York, ³New York Psychiatric Institute, New York, New York

CA 28 (1826) Propofol Deteriorates Myocardial Function and Induces Apoptosis of Cardiomyocytes in Rat Ischemic Heart Disease by Inhibiting IL-33 Cardioprotection Activity

I-Yin Hung¹, Kuo Mao Lan¹, Chia-Cheng Chang¹, Wei-Yu Chen², Chung-Hsi Hsing¹

¹Chi Mei Medical Center, Tainan, Taiwan, ²Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

CA 29 (1029) Effect of Interdialytic Weight Gain On Inotropic Score after Cardiopulmonary Bypass for Aortic Valve Replacement in Chronic Hemodialysis Patients: A Retrospective Study

Motoi Inoue, Akiko Kojima, Kan Takahashi, Hirotohi Kitagawa

Shiga University of Medical Science Hospital, Otsu, Japan

PA 24 (1464) A New Pre-Conditioning Approach To Preventing Post-Operative Nausea and Vomiting

Charles A Fleming¹, Andrea Creighton², Nicholas Addleman², Melissa Jenkins²

¹St. Vincent Health and Hospital, Indianapolis, Indiana, ²Indiana University School of Medicine, Indianapolis, Indiana

PA 25 (1836) Comparison of Total Intravenous Anesthesia and Anesthesia and Volatile Induction and Maintenance on Emergence Agitation after Nasal Surgery in Adults: A Randomized Equivalence Controlled Trial

Yeon Ju Kim¹, Jo Jun-Young¹, Seong-soo Choi¹, Kyung-Don Hahm¹

¹Asan Medical Center, Seoul, Republic of Korea

CARDIOVASCULAR ANESTHESIOLOGY AND PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-01 9:30 am – 11:00 am

Group 4 Poster Moderator(s):

Shahzad Shaefi, MBBS, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Markus Hollmann, MD, PhD, University of Amsterdam, Netherlands

CA 26 (1865) A Case Of De Novo Aortic Insufficiency After Left Ventricular Assist Device Implantation: The Angle Of Outflow Graft Anastomosis Should Be Checked.

Shihoko Iwata, Sumire Yokokawa, Keisuke Nakazawa, Emi Takahashi, Minoru Nomura, Makoto Ozaki

¹Tokyo Women's Medical University, Tokyo, Japan

CA 27 (2224) The Influence of Cardiopulmonary Bypass On Platelet Count And Fibrinogen Level And The Relationship With Intraoperative Blood Loss

Shihoko Iwata¹, Keisuke Nakazawa¹, Sumire Yokokawa², Emi Takahashi¹, Minoru Nomura¹, Makoto Ozaki¹

¹Tokyo Women's Medical University, Tokyo, Japan,

²Tokyo Women's Medical University Hospital, Tokyo, Japan

CRITICAL CARE

Moderated Poster Discussion Session-01 9:30 am – 11:00 am

Group 5 Poster Moderator(s):

Ruben Azocar, MD, FCCM, Tufts University School of Medicine, Boston, Massachusetts

CC 18 (1721) Anesthesia Ventilator Minute Ventilation Limits In Models of High And Low Pulmonary Compliance and Resistance

Kathleen E. Kramer, Dale F. Szpisjak

Uniformed Services University, Bethesda, Maryland

Saturday, May 6 • Moderated Poster Discussion Sessions

CC 19 (1528) The Association Between Anti-Pcrv Titers And Protective Effects Against P. Aeruginosa In Pcrv Vaccinated Mice

Saeko Hamaoka, Yoshifumi Naito, Hideya Kato, Atsushi Kainuma, Teiji Sawa

¹Kyoto Prefectural University of Medicine, Kyoto City, Kyoto Prefecture

CC 20 (1557) The Efficacy Of Vasoactive Drugs For The Acute Management Of Pulmonary Hypertension And Right Heart Failure In Adult Intensive Care Patients. A Systematic Review of the Literature.

Johnny Kenh¹, John Finnerty²

¹University of Lancaster, Lancaster, Lancashire, England, ²Pennine Acute Trust, Manchester, Greater Manchester, England

CC 21 (1443) Cortisol Augments IFN- γ Receptor Expression and LPS-Induced Activation of Human Monocytes

Mark P. Yeager¹, Paul M. Guyre², Brian D. Sites¹, Patricia A. Pioli², Jane Collins²

¹Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire, ²Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire

CC 22 (1452) Release of the HMGB1 Scavenger CD163 by Monocytes Has A Prolonged Half-Life and Is Not Endotoxin Tolerant

Mark P. Yeager¹, Patricia A. Pioli², Brian D. Sites¹, Jane Collins², Paul M. Guyre², Athos J. Rassias¹

¹Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire, ²Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire

CC 23 (1899) Cathelicidin Depletion Aggravates Intestinal Epithelial Injury in Murine Sepsis

Tony Gin, Jeffrey Ho, Czarina Leung, Sunny Wong, Gordon Choi, Matthew Chan, William Wu

Chinese University of Hong Kong, Shatin, New Town, Hong Kong

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-01 9:30 am – 11:00 am

Group 6 Poster Moderator(s):

Meg Rosenblatt, MD, Mount Sinai St. Luke's and West Hospitals, New York, New York

Thomas Anthony Anderson, MD, PhD, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

MCC 1 (1921) Ziprasidone Associated Neuroleptic Malignant Syndrome

Jeffrey Bell, Justin Sandall

University of Kansas School of Medicine, Wichita, Kansas

MCC 2 (1778) Hypotensive Transfusion Reaction to Ffp: A Rare but Significant Event During Cardiac Surgery

Francesca Betti¹, Worasak Keeyapaj

Stanford University, Stanford, California

MCC 3 (1823) Ultrasound Assessment of Gastric Volume after Gastric Bypass Surgery

Elird Bojaxhi, Sher-Lu Pai, Ilana Logvinov, Steven Porter, Neil Feinglass, Christopher Robards, Klaus Torp

Mayo Clinic, Jacksonville, Florida

MCC 4 (1304) Challenging Airway and Urgent Tracheostomy in a Child with Mucopolysaccharidosis II

Michelle S. Burnette¹, Claude Abdallah²

¹The George Washington University, Washington, DC,

²Children's National Medical Center, Washington, DC

Group 7 Poster Moderator(s):

Brenda Fahy, MD, MCCM, University of Florida College of Medicine, Gainesville, Florida

Paul Picton, MD, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

MCC 5 (1669) Case of A 56 Year-Old Postop CABG Patient with Hypoxemic Respiratory Failure and Subsequent Improvement with Methylprednisolone

Srinivasan Sathya¹, Cynthia Cely², Ricardo Martinez Ruiz³, Arnaldo Vera-Arroyo¹

¹University of Miami / Jackson Memorial Hospital, Miami, Florida, ²Miami VA Healthcare System, Miami, Florida, ³University of Miami, Palmetto Bay, Florida

Moderated Poster Discussion Sessions • Saturday, May 6

MCC 6 (1101) Persistent Status Epilepticus in A Patient with Autoimmune Limbic Encephalitis

Vasili Chernishof¹, Su-Pen Bobby Chang¹

¹Boston Medical Center, Boston, Massachusetts

MCC 7 (2024) Third Time's the Harm: A Case Report of Malignant Hyperthermia during a Robotic ENT Procedure

Ketan Chopra, Laura Clemens, Patrick Forrest, Romeo Kaddoum

Detroit Medical Center, Detroit, Michigan

MCC 8 (1089) An Unknown Myopathy In A Toddler: Challenges And Considerations

Abigail E. Meigh, Roshan Patel, Jaime Bozentka

Montefiore Medical Center, Bronx, New York

PS 69 (1111) Adherence to Surgical Antimicrobial Prophylaxis and Surgical Site Infections

Kunal Karamchandani, Kyle Barden, Sonia Vaida, Jansie Prozesky

Penn State Hershey Medical Center, Hershey, Pennsylvania

PS 70 (1911) The Kentucky Society of Anesthesiologist Perception of Noise in the Operating Room

Christopher J Mallard¹, Rosalind Ritchie, Amy DiLorenzo, Jennifer Shinn, Paul A Sloan, Edwin A. Bowe

University of Kentucky, Lexington, Kentucky

PEDIATRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-01

9:30 am – 11:00 am

Group 9 Poster Moderator(s):

Ahmed Attaallah, MD, PhD, West Virginia University, Tampa, Florida

Susan Verghese, MD, Children's National Medical Center, Department of Pediatric Anesthesia, Washington, DC

PED 75 (1791) Bilateral Quadratus Lumborum Catheters in A Medically Complex Eight Year Old

Micah Burns, Doyle Lim

Nemours/Al DuPont Hospital for Children, Wilmington, Delaware

PED 76 (1536) Effectiveness of Ultrasound-Guided Transversus Abdominis Plane Block for Pediatric Renal Transplant Patients: A Retrospective Case Series

Alberto Rivera-Cintron, Janish Patel, Heather Gordish, Asha Moudgil, Sophie Pestieau

Children's National Medical Center, Washington, DC

PED 77 (1847) Comparison of Isobaric Levobupivacaine and Levobupivacaine with 1 Mcg/Kg Dexmedetomidine in Caudal Analgesia for Infraumbilical Surgeries

Subrata K Singha

All India Institute of Medical Sciences, Raipur, Chhattisgarh, India

PATIENT SAFETY

Moderated Poster Discussion Session-01

9:30 am – 11:00 am

Group 8 Poster Moderator(s):

David Metro, MD, University of Pittsburgh School of Medicine, Pittsburg, Pennsylvania

Eugene Hessel, MD, University of Kentucky School of Medicine, Lexington, Kentucky

PS 67 (1527) Vandytalks: An Novel Intervention to Teach Anesthesiology Residents How to Address Difficult Situations by Speaking Up

Jesse Ehrenfeld¹, Leslie Fowler², Matthew D McEvoy², Gerald Hickson³, Lynn Webb³

¹Vanderbilt University School of Medicine, Nashville, Tennessee, ²Vanderbilt University Medical Center, Nashville, Tennessee, ³Vanderbilt University, Nashville, Tennessee

PS 68 (1114) Factors Associated With Reintubation within 6 Hours Post-General Anesthesia

Timothy N Harwood, Renee Stallings

Wake Forest University Health Sciences, Winston-Salem, North Carolina

Saturday, May 6 • Moderated Poster Discussion Sessions

PED 78 (1636) Predictors of Anesthetic Duration In Common Pediatric General Surgical Procedures

Anna J Klausner, Xiaoyue Ma, Guohua Li, Caleb Ing

Columbia University Medical Center, New York, New York

PED 79 (1555) The Effects of Isoflurane and Fentanyl on Biomarkers Of Neurological Injury In Neonatal Rats

Tomas Drabek¹, Ian Brotman², Sara Straesser², Kyle S Simqu², Jason P Stezoski², Keri Janesko-Feldman¹, Mioara Manole³

¹*Safar Center for Resuscitation Research, Pittsburgh, Pennsylvania*, ²*University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania*, ³*University of Pittsburgh Department of Pediatrics, Pittsburgh, Pennsylvania*

PED 80 (1969) Clinical Signs and Electroencephalographic Patterns of Emergence from Sevoflurane Anesthesia in Children

Laura Cornelissen¹, Norah Liang², Carolina Donado¹, Johanna Lee¹, Aykut Bilge¹, Charles Berde¹

¹*Boston Children's Hospital & Harvard Medical School, Boston, Massachusetts*, ²*University of California - San Francisco, San Francisco, California*

AP 50 (1548) Goal Directed Propofol Sedation with Magnesium Sulfate versus Dexmedetomidine for ERCP Procedure. A Randomized Controlled Study.

Khalda G Radwan¹, Ahmed S Abd El Azeem¹, Eslam A. Mohamed², **Mohamed M. Hussein**¹, Nabaweya M. Kamal¹, Hend H. Kamel¹, Maher Fawzy²

¹*Theodor Bilharz Research Institute, Giza, Egypt*,

²*Faculty of Medicine, Cairo University, Cairo, Egypt*

AP 51 (2182) Meta-Azi-Medetomidine: A Novel Alpha2 Adrenergic Agonist and Photolabel

Andrew McKinstry-Wu¹, Kellie Woll¹, Brenna P Shortal¹, William Dailey¹, Roderic G Eckenhoof², Max Kelz¹

¹*University of Pennsylvania, Philadelphia, Pennsylvania*,

²*University of Pennsylvania Perelman School of Medicine, Philadelphia, Pennsylvania*

AP 52 (1925) A Phase 1 Dose Optimization Study of Abp-700 with Opiates and/or Midazolam Targeting Induction of General Anesthesia

Sascha Meier¹, Steve Sweeney², Peter Meyer¹, Anthony Absalom¹, Beartrij Valk¹, John Marota³, Michel Struys¹

¹*Department of Anesthesiology, University of Groningen, University Medical Center Groningen, The Netherlands, Groningen, Netherlands*, ²*The Medicines Company, Parsippany, New Jersey, Parsippany, New Jersey*, ³*Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts*

AP 53 (1858) Intravital Observation of Primed and Activated Leukocytes in the Microcirculation of a TRALI (Transfusion-Related Acute Lung Injury) Mouse Model

Hideyuki Ochi¹, Akira Ushiyama², Takehiko Iijima³

¹*Showa University, School of Dentistry, Ota-ku, Tokyo*,

²*National Institute of Public Health, Wako, Saitama*,

³*Showa university School of Dentistry, Ota-ku, Tokyo*

AP 54 (2112) Prediction of Bispectral Index During Target-Controlled Infusion of Propofol and Remifentanyl: A Deep Learning Approach

Yoonsang Park, Hyung-Chul Lee, Chul-Woo Jung

Seoul National University Hospital, Seoul, Republic of Korea

ANESTHETIC PHARMACOLOGY

Moderated Poster Discussion Session-02

11:15 am - 12:45 pm

Group 1 Poster Moderator(s):

Beatrice Beck-Schimmer, MD, University Hospital Zurich, Zurich, Switzerland

Robert Craft, MD, University of Tennessee, Knoxville, Tennessee

AP 49 (2150) Intravenous Lidocaine Used with a Venous Tourniquet is Superior to that of Freely Flowing Intravenous Lidocaine in Preventing Propofol Injection Pain

Timothy N Harwood, Patrick Grace

Wake Forest University Health Sciences, Winston-Salem, North Carolina

Moderated Poster Discussion Sessions • Saturday, May 6

BLOOD MANAGEMENT AND PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-02: 11:15 am - 12:45 pm

Group 2 Poster Moderator(s):

Marie Csete, MD PhD, Huntington Medical Research Institute, Pasadena, California

Jean-Francois Pittet, MD, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama

BLD 7 (1493) Predictors of Clinical Outcomes in ECMO Patients

Steven M Frank¹, Mary Brady², Niamh McCarty¹, William W Yang¹, Mereze Visagie¹, Branden M Engorn¹, Dheeraj Goswami¹

¹Johns Hopkins Hospital, Baltimore, Maryland, ²Johns Hopkins School of Medicine, Baltimore, Maryland

BLD 8 (1292) Importance of Single-Unit Transfusions in A Blood Management Program

Lauren E Klinker¹, William W Yang¹, Rajiv N Thakkar¹, Eric A Gehrie¹, Weiyun Chen², Steven M Frank¹

¹Johns Hopkins Hospital, Baltimore, Maryland, ²Peking Union Medical College Hospital, Beijing, China

BLD 9 (1808) Beta Thalassemia Minor and Blood Conservation Strategies: Is the Use of Intraoperative Cell Salvage Contraindicated? A Case Report

Miriam Schoepf¹, Destiny F Chau²

¹Eastern Virginia Medical School, Children's Hospital of the King's Daughters, Norfolk, Virginia, ²Eastern Virginia Medical School, Norfolk, Virginia

BLD 10 (1580) A Retrospective Analysis of Perioperative Red Blood Cell Utilization and Wastage in Pediatric Craniofacial Surgery

Jacqueline M Volpi-Abadie, Srijaya K Reddy, Nina Deutsch

Children's National, Washington DC

PA 11 (2106) Novel Opiate-Free Anesthesia for Major Urologic Oncology Procedures

Susan A Smith¹, Hussam Ghabra¹, Daniah Dhaifallah¹, Alexander Rahnema³, William M. White¹, William D. Sumrall¹, Bryan Evans¹

¹Ochsner Clinic Foundation, New Orleans, Louisiana, ³University of Queensland, New Orleans, Louisiana,

CARDIOVASCULAR ANESTHESIOLOGY AND OBSTETRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-02 1:15 am - 12:45 pm

Group 3 Poster Moderator(s):

Peter von Homeyer, MD, FASE, University of Washington School of Medicine, Seattle, Washington

Martin Dworschak, MD, Department of Cardiothoracic Anesthesia and Intensive Care, University Hospital Vienna, Austria

CA 30 (1667) Milrinone Infusion Improves One-year Survival after Norwood Sano Procedure.

Tomoyuki Kanazawa, Hiroshi Morimatsu, Tatsuo Iwasaki, Kazuyoshi Shimizu, Kentaro Sugimoto
Okayama University Hospital, Okayama, Japan

CA 31 (1358) Prediction of Blood Loss Following Coronary Surgery with a Neural Network Algorithm

Suryanarayana Pothula, **Keshar P. Kubal**, Rafat Mahmood, Mario A. Inchiosa

New York Medical College, Valhalla, New York

CA 33 (1671) Randomized Comparative Study of the Haemodynamic Effects of Levosimendan and Dobutamine in Patients of Severe Mitral Stenosis Undergoing Mitral Valve Replacement

Indu Verma

SMS Medical College Jaipur Rajasthan-Jaipur, India

CA 34 (1843) High Spinal Anesthesia in Severe Aortic Stenosis: Comparison of Hemodynamics with Opioid Based General Anesthesia- A Prospective Observational Study

Bhupesh Kumar¹, BPS Ghuman¹, Virendra K Arya², Vikas Dutta¹, Sandeep S Rana¹

¹Post Graduate Institute of Medical Education and Research, Chandigarh; India, ²Post Graduate Institute of Medical Education and Research, Chandigarh; India

LB OB 35 (4226) A Stressful Day in OB!

Glorimar Medina-Rivera³, Jennifer L Erian¹, Daniel Shoham², Madhumani Rupasinghe³

¹University of Texas-Houston Department of Anesthesiology, Houston, Texas, ²University of Texas Health Science Center, Houston, Texas, ³UTHealth, Houston, Texas

Saturday, May 6 • Moderated Poster Discussion Sessions

CRITICAL CARE AND PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-02 11:15 am - 12:45 pm

Group 4 Poster Moderator(s):

Jean Gabriel Charchaflied, MD, MPH, DrPH,
Yale School of Medicine, New Haven, Connecticut

Dragos Galusca, MD, Henry Ford Hospital,
Detroit, Michigan

PA 12 (1342) PONV Quality Initiative Associated with Reduced PONV Rescue Therapy in PACU

Shelly Arroyo, Larry R. Hutson, Benjamin B. Vacula
Baylor Scott and White Health, Temple, Texas

CC 13 (1075) Effects of Ketamine or Morphine in Rats with Asphyxial Cardiac Arrest

Vladimir Kuklin¹, Timofey Kondratyev², Maya Konkayeva³, Mikhail Sovershaev⁴, Torkjel Tveita⁵, Aidos Konkaev⁶, Vegard Dahl⁷

¹Akershus University Hospital, LÅ, Renskog, Norway,

²Anaesthesia and Critical Care Research Group, Tromsø, Norway, ³Kazakh State Medical University, Astana, WY, ⁴University Hospital of Northern Norway, Tromsø, Akershus, ⁵Anaesthesia and Critical Care Research Group, Tromsø, Akershus, ⁶Kazakh State Medical University, Astana, Akershus, ⁷Akershus University Hospital, Oslo, Akershus

CC 14 (1539) Use of Dexmedetomidine in the Trauma Intensive Care Unit: Incidence of Failure and Associated Factors

Paul Potnuru⁴, Danielle B Horn¹, Brittany Bissell², Gina Riggi³, Jack Louro¹, Miguel Cobas¹, Roman Dudaryk⁵

¹University of Miami Miller School of Medicine/Jackson Memorial Hospital, Miami, Florida, ²University of Kentucky Medical Center, Lexington, Kentucky, ³Jackson Memorial Hospital, Miami, Florida, ⁴University of Miami Leonard M. Miller School of Medicine, Miami, Florida, ⁵University of Miami, Miami, Florida

CC 15 (1737) Dexmedetomidine Impairs Human Neutrophil Killing of Methicillin Resistant Staphylococcus Aureus (MRSA)

Angela Meier, Angeline Chen, Jack D Bui, Ross Corriden

University of California San Diego, San Diego, CA

CC 16 (2085) Role of Aminophylline in Transitioning Long Term Ventilator Dependent Patients Out of the Intensive Care Unit

Kaushal Kumar

All India Institute of Medical Sciences, New Delhi, India

CC 17 (1162) Minute Ventilation as an Unmeasured Confounder in EtCO₂-guided Resuscitation

Maria Leinonen, Nicholas Gravenstein, Chris Giordano
University of Florida, Gainesville, Florida

ECONOMICS, EDUCATION AND POLICY AND GLOBAL HEALTH

Moderated Poster Discussion Session-02 11:15 am - 12:45 pm

Group 5 Poster Moderator(s):

Ken Johnson, MD, MS, University of Utah Hospitals and Clinics, Salt Lake City, Utah

Tetsuro Sakai, MD, PhD, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

EEP 55 (1466) Effect of Insurance Status on Surgical Outcomes after Colectomies

Casey M. Chai, Robert S. White, Dahniel Sastow, Licia Gaber-Baylis, Kane O. Pryor, Peter M. Fleischut, Zachary A. Turnbull

NewYork-Presbyterian Hospital, Weill Cornell Medical College, New York, New York

EEP 56 (1773) The Impact of a Multidisciplinary EEG Educational Initiative

Brenda Fahy¹, Terrie Vasilopoulos², Meriem Bensalem-Owen³, Destiny F Chau⁴

¹University of Florida College of Medicine, Gainesville, Florida, ²University of Florida, Gainesville, Florida, ³University of Kentucky, Lexington, Kentucky, ⁴Eastern Virginia Medical School, Norfolk, Virginia

EEP 57 (2103) Publication Bias – An Unrecognized Cause of Publication Delays in Anesthesiology

David Jones², Singh Nair¹, Annelisa Tucker¹, Celina Joco¹, Sujay Joseph¹, Josh Jacob¹, Ellise Delphin²

¹Montefiore Medical Center, Bronx, New York, ²Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York

Moderated Poster Discussion Sessions • Saturday, May 6

EEP 58 (1884) Pharmacy Prepared Emergency Medication for Cardiac Anesthesia by a Quality Improvement and Cost Study

Victor M Neira¹, Vivian Wang¹, Derek Wong¹, Heather Neville², Sean Mackinnon¹, Matthias Scheffler¹, Blaine Kent¹

¹Dalhousie University, Halifax, Nova Scotia, Canada, ²QE II Health Sciences Centre, Halifax, Nova Scotia, Canada

EEP 59 (1091) Evaluating the 30-day Surgical Mortality Metric's Integrity with a National Sample

Yuxuan (Tony) Qiu, Jesse Ehrenfeld, Jonathan Wanderer

Vanderbilt University School of Medicine, Nashville, Tennessee

GH 60 (2154) Anesthesiology in Ghana: A 10-year Perspective

Dulce Boucher, Mark Harris, Scott Junkins, Jeffrey Peters

University of Utah, Salt Lake City, Utah

NR 37 (1794) Gaba Neurons in the Rostromedial Tegmental Nucleus Modulate Arousal and Anesthetic Sensitivity in Mice

Ksenia Y. Vlasov², JunZhu Pei², Norman E. Taylor¹, Christa J. Van Dort¹, Jennifer A. Guidera¹, Emery N. Brown¹, Ken Solt¹

¹Massachusetts General Hospital, Boston, Massachusetts, ²Massachusetts Institute of Technology, Cambridge, Massachusetts

NR 38 (2172) Assessing Postoperative Cognitive Changes after Major Joint Arthroplasty: a Feasibility Study

Stephen Choi, Beverley A. Orser, Sinziana Avramescu
Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

NR 39 (1236) MicroRNA-200b Modulates Reactive Oxygen Species (ROS) Injury in Neuronal Cell

Josh D. Bell¹, Creed M. Stary², Rona G. Giffard²

¹University of Toronto, Toronto, Ontario, Canada, ²Stanford University, Stanford, California

NR 40 (2180) Post-Craniotomy Pain and its Treatment After Neurovascular Surgery

Roger Lee, Lisa Hannegan, Jeffrey Nelson, Michael Lawton, Adrian Gelb, Chanhung Lee

University of California, San Francisco, San Francisco, California

NR 41 (1992) Characterizing the Relationship between Systemic Inflammatory Response Syndrome and Early Cardiac Dysfunction in Traumatic Brain Injury

Nophanan Chaikittisilpa, Vijay Krishnamoorthy, Abhijit V. Lele, Monica Vavilala

University of Washington, Seattle, Washington

RA 42 (1355) Thoracic Epidural Placement in a Patient With Von Hippel-Lindau Disease Presenting For Abdominal Surgery

Amanda Yap¹, Yatish Ranganath²

¹University of Iowa Hospitals and Clinics, Iowa City, Iowa, ²University of Iowa Hospitals and Clinics, Iowa City, Iowa

GERIATRIC ANESTHESIA AND NEUROSCIENCE IN ANESTHESIOLOGY, PERIOPERATIVE MEDICINE AND REGIONAL ANESTHESIA

Moderated Poster Discussion Session-02 11:15 am - 12:45 pm

Group 6 Poster Moderator(s):

Gregory Crosby, MD, Brigham Women's Hospital, Salt Lake City, Utah

Kristin Engelhard, MD, PhD, Johannes Gutenberg-University Mainz, Mainz, Germany

GA 36 (1526) Cerebral Vascular Thrombospondin-1 Associates with the Epsilon 4 Allele of Apolipoprotein E in Alzheimer's Disease

Jessica Cassavaugh¹, Caitlin Czajka², Grace Lee², Caterina Rosano³, Julia Kofler¹, Eric McDade⁴, Jeffery Isenberg²

¹University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, ²Heart, Lung, Blood and Vascular Medicine Institute, Pittsburgh, Pennsylvania, ³Graduate School of Public Health, Pittsburgh, Pennsylvania, ⁴Washington University School of Medicine, St. Louis, Missouri

Saturday, May 6 • Moderated Poster Discussion Sessions

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-02

11:15 am - 12:45 pm

Group 7 Poster Moderator(s):

Meg Rosenblatt, MD, Mount Sinai St. Luke's and West Hospitals, New York, New York

Ruben Azocar, MD, FCCM, Tufts University School of Medicine, Boston, Massachusetts

MCC 1 (2227) Inhalational Injury Complicated by Empyema in a Burn Patient

Peggy White¹, Amanda Frantz¹, Brenda Fahy²

¹University of Florida, Gainesville, Florida, ²University of Florida College of Medicine, Gainesville, Florida

MCC 2 (1474) Anesthetic Management of Combined Renal Liver Transplant in a Pediatric Patient with Primary Hyperoxaluria

Zachary Wichner, Benjamin Kloesel

University of Minnesota, Minneapolis, Minnesota

MCC 3 (1924) Deep Serratus Plane Catheter for Management of Acute Post-Thoracotomy Pain Following Descending Aortic Aneurysm Repair in a Morbidly Obese Patient

Sylvia H Wilson, Renuka George, Maria Yared

Medical University of South Carolina, Charleston, South Carolina

MCC 4 (1959) Acute Coronary Artery Thrombus Following Tranexamic Acid Administration During Total Shoulder Arthroplasty in a Patient with Coronary Stents

Sylvia H Wilson, Kathryn Bridges

Medical University of South Carolina, Charleston, South Carolina

Group 8 Poster Moderator(s):

Vikas Kumar, MBBS, Augusta University Medical College of Georgia, Augusta, Georgia

Ibtesam Hilmi, MB CHB, FRCA, UPMC-Presbyterian Hospital, Pittsburgh, Pennsylvania

MCC 5 (1971) Use of VA ECMO for Cardiopulmonary Failure in Overwhelming Pneumococcal Sepsis, DIC, and Purpura Fulminans.

Erica D Wittwer, Misty Radosevich, David Barbara, Troy Seelhammer

Mayo Clinic, Rochester, Minnesota

MCC 6 (2215) Maternal Sepsis and Acute Heart Failure: A Case Report

Nan Xiang, Babar Fiza

University of Michigan, Ann Arbor, Michigan

MCC 7 (1094) Amniotic Fluid Embolism Complicating the Labor of a Healthy Parturient

Jan-Pablo Kollmar, Isaac Shields, Jessica Sheeran, Julie L. Huffmyer

University of Virginia, Charlottesville, Virginia

MCC 8 (1244) General Anesthesia of Teratoma Excision with Anti-NMDAR Encephalitis: 2 Case Reports

Hiroaki Yasumoto, Masami Sato, Toshiyuki Arai

Kyoto City Hospital, Kyoto, Japan

AIRWAY MANAGEMENT

Moderated Poster Discussion Session-03

2:00 pm - 3:30 pm

Group 1 Poster Moderator(s):

Letha Matthews, MBBS, Vanderbilt University Medical Center, Nashville, Tennessee

Claude Abdallah, MD, MSc, Children's National Medical Center, Washington, DC

AM 1 (1042) Does Lidocaine Cream on the Endotracheal Tube Prevent Microaspiration?

Sara C. Smith, John Brock-Utne, Richard Jaffee

Stanford Hospital, Stanford, California

AM 2 (1201) Minimal Cuff Pressure for Proseal Laryngeal Mask Airway

Kenichi Takechi¹, Toshihiro Yorozyua²

¹Ehime Prefectural Imabari Hospital, Imabari, Ehime, Japan, ²Ehime University Graduate School of Medicine, Toon, Ehime, Japan

AM 3 (1303) Continuous Nasal Oxygenation in a Patient with Cervical Spinal Stenosis During FOI

Christopher Isley, Rong Zhao, Esther Ogunyemi, John Denny, **James Tse**

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

Moderated Poster Discussion Sessions • Saturday, May 6

AM 4 (1934) First Human Study Evaluating a Novel Tool to Confirm Correct Endotracheal Tube Position – The NEMO Gauge

Erin Sreshta, Alexis McQuitty, Roger Seeton

University of Texas Medical Branch, Galveston, Texas

AM 5 (1369) Interincisor Distance Predicting Difficulty Airway in Men and Women

Bin Wang, Weidong Yao, Hui Peng, Ling Guo, Xiaojin Jin

Wannan Medical College First Affiliated Hospital, Yijishan Hospital, Wuhu, Anhui, China

AM 6 (1346) The Accuracy of Thyromental Distance Measurement by Surface Landmark Identification

Weidong Yao, Bin Wang, Hui Peng, Ling Guo, Xiaojin Jin

Wannan Medical College First Affiliated Hospital, Yijishan Hospital, Wuhu, Anhui, China

CA 9 (1289) Age-Associated Differences In the Inhibition of Mitochondrial Permeability Transition Pore Opening in the Rat by Simvastatin

lixin Liu¹, Jiang Zhu², Tristan Liu³, Mario J Rebecchi³

¹Stony Brook University, School of Medicine, Stony Brook, New York, ²Stony Brook Medical Center, Stony Brook, New York, ³Stony Brook Hospital Center, Stony Brook, New York

CA 10 (2071) Heparinized Fibrinogen Level Versus Post-Protamine Reversal Fibrinogen Level While on Cardiopulmonary Bypass: Is There a Difference?

Brian E. Blick, Patrick McCoy

University of Kansas School of Medicine, Wichita, Kansas

CA 11 (1947) ECMO: What Is Affecting Survival?

Galina Leyvi¹, Joseph Schwartz², Mudit Kaushal², Dustin Cooperman², William Jakobleff²

¹Albert Einstein College of Medicine, Bronx, New York, ²Montefiore Medical Center, Bronx, New York

CARDIOVASCULAR ANESTHESIOLOGY

Moderated Poster Discussion Session-03:

2:00 pm - 3:30 pm

Group 2 Poster Moderator(s):

Martin Dworschak, MD, Department of Cardiothoracic Anesthesia and Intensive Care, University Hospital Vienna, Austria

Roman Sniecinski, MD, Emory University School of Medicine, Atlanta, Georgia

CA 7 (1986) Serum Albumin Levels Immediately After Lung Transplantation and One-Year Mortality

Johannes Menger, Stefan Koch, Peter Jaksch, Martin Dworschak

Medical University of Vienna, Vienna, Austria

CA 8 (1674) A Prospective Randomized Study of the Post-Operative Outcomes of Thoracic Epidural Analgesia in Patients Undergoing Coronary Artery Bypass Graft Surgery

Reema Meena

SMS Medical College Jaipur, Jaipur, India

CRITICAL CARE

Moderated Poster Discussion Session-03

2:00 pm - 3:30 pm

Group 3 Poster Moderator(s):

Stefan Schaller, MD, Klinikum Rechts der Isar der TUM, Munich, Germany

Jean-Francois Pittet, MD, University of Alabama at Birmingham School of Medicine, Birmingham, Alabama

CC 18 (1296) New Strategies are Necessary to Reduce Catheter Related Bloodstream Infections in Patients in the Intensive Care Unit of a University Hospital

Tomoko Yorozu, Kiyoshi Moriyama, Akira Motoyasu, Hiromu Okano

Kyorin University, School of Medicine, Mitaka City, Tokyo, Japan

CC 19 (2141) A Novel Artificial Neural Network Antibiotic Decision Support System

Scott M Pappada¹, John J Feeney², Jose Salinas³, Thomas J. Papadimos¹

¹The University of Toledo College of Medicine and Life Sciences, Toledo, OH, ²Aptima, Inc., Dayton, Ohio, ³US Army Institute of Surgical Research, San Antonio, Texas

Saturday, May 6 • Moderated Poster Discussion Sessions

CC 20 (1381) High Flow Nasal Cannula As A Terminal Treatment In Patients With Respiratory Failure

Hiromu Okano, Kiyoshi Moriyama, Tomoko Yorozu

Kyorin University, School of Medicine, Mitaka City, Tokyo, Japan

CC 21 (2051) Presence Of Heparin: Platelet Factor 4 Autoantibodies is Associated with Hypercoagulability

Aaron Mittel¹, Gebhard Wagener²

¹Columbia University Medical Center, New York, New York, ²Columbia University, New York, New York

CC 22 (2119) The P38/Mapk/Mk2 Dna Damage Pathway Regulates Production of Pro-Inflammatory Cytokines by Endothelial Cells in Response to Hypoxia Both In Vitro and in a Murine Knockout Model

Meredith Miller¹, Lucia Suarez-Lopez², Christopher D. Barrett², Yi Wen Kong², Sandra Morandell², Michael B. Yaffe²

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, ²Massachusetts Institute of Technology, Cambridge, Massachusetts

CC 23 (1233) Blinding, Randomization, and Power in Critical Care Medicine Animal Studies

Justin Merkow, Janine Hoerauf, Angela Moss, Ana Fernandez-Bustamante, Jason Brainard, Karsten Bartels

University of Colorado School of Medicine, Aurora, Colorado

MCC 2 (2195) Anesthetic Management of an Out-Of-State Pediatric Jehovah's Witness Patient with Fontan Physiology Presenting for Craniotomy After MCA Aneurysm Rupture

Natalie Dean, Darlene L. Mashman

Emory University School of Medicine, Atlanta, California

MCC 3 (1799) Insidious MH: Is This the New Presentation?

Nicole Ginsberg, Maria C. Walline, Anjalee Dave, Matthew Gomillion

NewYork-Presbyterian Hospital Weill Cornell Medical Center, New York, New York

MCC 4 (2264) Case Report: Severe Anaphylaxis After Reversal with Sugammadex of Rocuronium-Induced Neuromuscular Blockade

Aneel Deshmukh¹, Raymond Sessions²

¹University of Florida, Gainesville, Florida, ²University of Florida College of Medicine, Gainesville, Florida

MCC 5 (1777) Intraoperative Vascular Access for Liver Transplantation in a Patient with SVC Thrombosis

Peter Downey¹, Ryan Chadha², Julia Sobol¹

¹Columbia University/New York-Presbyterian Hospital, New York, New York, ²Mayo Clinic, Jacksonville, Florida

Group 5 Poster Moderator(s):

Samrat Worah, MD, SUNY Downstate Medical Center, Brooklyn, New York

Taylor Johnston, MD, Columbia University Medical Center, New York, New York

MCC 6 (2151) Posterior Fossa Craniotomy in a Patient with Severe Pulmonary Hypertension

Sarada Eleswarpu, David Gruner, Jeremy Bennett, Nathan Ashby

Vanderbilt University Medical Center, Nashville, Tennessee

MCC 7 (2197) Treating Respiratory Compromise in the SICU with the Supernova, Following Emergency Anterior Cervical Spine Surgery: A Case Report

Irene Osborn¹, Haitham Ibrahim², Steven Cataldo²

¹Montefiore Medical Center, Bronx, New York, ²Revolutionary Medical Devices, New York, New York

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-03:

2:00 pm - 3:30 pm

Group 4 Poster Moderator(s):

Thomas Anthony Anderson, MD, PhD, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

MCC 1 (1281) Portopulmonary Hypertension and Atrial Fibrillation in Liver Transplantation

Heidi Davis, Dragos Galusca, Masakatsu Nanamori, Yoshihisa Morita

Henry Ford Hospital, Detroit, Michigan

Moderated Poster Discussion Sessions • Saturday, May 6

MCC 8 (1235) Sinus of Valsalva Aneurysm with Isolated Right Ventricular Outflow Tract Obstruction

Jacob Evers, Isaac Wu

¹Columbia University, New York, New York

MCC 9 (1125) Use of TEG in Parturient with Gaucher's Disease and Thrombocytopenia

Borzoo Farhang, William G Tharp

University of Vermont Medical Center, Burlington, Vermont

MCC 10 (1117) Emergent C-Section in a Parturient with Tetraplegia and Massive Pulmonary Embolism

Geoffrey Fisher, Christa Riley, Fatoumata Kromah

VCU Health System, Richmond, Virginia

MCC 11 (1412) Nasal Oxygenation in a Child with CHARGE Syndrome/OSA/Difficult Airway during ETI

Sajjad Ibrar, Usman Shah, Kelvin Kwong, James Tse

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

NR 36 (1875) Developmental Abnormalities in Sprague-Dawley Rats, Initiated by a Relatively Short Exposure to Etomidate Anesthesia, Can be Exacerbated by Post-Exposure Stressful Environmental Factors

Anatoly Martynyuk¹, Ling-Sha Ju¹, Jiao-jiao Yang¹, Nikolaus Gravenstein¹, Christoph Seubert¹, Timothy Morey¹, Jian-Jun Yang²

¹University of Florida, Gainesville, Florida, ²Southeast University, Jiangsu, China

NR 37 (1693) Weak EEG Alpha Power During General Anesthesia as a Marker of Delirium in the PACU

Matthias Kreuzer¹, September Hesse¹, Darren F. Hight², Jamie Sleight², Paul S. Garcia¹

¹Emory University/Atlanta VAMC, Decatur, Georgia, ²Waikato Hospital, Hamilton, Arkansas

NR 39 (1938) Reconstructing Consciousness and Cognition: Human Neurobehavioral Recovery Following Exposure to Isoflurane

Max Kelz¹, George Mashour², Michael S. Avidan³, Andrew McKinstry-Wu¹, Ben Palanca³, Stephanie Blain-Moraes⁴, Mathias Basner¹

¹University of Pennsylvania, Philadelphia, Pennsylvania, ²University of Michigan, Ann Arbor, Michigan, ³Washington University School of Medicine, St. Louis, Missouri, ⁴McGill, Montreal, Quebec, Canada

EEP 38 (1198) Awake vs. Asleep Craniotomies: A Cost Comparison

Robert Ackerman², Christopher Tufts², Sephalie Patel¹, Devang Padalia¹, Arnold B. Etame¹, Rosemarie Garcia Getting¹

¹H. Lee Moffitt Cancer Center, Tampa, Florida, ²University of South Florida, Morsani College of Medicine, Tampa, Florida

NEUROSCIENCE IN ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Moderated Poster Discussion Session-03 2:00 pm - 3:30 pm

Group 6 Poster Moderator(s):

Robert Craft, MD, University of Tennessee, Department of Anesthesiology, Knoxville, Tennessee

Makoto Ozaki, MD, PhD, Tokyo Women's Medical University, Shinjuku, Tokyo, Japan

NR 34 (2069) Neurobehavioral Impairments Induced By Subarachnoid Hemorrhage in Mice

Kyle J Haselton, Danop Nanegrungsunk, Michael E. Ragozzino, Chanannait Paisansathan

University Of Illinois Chicago, Chicago, Illinois

NR 35 (2187) Elucidating the Role of Interleukin-6 in the Development of Postoperative Cognitive Decline in a Mouse Model

Mervyn Maze, JUN HU¹, Xiaomei Feng, Yosuke Uchida, David Lutrin

University of California San Francisco, San Francisco, California

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-03 2:00 pm - 3:30 pm

Group 7 Poster Moderator(s):

Jean Gabriel Charchafli, MD, MPH, DrPH, Yale School of Medicine, New Haven, Connecticut

Dragos Galusca, MD, Henry Ford Hospital, Detroit, Michigan

Saturday, May 6 • Moderated Poster Discussion Sessions

PA 50 (1605) Perioperative Decline in High Density Lipoprotein Particles is Associated with Increased Risk of AKI after Cardiac Surgery

Loren Smith¹, Derek K. Smith¹, Alan T. Remaley², MacRae F. Linton¹, Frederic T. Billings¹

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²National Institutes of Health, Bethesda, Maryland

PA 51 (1472) Association of Intraoperative Hypotension and Vasopressor Use with Complications of Free Tissue Transfer Surgery

Paul Potnuru, Charles Karcutskie, Christian Diez, Roman Dudaryk

University of Miami – Miller School of Medicine, Miami, Florida

PA 52 (1300) Should We Give Continuous Epidural Local Anesthetic During Pancreatic Surgery?

Annette Rebel, Brooke Bauer, Christopher J. Mallard, Brad Withers, Sean Dineen, Paul A. Sloan

University of Kentucky, Lexington, Kentucky

PA 53 (2055) Enhanced Recovery after Surgery (ERAS) – An Assessment Six Months after Discharge

Lee-Lynn Chen, Thomas J. Deiss, Ankit Sarin, Ramana Naidu

University of California, San Francisco, San Francisco, California

PA 54 (2251) The Impact of Preoperative-Blockade for Pheochromocytoma Removal on Perioperative Blood Pressure and Heart Rate

Farhad Zahedi, Ingrid Moreno-Duarte, Iwona Bonney, Roman Schumann

Tufts Medical Center, Boston, Massachusetts

PA 55 (1397) Anesthetic and Perianesthetic Mortality in A Southeastern United States Population

Richard J. Pollard¹, C. Tyler Smith², Thomas J. Hopkins³, Beatrice Keyzer-Pollard⁴, Ruchika B. Raju⁴, William Buhrman¹

¹MEDNAX National Medical Group, Charlotte, North Carolina, ²University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, North Carolina, ³Duke University School of Medicine, Durham, NC, ⁴Babson College, Babson Park, Massachusetts

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-03 2:00 pm - 3:30 pm

Group 8 Poster Moderator(s):

Eugene Hessel, MD, University of Kentucky School of Medicine, Lexington, Kentucky

Brenda Fahy, MD, MCCM, University of Florida College of Medicine, Gainesville, Florida

TCSEM 61 (1145) Real-Time IV Fluid Flow Rate Determined by Heater Power in a Fluid Warmer

Christopher Varga, Nicholas Gravenstein, Atish Patel
University of Florida, Gainesville, Florida

TCSEM 62 (1424) A Low Cost, Customisable and Stand-Alone Anaesthesia Information Management System (AIMS)

Deepak K. Sreevastava

Command Hospital (Southern Command), Pune, India, Maharashtra

TCSEM 63 (1662) Anesthesiologists' Perceptions of the Maintenance of Certification in Anesthesiology Program® (MOCA®) Part IV Simulation Training

Jan Hirsch, Neil Mehta, Rebekah Damazo, Earl Jordan Blanche, Sara M. Aljohani, Richard L. Fidler, Adam Collins

University of California, San Francisco, San Francisco, California

TCSEM 64 (1622) Google Board: Crucial Information Anywhere, Anytime, Any Devices!

Songyos Valairucha

Children's National Health System, Washington, DC

TCSEM 65 (1373) Developing Novel Pediatric Airway Models: 3-D Printing, Casting and Hybrid Modelling

Andrew D. Weatherall¹, Matt D. Rogerson², Minal J. Menezes¹, Professor Paul G. McMenamin², Michael G. Cooper³, Justin W. Adams²

¹The Children's Hospital at Westmead, University of Sydney Discipline of Child and Adolescent Health, Sydney, New South Wales, ²Centre for Human Anatomy and Education, Monash University, Melbourne, Victoria, Australia ³The Children's Hospital at Westmead, Sydney, New South Wales

Moderated Poster Discussion Sessions • Saturday, May 6

CRITICAL CARE

Moderated Poster Discussion Session-04

4:00 pm - 5:30 pm

Group 1 Poster Moderator(s):

Brenda Fahy, MD, MCCM, University of Florida
College of Medicine, Gainesville, Florida

Will Mulvoy, MD, BS, Baylor College of Medicine,
Houston, Texas

CC 12 (1326) Comprehension of Critical Care Issues by Proxies of Patients Undergoing Major Surgery

Stephen Cassidy, Gebhard Wagener

Columbia University, New York, New York

CC 13 (1515) Short-Term Sedation with Sevoflurane in Post-Surgical ICU Patients: The New MIRUS™ System

Gianluca Villa, Cosimo Chelazzi, Giovanni Zagli, Fulvio
Pinelli, A. Raffaele De Gaudio, Stefano Romagnoli

Oncologic Anesthesia and Critical Care, Florence, Italy

CC 14 (1766) Initiating an Evidence Based Extubation Protocol Reduced the Incidence of Unintended Postoperative Intubations (UPIs)

Neilson V. Tran, Phillip Boysen, Stuart Hart

Ochsner Clinic Foundation, New Orleans, LA

CC 15 (2158) Two Cases of Management of Cardiac Assist Devices in Critically Ill Patients Using Point of Care Transthoracic Echocardiography

Michael Tang, Michael Maile, Babar Fiza

University of Michigan, Ann Arbor, Michigan

CC 16 (1185) Low Molecular Weight Hyaluronan Mediates Acid Aspiration Induced Acute Lung Injury in Mice

Weifeng Song¹, Zhihong Yu¹, Mingyuan Jian¹, Saurabh
Aggarwal¹, Judy Creighton¹, Stavros Garantziotis²,
Sadis Matalon¹

¹University of Alabama at Birmingham, Birmingham,
Alabama, ²Laboratory of Respiratory Biology, National
Institute of Environmental Health Sciences, Research
Triangle Park, North Carolina

CC 17 (1863) Immunohistochemical Changes in a Rat Model of Critical Illness Using GTS-21

Stefan J. Schaller¹, Martin Schneider², Heidrun Lewald¹,
Gerhard Schneider¹, Manfred Blobner¹, J.A. J. Martyn³

¹Klinikum rechts der Isar der TUM, Munich,
Germany, ²Technical University of Munich, Munich,
Germany, ³Massachusetts General Hospital, Boston,
Massachusetts

ECONOMICS, EDUCATION AND POLICY

Moderated Poster Discussion Session-04

4:00 pm - 5:30 pm

Group 2 Poster Moderator(s):

Tetsuro Sakai, MD, PhD, University of Pittsburgh
Medical Center, Pittsburgh, Pennsylvania

Ken Johnson, MD, MS, University of Utah Hospitals
and Clinics, Salt Lake City, Utah

EEP 24 (1789) The Impact of Retrieval Practice on Learning Transthoracic Echocardiography

Amanda Kleiman, Jennifer F. Potter, Allison J. Bechtel,
Katherine Forkin, Stephen R. Collins, Edward C.
Nemergut, Julie L. Huffmyer

University of Virginia, Charlottesville, Virginia

EEP 25 (1382) Benchmarked Vs. Ranked Feedback on Intraoperative Temperature Management: An RCT

Daniel I. McIsaac³, Gregory Bryson¹, Monica Taljaard²,
Sylvain Boet¹, Karim Mohammed¹, Jeremy Grimshaw¹

¹The Ottawa Hospital, Ottawa, Ontario, Canada,
²The Ottawa Research Institute, Ottawa, Ontario,
Canada, ³Perioperative Health Systems and Outcomes
Research, Ottawa, Ontario, Canada, ⁴Dalhousie
University, Halifax, Nova Scotia, Canada

EEP 26 (1990) Ambulatory Surgery Center: Reducing Costs and Maintaining Outcomes

Glorimar Medina-Rivera¹, Ryan Johnson², Daniel
Nguyen³, Scott Perry²

¹McGovern Medical School, Houston, Texas, ²McGovern
School of Medicine, Houston, Texas, ³HarrisHealth,
Houston, Texas

EEP 27 (1377) Preoperative Anesthesia Interview Leads to an Increase Hospital Satisfaction Scores

Amany Gorgy, Betsy Boatman, Ronald Lessen

Northwell Health, New Hyde Park, New York

Saturday, May 6 • Moderated Poster Discussion Sessions

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-04 4:00 pm - 5:30 pm

Group 3 Poster Moderator(s):

Taylor Johnston, MD, Columbia University Medical Center, New York, New York

Paul Picton, MD, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

MCC 1 (1637) Management of Cerebrospinal Fluid Leak after Implantation of Dorsal Root Ganglion Stimulator

Kathryn J. Flavin¹, Zahidul Huq¹, Dennis Patin²

¹Jackson Memorial Hospital, Miami, Florida, ²University of Miami, Miami, Florida

MCC 2 (1017) A Case Report: Anaesthetic Considerations for Transoral Thyroidectomy

Yi Lin Lee, Yoong Chuan Tay

Singapore General Hospital, Republic of Singapore

MCC 3 (2147) Anticoagulation, Obstructive Sleep Apnea (OSA) And Airway Management: Case Reports on Patients with OSA Undergoing A-V Fistula Formation or Revision Under Deep Sedation

Lorraine Foley

Winchester Hospital, Boston, Massachusetts

MCC 4 (1690) Case Report: Fatal Pulmonary Embolism Following 4-Factor Prothrombin Complex Concentrate Administration

Matthew L. Haldeman, Joshua R. Levenson, Adam George

Walter Reed National Military Medical Center, Bethesda, Maryland

MCC 5 (2169) Delayed Monoplegia After Transforaminal Epidural Steroid Injection in a Patient with Undiagnosed Spinal Dural Arteriovenous Fistula

Ramon Go¹, Jeffrey Ngeow²

¹New York Presbyterian Hospital Cornell, New York, New York, ²Hospital for Special Surgery, New York, New York

Group 4 Poster Moderator(s):

Susan Verghese, MD, Children's National Medical Center, Department of Pediatric Anesthesia, Washington, DC

Jeffrey White, MD, MBA, University of Florida, Gainesville, Florida

MCC 6 (1383) Massive Transfusion Protocol and Cardiopulmonary Bypass in Trauma Patients: Competing Agendas

David Gruner, Adam King, Kara Siegrist

Vanderbilt University Medical Center, Nashville, Tennessee

MCC 7 (1420) First Literature Report of Ketamine Infusion for Treatment of Refractory Postherpetic Neuralgia

Ayesha Hameed¹, Judith Aronsohn¹, Jaspreet Toor²

¹Northwell Health System, New Hyde Park, New York, ²Hofstra Northwell School of Medicine, New Hyde Park, New York

MCC 8 (2240) Ultrasound Guided Single Injection Quadratus Lumborum Block for Postoperative Pain Control in Patients Undergoing Total Hip Arthroplasty

Ayesha Hameed¹, Ezra Kassin¹, Lucas Bejar¹, Oonagh Dowling²

¹Northwell Health System, New Hyde Park, New York, ²Hofstra Northwell School of Medicine, New Hyde Park, New York

MCC 9 (1319) Anesthetic Experience of Pediatric Living Donor Liver Transplantation with Hepatopulm

Kazumasa Hiroi¹, Takashi Matsusaki², Mizuho Kaneda¹, Tomoyuki Kanazawa³, Ryuji Kaku², Hiroshi Morimatsu²

¹Okayama Medical University Hospital, Okayama, Japan, ²Okayama University Hospital, Okayama, Okayama, Japan, ³Okayama University Hospital, Okayama, Okayama, Japan

MCC 10 (1432) Unexpected Surgical Bleeding In Klippel Tranaunay Weber Syndrome: A Case Report

Emi Takahashi, Keisuke Nakazawa, Shihoko Iwata, Makoto Ozaki, Minoru Nomura

Tokyo Women's Medical University, Tokyo, Tokyo, Japan

NEUROSCIENCE IN ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Moderated Poster Discussion Session-04 4:00 pm - 5:30 pm

Group 5 Poster Moderator(s):

John Sear, PhD, MA, BSc, MBBS, PhD, FFARCS, FANZCA, University of Oxford, Oxford, United Kingdom

Gregory J. Crosby, MD, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts

Moderated Poster Discussion Sessions • Saturday, May 6

NR 28 (1929) Role of Autophagy Dysfunction on Propofol-Mediated Cell Proliferation or Death

Yong Wang¹, Zhendong Xu¹, Ge Liang¹, Zhiqiang Liu², Wuhua Ma³, Christopher Ward⁴, Huafeng Wei¹

¹University of Pennsylvania, Philadelphia, Pennsylvania,

²Tongji University School of Medicine, Shanghai,

China, ³Guangzhou University of Chinese Medicine, Guangzhou, China, ⁴Children Hospital of Philadelphia, Philadelphia, Pennsylvania

NR 29 (1889) A Novel Method for Intra-Operative Assessment of Dynamic Cerebral Autoregulation with Spectral Analysis

Nicolaas H. Sperna Weiland, Jeroen Hermanides, Markus W. Hollmann, Benedikt Preckel, Johannes J. Van Lieshout, Wim J. Stok, Rogier V. Immink

Academic Medical Center AMC Amsterdam, Amsterdam, Noord-Holland

NR 30 (1476) Volatile Anesthetics Inhibit Neuronal Regeneration in C. Elegans

Vinod K. Singaram, Zilu Wu, Meghna Mehta, Jan Schilling, Andrew Chisholm, Hemal Patel

University of California, San Diego, San Diego, California

NR 31 (1885) The Effect of High Oxygen Concentration on the Expression of Pro-BDNF-BDNF, H₂O₂ and Apoptotic Cell Death in Hippocampal Neuron of the Aged and the Young Rats

Philia Setiawan¹, Eddy Rahardjo, Harjanto J M, Aulanni' Am, Subijanto M. Sudarmo

University of Airlangga, Surabaya, East Java, Indonesia,

NR 32 (1905) Incidence and Impact of Cardiac Dysfunction in Isolated Traumatic Brain Injury Patients Requiring Surgical Intervention

G. S. Umamaheswara Rao, Muthuchellappan Radhakrishnan, S. Bharath

National Institute of Mental Health and Neurosciences, Bangalore, Karnataka, India

NR 33 (2026) Sevoflurane-Induced Neurotoxicity and Dexmedetomidine-Provided Neuroprotection Extend to Several Brain Regions in Newborn Rats

Jose F. Perez-Zoghbi¹, Wenbin Zhu², Andreas W. Loepke³, Marjorie Grafe², Ansgar Brambrink¹

¹Columbia University Medical Center, New York, New York, ²Oregon Health and Science University, Portland, Oregon, ³University of Cincinnati College of Medicine, Cincinnati, Ohio

OBSTETRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-04 4:00 pm - 5:30 pm

Group 6 Poster Moderator(s):

Jill Mhyre, MD, University of Arkansas, Little Rock, Arkansas

Matthias Riess, MD, PhD, Vanderbilt University Medical Center, Nashville, Tennessee

OB 40 (1086) The Use of Helium-Oxygen Mixture during Labor and Delivery: A Case Series

Omar A. Alyamani¹, Shobana Bharadwaj¹, Jessica Galey², Chinwe Ihenatu², Beatrice Afrangui², Andrew Malinow²

¹University of Maryland Medical Center, Baltimore, Maryland, ²University of Maryland School of Medicine, Baltimore, Maryland

OB 41 (1157) Perinatal Education of Labor Analgesia Effects on Maternal Anxiety and Satisfaction

Molly Amin, Stephen Ellwood, Christian Estrada, Antonio Gonzalez-Fiol

Rutgers New Jersey Medical School, Newark, New Jersey

OB 42 (1044) Independent Risk Factors for Surgical Site Infection after Cesarean Delivery

Ahmed F. Attaallah, Manuel C. Vallejo, Osama Elzamzamy

West Virginia University, Morgantown, West Virginia

OB 43 (1177) Mother Survive Cerebral AVM Bleed and Multiple Cardiac Arrests to Deliver Healthy Baby

Indranil Chakraborty, Priya Gupta, Adib Abila

University of Arkansas for Medical Sciences, Little Rock, Arkansas

OB 44 (1428) Acupressure for Post-op Nausea-Vomiting Prophylaxis in Emergency Cesarean Sections

Rupam Jha¹, Chitra T², Apurva Agarwal², Shaily Agarwal²

¹Maulana Azad Medical College & Lok Nayak Hospital, Delhi, India, ²Ganesh Shankar Vidyarthi Memorial Medical College, Kanpur, Kanpur, Uttar Pradesh, India

Saturday, May 6 • Moderated Poster Discussion Sessions

PAIN MEDICINE

Moderated Poster Discussion Session-04 4:00 pm - 5:30 pm

Group 7 Poster Moderator(s):

Anis Dizdarevic, MBBS, Columbia University, New York, New York

PM 45 (1566) Intraoperative Esmolol Decreases Intraoperative Opioid Use, PACU Opioid Use, and PACU Pain Scores: A Systematic Review, Meta-Analysis, and Meta-Regression

T. A. Anderson¹, Amanda M. Gelineau¹, Michael R. King², Karim Ladha³, Sara M. Burns⁴, Timothy Houle¹

¹Massachusetts General Hospital, Boston, Massachusetts, ²Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois, ³Toronto General Hospital, Toronto, Ohio, ⁴Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

PM 46 (1491) Pain Skills Training: Improving Quality in the Military Health System

Brandon M. Bilka¹, Lindsey Brown², Christopher Spevak¹

¹Walter Reed National Military Medical Center, Bethesda, Maryland, ²Georgetown University School of Medicine, Washington, DC

PM 47 (2212) Dexmedetomidine for Symptom Management during End-of-Life

Jamie Burns¹, Kevin G. Jackson¹, Kathy A. Sheehy², Julia Finkel¹, Zenaide Quezado¹

¹Children's National Medical Center, Washington, DC, ²Virginia Commonwealth University Health System, Richmond, Virginia

PM 48 (2012) Development of ROS-Responsive Microspheres for Sustained Local Delivery of Therapeutics for the Treatment of Chronic Pain

Michael Chi¹, Taylor Kavanaugh², Jerod Denton¹, Craig Duval²

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt University, Nashville, Tennessee

PM 49 (1717) Dorsal Root Ganglion Stimulation for Chronic Tibial Pain Following Spinal Cord Injury

Zohab Imam¹, Zahidul Huq¹, Dennis Patin²

¹Jackson Memorial Hospital, Miami, Florida, ²University of Miami, Miami, Florida

PATIENT SAFETY

Moderated Poster Discussion Session-04 4:00 pm - 5:30 pm

Group 8 Poster Moderator(s):

Eugene Hessel, MD, University of Kentucky School of Medicine, Lexington, Kentucky

PS 56 (1576) Clinical Validation of a New "Call-Out Algorithm" for Postoperative Pain Management

Vladimir Kuklin¹, Lisa Dybvik¹, Erlend Skraastad², Aigerim Yeltayeva³, Aidos Konkaev³, Tatiana Musaeva⁴, Igor Zabolotskikh⁴

¹Akershus University Hospital, Lorenskog, Norway, ²Kongsberg Hospital, Kongsberg, Norway, ³Kazakh State Medical University, Astana, Norway, ⁴Kuban State Medical University, Krasnodar, Norway

PS 57 (1639) Lessons in Communication: From Root Cause To Cause of Survival

Jeffrey Mojica¹, Tara Kennedy², Anna Rabinowitz², Anne Hermon³, Jamie Dougherty³

¹Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Sidney Kimmel Medical College, Philadelphia, Pennsylvania, ³University of Limerick Graduate Entry Medical School, Limerick, Munster, Ireland

PS 58 (1975) Big Quality: Initial Evaluation of the Effectiveness of an Automated Provider-Level Outcomes Dashboard

Vikas O'Reilly-Shah, Lisa Cogdill, Benjamin Amoateng, Grant Lynde

Emory University, Atlanta, Georgia

PS 59 (1815) Gastric Ultrasound Assessment of Carbohydrate-Based Versus Protein-Containing "Clear Liquid" Consumption In Healthy Volunteers: A Prospective, Randomized, Controlled Pilot Study

Sher-Lu Pai, Elird Bojaxhi, Ilana Logvinov, Steven Porter, Neil Feinglass, Christopher Robards, Klaus Torp
Mayo Clinic, Jacksonville, Florida

PS 60 (1309) Respiratory Status at PACU Discharge as Predictor for Post-Operative Respiratory Depression on the General Hospital Floor

Wael Saasouh¹, Karen Hovsepyan¹, Brian C Harvey², Christine Chang¹, Alparslan Turan¹

¹Cleveland Clinic Foundation, Cleveland, Ohio, ²Respiratory Motion, Inc., Waltham, Massachusetts

Moderated Poster Discussion Sessions • Saturday, May 6

REGIONAL ANESTHESIA

Moderated Poster Discussion Session-04

4:00 pm - 5:30 pm

Group 9 Poster Moderator(s):

Carlos Mantilla, MD, PhD, Mayo Clinic College of Medicine, Rochester, Minnesota

Vikas Kumar, MBBS, Augusta University Medical College of Georgia, Augusta, Georgia

RA 75 (1804) Complications of Postoperative Epidural Analgesia Infusions in Patients Receiving Deep Vein Thrombosis Prophylaxis Regimens: A Retrospective Study

Yusuke Akahoshi, Linda Rever

Keck Hospital of University of Southern California, Los Angeles, California

RA 76 (1172) ACTH Treatment in Post Dural Puncture Headache Following Spinal In LSCS

Zainab S Almamri¹, Abdullah M. Aljadidi¹, Rashid M. Khan², Naresh K. Kaul³

¹Khoul Hospital, Muscat, WY, ²Khoul Hospital, Muscat, Oman

RA 77 (2079) Novel Engineering Design to Demonstrate Pharmacokinetics and Pharmacodynamics of Local Anesthetic in the Feline Sciatic Nerve Preparation

Matthieu K. Chardon¹, Michael Johnson¹, Charles Heckman¹, Santhanam Suresh¹

¹Northwestern University, Chicago, Illinois, ²Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois

RA 78 (1268) Low vs. Traditional Interscalene Nerve Block Effects on Lung Volumes In Obese Patients

Kristen Dragan, James Sadler, George Bal, Jackson Lenz, Pavithra Ranganathan, Michael Ritchie, Justin Stover

West Virginia University, Morgantown, West Virginia

RA 79 (1170) Using Activity Trackers to Measure Ambulation After Regional Anesthesia Interventions

Faraj Abdallah, John Laffey

University of Toronto, Toronto, Ontario, Canada

RA 80 (2249) Subscapularis Plane Block – A Novel Phrenic Nerve Sparing Single Injection Shoulder Block – An Anatomical Study

Deepti Vissa, Reese Drake, Sugantha Ganapathy, Marjorie Johnson

Western University, London, Ontario, Canada

Daily Poster Schedule-at-a-Glance

6:30 am - 7:30 am	Setup of Posters for Moderated Poster Discussion Session-05 and Moderated Poster Discussion Session-06
7:30 am - 9:00 am	Moderated Poster Discussion Session-05
9:30 am - 11:00 am	Moderated Poster Discussion Session-06
11:00 am - 1:00 pm	Kosaka Best of Meeting Abstract Awards Session
1:00 pm - 2:00 pm	Removal of Posters for Moderated Poster Discussion Session-05, Moderated Poster Discussion Session-06 and Kosaka Best of Meeting Abstract Awards Session
	Setup of Posters for Moderated Poster Discussion Session-07 and Moderated Poster Discussion Session-08
2:00 pm - 3:30 pm	Moderated Poster Discussion Session-07 and
4:00 pm - 5:30 pm	Moderated Poster Discussion Session-08
5:30 pm - 6:30 pm	Removal of Posters for Moderated Poster Discussion Session-07 and Moderated Poster Discussion Session-08

CARDIOVASCULAR ANESTHESIOLOGY

Moderated Poster Discussion Session-05 7:30 am - 9:00 am

Group 1 Poster Moderator(s):

HiroYuki Kinoshita, MD, PhD, Aichi Medical University
School of Medicine, Nagakute, Japan

Daniel Stolfus, MD, MedStar Washington Hospital
Center, Washington, DC

CA 24 (1237) Adiponectin Restores Nitric Oxide-Dependent Flow-Induced Dilation in Human Arterioles

Julie K. Freed, Joseph C. Hockenberry, David D. Gutterman

Medical College of Wisconsin, Milwaukee, Wisconsin

CA 25 (1879) Blood Product Utilization in Revision vs. First-Time Cardiac Surgery: An Update in The Era Of Patient Blood Management

Nadia B. Hensley, Pranjal B. Gupta, William W. Yang, Steven M. Frank, Charles Brown

The Johns Hopkins University School of Medicine, Baltimore, Maryland

CA 26 (1704) Improved Oxygen Delivery When Operating at Low Intra-Abdominal Pressure Using Deep Neuromuscular Block During Laparoscopic Surgery

Michael Scott¹, Katie Blightman², Matthew Dickinson², Iain Jourdan², Andrew Day³, William Fawcett², Timothy Rockall²

¹Virginia Commonwealth University Health System, Richmond, Virginia, ²Royal Surrey County Hospital, Guildford, Surrey, United Kingdom, ³East Surrey Hospital, Redhill, Surrey, United Kingdom

CA 27 (1064) Vortex Formation of Single Right Ventricle

Koichi Akiyama¹, Maki Ishii¹, Keiichi Itatani¹, Mao Kinoshita¹, Atsushi Kainuma¹, Yasufumi Nakajima², Teiji Sawa¹

¹Kyoto Prefectural University of Medicine, Kyoto City, Kyoto Prefecture, Japan, ²Kansai Medical University, Hirakata City, Osaka Prefecture, Japan

CA 28 (1590) Urine Output on CPB as an Early Marker of AKI

Tracey F. Gibson¹, Sujatha Ramachandran¹, Ricardo A. Bello², Sheldon Goldstein³

¹Montefiore Medical Center, Bronx, New York, ²University of Massachusetts Memorial Medical Center-Worcester, Worcester, Massachusetts, ³Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York

Moderated Poster Discussion Sessions • Sunday, May 7

CA 29 (1211) Intraoperative Blood Glucose and Serum Potassium Levels during Off-Pump CABG

Kapil Gupta¹, MC Cluskey²

¹Toronto Western Hospital, Toronto, Canada, Toronto, Ontario, Canada ²Toronto General Hospital, Toronto, Canada, Toronto, Ontario, Canada

CC 52 (2067) Percutaneous Cannulation for Venovenous ECMO without Fluoroscopy

Leon Eydelman, Michael Connor

Emory University School of Medicine, Atlanta, Georgia

CC 53 (1321) Testing a Novel Manual Communication System for Mechanically Ventilated ICU Patients

Miriam A. Goldberg¹, Leigh R. Hochberg², Dawn Carpenter¹, Johnny Isenberger¹, Stephen Heard¹, J. M. Walz¹

¹University of Massachusetts Medical School, Worcester, Massachusetts, ²Brown University, Providence, Rhode Island

CRITICAL CARE

Moderated Poster Discussion Session-05

7:30 am - 9:00 am

Group 2 Poster Moderator(s):

Kunal Karamchandani, MD, Penn State Hershey Medical Center, Hershey, Pennsylvania

Peter von Homeyer, MD, FASE, University of Washington School of Medicine, Seattle, Washington

CC 48 (1800) Ultrasound-Guided Serratus Plane Block Analgesia In Blunt Thoracic Trauma – A Case Series

Fathi Bashir, Brandi Lewis-Polite, Mohamed Gaber, Edward D. Foley, Vikas Kumar, Manuel Castresana

Medical College of Georgia, Augusta, Georgia

CC 49 (1685) Increased Intraoperative Crystalloid Administration for Esophagectomy Decreases Unplanned ICU Admissions in a Single Center Study

Jeffrey P. Cardinale¹, Morgan T. Smith¹, Phillip Boysen², Bobby Nossaman²

¹Ochsner Medical Center, New Orleans, Louisiana, ²Ochsner Clinic Foundation, New Orleans, Louisiana

CC 50 (1951) The Use of Incentive Spirometry to Reveal Pulse Pressure and Systolic Pressure Variability in Spontaneously Breathing Patients.

Christopher Choi¹, Kirk Shelley¹, Aymen Alian¹

¹Yale University School of Medicine, New Haven, Connecticut

CC 51 (1810) DNR: Survey of the Discussions by Medical Professionals at a Tertiary Care Center

Danielle Cobb¹, Peggy White¹, Terrie Vasilopoulos¹, Laurie Davies¹, Brenda Fahy²

¹University of Florida, Gainesville, Florida, ²University of Florida College of Medicine, Gainesville, Florida

ECONOMICS, EDUCATION AND POLICY AND PATIENT SAFETY

Moderated Poster Discussion Session-05

7:30 am - 9:00 am

Group 3 Poster Moderator(s):

Tomoko Yorozu, MD, PhD, Kyorin University, Mitaka, Shimorenjaku, Japan

EEP 36 (1394) Mobile App Development for Anesthesia Carbon Emissions Benchmarking and Education

Lawrence Lipana¹, Ellesse Credaroli², Nitin Sukumar¹, Feng Dai¹, Jodi Sherman¹

¹Yale University, New Haven, Connecticut, ²University of New England, Biddeford, Maine

EEP 37 (1047) A Customizable Curriculum to Enhance Resident Communication Skills

John D Mitchell¹, Cindy Ku¹, Brendan Lutz², Sajid Shahul³, Vanessa Wong¹, Stephanie B Jones¹

¹Beth Israel Deaconess Medical Center, Boston, Massachusetts, ²Edward Via College of Osteopathic Medicine, Blacksburg, Virginia, ³University of Chicago Medical Center, Chicago, Illinois

EEP 38 (1790) Clinical Trial Registration and Adherence to Reporting Guidelines in Top Anesthesiology Journals: A Systematic Review

Michael S. Moore, Andrew Ross, Jeff Young, Matt Vassar

Oklahoma State University, Tulsa, Oklahoma

Sunday, May 7 • Moderated Poster Discussion Sessions

EEP 39 (1328) Anesthesiology Residency Operating Room Management Elective

Falin Patel¹, Bryant Hong¹, Gurwinder K Gill¹, Jeffrey Berger¹, Tsai Mitchell²

¹The George Washington University School of Medicine and Health Sciences, Washington, DC, ²University of Vermont Medical Center, Burlington, Vermont

EEP 40 (1550) Does OSCE Based Resident Skill Progression Assessment Correlate with Clinical Assessment Data?

Annette Rebel, Amy DiLorenzo, Regina Y Fragneto, Johan Dorfling, Randall M Schell

University of Kentucky, Lexington, Kentucky

PS 41 (2149) Intraoperative Handover: What Are We Missing?

Sophia Lane, Marketa Gross, Cristian Arzola, Archana Malavade, Zeev Friedman

Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada

L 56 (1093) Interaction Between Recipient Dysnatraemia and Gender on 30 Day Mortality, and Length of Hospital Stay After Liver Transplantation

Christos A Koutentis¹, Gebhard Wagener²

¹Mailman School of Public Health, Columbia University, New York, New York, ²Department of Anesthesiology, Columbia University, New York, New York

L 57 (1096) Association of Preoperative Hyponatremia with Infection Following Liver Transplantation

Christos A Koutentis¹, Gebhard Wagener², Elaine Larson¹, Jianfang Liu³

¹Mailman School of Public Health, Columbia University, New York, New York, ²Department of Anesthesiology, Columbia University, New York, New York, ³School of Nursing, Columbia University, New York, New York

L 58 (1097) Severe Hyponatremia and Predicted Probabilities for Renal Risk in Liver Transplantation

Christos A. Koutentis¹, Gebhard Wagener²

¹Mailman School of Public Health, Columbia University, New York, New York, ²Department of Anesthesiology, Columbia University, New York City, New York

L 59 (1103) Dysnatremia's Role in Extending the Duration of Hospital Stay of Liver Transplant Recipients

Christos A Koutentis¹, Gebhard Wagener²

¹Mailman School of Public Health, Columbia University, New York, New York, ²Department of Anesthesiology, Columbia University, New York, New York

GLOBAL HEALTH AND LIVER

Moderated Poster Discussion Session-05 7:30 am - 9:00 am

Group 4 Poster Moderator(s):

Beatrice Beck-Schimmer, MD, University Hospital Zurich, Zurich, Switzerland

Gebhard Wagener, MD, Columbia University Medical Center, New York, New York

LB GH 54 (4191) Treatment Patterns for Respiratory Distress Syndrome in Low-Resource Settings: A Report from Bangladesh.

Richard Hubbard¹, Kamal Choudhury², David Seng¹, Grace Lim¹

¹University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, ²BirDEM-II Hospital, Dhaka, Bangladesh

L 55 (1703) Effects on Patient Outcome of Intraoperative Epidural Local Anesthetic Infusion during Hepatectomy

Christopher J. Mallard, Brad Withers, Brooke Bauer, Paul A. Sloan, Annette Rebel

University of Kentucky, Lexington, Kentucky

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-05 7:30 am - 9:00 am

Group 5 Poster Moderator(s):

Ibtesam Hilmi, MB CHB, FRCA, UPMC-Presbyterian Hospital, Pittsburgh, Pennsylvania

Samantha Yeap, MD, Indiana University Department of Anesthesiology, Bloomington, Indiana

MCC 1 (1652) Sedation of a Pediatric Patient with Leigh Syndrome Using Diphenhydramine and Dexmedetomidine

Michael Hoger

Walter Reed National Military Medical Center, Bethesda, Maryland

Moderated Poster Discussion Sessions • Sunday, May 7

MCC 2 (2165) Spinal Cord Stimulation for the Treatment of Refractory Angina: A Case Report

Bryce C Holmgren, Talal W. Khan

University of Kansas Health System, Kansas City, Kansas

MCC 3 (1264) Stellate Ganglion Block for Upper Extremity Ulcer and Pain from Raynaud's Phenomenon

Albert Hsu

Walter Reed National Military Medical Center, Bethesda, Maryland

MCC 4 (2116) Acetazolamide – Induced Intraoperative Metabolic Acidosis – A Challenging Anesthetic Case Study

Haitham Ibrahim¹, Daniel Lee¹, Sergey Pisklakov²

¹Montefiore Medical Center, Bronx, New York,

²Albert Einstein College of Medicine, Bronx, New York

MCC 11 (1853) Asystolic Arrest from Polypharmacy in a Patient with Status Epilepticus

Kevin Blackney, Adam Rizvi, Atif Saleem, Erin Hennessey

Stanford University Medical Center, Stanford, California

Group 6 Poster Moderator(s):

Jeffrey White, MD, MBA, University of Florida, Gainesville, Florida

Matthias Riess, MD, PhD, Vanderbilt University Medical Center, Nashville, Tennessee

MCC 6 (1308) Liver Transplant in a Patient with Severe Portopulmonary Hypertension

Tiffany Kuo, **Brendan Inouye**, Jeffrey D White

University of Florida, Gainesville, Florida

MCC 7 (1441) An Interesting Case of a Giant Chiari Network in Suspected Left Ventricular Non Compaction and Use of Transesophageal Echocardiography for Swan-Ganz Catheter Placement: A Case Report

Muhammad Salman Tahir Janjua, Hardik Patel, Nitin Anand, Manuel Castresana

Augusta University Medical Center, Augusta, Georgia

MCC 8 (1666) Management of Pheochromocytoma Resection in the Presence of an Unrestricted Intracardiac Shunt

York Jiao¹, Lingesh Sivanesan²

¹University of Connecticut, Farmington, Connecticut,

²Hartford Hospital, Hartford, Connecticut

MCC 9 (1487) Unexpected Cardiac Tamponade Diagnosed by Critical Care Ultrasound After Palliative Inferior Vena Cava Stent Placement

Lindsey Huddleston, Jennifer Wilson, Kristine Breyer

University of California, San Francisco, San Francisco, California

MCC 10 (1066) Case Report: Neonatal Respiratory Depression after Epidural Fentanyl

Michael Rahimi¹, Michael Girshin²

¹New York Medical Center / Westchester Medical

Center, Valhalla, New York, ²New York Medical College, New York, New York

NEUROSCIENCE IN ANESTHESIOLOGY

Moderated Poster Discussion Session-05

7:30 am - 9:00 am

Group 7 Poster Moderator(s):

Robert Craft, MD, University of Tennessee, Knoxville, Tennessee

NR 76 (1914) Anesthesia for Intra-Operative MRI for Awake Craniotomy: A Tertiary Center Experience

Wael Saasouh, Sanchit Ahuja, Rafi Avitsian, Andrea Kurz, Shobana Rajan

Cleveland Clinic, Cleveland, Ohio

NR 77 (2286) Role Of Autophagy Dysfunction In General Anesthetics Induced Neurotoxicity In Alzheimer's Disease

Huafeng Wei¹, Meirong Yang¹, Ge Liang¹, Saadet Inan¹, Zhendong Xu¹, Christopher Ward², Yan Wang¹

¹University of Pennsylvania, Philadelphia, Pennsylvania,

²Children Hospital of Philadelphia, Philadelphia, Pennsylvania

Sunday, May 7 • Moderated Poster Discussion Sessions

NR 78 (1295) Vascular Effects and Brain Region Specific Changes in Gene Expression After Fluid Percussion Injury and Tau Oligomer Targeted Passive Immunotherapy in Rats

Satoshi Yamamoto, Ian Bolding, Yaping Zeng, Donald Prough, Douglas Dewitt, Bridget Hawkins

University of Texas Medical Branch, Galveston, Texas

NR 79 (1962) Hemodynamics And Cognitive Outcomes In Total Hip Arthroplasty

Tian X You¹, Nicoleta Stoicea², Stephen Marjoribanks², Mahmoud Abdel-Rasoul³, Fedias Christofi², Sergio Bergese²

¹The Ohio State University College of Medicine, Columbus, Ohio, ²The Ohio State University Wexner Medical Center, Columbus, Ohio, ³The Ohio State University, Columbus, Ohio

NR 80 (1285) Clinical Chronic Hypoxic Conditions and The Outcomes of Acute Ischemic Stroke Patient

Umeshkumar Athiraman, Rene Tempelhoff, Menelaos Karanikolas, Gregory Zipfel

Washington University in Saint Louis, St. Louis, Missouri

PM 67 (2211) A Positive Correlation Exists Between Body Mass Index and Peak Serum Levels of VVZ-149 after Loading Dose Followed By 8 Hour Infusion

Rosemary Kelley³, Xiaodong Bao¹, Srdjan S Nedeljkovic², Yi Zhang¹, Jose Zeballos³, Ashish Bhandari³, Kristen J Eng¹, Doo H Lee⁴

¹Massachusetts General Hospital, Boston, Massachusetts, ²Brigham and Women's Hospital, Chestnut Hill, Massachusetts, ³Brigham and Women's Hospital, Boston, Massachusetts, ⁴Vivozon, Inc, Seoul, Republic of Korea

PM 68 (1259) Effect of the Site of Tetanic Stimulation on Autonomic Responses

Pekka O Talke¹, Isabel Talke²

¹UCSF, San Francisco, California, ²Redwood High School, Greenbrae, California

PM 69 (1841) Magnesium Sulphate Premedication: A Boon for Patients Intubated Using Succinylcholine

Litty John

St. Johns Medical College, Bengaluru, Karnataka, India

PAIN MEDICINE

Moderated Poster Discussion Session-05

7:30 am - 9:00 am

Group 8 Poster Moderator(s):

Anis Dizdarevic, MBBS, Columbia University, New York, New York

PM 65 (1991) Attitudes and Self-Reported Practices of Orthopedic Surgical Providers Regarding Prescription Opioids

Deepa Kattail¹, Aaron Hsu², Dawn Laporte¹, R. F Henn³, Debra L Roter¹, Myron Yaster¹, Constance Monitto¹

¹Johns Hopkins University, Baltimore, Maryland,

²The Johns Hopkins University, Baltimore, Maryland,

³University of Maryland, Baltimore, Maryland

PM 66 (2175) Role of Preoperative Factors in Predicting Postoperative Pain Intensity: Results of a Clinical Trial to Evaluate Analgesic Efficacy and Safety of VVZ-149 Injections

Rosemary Kelley¹, Srdjan S Nedeljkovic², Jose Zeballos¹, Ashish Bhandari¹, Johanna Ledley¹, Victor Wang¹, Doo H Lee³

¹Brigham and Women's Hospital, Boston, Massachusetts,

²Brigham and Women's Hospital, Chestnut Hill, Massachusetts, ³Vivozon, Inc, Seoul, Republic of Korea

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-05

7:30 am - 9:00 am

Group 9 Poster Moderator(s):

Michael Russell, MD, West Virginia University, Morgantown, West Virginia

LB PA 12 (4223) Postoperative Outcomes Stratified By Opioid Dose Prescription Quartiles In Orthopedic Surgery - A Population Based Analysis

Crispiana Cozowicz¹, Sarah M. Weinstein¹, Gerner Philipp², Ashley Olson³, Jashvant Poeran³, Eva E. Morwald¹, Stavros G. Memtsoudis¹

¹Hospital for Special Surgery, New York, New York,

²University of Massachusetts Medical School, Amherst, Massachusetts, ³Icahn School of Medicine at Mount Sinai, New York, New York

PA 13 (2185) Preoperative Functional Dependence Is a Predictor for Unplanned Postoperative Intubations Following Thoracic Surgery - A National Registry Analysis

Brittany N. Burton, Albert P. Nguyen, Ulrich Schmidt, Rodney A. Gabriel

University of California, San Diego, La Jolla, California

Moderated Poster Discussion Sessions • Sunday, May 7

PA 14 (1132) Perioperative Provider Perspectives on Advance Care Planning For Surgical Patients

Alison M. Conca-Cheng, Giulia Sikorski, Rebecca A. Aslakson

Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, Maryland

PA 15 (1608) Incidence and Risk Factors for Chronic Post-Operative Opioid Use in Opioid Patients Undergoing Major Spine Surgery

Lauren K. Dunn¹, Sandeep Yerra¹, Bhiken Naik¹, Siny Tsang², Edward Nemergut¹, Marcel Durieux¹

¹University of Virginia, Charlottesville, Virginia,

²Columbia University, New York, New York

PA 16 (1008) Does Intra-Peritoneal Local Anesthetic Improve Outcomes in ERABS-A Double Blind RCT

Naveen Eipe¹, Robert Wu¹, Amer Jarrar¹, Amy Neville¹, JD Yelle¹, Joseph Mamazza¹

The Ottawa Hospital, Ottawa, Ontario, Canada

LB PA 17 (4208) Neuraxial Anesthesia Decreases the Odds of Postoperative Delirium in Total Knee Arthroplasty Patients

Sarah M Weinstein, Crispiana Cozowicz, Isabel F. Armendi, Eva E. Morwald, Lila R Baaklini, Lazaros Poultides¹, Stavros G. Memtsoudis

Hospital for Special Surgery, New York, New York

AMB 2 (1848) Anesthesiologist Directed Sedation, a New Anesthesia Led-Nurse Performed Sedation Model

Elia Del Rosario, John Doyle, Joanne Bruton, Ann Williamson, Massimo Ferrigno

Cleveland Clinic Abu Dhabi, Abu Dhabi, United Arab Emirates

AMB 3 (1219) Review of 46 ASA III and IV Patients in an Office-Based Setting: Case Series

Penelope K Duke¹, Leslie A Vargas²

¹Penelope Duke MD, Pennsylvania, Houston, Texas, ²MD Anderson Cancer Center, Houston, Texas

AMB 4 (1519) Effect of Etomidate and Propofol on Hemodynamics and Seizure Duration during Electroconvulsive Therapy: A Randomized Crossover Study

Divya Mehta, Sanjeev Palta, Richa Saroa, Nitin Gupta

Government Medical College and Hospital, Chandigarh, India

AMB 5 (1898) Respiratory Volume Monitoring Could Improve Safety in Procedural Sedation

Donald M Mathews¹, Michael J Oberding², Eric L Simmons², Stephen E O'Donnell², Kevin R Abnet²

¹University of Vermont Medical Center, Burlington, Vermont, ²University of Vermont, Burlington, Vermont

CARDIOVASCULAR ANESTHESIOLOGY

Moderated Poster Discussion Session-06

9:30 am - 11:00 am

Group 2 Poster Moderator(s):

Beatrice Beck-Schimmer, MD, University Hospital Zurich, Zurich, Switzerland

Michael Wall, MD, FCCM, University of Washington, Seattle, Washington

CA 18 (1870) LVAD and Prone Position for Non-Cardiac Surgery

Bradley Kook¹, Kimberly Rengel¹, Christina J Hayhurst²

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt, Nashville, Tennessee

AMBULATORY ANESTHESIA

Moderated Poster Discussion Session-06

9:30 am - 11:00 am

Group 1 Poster Moderator(s):

Sylvia Wilson, MD, Medical University of South Carolina, Charleston, South Carolina

Jean Wong, MD, University of Toronto, Toronto, Ontario, Canada

AMB 1 (1802) Postoperative Pain and Sleep After Peroral Endoscopic Myotomy

Wannan Chen, Jing Cang, Xiaoguang Zhang

¹ZhongShan Hospital, Fudan University, Shanghai, China

Sunday, May 7 • Moderated Poster Discussion Sessions

CA 19 (1900) Modified Tricuspid Annular Plane Systolic Excursion and Its Association with Postoperative Course in Heart Transplant Patients

Tura Lencho, Yoshihisa Morita

Henry Ford Hospital, Detroit, Michigan

CA 20 (2120) The Effect of Exercise on the Timing of Aortic Valve Closure In Reference to the ECG Tracing

Yurie Obata¹, Daniel Berkowitz², Jochen Steppan², Pavel Ruzankin³, Viachaslau Barodka⁴

¹The Johns Hopkins University School of Medicine, Baltimore, Maryland, ²Johns Hopkins University, Baltimore, Maryland, ³Sobolev Institute of Mathematics, Novosibirsk, Russia, ⁴The Johns Hopkins University, Baltimore, Maryland

CA 21 (1578) Proinflammatory Profiles of Whole Blood Acquired From Acute Normovolemic Hemodilution

Heather Reed¹, William B Smith², Mark Martin³, Nikolaus Gravenstein¹, Judith Wishin¹, Terrie Vasilopoulos¹, Gregory M Janelle¹

¹University of Florida, Gainesville, Florida, ²Anesthesiology Associates of North Florida, Gainesville, Florida, ³North Florida Regional Medical Center, Gainesville, Florida

CA 22 (1614) Assessing Diastolic Function as a Fluid Responsiveness Indices

Nicole Ribeiro Marques¹, William E Johnston², Johannes De Riese³, Bryan C Yelverton⁴, Christopher McQuitty¹, Daniel Jupiter¹, Michael Kinsky¹

¹University of Texas Medical Branch, Galveston, Texas, ²Baylor Scott & White Health, Temple, Texas, ³Texas Tech University Health Science Center, Lubbock, Texas, ⁴US Anesthesia Partners, Arlington, Texas

CA 23 (2283) Comparing Early Cellular Changes in the Myocardium and Skeletal Muscle in a Swine Model of Metabolic Syndrome

Maria Saraf¹, Rabia Amir, Jelliffe Jeganathan, Feroze Mahmood, Robina Matyal

Beth Israel Deaconess Medical Center, Boston, Massachusetts

ECONOMICS, EDUCATION AND POLICY

Moderated Poster Discussion Session-06 9:30 am - 11:00 am

Group 3 Poster Moderator(s):

John Mitchell, MD, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts

Nancy Nussmeier, MD, Harvard Medical School, Massachusetts General Hospital, Boston, Massachusetts

EEP 30 (1187) Utilization of an Anesthesiology Departmental Survey for Assessing Wellness

Erik Romanelli¹, Dovid Schoenberg², Myrna Kcomt¹, Melinda Aquino¹, Sheldon Goldstein¹, Angelika Kosse¹

¹Montefiore Medical Center / Albert Einstein College of Medicine, Bronx, New York, ²Touro College, New York, New York

EEP 31 (1872) Communication Assessment Tool – A Mobile Evaluation Tool

Ali Sabbagh

Detroit Medical Center, Detroit, MI

EEP 32 (2010) Ultrasonic Examination of the Underwater Spine: A Learning Technique to Enhance Acquisition of Basic Skills to Place an Epidural Catheter

Michael C Scarbrough¹, Laurie Daste¹, Jacquelyn Paetzold², Phillip Boysen¹

¹Ochsner Clinic Foundation, New Orleans, Louisiana, ²Tulane University School of Medicine, New Orleans, Louisiana

EEP 33 (2028) CUSUM Analysis: An Application of Learning Curves to Ensure Basic Skills in Anesthetic Procedures

Michael C. Scarbrough¹, Laurie Daste¹, Jacquelyn Paetzold², Phillip Boysen¹

¹Ochsner Clinic Foundation, New Orleans, Louisiana, ²Tulane University School of Medicine, New Orleans, Louisiana

EEP 34 (1793) Determination of Death by Neurological Criteria Support Team (DDNCS-T): Ensuring System-Wide Timely Brain Death Testing

Adam Schiavi, Adrian Puttgen, Brett Morrison

Johns Hopkins Hospital, Baltimore, Maryland

Moderated Poster Discussion Sessions • Sunday, May 7

EEP 35 (1964) A Systematic Review of Reporting Standards of Pilot Randomized Controlled Trials in High Impact Anesthesiology Journals and Their Adherence to CONSORT-Pilot Extension Guidelines

Harsha Shanthanna¹, Alka Kaushal², Lawrence Mbuagbaw³, Rachel Couban², Lehana Thabane³

¹St. Joseph's Health Care, McMaster University, Hamilton, Ontario, Canada ²McMaster University, Hamilton, Ontario, Canada ³St. Joseph's Healthcare, Hamilton, Ontario, Canada

MCC 5 (1659) VATS Resection of an Ectopic Parathyroid Gland Overlying the Main Pulmonary Artery in a 14-Week Pregnant Female

Amanda Kleiman, Jan-Pablo Kollmar

University of Virginia, Charlottesville, Virginia

MCC 6 (1595) Case Report: Anesthetic Management of a Young Adult with Angelman Syndrome during Esophagogastroduodenoscopy

Androcles Lester, Lev Deriy, Neal Gerstein

University of New Mexico, Albuquerque, New Mexico

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-06 9:30 am - 11:00 am

Group 4 Poster Moderator(s):

Michiaki Yamakage, MD, Sapporo Medical University, Sapporo, Japan

Claude Abdallah, MD, MSc, Children's National Medical Center, Washington, DC

MCC 1 (2281) A Case Report on Traumatic Intrapericardial Diaphragmatic Hernia

Litty John, Radhika Dhanpal, Manjula Devi

St. John's Medical College, Bengaluru, Karnataka, India,

MCC 2 (1627) Case Report: Tension Pneumothorax and PEA Arrest during Elective Colonoscopy

Jacob Jones, Marian Sherman

The George Washington University Hospital, Washington, DC

MCC 3 (1128) Time to Wake Up: Beyond Video Laryngoscope and Fiberoptic Intubation Techniques for Managing a Difficult Airway

John Jubar, Lauren E Klinker, Tina Tran

Johns Hopkins Hospital, Baltimore, Maryland

MCC 4 (2179) Continuous Spinal Anesthesia in a Patient with a Tonsillar Mass and Significant Comorbidities Presenting for Hip Pinning

Andrea Keohane

¹Vanderbilt University Medical Center, Nashville, Tennessee

Group 5 Poster Moderator(s):

Samantha Yeap, MD, Indiana University, Bloomington, Indiana

MCC 7 (1190) Anesthesia for Thyroidectomy in a Patient with Multiple Sclerosis - IV Lidocaine Helps

Jacques Lorthe Jr., Crista-Gaye Foster, Ajay Shah, Saiganesh Ravikumar, Ramasamy Govindarajan, Faustina A Lozada-Orquera, Dave Livingstone

Bronx Lebanon Hospital Center, Bronx, New York

MCC 8 (1745) Successful Anesthetic Management Of Video Assisted Thoracoscopy Surgery (VATS) Under Monitored Anesthesia Care (MAC)

Catherine Mallory, Jose c Humanez, Vinodkumar Singh

University of Alabama at Birmingham, Birmingham, Alabama

MCC 9 (1239) Effusive Constrictive Pericarditis: An Anesthetic Challenge

Dillon E Meier, Nirvik Pal, Patricia Nicolato, Jeffrey Bushman, Christin Kim

Virginia Commonwealth University Health System, Richmond, Virginia

MCC 10 (2100) Perioperative Management of Patients Undergoing Median Arcuate Ligament Release Surgery (MALS)

Yewande Johnson, Timothy Kane, Mikael Petrosyan, Susan Verghese

Children's National Health System, Washington, DC

Sunday, May 7 • Moderated Poster Discussion Sessions

MCC 11 (1257) Perioperative Care of a Patient with a Congenital LQTS and Ventricular Tachycardia

Joseph D Walch¹, Roger L Royster¹

¹Wake Forest School of Medicine, Winston-Salem, North Carolina

MCC 12 (2144) Tricuspid Valvectomy, An Anesthetic Concern?

Katherine H Harold¹, Michael Webster²

¹Grandview Medical Center, Dayton, Ohio, ²Grandview Medical Center, Dayton, Ohio

OB 45 (2163) Real-Time Evaluation of an Image Analysis System for Monitoring Surgical Hemoglobin Loss

Robert L Thurer⁴, Gerhardt Konig¹, Jonathan Waters¹, Bridget Philip², Vicki Ting², Gaurav Abbi², Griffeth Tully³, Gregg Adams²

¹University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, ²Santa Clara Valley Medical Center, San Jose, California, ³Clinic By The Bay, Menlo Park, California, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts

OB 46 (1560) The Schwartz Jampel Syndrome in Pregnancy and in Labor: Case Report of Anesthesia Management During Labor and Subsequent Urgent Caesarian Section

Aruna K Vaddadi¹, Jaya Ramanathan², Joy Steadman²

¹University of Tennessee, Memphis, Tennessee, ²University of Tennessee Heath Science Center, Memphis, Tennessee

OB 47 (1455) Efficacy of Intravenous Versus Oral Acetaminophen for Postoperative Pain Control Following Cesarean Delivery

Sylvia H. Wilson, Stefanie Robinson, Bethany Wolf, Latha Hebbar

Medical University of South Carolina, Charleston, South Carolina

OB 42 (2171) Can Epidural Dexamethasone Reduce PCEA Consumption of Fentanyl and Levobupivacaine in Laboring Women? A Double-Blind, Randomized, Placebo-Controlled Trial

Sukanya Mitra, Ankur Dhal, Jasvir Singh, Richa Saroa, Reeti Mehra

Government Medical College and Hospital, Chandigarh, Chandigarh, India

OB 43 (1960) Quantification of Sleep Duration and Efficiency after Administration of Labor Epidural Analgesia

Hale N Ozbek¹, Mohamed Tiourine², Jessica Sheeran³

¹University of Virginia, Department of Anesthesiology, Charlottesville, Virginia, ²University of Virginia Health System, Charlottesville, Virginia, ³University of Virginia, Charlottesville, Virginia

OB 44 (1968) Utility of Compensatory Reserve Index as a Predictor of Hemodynamic Changes in Transabdominal Delivery Under Spinal Anesthesia

Hale N Ozbek¹, Jessica Sheeran², Mohamed Tiourine³

¹University of Virginia, Department of Anesthesiology, Charlottesville, Virginia, ²University of Virginia, Charlottesville, Virginia, ³University of Virginia Health System, Charlottesville, Virginia

PAIN MEDICINE

Moderated Poster Discussion Session-06 9:30 am - 11:00 am

Group 7 Poster Moderator(s):

Stephen Lucas, MD, University of Florida College of Medicine, Gainesville, Florida

PM 60 (1087) Racial Disparities in Postoperative Pain Reporting and Satisfaction

Samir Kendale, Germaine Cuff, Andrew Rosenberg

New York University School of Medicine, New York, New York

PM 61 (2032) Outcome Measurements of Chronic Pain Patients Receiving Outpatient Ketamine Infusions

Karim Kherbache¹, May Chin¹, Gabriela Calhoun¹, Karthik Dwarki², Xiangyu Kuang¹, Richard Amdur¹

¹George Washington University, Washington, DC, ²Wake Forest Baptist Health, Winston-Salem, North Carolina

Moderated Poster Discussion Sessions • Sunday, May 7

PM 62 (2233) Dorsal Root Ganglion Stimulation for Tacrolimus-Induced Peripheral Neuropathy: A Case Report

Mohamed Koronfel, Zahidul Huq, Dennis Patin

University of Miami, Miami, Florida

PM 63 (1325) Phytopolyphenols are Hepatoprotective in Mouse Models of Drug-Induced Toxicities

Boleslav Kosharskyy, Brian Geohagen, Ameresh Vydyanathan, Naum Shaparin, Lars Nordstroem, Richard M LoPachin

Albert Einstein College of Medicine, Bronx, New York

PM 64 (2074) Prevalence of Cervicogenic Headache Following Lower Cervical Radiofrequency Neurotomy

Joseph Lagrew, Patrica Nwajuaku, Sanjeev Kumar

University of Florida, Gainesville, Florida

Group 8 Poster Moderator(s):

Anis Dizdarevic, MBBS, Columbia University, New York, New York

PM 70 (2166) Interaction of Rocuronium with VVZ-149 Injections Following Laparoscopic Colorectal Surgery

Johanna Ledley¹, Srdjan S Nedeljkovic¹, Jose Zeballos¹, Ashish Bhandari¹, Victor Wang¹, Rosemary Kelley¹, Doo H Lee²

¹Brigham and Women's Hospital, Boston, Massachusetts, ²Vivozon, Inc, Seoul, Republic of Korea

PM 71 (2178) VVZ-149 Is Not Associated with Further Increase in Qtc Prolongation After General Anesthesia: Results of a Exploratory Study to Evaluate Analgesic Efficacy and Safety of VVZ-149 Injections

Johanna Ledley¹, Srdjan S Nedeljkovic², Jose Zeballos¹, Ashish Bhandari¹, Rosemary Kelley¹, David Greschler¹, Doo H Lee³

¹Brigham and Women's Hospital, Boston, Massachusetts, ²Brigham and Women's Hospital, Chestnut Hill, Massachusetts, ³Vivozon, Inc, Seoul, Republic of Korea

PM 72 (1673) A Randomized Trial of Perioperative Gabapentin to Promote Pain Resolution and Opioid Cessation in a Mixed Surgical Cohort

Jennifer Hah, Sean Mackey, Bradley Efron, Rebecca McCue, Stuart Goodman, Catherine Curtin, Ian Carroll
Stanford University, Stanford, California

PM 73 (1840) Patient Controlled Analgesia with Sufentanil Sublingual – First Results of a German Prospective Observational Study

Tom Meuser, Beate Molitor

MarienKrankenhaus Bergisch Gladbach, North Rhine-Westphalia, Germany

PM 74 (1410) Incidence and Impact of Postoperative HTN on PACU Outcomes and Relation to ERAS

Jordan Sharlin¹, Ryan Jacobs², Alexandra Barabanova², Randal Dull³

¹University of Illinois College of Medicine, Rockford, Illinois, ²University of Illinois at Chicago, Chicago, Illinois, ³University of Illinois at Chicago, Department of Anesthesiology, Chicago, Illinois

LB PM 75 (4204) Feasibility of Panda, A Smartphone Application Designed to Support Pediatric Postoperative Pain Management at Home

Matthias Görges¹, Dustin Dunsmuir¹, Terri Sun¹, Gregor M Devoy², Nicholas West¹, Gillian R Lauder¹, J Mark Ansermino¹

¹The University of British Columbia, Vancouver, British Columbia, ²University of Aberdeen, Aberdeen, Scotland

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-06

9:30 am - 11:00 am

Group 9 Poster Moderator(s):

Michael Russell, MD, West Virginia University, Morgantown, West Virginia

PA 6 (1507) Caregiver PROMIS Baseline

Kathryn Eliassen¹, Matthew Millington², Sara Gonzalez², Krista Highland², Chester Buckenmaier², Michael Kent¹

¹Walter Reed National Military Medical Center, Bethesda, Maryland, ²Defense and Veterans Center for Integrative Pain Management, Rockville, Maryland

PA 7 (1214) Increased First-Case Tardiness and Turnover Times from Preop Anesthesia Clinic Bypass

Richard H. Epstein¹, Franklin Dexter², Eric Schwenk³, Thomas Witkowski³

¹University of Miami, Miami, Florida, ²University of Iowa, Iowa City, Iowa, ³Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, Pennsylvania

Sunday, May 7 • Moderated Poster Discussion Sessions

PA 8 (1890) Quantifying Physical Activity After Cardiac Surgery to Identify Patients at High Risk for Hospital Readmission and Discharge to Rehabilitation

Ryan Healy¹, Anthony Nastasi², Junrui Di², Vadim Zipunnikov², Jennifer Schrack², Charles Brown¹

¹The Johns Hopkins University School of Medicine, Baltimore, Maryland, ²The Johns Hopkins University Bloomberg School of Public Health, Baltimore, Maryland

PA 9 (1445) Correlation of Fasting Gastric Ultrasound with Autonomic Dysfunction and Gastropathy Symptoms in Diabetic Patients

Heena Garg, Subrata Podder, Indu Bala

Pgimer, Chandigarh, Chandigarh, India

PA 10 (1681) Analysis of The Risk Factor of Discontinuation of Fentanyl Based Intravenous Patient-Controlled Analgesia after Lumbar Spinal Fusion Surgery

Shigehiko Urabe¹, Yoshiaki Terao¹, Shozo Tominaga¹, Natsuko Oji¹, Makito Oji¹, Makoto Fukusaki¹, Tetsuya Hara²

¹Nagasaki Rosai Hospital, Sasebo, Nagasaki, Japan,

²Nagasaki University School of Medicine, Nagasaki, Nagasaki, Japan

LB PA 11 (4221) Comparative Effectiveness of Anesthesia Technique in High Volume Orthopedic Surgery: A Retrospective Analysis

Crispiana Cozowicz, Sarah M. Weinstein, Katherine L. Lee, Eva E Mairwald, Lila R. Baaklini, Lazaros Poultsides, Stavros G Memtsoudis

Hospital for Special Surgery, New York, New York

AP 1 (1796) Making the Case for Ketamine Induction in Chronic Heroin Users

Laura Pasternack¹, Corey Scher²

¹Drexel College of Medicine, Philadelphia, Pennsylvania,

²New York University Langone Medical Center, New York, New York

AP 2 (1183) Modulation of Arterial Chemoreflex Control by Dexmedetomidine during Severe Arterial Hypoxemia in the Rabbit

Bhavi Ravindran, David Cottee, Janice Johnstone, Anthony Quail

University of Newcastle, Newcastle, Australia

AP 3 (1740) The Effect of Neostigmine Administration on Postoperative Cardiovascular Complications

Flora T. Scheffenbichler, Hao Deng, Megan B. Zhang, Timothy Houle, Matthias Eikermann, Stuart Forman

Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

AP 4 (1334) Isoflurane Effects on Pro-Inflammatory Interleukin-23 Activity in Mice

Lindsay Stollings¹, Li-Jie Jia², Pei Tang¹, Huanyu Dou³, Binfeng Lu¹, Yan Xu¹

¹University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, ²Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai, China, ³Texas Tech University Health Sciences Center, El Paso, Texas

AP 5(1002) Bolus Administration of Ephedrine and Etilefrine Affects the Perfusion Index

Zen'ichiro Wajima¹, Toshiya Shiga², Kazuyuki Imanaga³

¹International University of Health and Welfare Shioya Hospital, Yaita-shi, Tochigi, Japan, ²Kaken Hospital, International University of Health and Welfare, Ichikawa-shi, Chiba, Japan, ³Ishikawajima Memorial Hospital, Chuuou-ku, Tokyo, Japan

AP 6 (1785) High Throughput Screening for Novel General Anesthetics in Larval Zebrafish

Xiaoxuan Yang¹, Youssef Jounaidi², Jennifer Dai², Francisco Marte², Renee V Daigle², Stuart Forman²

¹Shanghai Jiaotong University School of Medicine, Shanghai, China, ²Massachusetts General Hospital, Boston, Massachusetts

ANESTHETIC PHARMACOLOGY

Moderated Poster Discussion Session-07

2:00 pm - 3:30 pm

Group 1 Poster Moderator(s):

Debra Schwinn, MD, University of Iowa, Iowa City, Iowa

Michiaki Yamakage, MD, Sapporo Medical University, Sapporo, Japan

Moderated Poster Discussion Sessions • Sunday, May 7

CARDIOVASCULAR ANESTHESIOLOGY AND CRITICAL CARE

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 2 Poster Moderator(s):

Nikolas Skubas, MD, DSc, Weill Cornell Medical School, New York-Presbyterian Hospital, New York, New York

Nancy Nussmeier, MD, Massachusetts General Hospital and Upstate University Hospital, Syracuse, New York

CC 19 (4213) Effect of Exogenous Insulin on Serum Magnesium in Diabetic Patients

Litty John

St. Johns Medical college, Bengaluru, Karnataka, India

CA 20 (1678) Activation of Melatonin Receptors with Ramelteon Induces Myocardial Postconditioning in the Rat Heart

Friederike Behmenburg¹, Alexander Mathes², Andre Heinen³, Markus W Hollmann⁴, Ragnar Huhn¹

¹University Hospital Düsseldorf, Düsseldorf, NRW, Germany, ²University Hospital Cologne, Cologne, NRW, Germany, ³Heinrich-Heine-University Düsseldorf, Düsseldorf, NRW, Germany, ⁴University of Amsterdam, Amsterdam, Amsterdam, Holland

CA 21 (1477) Plasma Free Hemoglobin, Oxidative Damage, and Acute Kidney Injury in Cardiac Surgery

Marcos G. Lopez, Mias Pretorius, Frederic T. Billings

Vanderbilt University Medical Center, Nashville, Tennessee

CA 22 (2264) Sur1-Trpm4 Expression in the Spinal Cord of a Canine Model of TAAA Repair

Tony Boualoy, Hamdy Awad, Ehab M Ramadan, Michael Knopp, Jean-Jacques Michaille, Hosam El Sayed, Esmerina Tili

The Ohio State University, Columbus, Ohio

CA 23 (1497) Preoperative Anemia in Elective Cardiac Surgery – Does Hemoglobin Tell the Whole Story?

Angela Lu Dai¹, Stephanie Mick², Keith R Mccrae², Penny L. Houghtaling², Joseph F. Sabik³, Eugene H. Blackstone², Colleen G. Koch⁴

¹Cleveland Clinic, Lerner College of Medicine of Case Western Reserve University, Cleveland, Ohio, ²Cleveland Clinic, Cleveland, Ohio, ³University Hospital, Cleveland, Ohio, ⁴Johns Hopkins Medicine, Baltimore, Maryland

CA 24 (1335) Perioperative Dexmedetomidine for Prevention of Atrial Fibrillation In CABG

German A. Franco Gruntorad¹, Wilman Mendiola², Paula A. Cuartas¹, Olga L. Quintero¹

¹Fundacion Cardioinfantil, Bogota, Cundinamarca, Colombia, ²Hospital San Ignacio, Bogota, Cundinamarca, Colombia

CA 25 (1684) Impact of Anesthetic Regimen on Remote Ischemic Preconditioning in the Rat Heart in Vivo

Ragnar Huhn¹, Andre Heinen², Markus W Hollmann³, Friederike Behmenburg¹

¹University Hospital Düsseldorf, Düsseldorf, NRW, Germany, ²Heinrich-Heine-University Düsseldorf, Düsseldorf, NRW, Germany, ³University of Amsterdam, Amsterdam, Amsterdam, Holland

CRITICAL CARE

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 3 Poster Moderator(s):

Hiroshi Morimatsu, MD, PhD, Okayama University Hospital, Okayama, Okayama, Japan

Michael Wall, MD, FCCM, University of Washington, Seattle, Washington

CC 54 (1276) Motoric Subtype of Delirium and Global Cognition after Critical Illness

Christina J Hayhurst¹, Mayur B Patel¹, Jim Jackson², Annachiara Marra¹, Jennifer L Thompson², Rameela Chandrasekhar², Christopher Hughes¹

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt University School of Medicine, Nashville, Tennessee

Sunday, May 7 • Moderated Poster Discussion Sessions

CC 55 (2254) Persistence of Newly Acquired Epigenetic Changes in PU.1 in Sepsis Survivors

Krzysztof Laudanski¹, Mateusz Zawadka², Jacek Polosak³, Monika Puzianowska-Kuznicka³

¹University of Pennsylvania, Philadelphia, Pennsylvania,

²Warsaw Medical University, Warsaw, FM, ³Mossakowski Research Center, PAS, Warsaw, FM

CC 56 (1270) Multiple Biomarkers Improve Prediction for Infection in the SICU

William M White, Hussam Ghabra, Daniah Dhaifallah, Michael Townsend, Joshua Goldberg, Phillip Boysen, Bobby Nossaman

Ochsner Clinic Foundation, New Orleans, Louisiana

CC 57 (2276) Modes of Mechanical Ventilation Vary Between Intensive Care Units within a University Healthcare System

Craig S Jabaley, Robert F Groff, Jayashree Raikhelkar, Vanessa Moll, James Blum

Emory University Hospital, Atlanta, Georgia

CC 58 (1136) Determining Mortality and Length of Stay in Unexpected Post-Operative ICU Admissions

Evan E Lebovitz, Joshua Knight, Theresa A. Gelzinis, Ibtesam A. Hilmi

University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

CC 59 (1153) Effect of Danaparoid Sodium on Sciatic Nerve Glycocalyx in Septic Rats

Hirofumi Hino¹, Arisa Miura², Sachi Shinmi¹, Soichiro Inoue³

¹St. Marianna University School of Medicine, Miyamaeku, Kawasaki-shi, Kanagawa, Japan ²Kanazawa Bunko Hospital, Yokohamashi, Kanagawa, Japan ³St. Marianna University School of Medicine, Miyamaeku, Kawasaki-shi, Kanagawa, Japan

MCC 1 (1312) Near-Miss Hyperkalemic Arrest During Orthotopic Liver Transplant

Eric Brown, Hemant Joshi, Jeffrey D White

University of Florida, Gainesville, Florida

MCC 2 (1173) Acute Respiratory Failure in an Immunocompromised Patient

Justin Merkow¹, Erik Nelson²

¹University of Colorado, Aurora, Colorado, ²University of Colorado, Denver, Colorado

MCC 3 (2127) Adult Anesthetic Implications of Childhood Cystic Hygroma Resection

Jeffrey Mojica¹, Tara Kennedy², Anna Rabinowitz², Anne Hermon³, Jamie Dougherty³

¹Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Sidney Kimmel Medical College, Philadelphia, Pennsylvania, ³University of Limerick Graduate Entry Medical School, Limerick, Munster, Ireland

MCC 4 (2247) Anesthetic Management in a Patient with Loeys-Dietz Syndrome on an Angiotensin Receptor Blocker

Abigail Monnig, Darlene L Mashman

Emory University School of Medicine, Atlanta, Georgia

MCC 5 (1155) Anesthetic Challenges in Patients with Progressive Supranuclear Palsy

Linh Nguyen, Merrick Ross, Jeffrey Cerny, Catherine Vu¹, Katy French, Jeffrey Lim, Farzin Goravanchi

University of Texas MD Anderson Cancer Center, Houston, Texas

MCC 6 (1434) Right Coronary Artery In-stent Thrombus Following TAVI: Case Report

Andres Bacigalupo Landa, Jason Wigley, Gerald Rosen

¹Mt. Sinai Medical Center, Miami Beach, Florida

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 4 Poster Moderator(s):

Paul S. Garcia, MD, PhD, Emory University School of Medicine, Atlanta, Georgia

Andrew D. Pitkin, MBBS, FRCA, University of Florida, Gainesville, Florida

Moderated Poster Discussion Sessions • Sunday, May 7

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 5 Poster Moderator(s):

Paul S. Garcia, MD, PhD, Emory University School of Medicine, Atlanta, Georgia

Andrew D. Pitkin, MBBS, MRCP, FRCA, University of Florida College of Medicine, Gainesville, Florida

MCC 6 (1196) Management of Multiple Rib Fractures/ Flail Chest with Continuous Serratus Plane Block

Fathi Bashir¹, **Vikas Kumar²**

¹Medical College Of Georgia, Evans, Georgia, ²Medical College Of Georgia, Augusta, Georgia

MCC 7 (1588) Emergency Anesthetic Management of a Parturient with Fontan Circulation

Isaac Shields, Mohamed Tiouririne

University of Virginia, Charlottesville, Virginia

MCC 8 (1076) Anesthetic Management of a Pediatric Patient with Pelizaeus-Merzbacher Syndrome

Jacob Esquenazi, Roshan Patel

Montefiore Medical Center, Bronx, New York

MCC 9 (1888) The Use of Sugammadex for Non- Depolarizing Neuromuscular Blockade Reversal in a Patient with Suspected Lambert Eaton Syndrome: A Case Report

Azuka C Onye

University of Connecticut School of Medicine, Hartford, Connecticut

MCC 10 (1337) Challenging Airway in a Pediatric Patient Impaled by a Freezer Pop Stick

Edward J Park¹, **Srijaya K Reddy²**, **Rahul K Shah²**,
Alexandra G Espinel²

¹Walter Reed National Military Medical Center, Bethesda, Maryland, ²Children's National Health System, Washington, DC

MCC 11 (2278) Intrathecal Baclofen Administration in the Stiff Man

Roxanna Rasekhi, Kenechukwu Okeke, Chane Price

University of Miami/Jackson Memorial hospital, Miami, Florida

MCC 12 (2243) Anticoagulation with Bivalirudin in a Complicated Patient with SMA Thrombosis Who Developed Heparin-Induced Thrombocytopenia and Thrombosis (HITT) and Failed Argatroban Therapy.

Ivet T Cordoba Torres

University of Miami, Jackson Health System, Miami, Florida

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 6 Poster Moderator(s):

Chanannait Paisansathan, MD, University of Illinois Hospital & Health Sciences, Chicago, Illinois

PA 31 (1392) Elevated Red Cell Distribution Width is a Prognostic Indicator in Elective Surgery

Justyna Bartoszko¹, **Stephanie Ladowski¹**, **Gordon Tait²**, **W. Scott Beattie²**, **Duminda N. Wijeyesundera²**

¹University of Toronto, Toronto, Ontario, Canada,
²Toronto General Hospital, Toronto, Ontario, Canada

PA 32 (1396) Red Cell Distribution Width Predicts Postoperative Events: Meta-Analysis

Justyna Bartoszko¹, **Alexandra Shingina¹**, **Stephanie Ladowski¹**, **Marina Englesakis²**, **Duminda N. Wijeyesundera¹**

¹University of Toronto, Toronto, Ontario, Canada
²University Health Network, Toronto, Ontario, Canada

PA 33 (1368) Documentation of Shared Decision Making in the Preoperative Surgical Note

Dmytro Pelipecyenko¹, **David MacDonald¹**, **Laura Boland²**, **Daniel I McIsaac¹**

¹University of Ottawa, Department of Anesthesiology and Pain Medicine, Ottawa, Ontario, Canada,
²University of Ottawa Department of Population Health, Ottawa, Ontario, Canada

PA 34 (1465) Impact of Intraoperative Hyperglycemia on Postoperative Outcomes

Nirav Shah, **Sachin Kheterpal**, **Aleda Thompson**,
Sathishkumar Subramaniam

University of Michigan, Ann Arbor, Michigan

Sunday, May 7 • Moderated Poster Discussion Sessions

PA 35 (1124) Postoperative Pulmonary Complications Not Increased With Combined Regional + General Anesthesia Compared To General Anesthesia Alone: A Sub-Analysis Of The Perioperative Research Network Study

Kristina Cogger¹, Gyorgy Frendl², Juraj Sprung³, Daryl J. Kor³, Bala Subramaniam⁴, Ricardo Martinez Ruiz⁵, Jae-Woo Lee⁶, William G. Henderson⁷, Angela Moss⁷, Niten Mehdiratta², Megan Colwell⁸, Karsten Bartels¹, Kerstin Kolodzie⁶, Jadelis Giquel⁵, Marcos Francisco Vidal Melo⁸, Ana Fernandez-Bustamante¹

¹University of Colorado School of Medicine, Aurora, CO, ²Brigham and Women's Hospital, Boston, Massachusetts, ³Mayo Clinic, Rochester, Minnesota, ⁴Beth Israel Deaconess Medical Center, Boston, Massachusetts, ⁵University of Miami, Palmetto Bay, Florida, ⁶University of California San Francisco, San Francisco, California, ⁷Adult and Children Outcomes Research and Delivery Systems, ⁸Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

PA 36 (1010) Preoperative Fluid Administration in Total Joint Arthroplasty Patients

Ahmed F. Attaallah, Matthew Dietz, Eric 'Jake' Lindstrom

West Virginia University, Morgantown, West Virginia

RES 70 (1442) Incidence of Respiratory Depression Following Inpatient Surgery

Weiyi Ni¹, Rami Ben-Joseph¹, Angela Meier², Francine Chingcuanco¹, Victoria Divino³, Mitch DeKoven³, Ronald Gordon²

¹Millennium Health, San Diego, California, ²University of California San Diego, San Diego, California, ³QuintilesIMS, Fairfax, Virginia

RES 71 (1894) Mediators of Neutrophil Activation in a Swine Model of Tracheal Injury

Carlos Puyo, Alexander Earhart, Nicholas Staten, Andrew Gelman, Carlos Puyo

¹Washington University St. Louis, St. Louis, Missouri

RES 72 (1805) Neutrophil Cytokines and Tlr9 Transcription during Endotracheal Intubation in a Swine Model

Carlos Puyo, Alexander Earhart, Nicholas Staten, Andrew Gelman, Carlos Puyo

Washington University St. Louis, St. Louis, Missouri

RES 73 (1930) Comparing the Effects of Laparoscopic and Open Abdominal Surgery on Postoperative Respiratory Complication, Readmission, Hospital Length of Stay and Costs: A Propensity Score-based Analysis

Maira I Rudolph¹, Vicki Sein², Sara M Burns¹, Megan B Zhang¹, Thomas H Shin¹, Matthias Eikermann¹

¹Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Department of Surgery, Massachusetts General Hospital, Boston, Massachusetts

RES 74 (1562) THRIVE Improves Oxygenation during OLV in Non-intubated VATS

Ya-Jung Cheng, Man-Ling Wang, Jin-Shin Chen, Ming-Hui Hung

National Taiwan University, Taipei, Taiwan

CA 75 (1243) Fast-Track Protocols – Has Quality Been Pushed To The Edge?

Carl-Johan Jakobsen¹, Pia K Ryhammer²

Aarhus University Hospital, Aarhus N, Denmark

RESPIRATION AND CARDIOVASCULAR ANESTHESIOLOGY

Moderated Poster Discussion Session-07 2:00 pm - 3:30 pm

Group 7 Poster Moderator(s):

Carlos Mantilla, MD, PhD, Mayo Clinic College of Medicine, Rochester, Minnesota

Roman Schumann, MD, Tufts University School of Medicine, Boston, Massachusetts

RES 69 (1571) A Case of Congenital Central Hypoventilation Syndrome Undergoing Implantation of Phrenic Nerve Stimulation for Diaphragm Pacing

Keiko Hirooka¹, Kotoe Kamata¹, Kumi Ono¹, Asami Ohashi¹, Shiro Horisawa², Takaomi Taira², Makoto Ozaki¹

¹Department of Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan, ²Department of Neurosurgery, Tokyo Women's Medical University, Tokyo, Japan

Moderated Poster Discussion Sessions • Sunday, May 7

CA 76 (1245) 30-Day Mortality Is A Poor Quality Indicator After Cardiac Surgery

Carl-Johan Jakobsen, Laura S Hansen

Aarhus University Hospital, Aarhus N, Denmark

REGIONAL ANESTHESIA AND TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-07

2:00 pm - 3:30 pm

Group 8 Poster Moderator(s):

Tom Krejcie, MD, Northwestern Memorial Hospital,
Chicago, Illinois

TCSEM 41 (1715) Principles of Augmentative and Alternative Communication System Design in the ICU Setting

Miriam A Goldberg¹, Leigh R Hochberg², Dawn Carpenter¹, Johnny Isenberger¹, Stephen O Heard¹, J. M. Walz¹

¹University of Massachusetts Medical School, Worcester, Massachusetts, ²Brown University, Providence, Rhode Island

TCSEM 42 (1920) Comparison of Oxygen Delivery Efficiency Using Continuous and Demand Oxygen Delivery

Derek Sakata, Kyle Burk, Joseph Orr

University of Utah, Salt Lake City, Utah

TCSEM 43 (1229) The Effects of Forced Air Warming on Air Flow Around Operating Table

Kazuhiro Shirozu¹, Tetsuya Kai², Hidekazu Setoguchi¹, Sumio Hoka³

¹Kyushu University Hospital, Fukuoka, Japan, ²Kyushu Medical Center, Fukuoka, Japan, ³Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

TCSEM 45 (2086) Difficult Airway Algorithm and Rescue Cricothyrotomy (DAARC) Program, to Standardize the VA Team Approach to Non-OR Airways

Jessica L Feinleib¹, Lynette Mark², Arthur French³, Viji Kurup⁴, Paul Flint⁵, Laeben Lester²

¹Yale University School of Medicine, New Haven, Connecticut, ²Johns Hopkins Hospital, Baltimore, Maryland, ³Veterans Administration Puget Sound Healthcare System, Seattle, Washington, ⁴Yale University School of Medicine, New Haven, Connecticut, ⁵Oregon Health & Science University, Portland, Oregon

RA 46 (1705) Capability of Handheld Ultrasound with 3D Algorithm Image Rendering to Determine Lumbar Puncture Level For Spinal and Epidural Placement

Priyanka Singla, David Scalzo, Abdullah Terkawi, Reza Salajegheh, Robin Hamill-Ruth, Mohamed Tiouririne

University of Virginia Health System, Charlottesville, Virginia

AIRWAY MANAGEMENT

Moderated Poster Discussion Session-08

4:00 pm - 5:30 pm

Group 1 Poster Moderator(s):

Irina Gasanova, MD, UT Southwestern Medical Center, Dallas, Texas

Tomoko Yorozu, MD, PhD, Kyorin University, School of Medicine, Mitaka City, Tokyo, Japan

AM 37 (1784) Peak Cervical Spinal Cord Strain Predictions are Affected by the Point of Force Application during Direct Laryngoscopy

Benjamin C Gadowski¹, Brad J. Hindman², Brandon G. Santoni³, Michael Todd⁴, Vincent C Traynelis⁵, Ricardo B. Fontes⁵, Christian M. Puttlitz¹

¹Colorado State University, Fort Collins, Colorado, ²University of Iowa, Iowa City, Iowa, ³Foundation for Orthopaedic Research and Education, Tampa, Florida, ⁴University of Minnesota, Minneapolis, Minnesota, ⁵Rush University, Chicago, Illinois

AM 38 (2200) Use of Nasal CPAP with the Supernova - Nasal Anesthesia Mask to Alleviate Airway Obstruction During Sedation for Ablation of Super Ventricular Tachycardia: A Case Report

Laeben Lester¹, Lynette Mark²

¹Johns Hopkins School of Medicine, Baltimore, Maryland, ²Johns Hopkins Hospital, Baltimore, Maryland

Sunday, May 7 • Moderated Poster Discussion Sessions

AM 39 (1350) Predictors of Difficult Intubation: A Prospective Study of 1351 Patients

Tiffany Moon, Yuri Volnov, Michael X. Gonzales, Agnes Kim, Charles S. Koshy¹, Abu Minhajuddin, Babatunde Ogunnaike

University of Texas Southwestern, Dallas, Texas

AM 40 (1073) High Reintubation Rate after Emergent Airway Management Outside the Operating Room

Uzung Yoon, Jeffrey Mojica, Matthew Wiltshire, Kara Seagna, Michael Block, Marc Torjman, Elizabeth Wolo

Thomas Jefferson University Hospital, Philadelphia, Pennsylvania

CA 65 (2199) Implication of LDL Receptors in the Development of Pulmonary Hypertension

Soban Umar, Mylene Vaillancourt, Christine Cunningham, Shayan Moazeni, Gregoire Ruffenach, Aman Mahajan, Mansoureh Eghbali

University of California at Los Angeles, Los Angeles, California

CA 66 (1542) Blood Pressure Management In Hypoplastic Left Heart Syndrome After Stage 1 Palliation: Is There A ST Instability-Dependent Optimal Blood Pressure?

Eric L. Vu, Craig G. Rusin, R. B. Easley, Kathy K. Kibler, Dean Andropoulos, Ken M. Brady

Baylor College of Medicine/Texas Children's Hospital, Houston, Texas

CA 67 (1981) Validation Of Transfusion Risk And Clinical Knowledge (TRACK) Tool In Cardiac Surgery Patients: A Retrospective Chart Review

Haesun Han¹, Gurleen Sidhu, Singh Nair, Stephanie Gilbert, Jonathan Leff

Montefiore Medical Center, Bronx, New York

CA 68 (2017) Targeting Matrix Remodeling In Pulmonary Arterial Hypertension

Jochen Steppan, Huilei Wang, Yohei Nomura, Sean Melucci, Larissa Shimoda, Daniel Berkowitz, Lakshmi Santhanam

Johns Hopkins University, Baltimore, Maryland

CARDIOVASCULAR ANESTHESIOLOGY AND PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-08 4:00 pm - 5:30 pm

Group 2 Poster Moderator(s):

Andrew D. Pitkin, MBBS, FRCA, University of Florida, Gainesville, Florida

Debra Pulley, MD, Barnes-Jewish Hospital/
Washington University School of Medicine in
St. Louis, St. Louis, Missouri

LB PA 62 (4231) A Preoperative Smoking Cessation Intervention Utilizing A Patient E-Learning Program

Jean Wong¹, Raviraj Raveendran², Junior Chuang², George Ho², Zeev Friedman¹, Frances Chung²

¹University of Toronto, Toronto, Ontario, Canada,

²Toronto Western Hospital, Toronto, Ontario, Canada

CA 63 (1672) Code Rupture Response Team For Ruptured Abdominal Aortic Aneurysms: The Umass Experience

James A Scott, Elifce Cosar, Andres Schanzer, J. M Walz

University of Massachusetts Medical School, Worcester, Massachusetts

CA 64 (1570) Change In Central Venous Pressure Following Passive Leg Raise Does Not Correlate with Transesophageal Echocardiography-Derived Indices of Right Ventricular Function

Kirsten R. Steffner, Aaron Mittel, May Hua, Jack Shanewise, Vivek Moitra, Jessica Spellman

Columbia University, New York, New York

CRITICAL CARE AND PATIENT SAFETY AND REGIONAL ANESTHESIA

Moderated Poster Discussion Session-08 4:00 pm - 5:30 pm

Group 3 Poster Moderator(s):

Jean Gabriel Charchafli, MD, MPH, DrPH,
Yale University School of Medicine, New Haven,
Connecticut

LB CC 47 (4184) Serial Heparin Binding Protein (HBP) Compared to SOFA, APACHE II, MODS and Charlson Scores as Predictors of Mortality in Critically Ill Septic Patients

Nora Abbas, Gamal Hamed, Amal Rezk, Talal Haggag, Dalia Ragab

Faculty of Medicine, Cairo University, Cairo, Egypt

Moderated Poster Discussion Sessions • Sunday, May 7

PS 48 (1051) Reversal of Fentanyl's Side Effects Using Calabadiol in Rats - A Novel Agent

Tharusan Thevathasan¹, Monica R K Gill¹, Oluwaseun Akeju¹, Shweta Ganapati², Lyle Isaacs², Matthias Eikermann¹, Joseph Cotten¹

¹Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, ²University of Maryland College Park, College Park, Maryland

PS 49 (1048) Intraoperative Neuromuscular Blocking Agent Administration And Hospital Readmission

Tharusan Thevathasan¹, Shirley Shih², Kyan C Safavi¹, David L Berger¹, Sara M Burns¹, Matthias Eikermann¹, Jeffrey C Schneider²

¹Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts, ²Massachusetts General Hospital, Spaulding Rehabilitation Hospital, Harvard Medical School, Boston, Massachusetts

LB PS 50 (4216) Shhh!!! Noise Conscientiousness in the Operating Room

Michael A Vega, Johnathan R Renew, Sorin Brull
Mayo Clinic Florida, Jacksonville, Florida

PS 51 (1371) Validation of Patient Safety Indicators at a Tertiary Hospital In Ontario

Gavin M Hamilton¹, Daniel I Mcisaac², Karim Abdulla¹, Christopher Pysyk¹, Husein Moloo¹, Luke T Lavallee¹, Alan J Forster¹

¹University of Ottawa, Ottawa, Ontario, Canada, ²Perioperative Health Systems and Outcomes Research, Ottawa, Ontario, Canada

LB CC 52 (4188) Up-Regulation of Mir-23a-3p Protects Septic Acute Lung Injury by Attenuating Endothelial Cell Apoptosis Through PI3K/PTEN/Akt Signaling Pathway In Mice

Wei Ruan, Suobei Li, Junmei Xu, Ruping Dai, Wenling Jian, Feng Xiao, Chan Chen
Second XiangYa Hospital, Changsha, Hunan, China

RA 53 (1232) A Retrospective Review Comparing Epidural Analgesia to Transverse Abdominis Plane Block with Liposomal Bupivacaine for Intra-Abdominal Cancer Surgery

Jose Soliz, Shannon Hancher-Hodges, Barbra Bryce Speer, Ian Lipski, Jackson Su, Joseph Chiang, Keyuri Popat

University of Texas MD Anderson Cancer Center, Houston, Texas

ECONOMICS, EDUCATION AND POLICY AND GLOBAL HEALTH

Moderated Poster Discussion Session-08 4:00 pm - 5:30 pm

Group 4 Poster Moderator(s):

Debra Schwinn, MD, University of Iowa, Iowa City, Iowa

Pavithra Ranganathan, MD, West Virginia University, Morgantown, West Virginia

GH 14 (1882) Effect of a Registered Nurse Anesthetist Training Program on Cesarean Sections at Multiple Levels of the Kenyan Healthcare System

Joseph R Starnes¹, Grace Umutesi Wa Mana², Kennedy Onyango³, Mark Newton⁴, Matthew D McEvoy²

¹Vanderbilt University School of Medicine, Nashville, Tennessee, ²Vanderbilt University Medical Center, Nashville, Tennessee, ³Maseno University School of Medicine, Maseno, Kisumu, Kenya ⁴Kijabe AIC Hospital, Kijabe, Kijabe, Nairobi, Kenya

GH 15 (1983) Monitoring Pediatric Perioperative Anesthesia Care and Mortality Rates in a Sample of Kenyan Hospitals: Initial Results from over 5,000 Cases

Bantayehu Sileshi¹, Savannah Hurt¹, Warren S. Sandberg², Matthew D. McEvoy¹, Mark Newton³

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt University, Nashville, Tennessee, ³Kijabe AIC Hospital, Kijabe, Kijabe, Nairobi, Kenya

ECP 16 (1343) Relationship between Anesthesia Type and Patients' Likelihood of Recommending Hospital

Elise Timtim¹, Avery Tung², David Glick²

¹Pritzker School of Medicine, University of Chicago, Chicago, Illinois, ²University of Chicago, Chicago, Illinois

Sunday, May 7 • Moderated Poster Discussion Sessions

EEP 17 (1554) Patient Characteristics and Contributing Factors to Adult Case Cancellations at a Large Academic Medical Center During an Eleven-Month Period In 2015-2016

Michael Yim, Niroop Ravula

University of California, Davis Medical Center, Sacramento, California

EEP 18 (1842) The Singular Career of Dr. T. Edward Costain (1862-1922): Homeopath, Anesthetist, "Martyr"

David Waisel

Boston Children's Hospital, Boston, Massachusetts

MCC 5 (2002) Grisel Syndrome: A Rare Pediatric Disease, It's Challenges and Anesthetic Management

Kavya Narayana Reddy, Kevin Colodner, Anna Korban, Shridevi Pandya Shah

Rutgers New Jersey Medical School, Newark, New Jersey

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-08

4:00 pm - 5:30 pm

Group 6 Poster Moderator(s):

Thomas Anthony Anderson, MD, PhD, Harvard Medical School, Boston, Massachusetts

MCC 6 (2130) Hemostasis Management in a Pediatric Patient with Hermansky-Pudlak Syndrome

Mary Rhee, Roberto Blanco, Benjamin Kloesel

University of Minnesota, Minneapolis, Minnesota

MCC 7 (1205) A Neuromonitoring Nightmare: Repeated Loss of Signal due to Middle Aortic Syndrome

Yonmee Chang, Andrew Matisoff

Children's National Medical Center, Washington, DC

MCC 8 (4183) Transesophageal Finding of Echo Density In Sinus of Valsalva Changes Surgical Procedure

David M Corda¹, Carl A Dragstedt², Gregory M Janelle¹

¹University of Florida College of Medicine, Gainesville, Florida, ²University of Florida College of Medicine, North Florida/South Georgia Veterans Administration, Lake City, Florida

MCC 9 (2007) A Case of Recurrent Clostridium Difficile Colitis in a Peripartum Female Treated with Fecal Microbiota Transplantation

Aimee Reilly¹, James A Scott²

¹University of Massachusetts Medical School, Worcester, Massachusetts, ²University of Massachusetts, Worcester, Massachusetts

MCC 10 (1341) Anesthetic Management of a Super-Morbidly Obese Patient for Ablation of Insulinoma

Lauren Rosenberg, Robert Whittington

Columbia University New York Presbyterian Hospital, New York, New York

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-08

4:00 pm - 5:30 pm

Group 5 Poster Moderator(s):

Shahzad Shaefi, MD, Harvard Medical School, Massachusetts General Hospital, Boston, Massachusetts

MCC 1 (1063) Serratus Plane Block with Dexamethasone for Chronic Post-mastectomy Pain Syndrome

Ivan Chew, Stephanie Jones

University of Texas Southwestern Medical Center, Dallas, Texas

MCC 2 (1444) The Supernova™ – for a Morbidly Obese Patient with OSA for Colonoscopy: A Case Report

Mike Pedro, Marco Gidaro

Einstein Medical Center Philadelphia, Philadelphia, Pennsylvania

MCC 3 (1463) ORIF of Left Radius in Patient with Autosomal Recessive Osteogenesis Imperfecta

Michael P Pence¹, Caroline Wright²

¹Walter Reed National Military Medical Center, Bethesda, Maryland, ²Children's National Medical Center, Washington, DC

MCC 4 (1080) Neuromodulatory Burst Therapy for Agent Orange Induced Peripheral Neuropathy

Roxanna Rasekhi¹, Chane Price², Kenekchukwu Okeke², Konstantinos D Sarantopoulos²

¹Jackson Memorial Hospital, Miami, Florida, ²University of Miami, Miami, Florida

Moderated Poster Discussion Sessions • Sunday, May 7

PAIN MEDICINE

Moderated Poster Discussion Session-08

4:00 pm - 5:30 pm

Group 7 Poster Moderator(s):

Honorio Benzon, MD, Northwestern Memorial Hospital, Chicago, Illinois

Markus Hollmann, MD, PhD, University of Amsterdam, Amsterdam, Netherlands

PM 7 (2122) First-In-Human Pharmacokinetics and Safety Study of Pf614: Orally Activated Oxycodone Prodrug

William K Schmidt¹, Daniel S Dickerson², Dennis M. Fisher³, D. L. Kirkpatrick¹

¹Ensycse Biosciences, San Diego, California, ²PRA Health Sciences, Lenexa, Kansas, ³P Less Than, San Francisco, California

PM 8 (1720) Longitudinal Pain Sensitivity Phenotyping Using Portable, Brief Bedside QST in Mastectomy Patients: Prediction of Persistent Postsurgical Pain

Kristin Schreiber, Natt Zinboonyahgoon, Gauri Vasudevan, Robert R Edwards

Brigham and Women's Hospital, Boston, Massachusetts

PM 9 (1279) The Effect of Lumbar Epidural Steroids Injection on Postherpetic Neuralgia

Seyyed Ali Shariati

Department of Anesthesiology, Dezful, Iran

PM 10 (1873) Moving Beyond Dose and Demand Counts: Development of a Novel PCA Analytical Software Toolbox

Patrick J Tighe, Zach Quicksall, Shruthi Gopalswamy, Parisa Rashidi

University Of Florida, Gainesville, Florida

PM 11 (2008) The Space Between: Characterization of PCA Behavioral Patterns via Geometric and Exponential Distributions of Dose and Demand

Patrick J. Tighe¹, Shruthi Gopalswamy¹, Zachary S. Quicksall², Andrea Castro Cara¹, Justine N. Nicholas¹, Parisa Rashidi¹

¹University of Florida, Gainesville, Florida, ²University of Illinois at Urbana-Champaign, Urbana, Illinois

PM 12 (2236) Chiari Malformation Type 1 and Pain Management of Chronic Headache: A Literature Review

Ayesha Hameed, Michelle Kars

Northwell Health System, New Hyde Park, New York

PEDIATRIC ANESTHESIOLOGY AND TRAUMA

Moderated Poster Discussion Session-08

4:00 pm - 5:30 pm

Group 8 Poster Moderator(s):

Olubukola Nafiu, MD, University of Michigan Hospitals and Health Centers, Ann Arbor, Michigan

PED 26 (2137) Biomarkers of Infant Anesthesia Neurotoxicity

Vince Hsieh¹, David Jardine²

¹Seattle Children's Hospital, Seattle, Washington,

²University of Washington, Seattle, Washington

PED 27 (1488) Predicting Poor Outcomes Following Pediatric Hepatectomy

Daniel Sisti¹, Joseph Lee², Gildasio De Oliveira³, Ricardo Superina¹, Eric Cheon¹

¹Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois, ²Northwestern University, Evanston, Illinois, ³Northwestern University Feinberg School of Medicine, Chicago, Illinois

PED 28 (1330) A Systematic Review of Postoperative Pain Outcomes in Pediatric and Adolescent Patients

Michael S Moore, Andrew Ross, Jeff Young, Matt Vassar, Riley Hedin

Oklahoma State University, Tulsa, Oklahoma

PED 29 (1529) The Under Accounted for Role of Hypercarbia and Hypoxia in the Neonatal Rodent Models of Anesthesia-Related Developmental Delay

Ryan Lamm, Kseniya Khmara, Thomas F Floyd

Stony Brook University, Stony Brook, New York

T 30 (1143) Pediatric Thoracic Trauma in Iraq and Afghanistan

Ryan Keneally¹, Cynthia H Shields¹, Albert Hsu¹, Michael S Albergo¹, Sara S Cooper¹, Kevin M Creamer²

¹Uniformed Services University of the Health Sciences, Bethesda, Maryland, ²George Washington University School of Medicine, Washington, DC

Daily Poster Schedule-at-a-Glance

6:30 am – 7:30 am	Setup of Posters for Moderated Poster Discussion Session-09
7:30 am – 9:00 am	Moderated Poster Discussion Session-09
9:00 am – 9:30 am	Removal of Posters for Moderated Poster Discussion Session-09 Setup Posters for Moderated Poster Discussion Session-10 and Moderated Poster Discussion Session-11
9:30 am – 11:00 am	Moderated Poster Discussion Session-10
11:30 am – 1:00 pm	Moderated Poster Discussion Session-11
1:00 pm – 2:00 pm	Removal of Posters for Moderated Poster Discussion Session-10 and Moderated Poster Discussion Session-11 Setup of Posters for Moderated Poster Discussion Session-12 and Moderated Poster Discussion Session-13
2:00 pm – 3:30 pm	Moderated Poster Discussion Session-12
4:00 pm – 5:30 pm	Moderated Poster Discussion Session-13
5:30 pm – 6:30 pm	Removal of Posters for Moderated Poster Discussion Session-12 and Moderated Poster Discussion Session-13

AIRWAY MANAGEMENT

Moderated Poster Discussion Session-09 7:30 am - 9:00 am

Group 1 Poster Moderator(s):

Sylvia Wilson, MD, Medical University of South Carolina, Charleston, South Carolina

Yaacov Gozal, MD, Hebrew University-Hadassah Medical School, Saare Zedek Medical Center, Jerusalem, Israel

AM 1 (1544) Difficult Airway Response Team (DART) Program and ACE-Inhibitor Induced Angioedema: The Who, What, When, Where, Why and How of Management

Julie Wyrobek, Laeben Lester, Lynette Mark

Brigham and Women's Hospital, Boston, Massachusetts, ²Johns Hopkins Hospital, Baltimore, Maryland

AM 2 (1085) Airway Management Choices in Head and Neck Cancer Patients: A Retrospective Analysis

Nishkarsh Gupta, Rakesh Garg, Vinod Kumar, Sachidanand Jee Bharti, Sushma Bhatnagar, Seema Misra

DRBRAIRCH, All India Institute of Medical Sciences, Delhi, India

AM 4 (2132) Safety Concern about Transoral Endoscopic Thyroidectomy: Airway Crisis due to Acute Postoperative Neck Hematoma

Kuo Mao Lan, I-Yin Hung, Ming Yew, Ming-Chung Lin, Chung-Hsi Hsing

Chi Mei Medical Center, Tainan, Taiwan

AM 5 (1311) Anesthetic Management in Surgical Airways - Quomodo?

Katherine Knight, Naveen Eipe

The Ottawa Hospital, Ottawa, Ontario, Canada,

GLOBAL HEALTH, PAIN MEDICINE AND TRAUMA

Moderated Poster Discussion Session-09 7:30 am - 9:00 am

Group 2 Poster Moderator(s):

Lucy Chen, MD, Harvard Medicine School, MGH Center for Pain Medicine, MGH Center for Translational Pain Research, Massachusetts General Hospital, Boston, Massachusetts

LB GH 75 (4190) The Global Warming Effects of Sevoflurane and Desflurane at Health Sciences North, Sudbury, Ontario, Canada

Sanjiv Mathur, Fady Ebrahim

Health Sciences North, Sudbury, Ontario, Canada

Moderated Poster Discussion Sessions • Monday, May 8

LB PM 76 (4210) Roles of Esmolol in Postoperative Analgesia and Anesthetic Consumption

Xiangyi Kong¹, Jingping Wang²

¹Massachusetts General Hospital, Boston, Massachusetts, ²Massachusetts General Hospital, Boston, Massachusetts

LB PM 77 (4200) Post-Operative Pain Management of Orthotopic Liver Transplantation (OLT): Retrospective Study

Hussein Sadkhan¹, Qutaiba Tawfiq¹, Achal Dhir¹, Karim Qumosani¹, Stephen Morrison¹, Kamal Kumar², Kevin Armstrong¹

¹London Health Sciences Centre, London, Ontario, Canada, ²Victoria Hospital, London, Ontario

T 78 (1178) TEG R-Time is Disproportionately Sensitive to Factors VIII and IX

Kevin Blaine, Khanh Nghiem, Jay Lozier

National Institutes of Health Clinical Center, Bethesda, Maryland

T 79 (1957) Does Lactate Modify the Relationship of Early Hyperglycemia and Multiple Organ Failure in Critically Ill Trauma Patients?

Justin E Richards¹, Thomas M Scalea¹, Michael A. Mazzeffi¹, Peter Rock², Samuel Galvagno²

¹University of Maryland School of Medicine, Baltimore, Maryland, ²University of Maryland Baltimore, Baltimore, Maryland

PM 80 (1462) Evaluation of Diabetic Autonomic Neuropathy using Pupillometry in a Pediatric Population: A Pilot Study

Kevin G Jackson, Raissa Q Nobrega, John Yin, Fran Cogen, Julia Finkel

Children's National Medical Center, Washington, DC

LIVER

Moderated Poster Discussion Session-09

7:30 am - 9:00 am

Group 3 Poster Moderator(s):

Michael Andreae, MD, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York

Julie Huffmyer, MD, University of Virginia, Charlottesville, Virginia

L 20 (1159) Metabolomic Profiling of Post-Reperfusion Coagulopathy in Liver Transplantation

Nathan Clendenen, Kirk Hansen, Angelo D'Alessandro, Nathaen Weitzel

University of Colorado, Aurora, Colorado

L 21 (2269) Albi Score as a Prognostic Tool for Acute Posthepatectomy Liver Failure

Magna C. Fortunato Silva, Ana R. Teles, Marta Campos

Hospital Sao Joao, Porto, Portugal

L 22 (2280) Meld Score And Meldna Variation At Day 1 After Elective Liver Surgery: A Retrospective Study

Magna C. Fortunato Silva, Ana R. Teles, Marta Campos

Hospital Sao Joao, Porto, Portugal

L 23 (2145) Novel Genes Associated With Drug-Induced Liver Injury

Alyssa R. Padover¹, Merylin Cottagiri², Connover Talbot³, **Dolores B. Njoku²**

¹Johns Hopkins, Baltimore, Maryland, ²Johns Hopkins University, Baltimore, Maryland, ³Johns Hopkins School of Medicine, Baltimore, Maryland

L 24 (1910) Sevoflurane Provides Protection In Hepatic Ischemia-Reperfusion Injury by Decreasing Ros-Induced Apoptosis In Hepatocytes

Martin Schlapfer¹, Birgit Roth Z'Graggen², Erik Schadde², Beatrice Beck-Schimmer¹

¹University Hospital Zurich, Zurich, Switzerland, ²University Zurich, Zurich, Switzerland

L 25 (1318) The Relationship Between Postoperative Serum Albumin Level And Organ Dysfunction Aft

Kazumasa Hiroi, Takashi Matsusaki, Vika Lemoto, Ryuji Kaku, Hiroshi Morimatsu

Okayama Medical University Hospital, Okayama, Japan

Monday, May 8 • Moderated Poster Discussion Sessions

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-09

7:30 am - 9:00 am

Group 4 Poster Moderator(s):

Bala Subramaniam, MD, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Mark Phillips, MD, University of Alabama at Birmingham, Birmingham, Alabama

MCC 1 (1646) Perioperative Challenges of Monitoring Direct Oral Anticoagulants: A Case Report of Apixaban Induced Coagulopathy in a Patient Undergoing Spine Surgery – Is There a Role for Viscoelastic Testing?

Joseph A. Kundukulam, Vijaykumar Tarnal, Sathishkumar Subramaniam

¹University of Michigan Health System, Ann Arbor, Michigan

MCC 2 (1641) Mortality in the Immediate Post-Operative Period Following Transcatheter Aortic Valve Replacement. Beware the Suicide Ventricle

Kathryn J Flavin¹, Beth Webber¹, Edward Maratea²

¹Jackson Memorial Hospital, Miami, Florida, ²University of Miami, Miami, Florida

MCC 3 (1738) Intraoperative Cardiac Arrest Following Administration of Feiba for Treatment of Post Cardiopulmonary Bypass Bleeding

Travis Melin, Ed Kahl

Oregon Health and Science University, Portland, Oregon

MCC 4 (1199) Nasal CPAP Mask Oxygenation in an Obese Patient with OSA/Tracheal Stenosis during EGD

Ryan Sison, Adeline Kim, Nkiruka Udodi, Sylviana Barsoum, **James Tse**

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MCC 5 (1200) Continuous Nasal Oxygenation in a Patient with Williams Syndrome during Ga Induction

James Tse William Grubb, Esther Ogunyemi, Huy Nguyen

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MCC 6 (1119) Case Report: Airway and Anesthetic Management of Massive Hemorrhage from Aspergilloma

Minh T. Chu, Ryan Senecal, Courtney Williams

University of Texas Medical Branch, Galveston, Texas

NEUROSCIENCE IN ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Moderated Poster Discussion Session-09

7:30 am - 9:00 am

Group 5 Poster Moderator(s):

Debra Schwinn, MD, University of Iowa, Iowa City, Iowa

NR 31 (1282) Changes in the Propofol-Induced Frontal Electroencephalogram in Pediatric Patients with Autism Spectrum Disorder

Elisa Walsh¹, Patrick L Purdon², Emery N Brown³

¹Harvard Medical School, Brookline, Massachusetts,

²Massachusetts General Hospital, Charlestown, Massachusetts, ³Massachusetts General Hospital, Cambridge, Massachusetts

NR 32 (1725) Perioperative Management of a Patient with Takotsubo Cardiomyopathy and Subarachnoid Hemorrhage from Aneurysmal Rupture of Vertebral Artery for Endovascular Pipeline Embolization Procedure

Sheila Buan¹, Joseph Hinchey², Dhamodaran Palaniappan²

¹University of Connecticut, Farmington, Connecticut,

²Hartford Hospital, Hartford, Connecticut

NR 33 (1635) Effects of Metabotropic Glutamate Receptor Blockers on Ketamine and Dexmedetomidine Induced Neonatal Brain Injury in a Rat Model

Tinatin Chabrashvili¹, James Marchand², Jesus Azocar³, Antonella Pirone¹, Roman Schumann¹, **Ruben Azocar¹**

¹Tufts Medical Center, Tufts University School of Medicine, Boston, Massachusetts, ²University of Michigan at Ann Arbor, Ann Arbor, Michigan, ³Tufts Medical Center, Boston, Massachusetts

Moderated Poster Discussion Sessions • Monday, May 8

LB NR 34 (4197) Longitudinal Structural and Functional Mri Study of Infant Brain Development in the Setting of Anesthesia and Prolonged Sedation

Chandler R. Mongerson¹, Hannah W. Kilcoyne², Sophie L. Wilcox², Russell W. Jennings², Patricia E. Grant², Lino Becerra², Dusica Bajic²

¹Boston University School of Medicine, Boston, Massachusetts, ²Boston Children's Hospital, Boston, Massachusetts

LB NR 35 (4224) Assessment of Non-Neurosurgical Complications in Traumatic Neurosurgical Patients Admitted in ICU: a Prospective Observational Study

Gaurav S. Tomar, Keshav Goyal, Girija P. Rath

¹All India Institute of Medical Sciences, New Delhi, Delhi, India

LB NR 39 (4217) Abnormal MicroRNA Profiles Might Contribute to Mitochondrial Fission-Mediated Developmental Neuroapoptosis in Mouse Brain Conferred by Propofol

Xiaowen Bai, Yasheng Yan, Sarah Logan, Ivan Zaja, Zeljko Bosnjak, Xiaowen Bai

¹Medical College of Wisconsin, Milwaukee, Wisconsin

NR 40 (1104) Complexity of Individual Brain Activity along the Peri-Anesthetic Trajectory

Joshua S. Mincer, Prantik Kundu, Mark G. Baxter, Stacie G. Deiner

Icahn School of Medicine at Mount Sinai, New York, New York

Group 6 Poster Moderator(s):

Robert Whittington, MD, Columbia University New York Presbyterian Hospital, New York, New York

NR 36 (1584) Deep Hypothermic Circulatory Arrest Does Not Induce RNA-Binding Motif Protein 3 (RBM3) in Hippocampus in Adult Rats

Tomas Drabek¹, Elizabeth Snajdar², Jason P Stezoski¹, Kyle S Simqu³, Patrick M Kochanek¹, Travis C Jackson¹

¹University of Pittsburgh, Pittsburgh, Pennsylvania, ²Ohio University, Dublin, Ohio, ³Kent State University, Kent, Ohio

NR 37 (2058) Ketamine Reduces Post-Traumatic Brain Injury Neurogenesis and Improves Outcomes in Mice

Austin Peters, Laura E. Villasana, Eric Schnell

Oregon Health and Science University, Portland, Oregon

LB NR 38 (4232) Dexmedetomidine as a Sleep Mimetic Agent: A Randomized Controlled Crossover Trial

Lei Gao¹, Lauren Hobbs¹, Kara Pavone¹, Emery N. Brown², Oluwaseun Johnson-Akeju³

¹Massachusetts General Hospital, Boston, Massachusetts, ²Massachusetts General Hospital, Cambridge, Massachusetts, ³Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

PATIENT SAFETY

Moderated Poster Discussion Session-09 7:30 am - 9:00 am

Group 7 Poster Moderator(s):

Makoto Ozaki, MD, PhD, Tokyo Women's Medical University, Shinjuku, Tokyo, Japan

Pavithra Ranganathan, MD, West Virginia University, Morgantown, West Virginia

PS 63 (1251) Changing Default Anesthesia Ventilator Settings Increases Lung Protective Ventilation

Sunny Chiao¹, Bhiken Naik¹, Edward Nemergut¹, Marcel Durieux¹, Randal Blank¹, Douglas Colquhoun², Katherine Forkin¹

¹University of Virginia, Charlottesville, Virginia, ²University Of Michigan, Ann Arbor, Michigan

PS 64 (1360) Novel Automated SSEP Monitoring Device for Prevention of Peripheral Nerve Injury

Jason Chui¹, John M Murkin, Darren Drosdowech

¹University of Western Ontario, Canada, London, Ontario, Canada

PS 65 (1088) Perioperative Medication Administration: Understanding the Magnitude of Medication

Germaine Cuff, Samir Kendale, **David Fealey**, Andrew Rosenberg

¹New York University School of Medicine, New York, New York

Monday, May 8 • Moderated Poster Discussion Sessions

PS 66 (1919) Risk Factors for Dental Outpatient Anesthesia and Sedation Procedures Derived from Deaths Reported in the Public Domain

Raymond A. Dionne¹, John Dovgan², Pankaj Goyal³

¹East Carolina University, Greenville, North Carolina,

²Private Dental Practice, Phoenix, Arizona, ³Midwestern University, Glendale, Arizona

PS 67 (2020) What Are The Characteristics Of Patients Who Want Perioperative Music Therapy?

Breanna Polascik¹, Marisa Kuo¹, Atilio Barbeito², William E Bryan³, Marc Pepin³, Charles M Belden³, Karthik Raghunathan¹

¹Duke University, Durham, North Carolina, ²Duke University Medical Center, Durham, North Carolina,

³Durham Veterans Administration Medical Center, Durham, North Carolina

PS 68 (1549) Trends of Intraoperative Opioid and Non-Opioid Analgesic Use and Associated Postoperative Pain Scores at an Academic Tertiary Care Hospital Over a Four-Year Period.

Gregory A Smith¹, Marcel Durieux¹, Bhiken Naik¹

¹University Of Virginia, Charlottesville, Virginia

PED 12 (1594) Effect of Inhalational Induction with Sevoflurane on QTC in Children with Congenital Heart Disease or Orthotopic Heart Transplant

Heidi M. Boules, Jaime L. Bozentka, Christopher Janson, Madelyn Kahana, Erin L. Baier, Sheldon Goldstein, Helena Hao Wu

Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York

PED 13 (1121) Mitochondrial cAMP-dependent Phosphorylation in the Developing Murine Brain

Yang Long, Aili Wang, **Richard J. Levy**

Columbia University, New York, New York

PED 14 (1494) Reversal of Neuromuscular Blockade with Sugammadex in an Infant with Epidermolysis Bullosa

Lia F. Alvarez, Ilana Fromer

University of Minnesota, Minneapolis, Minnesota

PED 15 (1329) Epidemiology of Arterial Line Use in Pediatric Patients

Matthew Monteleone¹, Timothy Cheng¹, Lena Sun²

¹Columbia University, New York, New York, ²Columbia University College of Physicians and Surgeons, New York, New York

PEDIATRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-09

7:30 am - 9:00 am

Group 8 Poster Moderator(s):

Peter Davis, MD, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

Hiroshi Otake, MD, PhD, Showa University School of Medicine, Tokyo, Japan

PED 11 (2105) Quantitative MRI Study Evaluating Prolonged Sedation on the Brain Growth in Infants Younger than 6 Months

Dusica Bajic, David M. Gilman, Hannah W. Kilcoyne, Sophie L. Wilcox, Russell W. Jennings, Patricia E. Grant

Boston Children's Hospital, Boston, Massachusetts

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-09

7:30 am - 9:00 am

Group 9 Poster Moderator(s):

Markus Hollmann, MD, PhD, University of Amsterdam, Amsterdam, Netherlands

LB PA 41 (4212) Lower Intra-Abdominal Pressures Have No Cardiopulmonary Benefits During Laparoscopic Surgery: A Double-Blind, Randomized Controlled Trial

Hyongmin Oh, Youn Joung Cho, Ji Won Park, Seung-Young Jung, Jeong-Hwa Seo, Yunseok Jeon, Kook Hyung Lee

Seoul National University Hospital, Seoul, Republic of Korea

Moderated Poster Discussion Sessions • Monday, May 8

LB PA 42 (4205) Association of Preoperative Smoking Abstinence Duration to the Intraoperative Hemodynamic Variability, Postoperative Pain and Length of Hospital Stay: Prospective Cohort Study

Mohsin N Butt¹, Gauhar Afshan²

¹The Aga Khan University Hospital Karachi, Pakistan, Karachi, Sindh, Pakistan, ²Aga Khan University, Karachi, Sindh, Pakistan

PA 47 (1175) Cocaine Use and Intraoperative Hemodynamic Outcomes: A Retrospective Analysis

Tiffany Moon, Michael X. Gonzales, Joshua J. Sun, Louise A. Gliga, Pamela E. Fox, Abu Minhajuddin, Babatunde Ogunnaiké

University of Texas, Southwestern Medical Center, Dallas, Texas

PA 48 (1987) Synergistic Effect of Bupivacaine and Meloxicam In Htx-011: Animal and Clinical Studies

Erol Onel, Thomas Ottoboni, Clynn Wilker, Alice Chu, Sanjay S Patel, Barry Quart

¹Heron Therapeutics, San Diego, California

Group 10 Poster Moderator(s):

Debra Pulley, MD, Barnes-Jewish Hospital/Washington University, Barnes-Jewish West County Hospital, St. Louis, Missouri

PA 43 (1696) Incidence of Acute Kidney Injury (AKI) Following Elective Primary Total Knee Replacement (TKR) In Patients on an Enhanced Recovery Programme (ERP)

Emma Finlay, Cathryn Eitel, Denzil Bilcock, Michael P. Margaron, Harold Akehurst, Bessie Ayres

¹St. Richard's Hospital, Chichester, West Sussex, England

PA 44 (2246) Effect of Neuromuscular Blockade on Pulse Pressure Variation in Anesthetized, Mechanically Ventilated Patients

Hesham Ezz¹, John J Savarese², Paul M Heerdt¹

¹Yale University School of Medicine, New Haven, Connecticut, ²Weill Cornell Medical College, New York, New York

PA 45 (1037) A Systematic Review of Perioperative Interventions to Improve Outcomes in Frail Elderly Patients Having Surgery

Daniel I McIsaac², Tim Ting Han Jen¹, Nikhile Mookerji¹, Abhilasha Patel¹, Manoj M Lalu²

¹University of Ottawa, Ottawa, Ontario, Canada

²University of Ottawa, The Ottawa Hospital Research Institute, Ottawa, Ontario, Canada

PA 46 (1256) Prehabilitation Before Cancer Surgery to Improve Patient Function in Frail Elderly

Daniel I McIsaac¹, Husein Moloo², Luke T. Lavallee², Julie Nantel², Gregory L. Bryson³, Sylvain Gagne², Colin McCartney²

¹Perioperative Health Systems and Outcomes

Research, Ottawa, Ontario, Canada ²University of Ottawa, Ottawa, Ontario, Canada ³The Ottawa Hospital, Ottawa, Ontario, Canada

MEDICALLY CHALLENGING CASES

**Moderated Poster Discussion Session-10
9:30 am - 11:00 am**

Group 1 Poster Moderator(s):

Richard Dutton, MD, MBA, US Anesthesia Partners, Dallas, Texas

Vinodkumar Singh, MD, University of Alabama at Birmingham, Birmingham, Alabama

MCC 1 (1601) 74 Year Old Patient with a Resting Heart Rate of 31 Presenting for Elective Surgery: A Case Report and Anesthetic Considerations

Demetri Adrahtas, Syed Azim

Stony Brook University Hospital, Stony Brook, New York

MCC 3 (1015) Review of Anterior Spinal Artery Syndrome in the Parturient

Adam N Romman, Thien Truong, Husong Li

University of Texas Medical Branch, Galveston, Texas

MCC 4 (1593) Awake Craniotomy And Obstructive Sleep Apnea: Case Report And Anesthetic Considerations

Michael A. Chyfet, L.Z. Meng

Yale University, New Haven, Connecticut

MCC 5 (1811) Pneumonectomy After Trauma and Complex Airway Management in the Critical Care Setting

Andrew Cook¹, Roman Dudaryk², Jack Louro³

¹Jackson Memorial Hospital, Miami, Florida, ²University of Miami, Miami, Florida, ³University of Miami Miller School of Medicine/Jackson Memorial Hospital, Miami, Florida

Monday, May 8 • Moderated Poster Discussion Sessions

Group 2 Poster Moderator(s):

Sher-Lu Pai, MD, Mayo Clinic, Jacksonville, Florida

Apolonia Abramowicz, MD, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York

MCC 6 (2160) A Shocking Way to Desaturate: ECT-Associated Hypoxemia

Alexander Coons, Joshua Sappenfield, Jeffrey D. White
University of Florida, Gainesville, Florida

MCC 7 (1095) Allan-Herndon-Dudley Syndrome and General Anesthesia

Mark Goldfinger, Sherryl Adamic
University Hospitals Cleveland Medical Center, Cleveland, Ohio

MCC 8 (2256) Acute Management of Pheochromocytoma Complicated by Tako-Tsubo Cardiomyopathy

Grace A. Cruz, John Moss
Mayo Clinic Jacksonville, Jacksonville, Florida

MCC 9 (1014) How Rescue Echocardiography Changed Management of an Obese Patient

Vilma Ortiz, Connie Wang, Kenneth Shelton
Massachusetts General Hospital, Boston, Massachusetts

OBESITY/PATIENT SAFETY

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 3 Poster Moderator(s):

Olubukola Nafiu, MD, University of Michigan Hospitals and Health Centers, Ann Arbor, Michigan

Mark Rice, MD, Vanderbilt University, Nashville, Tennessee

O 1 (2159) Prospective, Double Blind, Placebo Control, Study of Acetaminophen IV on Hospital Length of Stay in Morbidly Obese Individuals Undergoing Elective Laparoscopic Sleeve Gastrectomy

Farrell E Cooke¹, Peter Goldstein¹, Alfons Pomp¹, Xian Wu³

¹Weill Cornell Medical College, New York, New York,

²New York Presbyterian/Weill Cornell Medical Center, New York, New York

O 2 (1451) Morbid Obesity is Not a Risk Factor for Difficult Intubation

Tiffany Moon, Michael X. Gonzales, Yuri Volnov, Joshua J. Sun, Agnes Kim, Pamela E. Fox, Babatunde Ogunnaike

University of Texas, Southwestern, Dallas, Texas

O 3 (1007) Role Of Dexmedetomidine in Bariatric Surgery

Pavithra Ranganathan, Mathew B. Ellison, Michael Ritchie, Daniel C. Sizemore, Ahmed Attaallah, Michael Regier

West Virginia University, Morgantown, West Virginia

O 4 (1701) Safety and Efficacy of Bariatric Surgery in Elderly - A Retrospective Analysis

Satish Vembu¹, Singh Nair¹, Annelisa Tucker¹, Celina Joco¹, Sujay Joseph¹, Joseph Vazzana¹, Ellise Delphin²

¹Montefiore Medical Center, Bronx, New York,

²Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, New York

PS 5 (1868) Actual NPO Times for Solids and Liquids at a University-Affiliated Outpatient Surgical Center: Assessment of Patient Comfort

Michael Smith, Jeffrey D White

University of Florida, Gainesville, Florida

PAIN MECHANISMS AND PAIN MEDICINE

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 4 Poster Moderator(s):

Lucy Chen, MD, Harvard Medical School, MGH Center for Pain Medicine, MGH Center for Translational Pain Research, Massachusetts General Hospital, Boston, Massachusetts

PME 64 (1995) Gender Influences Analgesic Response to Periaqueductal Gray Dopamine Neuron Stimulation by DREADDs in Male and Female Mice

Norman E. Taylor², JunZhu Pei¹, Ksenia Y. Vlasov¹, Ken Solt², Emery N. Brown³

¹Massachusetts Institute of Technology, Cambridge, Massachusetts, ²Massachusetts General Hospital, Boston, Massachusetts, ³Massachusetts General Hospital, Cambridge, Massachusetts

Moderated Poster Discussion Sessions • Monday, May 8

PME 65 (1500) The Chronic Effects of Nicotine on Pain Sensitivities and on Neuropathic Pain in Adult Rats

Angelica M. Jaramillo, Jeimy Alfonso, Yiliam F. Rodriguez Blanco, Keith A. Candiotti, Yanping Zhang

¹Department Of Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida

PME 66 (1598) Yokukansan, Japanese Herbal Medicine, Suppresses the Substance P-Induced Production of IL-6 And IL-8 by Human U373mg Glioblastoma/Astrocytoma Cells

Keisuke Yamaguchi

Juntendo Tokyo Koto Geriatric Medical Center, Koto-ku, Tokyo, Japan

PME 67 (1169) Retrospective Analysis of Factors Responsible for Chronic Pain After Hernia Repair

Khalood Khalfan A. Maamari, Naresh K. Kaul, Rashid M. Khan, Rashid Al Razaiki

Khoula Hospital, Muscat, Oman

PM 68 (1883) Percutaneous Balloon Compressions Of Gasserian Ganglion In The Treatment Of Trigeminal Neuralgia: A Prospective Study

Sahitya Ambesh¹, Sushil P Ambesh²

¹King George's Medical University, Lucknow, Uttar Pradesh, India, ²Sanjay Gandhi Postgraduate Institute of medical Sciences, Lucknow, Uttar Pradesh, India

PM 69 (1807) Pupilometry as a Method for Evaluation of Postural Orthostatic Tachycardia Syndrome: A Pilot Study

Benjamin C. Greenspun, Kevin G. Jackson, Raissa Nobrega, John Yin, Elizabeth Bettini, Zenaide Quezada, Julia Finkel

Children's National Medical Center, Washington, DC

PED 6 (1679) Neonatal Appendicitis: A Baby Appy Makes Anesthesiologists Unhappy!

Megan E. Campion, Ali I Kandil

Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

PED 7 (1055) Neuraxial Anesthesia in Children with Ventriculoperitoneal Shunts

Anthony Longhini¹, **John Hajduk²**, Patrick Birmingham², Eric Cheon²

¹McGaw Medical Center of Northwestern University, Chicago, Illinois, ²Ann & Robert H. Lurie Children's Hospital, Chicago, Illinois

PED 8 (1731) A Comparison of Midazolam and Zolpidem as Oral Premedication in Children, a Randomized Control Trial

Amgad Hanna¹, Patrick Leiter², Brihanna H. Austin², Davinder H. Ramsingh², Richard Applegate³

¹Loma Linda University, Loma Linda, California, ²Loma Linda University Medical Center, Loma Linda, California, ³University of California Davis School of Medicine, Sacramento, California

PED 9 (1668) Early Neurodevelopmental Outcomes following Exposure to General Anaesthesia in Infancy: EGAIN, a Prospective Cohort Study

Duncun Ho², Choon L Bong¹, Josephine S. Tan¹, John Allen², Woon P. Koh², Michael Meaney³, Anne Rifkin-Graboi³

¹KK Women's and Children's Hospital, Singapore, Republic of Singapore, ²Duke-NUS Graduate Medical School, Singapore, Republic of Singapore, ³Singapore Institute for Clinical Sciences, Singapore, Republic of Singapore

PED 10 (1413) The Effect of Dexmedetomidine on Hospital Length of Stay after Same Day T&A in Children

Constance S. Houck, Sean Sinnott, Nissa Askins, Patcharee Sriswasdi, Joseph Cravero

Boston Children's Hospital, Boston, Massachusetts

PED 11 (1583) Comparison of TruView PCD & C-MAC Video Laryngoscopes for Tracheal Intubation in Infants with Normal Airways

Anju Gupta¹, Geeta Kamal¹, Sapna Bathla¹, Aekta Gupta¹, Anup Mohta², Nishkarsh Gupta³

¹Chacha Nehru Bal Chikitsalya, New Delhi, Delhi, India, ²Chacha, New Delhi, Delhi, ³DRBRAICH, All India Institute of Medical Sciences, Delhi, Delhi, India

PEDIATRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 5 Poster Moderator(s):

J. Lance Lichtor, MD, University of Massachusetts Medical School, Worcester, Massachusetts

Monday, May 8 • Moderated Poster Discussion Sessions

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 6 Poster Moderator(s):

John Sear, PhD, MA, BSc, MBBS, PhD, FFARCS,
FANZCA, University of Oxford, Oxford, England

PA 20 (1809) Alleviating Pre-Operative Anxiety through Patient Education with Innovative 360° Immersive Virtual Reality – Work in Progress

Fahad Alam¹, Clyde Matava², Vicki LeBlanc³, Jordan Tarshis¹

¹Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, ²Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, ³University of Ottawa, Ottawa, Ontario, Canada

PA 21 (1149) Inhaled Remimazolam is Efficacious and Non-irritating in Rodents

Tatjana Bevans, Cassandra Deering-Rice, Christopher Reilly, Derek Sakata

University of Utah, Salt Lake City, Utah

PA 22 (1501) Reducing Post-Operative Pain Scores in Patients at Risk for Poor Pain Control through Perioperative Workflow Redesign

Jeanna Blitz, Shengping Zou, Sudheer Jain, Christopher DeNatale, Lisa Doan, Samir Kendale

New York University School of Medicine, New York, New York

PA 23 (2118) Goal-Directed Fluid Therapy in the Era of ERAS: A Systemwide Pragmatic QI Initiative Aimed at Enhancing the Intraoperative Care of Patients Undergoing Elective Surgery

Joshua A. Bloomstone¹, Ryan C Hutchison², Douglas Eckhardt²

¹Valley Anesthesiology Consultants, Inc., Phoenix, Arizona, ²Banner Health, Phoenix, Arizona

PA 24 (2231) An Assessment of the Reproducibility of Point of Care Gastric Ultrasonography Results Between Anesthesiology Attending Physicians and Residents in Healthy Volunteers

Elird Bojaxhi, Sher-Lu Pai, Ilana Logvinov, Steven Porter, Neil Feinglass, Christopher Robards, Klaus Torp

¹Mayo Clinic, Jacksonville, Florida

REGIONAL ANESTHESIA

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 7 Poster Moderator(s):

Honorio Benzon, MD, Northwestern Memorial Hospital, Chicago, Illinois

RA 47 (1741) Infrared Thermography and Distal Skin Temperature to Assess the Success of Ultrasound-Guided Supraclavicular Nerve Blocks for Hand Surgery

Derek Dillane, Susan Halliday, Taesuk Song, Ansuman Datta

University of Alberta, Edmonton, Alberta, Canada

RA 48 (1744) A Dose Finding Study of the Ideal Analgesic Dose of Intravenous Dexamethasone for Total Knee Arthroplasty.

Stuart A Grant¹, Thomas J Van de Ven², Katherine Grichnik³, Michelle Scouras⁴, Jeffrey Gadsden¹, Gavin Martin², Joseph P Mathew²

¹Duke University Medical Center, Durham, North Carolina, ²Duke University, Durham, North Carolina, ³Mednax National Medical Group, Sunrise, Florida, ⁴Duke Raleigh Hospital, Raleigh, North Carolina

RA 49 (1967) A Radiographic Cadaveric Comparison of Transmuscular Quadratus Lumborum Block and Lower Thoracic Paravertebral Block

Stuart A Grant, Christopher Wahal, Amanda Kumar, Neda Sadeghi, Joshua Dooley, Christopher Horazek, Jeffrey Gadsden

Duke University Medical Center, Durham, North Carolina

RA 50 (1817) Novel Use of the Quadratus Lumborum Block for Iliac Crest Bone Graft Harvesting, A Case Series

Sachin Jha, Shabnam Majidian, Jeffrey Jeng, Natale Naim, Eva Boyd, Neesa Patel, Peter Jin

¹University of California, Los Angeles, Los Angeles, California

RA 51 (1869) Ultrasonographic Assessment of Topographic Anatomy of Brachial Plexus at Infraclavicular Fossa

Ajeet Kumar, Abhyuday Kumar

All India Institute Of Medical Sciences, New Delhi, Delhi, India

Moderated Poster Discussion Sessions • Monday, May 8

RA 52 (2073) Initial Evaluation of Efficacy and Safety of Ultrasonography Guided Cervical Plexus Block In Patients Undergoing Thyroidectomy

Kaushal Kumar, Debesh Bhoi

All India Institute of Medical Sciences, New Delhi, Delhi, India

TCSEC 35 (2009) Can the McGrath™ MAC Video Laryngoscope be Used in MRI Zone 4?

Won Chee, Qi Peng

Montefiore Medical Center and Albert Einstein College of Medicine, Bronx, New York

Group 9 Poster Moderator(s):

Tom Krejcie, MD, Northwestern Memorial Hospital, Chicago, Illinois

Makoto Ozaki, MD, PhD, Tokyo Women's Medical University, Shinjuku, Tokyo, Japan

TCSEC 36 (1591) Global Rating Scores Have a Strong Correlation to Competence Referenced Checklist Scores for OSCEs

Fei Chen, Marjorie Stiegler, Robert Isaak

The University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

TCSEC 37 (1743) Observing Pediatric Intensive Care Unit Clinicians to Establish Requirements for Vitalpad, A Mobile Monitoring and Communications Application

Luisa Flohr¹, Shaylene Beaudry¹, J Mark Ansermino¹, David Wensley¹, Peter Skippen¹, Catherine Burns², Matthias Gorges¹

¹University of British Columbia, Vancouver, British Columbia, Canada, ²University of Waterloo, Waterloo, Ontario, Canada

TCSEC 38 (1390) QuizTime: A Smartphone Application for Asynchronous, Work Based Learning

Leslie Fowler¹, Amy Robertson¹, Toufeeq Ahmed¹, Jesse Ehrenfeld², Matthew D McEvoy¹

¹Vanderbilt University Medical Center, Nashville, Tennessee, ²Vanderbilt University School of Medicine, Nashville, Tennessee

TCSEC 39 (1411) Can Specialized Auditory Stimulation Reduce Pre-operative Anxiety?

Tracey F. Gibson, Irene Osborn, Sujatha Ramachandran, Margaret Myones

Montefiore Medical Center, Bronx, New York

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-10 9:30 am - 11:00 am

Group 8 Poster Moderator(s):

Derek Sakata, MD, University of Utah, Salt Lake City, Utah

TCSEC 31 (1786) Hemoglobin Change Measurement Accuracy Obtained from 3 Devices During Surgery

Richard L. Applegate¹, Maxime Cannesson², Patricia M. Applegate¹, Prith Peiris³, Beth Ladlie³, Klaus Torp³

¹University of California Davis, Sacramento, California, ²University of California Los Angeles, Los Angeles, California, ³Mayo Clinic in Florida, Jacksonville, Florida

TCSEC 32 (1851) Geometrical Differences for Three Different Locations of Electrical Impedance Tomography (EIT) Belt Placement in an Equine Model

Christina Braun¹, Ulrike Auer¹, Johannes Schramel¹, Andreas D Waldmann²

¹Anaesthesiology and Perioperative Intensive Care Medicine, Vetmeduni Vienna, Vienna, Austria, ²Swisstom AG, Switzerland, Landquart, Switzerland

TCSEC 33 (1324) Retrospective Review of Failure Rate of Mid-Forearm Radial Artery Pressure Monitoring

Robert F Brooker¹, Douglas G Ririe², Catalina Rodriguez³, Andrea Xavier¹, Gustavo Getenstein¹, Mark Schlangel¹, Esther Garazi¹

¹Sheridan Healthcare, Plantation, Florida, ²Wake Forest School of Medicine, Winston-Salem, North Carolina, ³Nova Southeastern University College of Osteopathic Medicine, Ft. Lauderdale, Florida

TCSEC 34 (1400) Examining Awake Pain Scores and Ease of Use of a Novel Neuromuscular Blockade Monitor

Sorin Brull, Johnathan R Renew, Ilana Logvinov

Mayo Clinic Florida, Jacksonville, Florida

Monday, May 8 • Moderated Poster Discussion Sessions

TCSEC 40 (1433) New Guidance Technology Results in Reducing Mid-Line Catheterization Times

Matthew DeAngelis¹, Irwin Gratz², Edward Deal¹, Francis Spitz¹, I. Elaine Allen³, Erin Pukenas¹

¹Cooper University Hospital, Camden, New Jersey,

²Cooper Hospital, Camden, New Jersey, ³University of California, San Francisco, San Francisco, California

GA 73 (1457) Extreme Anesthesia: A Longitudinal Review of Anesthetics on Centenarians

C. Tyler Smith², Richard J Pollard¹, William Buhrman¹

¹MEDNAX National Medical Group, Charlotte, North, Carolina, ²University of North Carolina at Chapel Hill School of Medicine, Chapel Hill, North Carolina

GA 74 (1596) Persistent Pain is Associated with Accelerated Memory Decline and Dementia in a Longitudinal Cohort of Elders

Elizabeth L. Whitlock, L. G. Diaz-Ramirez, M. M. Glymour, W. J. Boscardin, Kenneth E. Covinsky, Alexander K. Smith

University of California, San Francisco, San Francisco, California

GA 75 (1724) Subjective and Objective Memory Function After Cardiac Surgery or Cardiac Catheterization: A Population-Based Cohort Study

Elizabeth L Whitlock¹, L G Diaz-Ramirez¹, M M Glymour¹, W J Boscardin¹, Michael Avidan², Kenneth E Covinsky¹, Alexander K Smith¹

¹University of California, San Francisco, San Francisco, California, ²Washington University School of Medicine, St. Louis, Missouri

GERIATRIC ANESTHESIA

Moderated Poster Discussion Session-11

11:30 am - 1:00 pm

Group 1 Poster Moderator(s):

Yaacov Gozal, MD, Hebrew University-Hadassah Medical School, Saare Zedek Medical Center, Jerusalem, Israel

Robert Whittington, MD, Columbia University New York Presbyterian Hospital, New York, New York

GA 70 (2213) Frontal EEG Information Can Substitute for Age in a Predictive Model for Delirium in the Post Anesthesia Care Unit

Paul S. Garcia¹, September Hesse², Matthias Kreuzer³, Darren F. Hight⁴, Jamie Sleight⁵

¹Emory University / Atlanta Veterans Administration, Atlanta, Georgia, ²Emory School of Medicine, Decatur, Georgia, ³Emory University, Decatur, Decatur, Georgia, ⁴Waikato Clinical School, Hamilton, Hamilton, New Zealand, ⁵Waikato Hospital, Hamilton, New Zealand

GA 71 (1727) The Association between Baseline Frailty and Postoperative Discharge Location and Functional Status after Cardiac Surgery

Yara Gorashi¹, Jeremy Walston¹, Emily Ledford-Jones¹, Yohei Nomura¹, Charles Hogue², Charles Brown¹

¹The Johns Hopkins University School of Medicine, Baltimore, Maryland, ²Northwestern Feinberg School Of Medicine, Chicago, Illinois

GA 72 (1473) Documentation of Frailty, Capacity and Consent for Elderly Patients Having Elective Inpatient Non-Cardiac Surgery: A Clear Evidence-Practice Gap

David B. MacDonald¹, Dmytro Pelipecchenko¹, Laura Boland², Daniel I. McIsaac¹

¹Department of Anesthesiology and Pain Medicine, University of Ottawa, Ottawa, Ontario, Canada, ²Population Health, University Of Ottawa, Ottawa, Ontario, Canada

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-11

11:30 am - 1:00 pm

Group 2 Poster Moderator(s):

Mark Phillips, MD, University of Alabama at Birmingham, Birmingham, Alabama

Apolonia Abramowicz, MD, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York

MCC 1 (1098) Intraoperative and Postoperative Management of a Case of an Airway Fire

Osman N. Salaria, Rekhavhen Suthar, Sarah Abdelfattah, Jason Hoyos

Mount Sinai Medical Center of Florida, Miami Beach, Florida

MCC 2 (1774) Veno-Venous Ecmo in a Patient with Carboxyhemoglobinemia and Severe Hypoxemia from Acute Inhalation Injury

Oliver R. Schantz, Jayanta Mukherji, Lauren Bonzelaar
Loyola University Medical Center, Maywood, Illinois

Moderated Poster Discussion Sessions • Monday, May 8

MCC 3 (1697) Refractory Status Migrainous: A Case Report Demonstrating Propofol as a Potential Treatment Option

Max Breidenstein, Corey Sheahan, Borzoo Farhang, Eric Anderson, Edward Boyer, Tsai Mitchell

University of Vermont Medical Center, Burlington, Vermont

MCC 4 (1249) Provision of General Anesthesia for a Pediatric Patient with Adcy5-Related Dyskinesia

Shuoqing Song, Raymond Sessions

University of Florida College of Medicine, Gainesville, Florida

MCC 5 (2075) Thoracotomy Without Post Op Analgesics In A Patient With Remote Traumatic Brain Injury [Tbi] – A Case Report

Jaspinder Sra

University of Vermont Medical Center, Burlington, Vermont

Group 3 Poster Moderator(s):

Elizabeth Yun, MD, University of Wisconsin Medical School and Public Health, Madison, Wisconsin

Vinodkumar Singh, MD, University of Alabama at Birmingham, Birmingham, Alabama

MCC 6 (1146) Aseptic Meningitis Following an Epidural Steroid Injection

Scott Stevens, Ryan Keneally

Uniformed Services University of the Health Sciences, Bethesda, Maryland

MCC 7 (1495) Emergency Cesarean Delivery Following Severe Reaction to Intravenous Iron

Alexander Stone, Steven Beaudry, Tina Tran

Johns Hopkins School of Medicine, Baltimore, Maryland

MCC 8 (2114) A Case Report and Discussion of Anesthesia for Huntington's Disease Patient with Postoperative Respiratory Failure in ICU

Nicoleta Stoicea, Suren Soghomonyan, Xuezheng Zhang, Ying Zhou, Stephen Marjoribanks, Gurneet Sandhu

The Ohio State University Wexner Medical Center, Columbus, Ohio

MCC 9 (1561) Balloon Aortic Valvuloplasty (BAV) as a Preoperative Treatment for Patients with Severe Aortic Stenosis

Kenji Sugimoto, Mamoru Nanasato

Nagoya Daini Hospital, Nagoya, Aichi, Japan

MCC 10 (1813) Progressive Pulmonary Hypertension Status Post Trans-Septal Approach Mitral Valve Repair

Danielle E Babb¹, Andrew Cook¹, Julio Benitez Lopez², Christina Matadial³, Ricardo Martinez Ruiz⁴

¹*Jackson Memorial Hospital, Miami, Florida,*

²*University of Miami, Miami, Florida,* ³*Miami Veterans Administration Medical Center, Miami, Florida,*

⁴*University of Miami, Palmetto Bay, Florida*

PEDIATRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-11

11:30 am - 1:00 pm

Group 4 Poster Moderator(s):

Chanannait Paisansathan, MD, University of Illinois Hospital & Health Sciences, Chicago, Illinois

Andrew Pitkin, MBBS, FRCA, University of Florida Department of Anesthesiology, Gainesville, Florida

PED 25 (1734) Quality Improvement Review to Identify Factors Associated with Airway Problems in Children Under 3 Years Undergoing Urologic Procedures

Susan Vishneski¹, Phillip Tennant¹, Douglas G Ririe¹

Wake Forest University School of Medicine, Winston-Salem, NC

PED 26 (1189) Cost Effectiveness of General Anesthesia in Children for Computerized Tomography

Lisa Wise-Faberowski¹, Nathalia Velasquez², Recai Aktay¹, Doff McElhinney¹, Frandics Chan¹,

¹*Stanford University, Stanford, California,* ²*University of Pittsburgh, Pittsburgh, Pennsylvania*

PED 27 (1989) Virtual Reality for Educating and Reducing Preoperative Anxiety in Children – Phase 1: Design, Face Validity and Acceptability by Health Care Professionals

Benjamin J. O'Sullivan¹, Katie Brezel¹, Monica Caldera¹, Maria Salman¹, Fahad Alam², Clyde Matava¹

¹*The Hospital For Sick Children, Toronto, Ontario, Canada,* ²*Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada*

Monday, May 8 • Moderated Poster Discussion Sessions

PED 28 (2034) Virtual Reality for educating and reducing preoperative anxiety in Children – Phase 2: Design, Face Validity and Acceptability by Children and their Parents

Benjamin J. O'Sullivan¹, Katie Brezel¹, Fahad Alam², Maria Salman³, Monica Caldera¹, Clyde Matava⁴

¹The Hospital For Sick Children, Toronto, Ontario, Canada, ²Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada, ³University of Toronto, Toronto, Ontario, Canada, ⁴Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada

PED 29 (2004) A Literature Review of the Association of Acetaminophen and Childhood Asthma. Breathing new life into an old myth?

Johnny Kenth¹, Jacque Diacono², Russell Perkins²

¹University of Lancaster, Lancaster, Lancashire, England, ²Royal Manchester Children's Hospital, Manchester, Greater Manchester, England

PED 30 (1752) Does the use of Dexmedetomidine in infants undergoing supraglottoplasty for laryngomalacia decrease airway complications in the post-operative period?

Susan Verghese, Diego Preciado, George Zalzal
Children's National Medical Center, Washington, DC

PA 14 (1133) Integrating Palliative And Surgical Care – Perioperative Provider Insights In Overcoming Barriers

Giulia Sikorski, Alison M. Conca-Cheng, Rebecca A. Aslakson

Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, Maryland

PA 15 (1135) Induction Techniques that Can Reduce Redistribution Hypothermia

Jonathan V. Roth, Leonard E. Braitman, Lacy H. Hunt, MS

Albert Einstein Medical Center, Philadelphia, Pennsylvania

Group 6 Poster Moderator(s):

Nikolas Skubas, MD, DSc, New York-Presbyterian Hospital, New York, New York

PA 16 (2157) Characterization of the Incidence of Ischemic Stroke Following Neck Dissection in the Elderly: A Retrospective Study

Chuan-Yi Kuo

E-Da Hospital, Kaohsiung, Taiwan

PA 17 (1623) Intraoperative Hypotension in Patients on Angiotensin Axis Blockers: Early Data

Yiyi Liu¹, Sara Mozayan¹, Robert Koehler¹, Oonagh Dowling¹, Judith Aronsohn²

¹Hofstra Northwell School of Medicine, New Hyde Park, New York, ²Northwell Health System, New Hyde Park, New York

PA 18 (1927) Utility Of Scoring Tools and Type of Surgery in Predicting Complications and 30-Day Readmission in Urology Perioperative Surgical Home

J. M Walz¹, Jaclyn K Longtine¹, Dane Netherton¹, Arlene A. Ash¹, Khaldoun Faris², Mitchell Sokoloff², Shubjeet Kaur²

¹University of Massachusetts Medical School, Worcester, Massachusetts, ²UMass Memorial Medical Center, Worcester, Massachusetts

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-11
11:30 am - 1:00 pm

Group 5 Poster Moderator(s):

Edward Nemergut, MD, University of Virginia, Charlottesville, Virginia

PA 12 (2195) A Comparison of the Incidence of Acute Kidney Injury (AKI) Following Elective Total Hip Replacement (THR) And Total Knee Replacement (TKR) In Patients on an Enhanced Recovery Programme (ERP)

Emma Finlay, Cathryn Eitel, Michael P Margaron, Bessie Ayres, Harold Akehurst, Jennifer Macallan
St. Richards Hospital, Chichester, Chichester, West Sussex, England

PA 13 (6678) The Combination Effect of Propacetamol With Nefopam for Pain After Thyroidectomy

Hyun Joo Kim, Min Jeong Lee, Jandee Lee
Severance Hospital, Seoul, Republic of Korea

Moderated Poster Discussion Sessions • Monday, May 8

PA 53 (2222) Preoperative Hemodynamic Assessment with Point of Care Transthoracic Ultrasound: Feasibility of Routine Use and Effects on Operating Room Efficiency

Jack Louro¹, Amir Rowshanrad², Miguel Cobas¹, Roman Dudaryk¹

¹University of Miami Miller School of Medicine, Miami, Florida, ²University of Miami/Jackson Memorial Hospital, Miami, Florida

REGIONAL ANESTHESIA

Moderated Poster Discussion Session-11

11:30 am - 1:00 pm

Group 7 Poster Moderator(s):

Honorio Benzon, MD, Northwestern Memorial Hospital, Chicago, Illinois

RA 54 (1806) Thoracic Paravertebral Depth Measurements Via CT

Ashley L. Screws, Barys Ihnatsenka, Linda Le-Wendling
University of Florida, Gainesville, Florida

RA 55 (2148) Optimizing Pain Management In Total Knee Arthroplasty

George A Semien, Rafael Cabrales, George De Velasco, Brian Burnbaum, Santiago Luis, Wagih Gobrial, Juan Botero

Cleveland Clinic Florida, Weston, Florida

RA 56 (1769) Femoral Nerve Block Versus Liposomal Bupivacaine Infiltration for Total Knee Arthroplasty Postoperative Pain: A Randomized Controlled Trial

Jaspreet Toor¹, Oonagh Dowling¹, Giles Scuderi², Joseph Marino², Frank Overdyk¹, Rena Farquhar², Susan Gencorelli²

¹Hofstra Northwell School of Medicine, New Hyde Park, New York, ²Hofstra Northwell School of Medicine, Valley Stream, New York

RA 57 (1074) Postoperative Analgesic Efficacy Of Pib with PCEA For VATE-E

Hironobu Ueshima, Hiroshi Otake

Showa University Hospital, Shinagawa-ku, Tokyo, Japan

Group 8 Poster Moderator(s):

Sephalie Patel, MD, Moffitt Cancer Center, Tampa, Florida

Richa Wardhan, MD, University of Florida College of Medicine, Gainesville, Florida

RA 58 (1896) Using Hololens Augmented Reality to Combine Real-Time US-Guided Anesthesia Procedure Images and Patient Monitor Data Overlaid on a Simulated Patient: Development

Clyde Matava¹, Fahad Alam², Rami Saab³

¹Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, ²Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada ³University of Toronto, Toronto, Ontario, Canada

RA 59 (2109) Efficacy and Safety of Suprascapular and Axillary Nerve Blocks in Comparison with Interscalene Blocks for Shoulder Surgery

Surya T. Paruchuri⁴, Phani K. Paruchuri¹, Laxmisrinivas Paruchuri², Venkata K. Paruchuri³

¹ARMC, Anaheim, California, ²Osmania General Hospital, Hyderabad, India, ³University of California Berkeley, Berkeley, California, ⁴Medical College Mehabubnagar, India

RA 60 (1461) RCT Of US-Paravertebral vs. US-Proximal Intercostal Block In Mastectomy Patients

Kristin Schreiber, Avery Williams-Vafai, Atif Chowdhury, David Ende, Jose Zeballos, David Janfaza, Kamen Vlassakov

Brigham and Women's Hospital, Boston, Massachusetts

RA 61 (1011) A Novel Approach to Post-op Ear Pain: Greater Auricular Nerve Catheter Analgesia

Mathew B. Ellison, Stephen Howell, Pavithra Ranganathan, Colin Wilson, Jeremy Parsons, Daniel Sloyer

West Virginia University, Morgantown, West Virginia

RA 62 (1027) Fascia Iliaca Compartment Block Versus Periarticular Infiltration for Pain Management

Irina Gasanova¹, John Alexander¹, Abu Minhajuddin¹, Kenneth Estrera¹, Christi Sunna², Girish Joshi¹

¹University of Texas Southwestern Medical Center, Dallas, Texas, ²Parkland Hospital Health System, Dallas, Texas

Monday, May 8 • Moderated Poster Discussion Sessions

RA 63 (2126) Thoracic Paravertebral Catheters Reduce Opioid Use Following Lung Transplantation

Bradley Budde, Roy Greengrass

¹Mayo Clinic, Jacksonville, Florida

TCSEM 44 (2015) A Test-Retest Comparison of Bold and PCASL Data Across Two Scanners

James W. Ibinson¹, Andrea Gillman¹, Marco Loggia², Ishtiaq Mawla², Vitaly Napadow², Ajay D. Wasan¹

¹University of Pittsburgh, Pittsburgh, Pennsylvania,

²Harvard Medical School, Charlestown, Massachusetts

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-11

11:30 am - 1:00 pm

Group 9 Poster Moderator(s):

Tom Krejcie, MD, Northwestern Memorial Hospital, Chicago, Illinois

Mark Rice, MD, Vanderbilt University, Nashville, Tennessee

TCSEM 41 (1855) Understanding the Quality of Cricoid Force Applied During Sellick Maneuver – The First Step Towards Making Cricoid Pressure a Safer Procedure

Hwan Ing Hee¹, Ban Leong Sng¹, Olivia Wijeweera¹, Ning Xue², Yvonne Wong³

¹KK Women's and Children's Hospital, Singapore, Republic of Singapore, ²Institute of Microelectronics, Singapore, Republic of Singapore, ³Khoo Teck Puat Hospital, Singapore, Republic of Singapore

TCSEM 42 (1698) Medical Emergency Management in the Dental Office: A Simulation-Based Training Curriculum for Resident Dentists

Jan Hirsch¹, Earl Jordan Blanche¹, Jesse Manton¹, Neil Mehta², Sara M. Aljohani¹, Shelley Miyasaki¹, Richard L. Fidler¹

¹University of California, San Francisco, San Francisco, California, ²San Francisco Veterans Administration Medical Center, San Francisco, California

TCSEM 43 (1700) The Aggregate Performance of Novel Auditory icon Alarms in a Simulated Intensive Care Unit Environment

Richard McNeer⁵, Danielle B. Horn¹, Roman Dudaryk², Christopher L. Bennett³, Judy Edworthy⁴

¹University of Miami Miller School of Medicine/Jackson Memorial Hospital, Miami, Florida, ²University of Miami Miller School of Medicine, Miami, Florida, ³University of Miami, Coral Gables, Florida, ⁴Plymouth University, Devon, United Kingdom, ⁵University of Miami Miller School of Medicine, Miami, Florida

TCSEM 45 (1084) Effect of FA Warming and AA Infusion on Core Hypothermia In Head and Neck Cancer Surgeries

Nishkarsh Gupta, Sachidanand Jee Bharti, Rakesh Garg, Vinod Kumar, Seema Misra, Sushma Bhatnagar

Dr. Brairch, All India Institute of Medical Sciences, Delhi, India

TCSEM 46 (1881) The Impact of Variations in Breathing Circuit Length, Pulmonary Compliance, and Airway Resistance on Delivered Tidal Volume Using the Drager Fabius Anesthesia Workstation: A Bench Study

Emily M. Fischer, Richard B. Wettstein, Steven Venticinque

University of Texas Health Science Center San Antonio, San Antonio, Texas

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-12

2:00 pm - 3:30 pm

Group 1 Poster Moderator(s):

Daniel Bustamante, MD, University of Tennessee Graduate School of Medicine, Knoxville, Tennessee

Julia Sobol, MD, MPH, Columbia University Medical Center, New York, New York

MCC 1 (2168) Case Report: Endocarditis of Quardricuspid Aortic Valve

Jay Kothari, Andrea Miltiades

NewYork-Presbyterian Hospital/Columbia University Medical Center, New York, New York

MCC 2 (1083) Nasal Mask Oxygenation/Sedation in a Patient with Autonomic Neuropathy in Beach Chair

James Tse, Mariah McGrory, Dennis J Warfield Jr., Orlando Gopez, Ryan Sison, Geza Kiss

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

Moderated Poster Discussion Sessions • Monday, May 8

MCC 3 (1389) Perioperative Challenges in the Management of Carcinoid Heart Disease with Involvement of Right-Sided Heart Valves

Ahmed Uddin, Jayanta Mukherji, Elizabeth Tetteh
Loyola University Medical Center, Maywood, Illinois

MCC 4 (1378) High Volume Ilioinguinal-Iliohypogastric Nerve Block for the Obturator Hernia Repair

Aisa Watanabe¹, Kenichi Takechi², Toshihiro Yorozya¹

¹*Ehime University Graduate School of Medicine, Matsuyama-shi, Ehime-ken, Japan* ²*Ehime Prefectural Imabari Hospital, Imabari, Ehime*

Group 2 Poster Moderator(s):

Sher-Lu Pai, MD, Mayo Clinic, Jacksonville, Florida

Elizabeth Yun, MD, University of Wisconsin Medical School and Public Health, Madison, Wisconsin

MCC 5 (1220) CHAOS without Chaos: Preterm EXIT Procedure for Congenital High Airway Obstruction Syndrome (CHAOS)

Blake Watterworth, Omar A. Alyamani, Rachel Wallace, Justin Li, Monica Chatrath¹, Shobana Bharadwaj

University of Maryland Medical Center, Baltimore, Maryland

MCC 6 (1315) Anesthetic Management Of Carotid Endarterectomy After Heart Transplant

Bess Yeh, Arlene Hudson

Walter Reed National Military Medical Center, Bethesda, Maryland

MCC 7 (1470) Rumpel-Leede Phenomenon with Distal Extremity Blood Pressure Cuff

Albert Yen, Brian Egan

Columbia University Medical Center, New York, New York

MCC 8 (2098) Near-fatal Kinking of Mammary Graft Due to Severe Emphysema

John Denny, **Benjamin R Landgraf**, Alexander Kahan, Sajjad Ibrar, James Tse

Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MCC 9 (1419) Difficult Airway Management of a Pediatric Patient with Bartsocas Papas Syndrome

Jue Hou, Gregory K Kim

Montefiore Medical Center, Bronx, New York

PAIN MEDICINE

Moderated Poster Discussion Session-12

2:00 pm - 3:30 pm

Group 1 Poster Moderator(s):

Olubukola Nafiu, MD, University of Michigan Hospitals and Health Centers, Ann Arbor, Michigan

PM 1 (1272) APOLLO-2: Phase 3 Study of Oliceridine (TRV130) for Management of Acute Pain

Tong Gan¹, David G. Soergel², David A. Burt², Franck Skobieranda²

¹*Stony Brook University Medical Center, Stony Brook, New York*, ²*Trevena, Inc., King of Prussia, Pennsylvania*

PM 2 (1271) APOLLO-1: Phase 3 Study of Oliceridine (TRV130) for Management of Acute Pain

Tong Gan¹, David G Soergel², David A Burt², Franck Skobieranda²

¹*Stony Brook University Medical Center, Stony Brook, New York*, ²*Trevena, Inc., King of Prussia, Pennsylvania*

PM 3 (1513) Dexmedetomidine as an Adjuvant to Patient Controlled Analgesia Nalbuphine for Post-operative Pain in Laparoscopic Surgeries. A Randomized Double-blind, Placebo-controlled Study

Mohamed M. Hussein¹, Khaldia G. Radwan¹, Shady A. Abd El Moneem¹, Ahmed A. Mohamed², Nabaweya M. Kamal¹, Hend H. Kamel¹, Tarek A. Radwan²

¹*Theodor Bilharz Research Institute, Giza, Egypt*, ²*Faculty of Medicine, Cairo University, Cairo, Egypt*

PM 4 (1430) The Effect of Fentanyl or Butorphanol on Hemodynamics and BIS Under the Propofol TCI

Idrees A. Idrees

Huazhong University of Science and Technology

PM 5 (1384) Characterization of Pupil Responses to Patient Controlled Opioid Analgesia

John Yin, Brent Yeung, Kevin Jackson¹, Raissa Nobrega, Julia Finkel

¹*Children's National Medical Center, Washington, DC*, ²*Georgetown University, Washington, DC*

Monday, May 8 • Moderated Poster Discussion Sessions

PM 6 (1801) Neuropathic Pain Medication Use Does Not Alter Outcomes of Spinal Cord Stimulation for Lower Extremity Pain

Yuri C. Martins¹, Dermot P. Maher¹, Kui Zhang², George Hanna³, Shihab Ahmed¹

¹Massachusetts General Hospital, Boston, Massachusetts, ²Michigan Technology University, Houghton, Michigan, ³Chilton Medical Center, Atlantic Health System, Pompton Plains, New Jersey

PED 58 (1380) Transport Ventilation Modality in Pedi-CV Patients from or to Pediatric ICU

Muhammad B. Rafique, Nischal K. Gautam, Olga Pawelek, Syed S. Hashmi, Tariq A. Syed, Ikram U. Haque
McGovern Medical School, Houston, Texas

PED 59 (1072) EACA is Associated with Reduced Blood Loss in Pediatric Craniofacial Surgery

Srijaya K. Reddy¹, Taylor Mann², Heather Gordish-Dressman¹, Robert F Keating¹, Richard J Levy³

¹Children's National Health System, Washington, DC, ²The Johns Hopkins University, Baltimore, Maryland, ³Columbia University, New York, New York

PEDIATRIC ANESTHESIOLOGY

Moderated Poster Discussion Session-12

2:00 pm - 3:30 pm

Group 4 Poster Moderator(s):

J. Lance Lichtor, MD, University of Massachusetts Medical School, Worcester, Massachusetts

PED 54 (1680) Identifying Children at Risk for Severe Postoperative Pain Following Ambulatory Surgery

Cory Koenig

University of Michigan, Ann Arbor, Michigan

PED 55 (1102) Improved Outcomes in Pediatric Craniofacial Surgery with a Team-Based Approach

Roshan Patel¹, Sophie Pestieau², Heather Gordish-Dressman², Srijaya K Reddy²

¹Montefiore Medical Center, Bronx, New York, ²Children's National Health System, Washington, DC

PED 56 (1385) A Retrospective Review of Anesthesia Services and Adverse Events for Pediatric MRI

Janey Phelps¹, Nicole M Conrad¹, Sara Pittenger¹, Lindsay Torrice¹, Seth Hanley¹, Travis Corriher²

¹UNC Children's Hospital, Chapel Hill, North Carolina, ²UNC School of Medicine, Chapel Hill, North Carolina

PED 57 (1398) Pediatric MRI: Age and ASA Status Not Associated with Anesthesia-Controlled Time

Erin R. Pichiotino¹, Andreas Taenzer², Christopher Mayhew¹, Alan Howard¹, Gretchen White¹, Tsai Mitchell³, Jacob Martin¹

¹University of Vermont College of Medicine, Burlington, Vermont, ²Dartmouth-Hitchcock Medical Center, Hanover, New Hampshire, ³University of Vermont Medical Center, Burlington, Vermont

RESPIRATION AND SLEEP MEDICINE

Moderated Poster Discussion Session-12

2:00 pm - 3:30 pm

Group 5 Poster Moderator(s):

Roman Schumann, MD, Tufts University School of Medicine, Boston, Massachusetts

RES 13 (1286) Venous Blood Gas Analysis for HFJV for Catheter Ablation of Atrial Fibrillation

Daniel K. O'Neill, Anthony Aizer, Patrick Linton, Larry Chinitz

New York University Langone Medical Center, New York, New York

RES 14 (1288) Proximal Inspiratory Pressures are Linearly Related to Driving Pressure During HFJV

Daniel K O'Neill, Anthony Aizer, Patrick Linton, Larry Chinitz

New York University Langone Medical Center, New York, New York

RES 15 (2059) Minute Ventilation Assessment in the PACU is Useful to Predict Postoperative Respiratory Depression Following Discharge to the Floor

Iwona Bonney¹, Brian C Harvey², Farhad Zahedi¹, **Roman Schumann**¹

¹Tufts Medical Center, Boston, Massachusetts, ²Respiratory Motion, Inc., Waltham, Massachusetts

Moderated Poster Discussion Sessions • Monday, May 8

SM 16 (1404) Using DVPRS as a Single-Item Screening Tool for Postoperative Sleep Disturbance

Albert Hsu, Christian Calilung

Walter Reed National Military Medical Center,
Bethesda, Maryland

SM 17 (2262) Evaluating the Gender-Specific Factors Impacting the Neck, Leg and Total Fluid Volume Distribution in Patients Having Undergone Non-Cardiac Surgery Under General Anesthesia

Mandeep Singh¹, Azadeh Yadollahi¹, Bojan Gavrilovic¹, Dmitry Uchitel², Stuart McCluskey¹, Douglas Bradley¹, Frances Chung¹

¹University of Toronto and University Health Network, Toronto, Ontario, Canada ²University Health Network, Toronto, Ontario, Canada

SM 18 (1206) Death or Near-death in Patients with OSA: A Compendium of Case Reports

Yamini Subramani¹, Mahesh Nagappa², Frances Chung³

¹Victoria Hospital, London, Ontario, Canada, ²Western University, London, Ontario, Canada ³Toronto Western Hospital, Toronto, Ontario, Canada

TCSEM 32 (1406) Oxygen Reserve Index: An Early Warning for Desaturation in Critically Ill Patients

Leonard Lee, Amrik Singh, Richard Applegate, Neal Fleming

University of California Davis School of Medicine,
Sacramento, California

TCSEM 33 (1242) The Relation Between the Direction of AR Jet Flows and Intracardiac EL Changes

Atsushi Kainuma¹, Koichi Akiyama¹, Yoshifumi Naito¹, Keita Inoue², Shusuke Takeshita¹, Masaru Shimizu¹, Teiji Sawa¹

¹Kyoto Prefectural University of Medicine, Kyoto City, Kyoto Prefecture, Japan ²Japanese Red Cross Kyoto Daiichi Hospital, Kyoto City, Kyoto Prefecture, Japan

TCSEM 34 (1648) ClearLine IV System Reduces Intravascular Air During Rapid IV Fluid Bolus

Yussr M. Ibrahim, Nicole Ribeiro Marques, Mindy Juan, Carlos R. Garcia, Michael Salter, Christopher McQuitty, Michael Kinsky

University of Texas Medical Branch, Galveston, Texas

TCSEM 35 (1937) Decreasing The Incidence of Arterial Oxygen Desaturation Alarms in the Post-Anesthesia Care Unit by Using Spo2 Threshold-Based, Automated Verbal Prompts to Patients

Samsun Lampotang¹, Joseph Lagrew¹, Anthony Destephens¹, Andrew Gifford¹, Judith Wishin¹, Nikolaus Gravenstein¹, Julian Goldman²

¹University of Florida, Gainesville, Florida, ²Harvard Medical School, Boston, Massachusetts

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-12

2:00 pm - 3:30 pm

Group 6 Poster Moderator(s):

Derek Sakata, MD, University of Utah,
Salt Lake City, Utah

TCSEM 30 (1478) User Acceptance of Augmented Reality for Non Technical Skills Training in the OR

Darlene L. Mashman¹, Michele Sumler¹, Scott L. Robertson², Laura Levy², Susan Tamasi³, Maribeth Gandy², Laureen Hill¹

¹Emory University School of Medicine, Atlanta, Georgia,

²Georgia Institute of Technology, Atlanta, Georgia,

³Emory University, Atlanta, Georgia

TCSEM 31 (1039) Comparing the Efficacy of Fluid Warming Devices: Ranger Versus Animec

Wan Yen Lim, See Seong Chang, Vui Kian Ho

Singapore General Hospital, Singapore

Group 7 Poster Moderator(s):

Tom Krejcie, MD, Northwestern Memorial Hospital,
Chicago, Illinois

LB TCSEM 36 (4225) Artificial Neural Network (Ann) Analysis in Prediction of Factors Contributing to 'Age At Death' Among Unintentional Overdose Deaths In New York City in 2013

Troy A Davis¹, Tania Cossio¹, Cynthia Rupp¹, Suryanarayana Pothula¹, Kathryn E. McGoldrick², Mario A. Inchiosa¹

¹New York Medical College, Valhalla, New York,
²Accreditation Council for Graduate Medical Education, Chicago, Illinois

Monday, May 8 • Moderated Poster Discussion Sessions

TCSEM 37 (1654) Comparison of Cerebral And Somatic Tissue Oxygen Saturation Measured During Robotic Hysterectomy

Gang Li¹, Liang Lin¹, Trevor Banack¹, Xiangyang Guo², Lingzhong Meng¹

¹*Yale University School of Medicine, New Haven, Connecticut*, ²*Peking University Third Hospital, Beijing, Connecticut*

TCSEM 38 (1481) Research and Quality Improvement in Anesthesia for Thoracic Surgery: A National Database Integration Process

Michael Mathis¹, Sachin Kheterpal¹, Randal Blank²

¹*University of Michigan, Ann Arbor, Michigan*, ²*University of Virginia, Charlottesville, Virginia*

TCSEM 39 (1901) The Impact of Social Media on Pediatric Anesthesia Papers and Bibliometry

Clyde Matava¹, Maria Salman²

¹*Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada*, ²*University of Toronto, Toronto, Ontario, Canada*

TCSEM 40 (1887) A Voice Activated, Augmented Reality Real-Time Anesthesia Coach for Performing Ultrasound Blocks Using HoloLens – Development

Clyde Matava¹, Fahad Alam²

¹*Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada*, ²*Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada*

LB CA 20 (4220) Anesthetic Induction Reduces Blood Pressure Complexity

Pooja A. Mathur, Teresa Henriques, Bala Subramaniam

Department of Anesthesiology, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

LB CA 21 (2300) Multiplicative Interaction Between ACE Inhibitors And Blood Product Components in the Causal Pathway For Vasoplegia Following Cardiac Surgery

Christos A. Koutentis¹, Sophisa Sophonphattana¹, Lynn M. Wilson², Abeel A. Mangi¹

¹*Yale University, New Haven, Connecticut*, ²*Yale New Haven Hospital, New Haven, Connecticut*

LB CA 22 (4215) Pre-Induction Systemic Diastolic Blood Pressure in Patients Receiving ACE Inhibitors Independently Predicts Severe Vasoplegia Following Cardiopulmonary Bypass

Christos A. Koutentis¹, Sophisa Sophonphattana¹, Lynn M. Wilson², Abeel A. Mangi¹

¹*Yale University, New Haven, Connecticut*, ²*Yale New Haven Hospital, New Haven, Connecticut*

LB CA 23 (4230) Flow Energetic Assessment of Staged Palliative Surgery

Keita Inoue¹, Koichi Akiyama², Mao Kinoshita², Atsushi Kainuma², Saeko Hamaoka², Yoshifumi Naito², Teiji Sawa²

¹*Japanese Red Cross Kyoto Daiichi Hospital, Kyoto City, Kyoto Prefecture, Japan*, ²*Kyoto Prefectural University of Medicine, Kyoto City, Kyoto Prefecture, Japan*

CARDIOVASCULAR ANESTHESIOLOGY AND GLOBAL HEALTH

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 1 Poster Moderator(s):

Markus Hollmann, MD, PhD, University of Amsterdam, Amsterdam, Netherlands

LB GH 19 (2298) Anaesthesia Workforce Crisis in East Africa

Isabella Epiu¹, Theogene Twagirimugabe²

¹*University of California Global Health Institute, Kampala, Uganda, Africa* ²*College of Medicine and Health Sciences, Kigali, Rwanda, Africa*

ECONOMICS, EDUCATION AND POLICY

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 2 Poster Moderator(s):

Hiroshi Otake, MD, PhD, Showa University School of Medicine, Tokyo, Japan

Edward C. Nemergut, MD, University of Virginia, Charlottesville, Virginia

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EEP 41 (1993) National Survey of Anesthesiology Program Directors Revisited

Leslie Fowler, Elisabeth Hughes, Brian Gelfand, Matthew D. McEvoy

Vanderbilt University Medical Center, Nashville, Tennessee

EEP 42 (2072) Designing A Point of Care Ultrasound (POCUS) Curriculum for Competence by Design Anesthesiology Residency Training Programs

T. Jared McCormick, Asad MirGhassemi, Ashraf Fayad, Hasham Talab, Robert Chen, Meghan McConnell, Daniel Dubois

University of Ottawa, Ottawa, Ontario, Canada

EEP 43 (1475) Medical Student Knowledge Regarding Perioperative Surgical Home and Enhanced Recovery After Surgery

Jared Cummings, Amy Robertson, Leslie Fowler

Vanderbilt University Medical Center, Nashville, Tennessee

EEP 44 (1976) Optimal Algorithm for Assignment of Anesthesiologists to Non-Operating Room Sites

Joonyup Eun², Vikram Tiwari², **Max Breidenstein**¹, Warren S. Sandberg², Tsai Mitchell¹

¹University of Vermont Medical Center, Burlington, Vermont, ²Vanderbilt University Medical Center, Nashville, Tennessee

EEP 45 (2023) Residents as Teachers: A Resident-Led Curriculum to Improve Medical Student Education

Melissa Bellomy, David Gruner, Amy Robertson

Vanderbilt University Medical Center, Nashville, Tennessee

EEP 46 (1602) Anonymous Assessment of Burnout Among Anesthesiology Department Staff – Identifying Trends to Create Efficient Guidelines

Joseph Woo¹, Melinda Aquino², Myrna Kcomt², Galina Leyvi¹, Haitham Ibrahim², Sergey Pisklakov¹

¹Albert Einstein College of Medicine, Bronx, New York, ²Montefiore Medical Center, Bronx, New York

Group 3 Poster Moderator(s):

Getulio De Oliveira Filho, MD, PhD, Federal University of Santa Catarina, Florianopolis, Brazil

EEP 47 (2108) The Impact of Institutional, Comprehensive Faculty Development on Resident Education: Building a Point-of-Care Ultrasound Program

Elifce Cosar¹, Tanya Lucas², J. Aaron Scott³, Maksim Zayaruzny², Shubjeet Kaur³, Luanne Thorndyke², **J. M Walz**¹

¹University of Massachusetts Medical School, Worcester, Massachusetts, ²University of Massachusetts Memorial Healthcare, Worcester, Massachusetts, ³UMass Memorial Medical Center, Worcester, Massachusetts

EEP 48 (1163) Research Productivity and Rankings of Anesthesiology Departments in Canada and the US

Benjamin Walker¹, Alexandra Bunting², Sepand Alavifard¹, Donald Miller³, Tim Ramsay¹, Sylvain Boet³

¹Ottawa Hospital Research Institute, Ottawa, Ontario, Canada, ²The University of Ottawa, Ottawa, Ontario, ³The Ottawa Hospital, Ottawa, Ontario, Canada

EEE 49 (1079) Global Overview of Anesthesiology Certification and Practice – A Survey Study

Makiko Tani, Jan D Smith, Tetsuro Sakai

University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

EEP 50 (1025) Barriers to Research in Anesthesiology

Ami Stuart, Harriet W Hopf, Scott Tadler

University of Utah, Salt Lake City, Utah

EEP 51 (1274) Medical Student Education in Anesthesia: Survey of Current and Best Practices

Wu Yin, Amy Robertson, Leslie Fowler

Vanderbilt University Medical Center, Nashville, Tennessee

EEP 52 (1115) Use of Smart Phone Based Spaced Learning Platform for Anesthesia Education

Chris D. Glover, Kim P. Nguyen, Nihar V. Patel, Yang Liu, Rahul Baijal, Kenneth Wayman

Baylor College of Medicine, Houston, Texas

Monday, May 8 • Moderated Poster Discussion Sessions

MEDICALLY CHALLENGING CASES

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 4 Poster Moderator(s):

Daniel Bustamante, MD, University of Tennessee
Graduate School of Medicine, Knoxville, Tennessee

Mark Phillips, MD, University of Alabama at
Birmingham, Birmingham, Alabama

MCC 1 (2220) Airway Management of a Patient with a Difficult Airway and One Lung Ventilation: A Case Report

Shawn Thomas

*Boston University Medical Center, Boston,
Massachusetts*

MCC 2 (2016) Respiratory Failure and Tension Pneumothorax in an Infant After PO Intake in the Recovery Room

Claude Abdallah, Renee J. Roberts, Caroline Wright,
Dianne E. Cochran

Children's National Medical Center, Washington, DC

MCC 3 (1436) Aortic Injury During Spinal Fusion: A Case Report

Jonah Abraham¹, Ibtesam A Hilmi²

*¹University of Pittsburgh Medical Center, Pittsburgh,
Pennsylvania, ²University of Pittsburgh Medical Center,
Pittsburgh, Pennsylvania*

Group 5 Poster Moderator(s):

Julie Huffmyer, MD, University of Virginia,
Charlottesville, Virginia

Sher-Lu Pai, MD, Mayo Clinic, Jacksonville, Florida

MCC 6 (1129) Emergent Surgery for Hematemesis in Teenage Patient with Tetralogy of Fallot

Pavel Balduyeu, Nicholas Gravenstein, Darren
Postoak

University of Florida, Gainesville, Florida

MCC 7 (2040) Intraoperative Placement of Quadratus Lumborum Catheters for Delayed Bilateral Breast Reconstruction Utilizing Bilateral Abdominal-Based Free Flaps

Caroline Bashore¹, Sabrina Dhillon²

*¹Virginia Commonwealth University Health System,
Richmond, Virginia, ²Virginia Commonwealth University,
Richmond, Virginia*

MCC 8 (1505) Multi-disciplinary Approach to Managing Epidural Labor Anesthesia in a Parturient with Type 2N Von Willebrand's Disease in a Rural Tertiary Academic Medical Center

Slava Belenkiy, Travis Hammond, Alfred Stump,
Pavithra Ranganathan, Mathew B. Ellison, Richarf
Driver, Manuel C. Vallejo

*West Virginia University School of Medicine
Department of Anesthesiology, Morgantown, West
Virginia*

MCC 9 (1365) Anesthetic Management in a Combined TEVAR and TAVR

Brandon C. Banks¹, Jack Chavez²

*¹University of Tennessee Graduate School of Medicine-
Knoxville, Knoxville, Tennessee, ²University of
Tennessee- Knoxville, Knoxville, Tennessee*

PAIN MEDICINE

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 6 Poster Moderator(s):

Honorio Benzon, MD, Northwestern Memorial
Hospital, Chicago, Illinois

PM 60 (2093) The Role of Sub-Anesthetic Ketamine on Opioid Intake in Hospitalized Children and Adolescents

Raissa Q. Nobrega¹, Kathy A. Sheehy², Caroline
Lippold¹, Amy L. Rice¹, Julia Finkel¹, Zenaide Quezada¹

*¹The Sheikh Zayed Institute for Pediatric Surgical
Innovation – Children's National Health System,
Washington, DC, ²Virginia Commonwealth University
Health System, Richmond, Virginia*

PM 61 (2094) Sub-Anesthetic Ketamine for Inpatient Pain Management in Children And Adolescents

Raissa Q Nobrega¹, Kathy A Sheehy², Caroline
Lippold¹, Amy L Rice¹, Julia Finkel¹, Zenaide Quezada¹

*¹The Sheikh Zayed Institute for Pediatric Surgical
Innovation – Children's National Health System,
Washington, DC, ²Virginia Commonwealth University
Health System, Richmond, Virginia*

Moderated Poster Discussion Sessions • Monday, May 8

PM 62 (1611) Role of Per Cutaneous Plantar Fascia Partial Tenotomy with PRP Injection in Refractory Plantar Fasciitis Pain

Surya T. Paruchuri³, Phani K. Paruchuri¹, Venkata K. Paruchuri², Laxmisrinivas Paruchuri⁴

¹ARMC, Anaheim, California, ²University of California Berkeley, Berkeley, California, ³Medical College Mehabubnagar, Anaheim, California, ⁴Osmania General Hospital, Hyderabad, India

PM 63 (1620) Pain Catastrophizing: Can It Predict Functioning?

Falin Patel¹, May Chin², Richard Amdur², Xiangyu Kuang²

¹The George Washington University School of Medicine and Health Sciences, Washington, DC, ²George Washington University, Washington, DC

PM 64 (2065) Financial Impact of Intensive Outpatient Pain Management of Duke Health System High Utilizers

Josef Pleticha¹, Steven Prakken¹, Thomas Buchheit¹, Padma Gulur¹, Scott Bearrows¹, Julie Westover², Solomon Aronson¹

¹Duke University, Durham, North Carolina, ²Duke Pain Medicine, Durham, North Carolina

PM 65 (1197) Development of Pre-Operative Questionnaire for Predicting Post-Operative Pain and Opioid Consumption

Christopher A. Romano¹, Singh Nair², Devina Persaud², Boleslav Kosharsky²

¹Albert Einstein College of Medicine, Bronx, New York, ²Montefiore Medical Center, Bronx, New York

PA 7 (2203) Enhanced Recovery After Surgery Implementation Across a Health System in the United States: A Principles Based Approach

Alexander Stone¹, Martin Paul², Sara Sateri³, Hadley Wesson⁴, Christopher Wu¹, Elizabeth Wick¹, Michael C. Grant¹

¹Johns Hopkins Medicine, Baltimore, Maryland, ²Sibley Memorial Hospital, Washington, DC, ³Bayview Medical Center, Baltimore, Maryland, ⁴Howard County General Hospital, Columbia, Maryland

PA 8 (1301) Relationship Between Anesthesia Type and Patients – Overall Rating of Care

Elise Timtim¹, Avery Tung², David Glick²

¹Pritzker School of Medicine, University of Chicago, Chicago, Illinois, ²University of Chicago, Chicago, Illinois

PA 9 (1057) Anesthetics Impose Negative Chronotropic Effects on Patients with HNRT

Gang Zheng, Wenli Dong, Carol M Lewis

¹The University of Texas MD Anderson Cancer Center, Houston, Texas

PA 10 (1619) An Evidence-Based Opioid Sparing Anesthetic Technique: Preliminary Data

Jacquelyn Paetzold¹, Phillip Boysen²

¹Tulane University School of Medicine, New Orleans, Louisiana, ²Ochsner Clinic Foundation, New Orleans, Louisiana

PA 11 (1579) Diagnostic Usefulness of D-Dimer for Deep Venous Thrombosis and Pulmonary Embolism in the High Risk Elderly Patients Undergoing Acute Hip Fracture Surgery

Shozo Tominaga¹, Yoshiaki Terao¹, Shigehiko Urabe¹, Chikako Tsuji², Makito Oji¹, Makoto Fukusaki¹, Tetsuya Hara³

¹Nagasaki Rosai Hospital, Sasebo, Nagasaki, Japan, ²Nagasaki University Hospital, Nagasaki, Japan, ³Nagasaki University School of Medicine, Nagasaki, Japan

PERIOPERATIVE ANESTHESIA

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 7 Poster Moderator(s):

Michael Andreae, MD, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York

REGIONAL ANESTHESIA

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 8 Poster Moderator(s):

Richa Wardhan, MD, University of Florida College of Medicine, Gainesville, Florida

Monday, May 8 • Moderated Poster Discussion Sessions

LB RA 71 (4180) Comparative Evaluation of Two Doses of Dexmedetomidine Added to Levobupivacaine for Supraclavicular Brachial Plexus Block

Chandni Sinha, Umesh K Bhadani, Shalini Sharma, Amarjeet Kumar

All India Institute of Medical Sciences, Patna, Bihar, India

LB RA 72 (4211) A Comparison Between General and Neuraxial Anesthesia on the Incidence of Surgical Site Infection Rates Following Total Joint Arthroplasty: A Retrospective Study at Detroit Medical Center 2011-2015

Kunal Sood¹, Evan Albazi², Samuel Perov², Aashish Kumar², George Mckelvey²

¹Detroit Medical Center, Detroit, Michigan, ²Wayne State University, Detroit, Michigan

RA 73 (2062) Intermediate Cervical Plexus Block, A Review of Fascial Planes and Potential Spaces

Jonathan C. Markley¹, Jarrett Schanzer¹, Victor Perkins²

¹St Josephs Regional Medical Center, Paterson, New Jersey, ²St Josephs Regional Medical Center, Paterson, New Jersey

RA 74 (1850) Urologist Meredith Campbell Published The First Report On Pediatric Caudal Anesthesia

David Waisel

Boston Childrens Hospital, Boston, Massachusetts

RA 75 (1845) Pearls About Spinal Anesthesia From John Lundy – 1942 Clinical Anesthesia

David Waisel

Boston Childrens Hospital, Boston, Massachusetts

TCSEM 24 (1903) Use of Ordinal Regression Analysis for Assessing and Comparing Individual Alarm Performance in a Simulated Intensive Care Unit Environment

Richard McNeer¹, Christopher L. Bennett¹, Danielle B. Horn², Judy Edworthy³, Roman Dudaryk¹

¹University of Miami Miller School of Medicine, Miami, Florida, ²University of Miami Miller School of Medicine/Jackson Memorial Hospital, Miami, Florida, ³Plymouth University, Plymouth, England

TCSEM 25 (1546) Correlation Of Pulse Contour And Transpulmonary Thermodilution Cardiac Index During Major Non-Cardiac Surgery

Sebastian Schmid, Manfred Blobner, Markus Heim, Barbara Kapfer, Ralph Bogdanski, Gerhard Schneider, Bettina Jungwirth

Klinikum rechts der Isar, Munich, Germany

TCSEM 26 (1511) Optimizing The Use of Point of Care Testing Devices for Screening Patients

Elie Sarraf, Donald M Mathews

University of Vermont Medical Center, Burlington, Vermont

TCSEM 27 (1699) Volatile Organic Compounds Derived from Inhaled Anesthetics and Human Breath Pollute the Anesthesia Circuit

Fanny W. Ng¹, Anna J. Klausner¹, Renee Cataneo², Michael Phillips², Lena Sun¹, Richard J Levy¹

¹Columbia University Medical Center, New York, New York, ²Menssana Research Inc, Newark, New Jersey

TCSEM 28 (2245) Simulation 'Boot Camp' During Orientation Increases Confidence in Essential Skills During the First Month of Anesthesia Residency

Christina R. Miller, Adam Schiavi, Allan Gottschalk

Johns Hopkins Hospital, Baltimore, Maryland

TCSEM 29 (1661) Tissue Hypoxia Characterized by Somatic Tissue Oxygen Saturation Monitoring in Orthopedic Patients with Tourniquet Application

Liang Lin, Gang Li, Aymen Alian, Jinlei Li, **Lingzhong Meng**

Yale University School of Medicine, New Haven, Connecticut

TECHNOLOGY, COMPUTING AND SIMULATION, EQUIPMENT MONITORING

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 9 Poster Moderator(s):

Jesse Ehrenfeld, MD, MPH, Vanderbilt University Medical Center, Nashville, Tennessee

Mark Rice, MD, Vanderbilt University, Nashville, Tennessee

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AMBULATORY ANESTHESIA, OBSTETRIC ANESTHESIOLOGY, AND BLOOD MANAGEMENT_____

Moderated Poster Discussion Session-13 4:00 pm - 5:30 pm

Group 10 Poster Moderator(s):

Irina Gasanova, MD, PhD, University of Texas
Southwestern Medical Center, Parkland Health &
Hospital System, Dallas, Texas

BLD 66 (1052) Optimization of Pre-Operative Transfusion Preparation for Elective Procedures Using Historical Transfusion Data

Anne M Que, Aalok Agarwala, Marcela Del Carmen,
Daniel Yeh

*Massachusetts General Hospital, Harvard Medical
School, Boston, Massachusetts*

OB 67 (2209) Acute Malaria in a Parturient with an Incidental Ascending Aortic Aneurysm

Kareem Kassel

Albany Medica Center, Albany, New York

OB 68 (1871) Comparison of Fetal And Maternal Outcomes Between General, Spinal, Epidural, and Combined

Seok Min Kwon, Min Hur, Won Ho Kim, Jae-Hyon Bahk

*Seoul National University Hospital, Seoul, Republic of
Korea*

LB OB 69 (4209) Sphenopalatine Ganglion Block to Treat Shoulder Tip Pain in Cesarean Patients: A Case Series

Gilbert J. Grant, Ghislaine C. Echevarria, Jerome Lax

*New York University School of Medicine, New York,
New York*

AMB 70 (2139) Postoperative Nausea and Vomiting in the Setting of SSRI and SNRI Use

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