Final Program

IARS 2014 Annual Meeting and International Science Symposium

Improving Health Through Discovery and Education

May 17 – May 20

Fairmont The Queen Elizabeth Hotel
Montréal, Canada
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May 17, 2014

Bienvenue à Montréal!

The IARS 2014 Annual Meeting and International Science Symposium are together with the SOCCA 27th Annual Meeting and Critical Care Update for the first time here in beautiful Montréal! We have developed a dynamic program filled with opportunities to discuss cutting-edge topics in every specialty of anesthesiology, engage with world-renowned anesthesia educators, and network with colleagues. Over the next 4 days, we know you will find the increased learning opportunities as compelling and varied as the location with its distinctive neighborhoods and European charm.

This year’s program is packed with robust content, with a wide variety of symposia, lectures, panels, hands-on workshops, and problem-based learning discussions. Here are just a few of the highlights.

- Dr. Angela Enright, Immediate Past President of the WFSA, will kick off the week’s events with the T.H. Seldon Memorial Lecture at 8:00 am Saturday. For the past 10 years, Dr. Enright has dedicated herself to improving the education of anesthesiologists in emerging countries. She will address the question, *Global Challenges in Anesthesia: Are We Doing Enough?*

- Special focus on critical care (Saturday): SOCCA joins with IARS to offer sessions on Anesthesia Advanced Circulatory Life Support, Critical Illness Intraoperative Decisions in the OR, workshops covering Critical Care Ultrasound and ACLS Simulation, and a PBLD on a complex challenge involving spinal instrumentation.

- The International Science Symposium will focus on *Inflammation and its Perioperative Implications* (Sunday), moderated by Dr. Emery Brown.

- Symposia on Evidence-Based Decision-Making and Knowledge Translation (Saturday), Enhanced Recovery After Surgery (Sunday) and the Perioperative Surgical Home (Monday), with a special symposium for residents on preparing for your future anesthesiology careers (Saturday) will add to the educational focus.

- More than 510 abstracts will be presented during the meeting and compete for the Best of Meeting and Kosaka Awards. Residents will also vie for honors and bragging rights in the resident abstract competition.

Visit the Tabletop Exhibit Area for the latest advances in technology, equipment, pharmaceutical services, and medical publications.

Take time out to interact with your colleagues during the Attendee Reception on Saturday, from 5:00 pm to 6:00 pm, while enjoying some of the unique flavor of the city. With meeting days that end by 5:00 pm, you will find plenty of time to see the sights and savor the culinary delicacies which make Montréal famous.

We are confident you will find this time together meaningful and gratifying while discovering all Montréal has to offer.

Sincerely,

Denise J. Wedel, MD
Chair, IARS Board of Trustees
Welcome to the IARS 2014 Annual Meeting and the beautiful city of Montréal!

Join over 1,000 of the world’s leading anesthesia educators and investigators for an invigorating program featuring over 20 Review Course Lectures, 24 Panels focused on cutting-edge topics in sub-specialty fields, 18 Problem-Based Learning Discussions with challenging case-based scenarios, 5 Interactive Ultrasound Workshops, 3 Education Symposia, a 2-day Resident Education Program and 3 days of Moderated Poster Discussions.

**Featured Sessions Include...**

- **Saturday, May 17, 8:00 – 9:30 am**  •  T.H. Seldon Memorial Lecture
  *Global Challenges in Anesthesia: Are We Doing Enough?*

- **Saturday, May 17, 1:00 – 5:15 pm and Sunday, May 18, 7:30 – 10:00 am**  •  Resident Program
  *Changing Healthcare and its Demands: Prepare Yourself for the Future*

- **Sunday, May 18, 8:00 – 11:00 am**  •  International Science Symposium
  *Inflammation and its Perioperative Implications*

**IARS Education Symposia**

- **Saturday, May 17, 1:00 – 4:00 pm**
  *Evidence-Based Decision-Making, Health Technology Assessment, and Knowledge Translation for Anesthesia and Perioperative Medicine (EBDM, HTA & KT)*

- **Sunday, May 18, 1:30 – 4:30 pm**
  *Enhanced Surgical Recovery Program: The Role of the Anesthesiologist*

- **Monday, May 19, 7:00 – 10:00 am**
  *The Perioperative Surgical Home: How Can It Make the Case So Everyone Wins?*

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**Montréal by the Numbers**

- **2** Number ranked in size among French-speaking cities (Paris is #1)
- **1969** Year John Lennon and Yoko Ono staged their second week-long bed-in at the Fairmont The Queen Elizabeth Hotel in Suite 1742
- **1976** Year Olympic Games took place in Montréal – the Fairmont The Queen Elizabeth Hotel was the headquarters
- **4,500** Number of animals from 250 different species and 500 plant species that call Biodôme Montréal home
- **18** Number of miles of shops, restaurants and attractions that make up Montréal’s Underground City
- **4,000** Number of years ago that First Nations native people lived in Montréal
- **1,000** Number ranked for largest inland port on earth for the Port of Montréal
- **85** Percentage of world’s maple syrup produced in Montréal’s province of Québec
- **24** Number of Stanley Cups won by the Montréal Canadiens – best record in the NHL
- **16** Number ranked among the world’s most livable cities by Monocle Magazine in 2008
- **2006** Year named a UNESCO City of Design along with Berlin and Buenos Aires
- **19** Number of bridges that surround Montréal
- **1** Number ranked for largest church in Canada for St. Joseph’s Oratory
- **12** Number of rollercoasters at Montréal’s Le Ronde Amusement Park
- **11** Number of universities
- **9** Number of stations in the Montréal subway
- **80** Number of languages spoken in Montréal
- **1876** Year the 500-acre Mount Royal Park, designed by Frederick Law Olmstead, was created
- **1933** Year that Marché Atwater, one of Montréal’s oldest markets, opened
- **373** Approximate number of miles of bike paths
- **2** Number ranked for most restaurants per capita in North America (New York City is #1)
- **85** Percentage of world’s maple syrup produced in Montréal’s province of Québec
- **15** Number ranked in city size in North America
- **11** Number of universities
- **3,000** Approximate number of musicians who participate in the Festival International de Jazz de Montréal each summer
- **18** Number ranked for largest church in Canada for St. Joseph’s Oratory
- **10** Number of rollercoasters at Montréal’s Le Ronde Amusement Park
- **68** Number of restaurants per capita in North America (New York City is #1)
- **12** Number of Titanic victims buried in Montréal’s cemeteries
- **68** Number of restaurants per capita in North America (New York City is #1)

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Welcome to the IARS 2014 Annual Meeting and the beautiful city of Montréal!
General Information

Location
IARS 2014 Annual Meeting Headquarters Hotel
The IARS 2014 Annual Meeting and International Science Symposium education sessions and tabletop exhibits will be conveniently located at the Fairmont The Queen Elizabeth Hotel.

Fairmont The Queen Elizabeth Hotel is celebrated internationally for its world-class accommodations. At the center of Montréal’s vibrant cultural and commercial district sits the city’s grandest and most gracious hotel – Fairmont The Queen Elizabeth Hotel. Recently recognized for its sustainability programs, the hotel reflects the distinct elegance and charm of Montréal and offers direct access to the train station and the extensive underground city of thousands of boutiques, restaurants and cafés.

Fairmont The Queen Elizabeth Hotel
900 Rene Levesque Blvd. W
Montréal, Québec, Canada
866-540-4483

Registration
Registration Area
Your registration materials will be available for pick up at the Registration Desk (Foyer, Mezzanine).

Registration is available during the following hours:
- Friday, May 16 .......... 6:00 am – 5:00 pm
- Saturday, May 17 .......... 6:00 am – 5:00 pm
- Sunday, May 18 .......... 6:00 am – 5:00 pm
- Monday, May 19 .......... 6:00 am – 5:00 pm
- Tuesday, May 20 .......... 6:30 am – 11:30 am

The Annual Meeting registration fee includes access to the T.H. Seldon Memorial Lecture, International Science Symposium, Review Course Lectures, Panels, Moderated Poster Discussion Rounds, and Tabletop Exhibits. Problem-Based Learning Discussions (PBLDs), Case Reports and Workshops are limited seating and an additional non-refundable fee. If seating is still available, tickets may be purchased at the Registration Desk.

Registration materials will include a printed copy of the IARS 2014 Final Program and an online (www.iars.org) copy of the Abstract Supplement, and Review Course Lecture Book. These documents will also be posted to the IARS website.

Exhibits
Tabletop Exhibits Area
The Tabletop Exhibits are located in the Foyer, Convention Floor, Fairmont The Queen Elizabeth Hotel. In addition, please join us for the Attendee Reception on Saturday, May 17, from 5:00 to 6:00 pm.

Tabletop Exhibit hours:
- Saturday, May 17 ............ 7:00 am – 2:00 pm
- Attendee Reception ........ 5:00 pm – 6:00 pm
- Sunday, May 18 ............. 6:00 am – 2:00 pm
- Monday, May 19 ............. 6:00 am – 2:00 pm

Services
IARS Member Resource Center
The IARS is anesthesiology’s non-political organization focused on providing scientific and evidence-based safe anesthesia care. The IARS Member Resource Center features publications, education, research grant opportunities, and other resources available to IARS members as a benefit of membership. The IARS Member Resource Center is located in the Foyer, Mezzanine Floor near the Registration Desk.

Internet Availability
Complimentary wireless internet is available in the conference and exhibit area, all meeting rooms, and attendee guestrooms within the hotel. Open your internet browser and choose the network labeled “Fairmont Meeting.” When prompted for an access code, enter “IARS.” Please no streaming or video downloads.

Mobile App
Download the interactive IARS 2014 Annual Meeting mobile app, IARS 2014, available for iPhone, iPad, Android, and HTML5 for Blackberry. Remember to turn off your mobile data and use the complimentary hotel WiFi to download the app to avoid roaming charges (see directions for using the free WiFi above). Your username for the app is the email with which you registered for the Annual Meeting. The password for all users is: iars2014. With IARS 2014, you can view the complete event schedule, explore all sessions, and get detailed presenter information. Keep informed of the most popular sessions and events by accessing the app’s Activity Feed, which highlights useful comments, photos, ratings and more. Receive announcements and obtain the most up-to-date event information. Expand your professional network and make the most of your Annual Meeting experience! Please contact iarsapp@iars.org with any questions.

Twitter
Share your experiences and thoughts during the Annual Meeting by tweeting and using the hashtag #IARS14. You can also follow the official IARS Annual Meeting Twitter feed (@IARS14) at http://twitter.com/IARS14.
Online CME
Online CME will be available one week following the Annual Meeting. A link to access the Annual Meeting CME will be emailed to all attendees.

Special Needs
If you have a special need or require specific accommodations in order to fully participate in the Annual Meeting, please see the IARS staff at the Registration Desk.

Information

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

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

Photography Release
The IARS plans to take photographs at the Annual Meeting 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 2014 Annual Meeting, you grant the IARS the right to use your name, photograph, and biography for such purposes.

IARS 2014 Annual Meeting Program Committee

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Birmingham, Alabama

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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 IARS 2014 Annual Meeting is to address gaps in anesthesiology practice by providing clinically-oriented and scientifically-based educational activities that will improve competence and performance in the anesthesiology specialty.

Target Audience
The IARS 2014 Annual Meeting CME activity is designed to address the continuing medical education needs of anesthesiologists, anesthesiologists in training, anesthesia researchers, 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 participation in this CME activity, learners should be able to:
• Recognize the current state of emerging knowledge and practice patterns and assess the relevance for their professional practice;
• Incorporate new knowledge from advances in anesthesiology practice into their professional practice areas; and
• Recognize gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

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

American Medical Association (AMA) Credit Designation Statement
The International Anesthesia Research Society designates this live activity for a maximum of 25 "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. Online CME will be available one week following the Annual Meeting. A link to access the Annual Meeting CME will be emailed to all attendees.

Maintenance of Certification in Anesthesiology
If you wish to have your credits from this educational activity reported to the ABA for the Maintenance of Certification in Anesthesiology Program® (MOCA®), enter your ABA ID, as part of your profile in the online credit reporting system mentioned above. The IARS will forward your CME credits to the ABA following the Annual Meeting on a quarterly basis (March, June, September and December).

Disclosures
The IARS complies with ACCME Essential Areas, Standards, and Policies regarding industry support of CME activities. The IARS has implemented policies and practices with respect to the planning, implementation, and presentation of this activity to identify and resolve potential conflicts of interest for all persons in a position to control content. Disclosure information is provided with your attendee materials.

About the IARS
The IARS is anesthesiology’s non-political organization focused on providing scientific and evidence-based anesthesia care. Founded in 1922, the IARS contributes more than $1 million annually to fund anesthesia research and provides a forum for leaders in anesthesia research to share information and ideas. The Societypublishes the Anesthesia & Analgesia Journal, and sponsors the SmartTots initiative in partnership with the FDA. Membership includes physicians and others engaged in anesthesia-related practice, research, and training worldwide.
8:00 am – 9:30 am
Opening General Session
T.H. Seldon Memorial Lecture

Global Challenges in Anesthesia: Are We Doing Enough?

Angela Enright, OC, MB, FRCPC
Clinical Professor of Anesthesia, University of British Columbia
Anesthesiologist, Vancouver Island Health Authority
Victoria, British Columbia, Canada

• Dr. Enright served as the CAS President in 1994-95.
• In 2000, she was appointed Chair of the Education Committee of the World Federation of Societies of Anaesthesiologists (WFSA).
• In 2008, she was elected as WFSA President for a four-year term.

Well-known both nationally and internationally, Dr. Enright has been widely recognized for her significant humanitarian efforts and contributions to the profession. She received the Officer of the Order of Canada in 2010 and was awarded the Queen Elizabeth II Diamond Jubilee Medal in 2012.

Dr. Angela Enright was given the honor of delivering the inaugural Dr. Angela Enright Lecture at the 2012 CAS Annual Meeting in Quebec City. In 2008, Dr. Enright became heavily involved with the global pulse oximetry project of the World Health Organization in developing educational and training materials and facilitating the formation of Lifebox to purchase and distribute oximeters.

Through CAS, Dr. Enright has also been very active in CAS IEF, including working with the American Society of Anesthesiologists and the National University of Rwanda to develop a training program in anesthesia for physicians.

Dr. Enright has a particular interest in education in low-resource areas and chaired the board of the CAS International Educational Foundation (CAS IEF) for many years. During that time, she started a residency training program in Rwanda which is now just entering its seventh year.

In 2009, Dr Enright was awarded the Gold Medal of the Irish College of Anaesthetists, only the second time this has been awarded. In 2012, she was admitted to Honorary Membership of the Association of Anaesthetists of Great Britain and Ireland for Distinguished Services to the Science and Art of Anaesthesia.

Also, Dr. Enright was the recipient of the American Society of Anesthesiologists’ (ASA) 2012 Nicholas M Greene, MD Award for Outstanding Humanitarian Contribution. This award recognizes Dr. Enright’s commitment to humanitarian aid, as well as her contributions to anesthesia and training. The Committee on Global Humanitarian Outreach also recognized Dr. Enright’s “fine work” and the “unique sacrifice” she has made in serving others in the international community.

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.
RCL-01 • 10:00 am – 10:55 am
ANESTHESIA ADVANCED CIRCULATORY LIFE SUPPORT

Presenter: Vivek K. Moitra, MD, Associate Clinical Professor of Anesthesiology, Associate Medical Director, Surgical Intensive Care Unit Associate Program Director, Critical Care Medicine Fellowship, Division of Critical Care, Columbia University College of Physicians and Surgeons, New York, New York

Learner Objectives: After participating in this lecture, the learner will be able to: (1) Recognize the clinical features and causes of an intraoperative cardiac arrest; (2) Compare the differences between the management of an intraoperative arrest and the management of an out of hospital arrest; and (3) Learn how to treat a patient who’s clinical condition is progressing to shock.

RCL-02 • 11:00 am – 11:55 am
TEN (10) THINGS YOU ALWAYS WANTED TO KNOW ABOUT PEDIATRIC ANESTHESIA

Presenter: Peter J. Davis, MD, Anesthesiologist-in-Chief, Children’s Hospital of Pittsburgh; Professor of Anesthesiology and Pediatrics, University of Pittsburgh School of Medicine, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, Pennsylvania

Presenter: Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital in Chicago; Professor of Anesthesiology and Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

Learner Objectives: After participating in this lecture, the learner will be able to: (1) Describe the ten common myths about pediatric anesthesia; (2) Navigate through the quagmire of myths that exist in pediatric anesthesia; and (3) Identify an evidence-based approach to solving myths.
**RCL-03 • 1:00 pm – 1:55 pm**

**THERAPEUTIC POTENTIAL OF MESENCHYMAL STROMAL CELL THERAPY FOR ACUTE RESPIRATORY DISTRESS SYNDROME**

**Presenter:** John G. Laffey, MD, Chief, Department of Anesthesia, Scientist, Keenan Research Centre; St. Michael’s Hospital, Professor, Anesthesia and Physiology, University of Toronto, Toronto, Ontario, Canada

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Identify the different types of cell based therapies (2) Determine the rationale for considering mesenchymal stromal cells to be particularly promising as a therapy for ARDS; and (3) Critically appraise the pitfalls and hurdles that must be overcome to translate mesenchymal stromal cells to a clinical therapy for ARDS.

**RCL-04 • 2:00 pm – 2:55 pm**

**VALUE BASED CARE: THE ROLE OF THE ANESTHESIOLOGIST**

**Presenter:** Lee A. Fleisher, MD, Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care, Professor of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, Pennsylvania, Past President, Association of University Anesthesiologists

**Learner Objectives:** After participating in this lecture, the learner will be able to: (1) Describe payment and quality measures under the affordable care act; (2) Discuss how the anesthesiologist can impact the value equation; and (3) Identify how value is measured.

**RCL-05 • 3:00 pm – 3:55 pm**

**BEATING JOE CAMEL: HOW ADDRESSING TOBACCO USE HELPS YOUR PATIENTS AND YOUR PRACTICE**

**Presenter:** David O. Warner, MD, Director, Research Management Programs, Mayo Clinic Center for Clinical and Translational Science (CCaTS), Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota

**Learner Objectives:** After participating in this lecture the learner will be able to: (1) Describe the benefits of abstinence from cigarette smoking to surgical outcomes; (2) Debunk putative barriers to providing tobacco use interventions to surgical patients; (3) Incorporate simple, brief, effective tobacco use interventions into your practice that will: a) add additional reimbursement from payers, b) meet the requirements of a new PQRS quality measure, and 3) meet the requirements of a Part 4 Maintenance of Certification in Anesthesiology (MOCA) activity.

**RCL-06 • 4:00 pm – 4:55 pm**

**CONTROVERSIES IN PATIENT SAFETY: MAKING PERIOPERATIVE CARE SAFER IN 2014**

**Presenter:** Avery Tung, MD, Professor Quality Chief for Anesthesia, Department of Anesthesia and Critical Care, University of Chicago, Chicago, Illinois

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Review the history and current effectiveness of current hospital and perioperative quality programs; and (2) Explore and discuss future strategies for improving perioperative care.
PANELS – continued

RESIDENT PANEL • 1:00 pm – 3:00 pm

CHANGING HEALTHCARE AND ITS DEMANDS: PREPARE YOURSELF FOR THE FUTURE

Moderator: Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital of Chicago, Professor of Anesthesiology and Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

Presenters:
- Academic Anesthesia – Can You Make the Cut?
  David O. Warner, MD, Director, Research Management Programs, Mayo Clinic Center for Clinical and Translational Science (CCaTS), Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota
- Fellowship Training – Pride or Prejudice
  James P. Rathmell, MD, Executive Vice Chair and Chief, Division of Pain Medicine, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Henry Knowles Beecher Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts
- Opportunities in Private Practice in Anesthesia: Does This Still Exist?
  Aubrey Maze, MD, FAAP, Chief Executive Officer, Valley Anesthesiology Consultants, Clinical Professor of Anesthesiology, University of Arizona, Phoenix, Arizona
- The Ten Most Difficult Questions from OpenAnesthesia Explained
  Edward C. Nemergut, MD, Associate Professor of Anesthesiology and Neurological Surgery, Program Director, Department of Anesthesiology, University of Virginia, Charlottesville, Virginia; Editor-in-Chief, OpenAnesthesia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify career paths in Academic Anesthesia, (2) Discuss Fellowship Training opportunities; (3) Discuss opportunities in private practice; and (4) Learn the most difficult anesthesia questions from the OpenAnesthesia education portal.
P-03 • 4:00 pm – 5:30 pm
FROM HEALTH POLICY TO RESEARCH THAT INFLUENCES ADOPTION AND CARE

Moderator: Lee A. Fleisher, MD

Panelists:

- The Perioperative Surgical Home in The Context of Policy Debate
  Keith A. (Tony) Jones, MD, Alfred Habeeb Professor and Chair, Department of Anesthesiology, The University of Alabama at Birmingham, Birmingham, Alabama

- The Role of ICU Research In Shaping ICU Policy
  Hannah Wunsch, MD, Assistant Professor of Anesthesiology, Department of Anesthesiology and Critical Care Medicine, Columbia University Medical Center, New York, New York

- How Understanding Policy Can Influence a Health Services Research Career
  Lee A. Fleisher, MD, Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care, Professor of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, Pennsylvania, Past President, Association of University Anesthesiologists

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify policy decisions that suggest questions; (2) Discuss (design) studies which policy makers might adopt; and (3) See where international comparisons can define areas in which policy should change.

WORKSHOPS

W-01 • 10:00 am – 2:00 pm
SOCCA CRITICAL CARE ULTRASOUND WORKSHOP

Workshop Leaders:

Steven G. Venticinque, MD, Professor of Clinical Anesthesiology and Surgery, Cardiac Anesthesia and Critical Care Medicine Faculty, University of Texas Health Science Center, San Antonio, Texas

Antonio Hernandez, MD, Associate Professor of Clinical Anesthesiology, Cardiac Anesthesia and Critical Care Medicine Faculty, Vanderbilt University Medical Center, Nashville, Tennessee

Workshop Presenters:

Sean Kiley, MD, Assistant Professor of Anesthesiology, Department of Anesthesiology, Division of Critical Care Medicine, University of Florida's College of Medicine, Gainesville, Florida

Joseph Meltzer, MD, UCLA Department of Anesthesiology, Ronald Reagan UCLA Medical Center, Los Angeles, California

Aliaksei Pustavoitau, MD, Assistant Professor of Anesthesiology and Critical Care Medicine, The Johns Hopkins Hospital, Baltimore, Maryland

Peter von Homeyer, MD, Assistant Professor of Anesthesiology, University of Washington School of Medicine, Department of Anesthesiology, Seattle, Washington

The Society of Critical Care Anesthesiologists (SOCCA) will be conducting a four-hour critical care ultrasound workshop utilizing focused lectures, hands-on training with live models, simulators, and state-of-the-art ultrasound equipment. This course is designed to teach the participant the fundamentals of bedside critical care ultrasonography including: basic surface ultrasound views of the heart, lungs, and pleural space using views outlined in the Focused Assessed Transthoracic Echo (FATE) exam. The immediate goal of the workshop is for the participants to be able to utilize bedside surface ultrasonography as a diagnostic tool for the evaluation of patients with hemodynamic instability and/or respiratory failure in the perioperative setting. The use of diagnostic ultrasound for assessing A-ACLS related conditions will also be emphasized.

Learner Objectives: After participating in this activity, the learner will be able to: 1) Describe and demonstrate basic surface ultrasound views of the heart, lungs, and pleural space; (2) Discuss and demonstrate the use of transthoracic ultrasound in pleural and lung assessment, including pleural effusions and pneumothorax; (3) Discuss and demonstrate a basic ultrasound assessment of ventricular volume, the pericardial space, and intravascular volume; (4) Describe and demonstrate the use of ultrasonography for the evaluation of a patient hemodynamic instability and Anesthesia-ACLS-related conditions.

White Papers Open June 2014 for the IARS 2015 Annual Meeting!
Submit Your Session Proposal for a Chance to Present in Hawaii!

IARS will be accepting proposals for Panels, Problem-Based Learning Discussion (PBLD’s) sessions, and Workshops for possible inclusion in the IARS 2015 Annual Meeting and International Science Symposium in Honolulu, Hawaii.

Instructions for submitting a white paper will be available on the IARS website following the IARS 2014 Annual Meeting. Check back and make sure you don’t miss this great opportunity!
Saturday, May 17, 2014

WORKSHOPS – continued

W-02 • 2:15 pm – 5:00 pm

SOCCA – PERIOPERATIVE ACLS SIMULATION WORKSHOP

**Workshop Leader:** Vivek Moitra, MD, Associate Clinical Professor of Anesthesiology, Associate Director, Surgical Intensive Care Unit Associate Program Director, Critical Care Medicine Fellowship, Division of Critical Care, Columbia University College of Physicians and Surgeons, New York, New York

**Workshop Presenters:**

Carlee A. Clark MD, Assistant Professor, Department of Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

Larry C. Field MD, Associate Professor, Chief, Division of Critical Care, Department of Anesthesia & Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

William R. Hand, MD, Assistant Professor, Department of Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

Joseph Meltzer, MD, UCLA Department of Anesthesiology, Ronald Reagan UCLA Medical Center, Los Angeles, California

Mark E. Nunnally, MD, FCCM, Associate Professor, Department of Anesthesiology & Critical Care, University of Chicago, Chicago, Illinois

Annette Rebel, MD, Assistant Professor of Anesthesiology, University of Kentucky College of Medicine, Department of Anesthesiology, UK Chandler Medical Center, Lexington, Kentucky

This simulation workshop will focus on Perioperative (Anesthesia-Centric) ACLS, which addresses content related to perioperative urgencies: emergencies of cardiac, pulmonary, neurologic, metabolic/endocrine, and toxin origin. The workshop will begin with a 45-minute didactic and Q&A session. The simulation sessions will follow with each scenario being 15 minutes long with a 25- to 30-minute debrief afterward that will take into account the workshop objectives. A 5-minute break will be given between each station. There will be 4 scenarios per workshop with each station covering a different perioperative emergency. There will be a team leader and a first responder at each station. The other participants will fill scripted roles to which they will be introduced (nurse, surgeon, tech, etc.) and one participant will play the observer role in order to give feedback to the team (along with the facilitator).

3:15 pm – 5:15 pm

RESIDENT REGIONAL ULTRASOUND GUIDED WORKSHOP

**Workshop Leader:** Santhanam Suresh, MD, FAAP, Ann & Robert H. Lurie Children’s Hospital of Chicago and Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

**Workshop Presenters:**

Juan Francisco Asenjo, MD, Montréal General Hospital, McGill University Health Centre, Montréal (Quebec) Canada

Vincent W.S. Chan, MD, FRCPC, University of Toronto, Toronto Western Hospital, Toronto, Ontario, Canada

Andrew D. Rosenberg, MD, Professor of Anesthesiology and Dorothy Reaves Spatz MD Chair of the Department of Anesthesiology, NYU School of Medicine, New York, New York

Learn from the experts the essential techniques for practicing regional ultrasound at this special residents-only workshop.

PROBLEM-BASED LEARNING DISCUSSIONS – 12:00 – 1:00 pm

**APSF PBLD-SAT-01**

NERVE INJURIES: MECHANISMS AND LIABILITIES

**Moderator:** Richard C. Prielipp, MD, MBA, FCCM, J.J. Buckley Professor and Chair, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota, APSF Executive Committee and Chairman, Committee on Education and Training

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Describe the ethical and logical basis for “informed consent” in surgery: (a) Is a SEPARATE (written) anesthesia consent form necessary for our care?; (2) Explain why the ulnar nerve is the most commonly cited peripheral nerve injury in major medical-legal tort cases; (3) Know the best ways to protect the patient while positioning the arms in surgery, and how to document that care in the medical record; (4) Become familiar with similarities and differences between ulnar and femoral nerve injuries; (5) Identify advantages and limitations of ultrasound for placement of femoral nerve blocks; (6) Know the risks of direct needle penetration to a peripheral nerve during placement of a regional block: (a) Recognize this intrinsic risk to the procedure; and (7) Appreciate the proper steps to implement once notified of a patient with a suspected nerve injury after surgery.
PBLD-SAT-02
A COMPLEX CHALLENGE: SPINAL INSTRUMENTATION REQUIRING AGGRESSIVE RESUSCITATION TECHNIQUES AND MULTIMODAL ANALGESIA

Moderator: Elizabeth Brady Mahanna, MD, Assistant Professor of Anesthesiology, Divisions of Critical Care Medicine and Neuroanesthesia, University of Florida, Gainesville, Florida

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe airway management techniques in a patient with rheumatoid arthritis; (2) Discuss intraoperative multimodal analgesia options in a chronic pain patient; (3) Identify pros and cons of 1:1:1 transfusion practice versus point-of-care and factor concentrate in massive transfusion; (1) Comprehend how to interpret viscoelastic thromboelastograms.

PBLD-SAT-03
OPEN HERNIA REPAIR: GENERAL ANESTHESIA, SPINAL ANESTHESIA OR LOCAL ANESTHESIA?
A MULTI-MEDIA LEARNING DISCUSSION INCLUDING SIMULATION TRAINING

Moderator: Thomas M. Hemmerling, MD, DEAA, Associate Professor, Department of Anesthesia, McGill University, MUHC, Institute of Biomedical engineering, University de Montreal, Director, ITAG Laboratory, Associate Director, Arnold and Blemel Steinberg Medical Simulation Centre, Montreal General Hospital, Montreal, Quebec, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the surgical technique; (2) Learn the advantages and disadvantages of several anesthetic techniques; and (3) Experience several local techniques and optimal perioperative management.

PBLD-SAT-04
MANAGEMENT OF NEUROLOGIC COMPLICATIONS

Moderators:
James R. Hebl, MD, Professor, Anesthesiology, Mayo Clinic, Rochester, Minnesota
Joseph M. Neal, MD, Anesthesiology Faculty, Virginia Mason Medical Center, Seattle, Washington

Learner Objectives: After participating in this activity, the learner will be able to: (1) Recognize those risk factors that may predispose patients to neurologic injury; (2) Select tests that may best aid in diagnosis or prognostication; (3) Plan treatment interventions that may improve outcome after injury.

Anesthesia & Analgesia Case Reports is the only journal dedicated to patient cases in all areas of anesthesiology. This online-only journal contains patient cases that highlight important teaching points or scientific observations in disciplines related to anesthesiology: perioperative medicine, critical care, and pain management.

Each A&A Case Reports Lunch Session provides the opportunity for attendees to examine with the authors patient cases, published in the Journal, and engage in expert discussion following each presentation.

A&A Case Reports Session Schedule
Saturday, May 17  12:00 pm – 1:00 pm
Sunday, May 18  12:30 pm – 1:30 pm
Monday, May 19  12:30 pm – 1:30 pm
1:00 pm – 4:00 pm

Evidence-Based Decision-Making, Health Technology Assessment, and Knowledge Translation for Anesthesia and Perioperative Medicine (EBDM, HTA & KT)

Moderator
Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE

Presenters

The Perils of Bias, and Evidence Reversals in Decision-Making
Janet Martin, PharmD, MSc (HTA), PhD,
Director, MEDICI Center and Assistant Professor, Department of Anesthesia and Perioperative Medicine, Western University, London, Ontario, Canada

Why Do We Need Health Technology Assessment?
Maurice McGregor, OC, OO, MB BCh, FRCP(London), FRCPC, FACC, Professor Emeritus and Founding Chair, HTA Unit McGill University Health Centre Institution/Organization: McGill University, Montréal, Quebec, Canada

Tools and Techniques for Getting Evidence into Practice
Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, CCPE,
Distinguished University Professor and Chair; Medical Director, MEDICI Centre, Department of Anesthesia and Perioperative Medicine, Western University, London, Ontario, Canada

Panel Discussion:
Forefront of Evidence-Based Decision-Making and Knowledge Translation in Perioperative Medicine Using Interactive Case Studies

Learner Objectives:
After participating in this activity, the learner will be able to: (1) Compare and contrast intuitive decision-making (bias-riddled) versus evidence-based decision-making (bias-minimized); (2) Use tools and techniques for individual patient-level decision-making and for health policy-making; (3) Navigate decision-making when existing evidence appears to be contradictory using hot topics of relevance to anesthesia and perioperative medicine (i.e. specific topics will depend on what is “hot” in spring 2014, but may include TAVI, OPCAB surgery, EPO preop, BIS/neuro-monitoring, Antifibrinolytics, pre-operative testing, colloids vs. crystalloids, and a variety of examples from minimally-invasive surgery); and (4) Identify specific ways that anesthesiologists can contribute to the growing field of health technology assessment and knowledge translation (HTA & KT).
Resident Symposium
Saturday, May 17, 1:00 – 3:00 pm
Panel: Changing Healthcare and its Demands: Prepare Yourself for the Future

Moderator: Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital of Chicago; Professor of Anesthesiology and Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

Presenters

Academic Anesthesia – Can You Make the Cut?
David O. Warner, MD, Director, Research Management Programs, Mayo Clinic Center for Clinical and Translational Science (CCaTS), Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota

Fellowship Training – Pride or Prejudice
James P. Rathmell, MD, Executive Vice Chair and Chief, Division of Pain Medicine, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Henry Knowles Beecher Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts

Opportunities in Private Practice in Anesthesia: Does This Still Exist?
Aubrey Maze, MD, FAAP, Chief Executive Officer, Valley Anesthesiology Consultants, Clinical Professor of Anesthesiology, University of Arizona, Phoenix, Arizona

The Ten Most Difficult Questions from OpenAnesthesia Explained
Edward C. Nemergut, MD, Associate Professor of Anesthesiology and Neurological Surgery, Program Director, Department of Anesthesiology, University of Virginia, Charlottesville, Virginia; Editor-in-Chief, OpenAnesthesia

Saturday, May 17, 3:15 – 5:15 pm
Regional Ultrasound Guided Workshop

Presenters

Juan Francisco Asenjo, MD, Montréal General Hospital, McGill University Health Centre, Montréal, Québec, Canada

Vincent W.S. Chan, MD, FRCPC, University of Toronto, Toronto Western Hospital, Toronto, Ontario, Canada

Andrew D. Rosenberg, MD, Professor of Anesthesiology and Dorothy Reaves Spatz MD Chair of the Department of Anesthesiology, NYU School of Medicine, New York, New York

Santhanam Suresh, MD, FAAP, Ann & Robert H. Lurie Children’s Hospital of Chicago and Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

Sunday, May 18, 7:30 – 8:30 am
Abstract Awards Session

Compete for a $1,000 prize and the honor of being named Best Resident Abstract at the IARS 2014 Annual Meeting

Sunday, May 18, 8:30 – 10:00 am
Workshop: Your Employment Contract: Things You Don’t Want to Miss!

Presenters

Aubrey Maze, MD, FAAP, Chief Executive Officer, Valley Anesthesiology Consultants, Clinical Professor of Anesthesiology, University of Arizona, Phoenix, Arizona

Joseph W. Szokol, MD, JD, MBA, Vice Chairman, Department of Anesthesiology, NorthShore University HealthSystem, Evanston, Illinois, Clinical Professor of Anesthesia and Critical Care, University of Chicago Pritzker School of Medicine, Chicago, Illinois
REVIEW COURSE LECTURES

RCL-07 • 7:00 am – 7:55 am
RISK STRATIFICATION AND ASSESSMENT OF THE OLDER SURGICAL PATIENT: ARE WE MISSING SOMETHING?

Presenter: Leanne Groban, MD, Professor, Cardiothoracic Anesthesiology Hypertension and Vascular Research Center, Office of Women in Medicine and Science, Sticht Center on Aging, Wake Forest Baptist Medical Center, Winston-Salem, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the value and limitations of using traditional risk assessment tools in predicting recovery and outcome in older surgical patients. (2) Define the outcome measures that are important in this population, e.g. return to independence, physical function, “happy days”; and (3) Apply geriatric-specific measures of risk assessment, including mobility, nutritional status, cognitive function, and frailty status, to aid in pre- or postoperative care strategies that may improve outcomes in older surgical patients.

RCL-08 • 8:00 am – 8:55 am
ACUTE CARE OF TRAUMATIC SPINAL CORD INJURY

Presenter: Arman Dagal, MD, FRCA, Assistant Professor, Department of Anesthesiology and Pain Medicine and Department of Orthopaedics and Sport Medicine, Adjunct Assistant Professor of Neurological Surgery, Division Head of Spine and Orthopaedic Anesthesia Services, Harborview Medical Center, University of Washington, Seattle, Washington

Learner Objectives: After participating in this activity, the learner will be able to: (1) Analyze the spinal cord injury burden; (2) Examine and validate the proposed treatment options in acute spinal cord injury care; and (3) Describe the established and emerging concepts in spinal cord perfusion.

RCL-09 • 9:00 am – 9:55 am
TTE AND PERIOPERATIVE MEDICINE: WHY YOU SHOULD LEARN IT

Presenter: Joshua M. Zimmerman, MD, FASE, Associate Professor, Medical Director, Preoperative Clinic, Director of Education, Perioperative Echocardiography, University of Utah Department of Anesthesiology, Salt Lake City, Utah
Sunday, May 18, 2014

RCL-10 • 10:30 am – 11:25 am

BIS MONITORING AND PERIOPERATIVE OUTCOMES: DOES IT MAKE A DIFFERENCE?

Presenter: Michael Avidan, MBBCh, FCASA, Professor of Anesthesiology and Cardiotoracic Surgery; Division Chief, CT Anesthesiology and CT Intensive Care; Director, Institute of Quality Improvement, Research and Informatics, Washington University School of Medicine, St. Louis, Missouri, Secretary, Association of University Anesthesiologists

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe how awareness might be generated and memories might be formed; (2) Describe evidence-based decision pathways to prevent intraoperative awareness; (3) Discuss the controversies surrounding over-and-under-dosing of anesthesia; and (4) Discuss key features and limitations of depth of anesthesia monitors.

RCL-11 • 11:30 am – 12:25 pm

TIGHTEN YOUR BELTS! REDUCE YOUR TRANSFUSION COSTS WITH PRE-OPERATIVE MANAGEMENT OF ANEMIC PATIENTS

Presenter: Thomas Vetter, MD, MPH, Maurice S. Albin Professor of Anesthesiology and Vice Chair Director, Division of Pain Medicine Medical Director, UAB Preoperative Assessment, Consultation and Treatment Clinic

Professor of Gerontology, Geriatrics, and Palliative Care, Professor of Pediatrics, University of Alabama at Birmingham School of Medicine; Professor of Health Care Organization and Policy, University of Alabama at Birmingham School of Public Health

Learner Objectives: After participating in this activity, the learner will be able to: (1) Provide data-based rationale for perioperative patient-centered blood management; (2) Identify the fundamentals of a preoperative anemia management program (PAMP); (3) Review the development and implementation of an anesthesiology-based PAMP; (4) Define the role of an anesthesiology-based PAMP in a Perioperative Surgical Home Model; and (5) Propose a business model that demonstrates cost savings and “added value” of a PAMP.

RCL-12 • 1:30 pm – 2:25 pm

ANESTHESIA FOR ELECTROPHYSIOLOGY

Presenter: Daniel Bainbridge, MD, FRCPC, Associate Professor and Director of Cardiac Anesthesia, Department of Anesthesia & Perioperative Medicine, London Health Sciences Center, Western University, London, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the pathophysiology of atrial fibrillation, atrial flutter and WPW syndrome; (2) Discuss and identify approaches to anesthesia (Sedation vs. General Anesthesia) and the advantages and disadvantages to each approach; and (3) Discuss potential complications and treatment options following EP procedures.

PANELS

P-04 • 7:00 am – 8:30 am

PRACTICE ADVISORY ON NEUROLOGICAL COMPLICATIONS OF REGIONAL ANESTHESIA

Moderator: Joseph M. Neal, MD

Panelists:

- Neuraxial Complications Associated with Regional Anesthesia
  Joseph M. Neal, MD, Anesthesiology Faculty, Virginia Mason Medical Center, Seattle, Washington

  Learner Objectives: After participating in this activity, the learner will be able to: (1) Integrate the pathophysiology of neuraxial injury with clinical recommendations that may reduce patient injury; (2) Distinguish those patient management practices that may affect neuraxial injury; and (3) Identify those emerging conditions that have been associated with neuraxial injury in the setting of regional anesthesia.

- Peripheral Nerve Complications Associated with Regional Anesthesia
  Richard Brull, MD, Associate Professor, University of Toronto, Toronto, Ontario, Canada

  Learner Objectives: After participating in this activity, the learner will be able to: (1) Integrate the pathophysiology of peripheral nerve injury with clinical recommendations that may reduce patient injury; (2) Distinguish those patient management practices that may affect peripheral injury; and (3) Assess the relative value of monitoring options for reducing the likelihood of peripheral nerve injury.

- Performing Regional Anesthesia in Patients with Pre-Existing Neurological Disease
  James R. Hebl, MD, Professor, Anesthesiology, Mayo Clinic, Rochester, Minnesota

  Learner Objectives: After participating in this activity, the learner will be able to: (1) Differentiate those pre-existing patient conditions that may increase the risk of perioperative neurologic injury; (2) Describe modifications to anesthetic technique that may theoretically lessen the risk of injury in patients with pre-existing disease; and (3) Identify those non-anesthetic conditions that contribute to perioperative nerve injury.
8:00 am – 11:00 am

International Science Symposium

Inflammation and its Perioperative Implications

Moderator

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

Immunotherapy of Sepsis – Promises and Pitfalls
Richard Hotchkiss, MD
Professor of Anesthesiology, Medicine, and Surgery,
Molecular Biology and Pharmacology
Washington University School of Medicine
St. Louis, Missouri

Failure to Resolve Inflammation – Pathogenesis for Postoperative Complications
Mervyn Maze, MB ChB, FRCP, FRCA, FMedSci
William K. Hamilton Distinguished Professor of Anesthesiology
Professor and Chair, Department of Anesthesia and
Perioperative Care
UCSF School of Medicine
San Francisco, California

MicroRNAs in the Resolution of Perioperative Inflammation
Holger K. Eltzschig, MD, PhD
Professor of Anesthesiology, Medicine,
Cell Biology and Immunology
Director, Organ Protection Program
Department of Anesthesiology
University of Colorado School of Medicine
Denver, Colorado
PANELS – continued

OPTIMIZING PATIENTS UNDERGOING SURGERY

Moderators:
Andreas Hoeft, MD PhD, Professor of Anesthesiology, Chair, Department of Anesthesiology and Intensive Care Medicine, University of Bonn, Bonn, Germany
Keith A. (Tony) Jones, MD, Alfred Habeel Professor and Chair, Department of Anesthesiology, University of Alabama, Birmingham, Alabama

- Can We Identify the Patient Prone For Postoperative Complications?
  Andreas Hoeft, MD PhD, Professor of Anesthesiology, Chair, Department of Anesthesiology and Intensive Care Medicine, University of Bonn, Bonn, Germany

- Perioperative Fluid Therapy: Should We Abandon Saline and Do We Need Colloids?
  Robert Hahn, MD, PhD, Head of Research, Södertälje Hospital, Södertälje, Sweden, Professor of anaesthesia & intensive care, Linkoping University, Registered researcher and Associate professor (docent), Karolinska Institutet, Stockholm, Sweden

- Multimodal Anesthesia: Are Adjuvant Substances to Standard Balanced Anesthesia Useful?
  Claude Meistelman, MD, Professor of Anesthesiology, Chair, Department of Anesthesiology and Intensive Care Medicine, Hopital de Brabois, Université de Lorraine, France

- Perioperative Goal Directed Therapy: Which Patients, Which Tools?
  Wolfgang Buhre, MD, Professor of Anesthesiology, Chair, Department of Anesthesiology and Pain Medicine University Medical Center Maastricht, The Netherlands

Learner Objectives: After participating in this activity, the learner will be able to: (1) Name the primary risk factors for postoperative complications in surgical patients; (2) Know the primary pro and con arguments for performing fluid resuscitation using saline and/or colloid solutions; (3) Be able to understand the benefits and drawbacks of drugs of interest as additives to conventional standard balanced anesthesia; and (4) Name the patient groups for whom recent studies show clear benefit of goal-directed fluid therapy.

Listed sessions and presenters are as of press time and subject to change.
**PANELS – continued**

**A&A**

P-07 • 8:30 am – 10:00 am

ANESTHESIA & ANALGESIA

REVIEWER GUIDANCE PANEL: HOW TO BECOME A GOOD REVIEWER

**Moderator:** Mark Rice, MD

**Panelists:**

- **How (and Why) Should I Become a Reviewer?**
  - Administrative Set-up of the Journal
  - Review Process
  
  **Steven L. Shafer, MD, Professor of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, California, Editor-In-Chief, Anesthesia & Analgesia**

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Decide if he / she should become a reviewer; (2) Understand the administrative set-up of Anesthesia & Analgesia; and (3) Outline the entire review process for submitted manuscript.

- **You Have a Manuscript to Review. Now What?**
  - Ready to Write the Review
  - Specifics of Review

  **Mark J. Rice, MD, Section Chief, Liver Transplantation and General Surgery Sections, Department of Anesthesiology, University of Florida College of Medicine, Gainesville, Florida**

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Devise a plan for reviewing a manuscript; (2) Utilize ideas to improve a manuscript; and (3) Relate how to provide a constructive review.

- **Submitting Review**
  - Editor’s Responsibility

  **Sorin Brull, MD, FCARCSI (Hon), Professor of Anesthesiology, Mayo Clinic, College of Medicine, Consultant, Department of Anesthesiology, Mayo Clinic, Jacksonville, Florida; Clinical Professor (Courtesy), Department of Anesthesiology, University of Florida, Gainesville, Florida**

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Utilize the editorial manager to submit a review; (2) Point out the editor’s responsibility in the review process; and (3) Explain the revision process of Anesthesia & Analgesia

**P-08 • 10:30 am – 11:30 am**

PART I: ASSESSMENT PROGRAMS FOR PRIMARY CERTIFICATION IN ANESTHESIOLOGY

- Description of the traditional Part 1 and Part 2 Examinations
- Overview of the Part 2 Examination process, including specific areas evaluated in the exam, common problems encountered by candidates, and discussion of the successful candidate
- Transition to the new Staged Examinations, including overview of the BASIC, ADVANCED and APPLIED Examinations

PART II: MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY PROGRAM (MOCA®)

- Part 1: Assessments of Medical Licensure
- Part 2: CME Activities
- Part 3: Cognitive Examination and Prerequisites
- Part 4: Practice Performance Assessment and Improvement
- Diplomates’ online portal accounts
- MOCA®-SUBS for maintenance of subspecialty certification

**Panelists:**

- **James P. Rathmell, MD, Executive Vice Chair and Chief, Division of Pain Medicine, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Henry Knowles Beecher Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts**

- **Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital of Chicago, Professor of Anesthesiology and Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois**

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P-09 • 10:30 am – 12:00 pm
TACKLING INPATIENT-TYPE PROBLEMS IN THE OUTPATIENT SETTING

Moderator: Kumar Belani, MD

Panelists:

- **Implanted Cardiac Devices**
  
  Alan P. Marco, MD, MMM, FACPE, Dean of Faculty and Clinical Affairs at the Wright State University Boonshoft School of Medicine and President and CEO of Wright State Physicians, Dayton, Ohio

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Identify types of devices used by ambulatory patients and how they work; (2) Determine which devices can be handled by their facility; and (3) Recognize how the procedures/anesthetics may influence a patient’s device.

- **Difficult Airway in the ASC Setting**
  
  Girish P. Joshi, MB, BS, MD, FFARCSI, Professor of Anesthesiology and Pain Management at the University of Texas Southwestern Medical School, Director of Perioperative Medicine and Ambulatory Anesthesia at Parkland Health and Hospital Systems, Dallas, Texas

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Recognize difficult mask ventilation and difficult tracheal intubation; (2) Be familiar with the management of a patient with unrecognized difficult airway in an ambulatory surgery setting; and (3) Discuss the plan for tracheal extubation and postoperative care in these patients.

- **MH Patients in an ASC: Pro**
  
  Kumar Belani, MD, Professor, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota

- **MH Patients in an ASC: Con**
  
  Richard D. Urman, MD, MBA, Director, Procedural Sedation Management, Attending Anesthesiologist, Brigham and Women’s Hospital, Instructor, Harvard Medical School, Boston, Massachusetts

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Effectively determine the risk of MH compared to an index case; (2) Identify what diseases are genetically linked to MH; and (3) Assess their facility for preparedness for an MH crisis.

P-10 • 1:30 pm – 3:00 pm
METABOLIC SYNDROME AND THE LIVER: A NEW EPIDEMIC?

Moderator: Gebhard Wagener, MD

Panelists:

- **Non-Alcoholic Fatty Liver Disease (NAFLD): The Hepatologist’s Perspective**
  
  Paul D. Berk, MD, FACP, Professor of Medicine, Department of Medicine, Division of Digestive and Liver Disease, College of Physicians & Surgeons of Columbia University, New York, New York

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Describe the pathophysiologic relationship between obesity and liver dysfunction; (2) Learn the definition of nonalcoholic steatohepatitis-NASH and non-alcoholic fatty liver disease – NAFLD; (3) Recognize the clinical presentation of non-alcoholic fatty liver disease; (4) Appreciate the effect of the obesity epidemic on the incidence of liver dysfunction and NAFLD; and (5) Delineate treatment options and outcome for NAFLD.

- **Non-Alcoholic Fatty Liver Disease (NAFLD):**
  
  Roman Schumann, MD, Vice Chair for Academic Affairs, Department of Anesthesiology, Tufts Medical Center, Staff Anesthesiologist, Department of Anesthesiology, Tufts Medical Center, Boston, Massachusetts

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Describe the anesthetic implications of obesity and liver dysfunction on patients undergoing major surgery; (2) Recognize the limitations of conventional liver function tests in the diagnosis of obesity induced liver dysfunction; (3) Comprehend the role of dynamic liver function tests in the assessment of liver function; (4) Develop an anesthetic plan for patients with metabolic syndrome and obesity induced liver dysfunction; and (5) Realize common perioperative complications and pitfalls in these patients.

- **Liver Transplantation in 2014: Where are We and Where are We Going?**
  
  Gebhard Wagener, MD, Associate Professor of Clinical Anesthesiology, Chief, Division of Vascular Anesthesia, Member, Divisions of Critical Care Medicine and Liver Transplant Anesthesia, College of Physicians and Surgeons of Columbia University, New York, New York

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Describe the current role of liver transplantation as a treatment option for NAFLD; (2) Assess the indications for liver transplantation in patients with NAFLD; (3) Discuss the co-morbidities that affect the perioperative management of patients with NAFLD undergoing liver transplantation; (4) Appreciate the outcome and complications after liver transplantation for NAFLD; and (5) Explain the implications of a the “obesity epidemic” on the future of liver transplantation.
PANELS – continued

**P-11 • 1:30 pm – 3:00 pm**

**A DISTILLATION OF CURRENT PRACTICE GUIDELINES AND CONSENSUS STATEMENTS: WHAT’S NEW AND HOW CAN YOU INTEGRATE IT INTO YOUR PRACTICE?**

**Moderator:** Colleen G. Koch, MD, MS, MBA, FACC

**Panelists:**
- **2013 ASE/SCA Guidelines for Performing a Basic and Comprehensive TEE Examination**
  - Alan C. Finley, MD, Assistant Professor, Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Become aware of the current practice guidelines for performing a basic TEE examination; (2) Demonstrate components of a basic TEE examination; (3) Become aware and demonstrate components of the comprehensive TEE examination; (4) Recognize differences between the basic and comprehensive TEE examinations; and (5) Reveal how application of practice guidelines can enhance the quality of the echocardiographic examination.

- **2011 STS/SCA Update on Blood Conservation Clinical Practice Guidelines**
  - Colleen G. Koch, MD, MS, MBA, FACC, Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Vice Chair Research and Education; Department of Cardiothoracic Anesthesia, Quality and Patient Safety Institute, Cleveland Clinic, Cleveland, Ohio

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Become aware of updates to the STS/SCA blood conservation guidelines; (2) Demonstrate how application of components of the practice guidelines can enhance patient care; and (3) Recognize areas of recommendations that are in need of more research data.

- **2011 ASE/SCA Guidelines for Performing Ultrasound Guided Vascular Cannulation**
  - Chris Troianos, MD, Professor and Chief of Anesthesiology, Western Pennsylvania Hospital, Anesthesiology Residency Program Director, Allegheny Health Network, Western Campus of Temple University School of Medicine, Pittsburgh, Pennsylvania, Secretary/Treasurer, Society of Cardiovascular Anesthesiologists

  **Learner Objectives:** After participating in this activity, the learner will be able to: (1) Become aware of the 2011 ASE/SCA practice guidelines on the role of ultrasound guided vascular cannulation; (2) Demonstrate examples where application of guidelines enhanced patient outcome; and (3) Learn how to integrate guidelines into your clinical practice.
P-13 • 3:00 pm – 4:30 pm
OBESITY AND INFLAMMATORY CONDITIONS IN THE PERIOPERATIVE PERIOD

Moderator: Roman Schumann, MD, Vice Chair for Academic Affairs, Department of Anesthesiology, Tufts Medical Center, Vice Chair, Institutional Review Board, Tufts University Health Sciences, Staff Anesthesiologist, Department of Anesthesiology, Tufts Medical Center, Boston, Massachusetts

Panelists:

Stephanie Jones, MD, Vice Chair for Education, Associate Professor, Beth Israel Medical Center, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Distinguish obesity from the metabolic syndrome; (2) Associate obesity and the metabolic syndrome with the different components of the systemic inflammatory response; and (3) Discuss the influence of metabolic health on postoperative outcomes.

Michael A. E. Ramsay, MD, FRCA, Chairman, Department of Anesthesiology & Pain Management, President, Baylor Research Institute, Baylor University Medical Center at Dallas, Dallas, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss how anesthesia and surgery may adversely affect the inflammatory state associated with obesity; (2) Identify preoperative management strategies to reduce the inflammatory state associated with obesity and metabolic syndrome; and (3) Learn what measures may be put in place during the perioperative period to protect the obese patient.

Frances Chung, MBBS, FRCPC, Professor of Anesthesiology, University of Toronto, Medical Director, Combined Surgical Unit, Ambulatory Surgical Unit, University Health Network, Toronto, Ontario, Canada, President, Society of Anesthesia and Sleep Medicine (SASM)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Evaluate the association of obstructive sleep apnea with different components of the systemic inflammatory response; (2) Appraise the role of CPAP in the perioperative inflammatory response in patients with obstructive sleep apnea; and (3) Summarize the effects of CPAP on perioperative outcomes.

Mervyn Maze, MD, ChB, FRCP, FRCA, FMedSci, William K. Hamilton Distinguished Professor of Anesthesiology, Professor and Chair, Department of Anesthesiology and Perioperative Care, UCSF School of Medicine, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the role of the innate immune system in cognitive function; (2) Explain the relationship between cognitive dysfunction and sleep disorder states; and (3) Recognize the need for future research in this area.

PROBLEM-BASED LEARNING DISCUSSIONS – 12:30 – 1:30 pm

PBLD-SUN-01
MY PATIENT IS NOT WAKING UP AFTER THIS CRANIOTOMY, WHAT SHOULD I DO?

Moderator: Rafi Avitsian MD, Section Head, Neurosurgical Anesthesiology, Associate Professor of Anesthesiology, Neuroanesthesia Fellowship Program Director, Anesthesiology and Neurological Institutes, Cleveland Clinic Foundation, Cleveland, Ohio

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize the differential diagnosis of delayed emergence after general anesthesia and specific differences in craniotomies; (2) Identify the role of ancillary medications used in a variety of craniotomy cases and their role in speed of emergence; (3) Provide a systematic approach to establish a diagnosis for delayed emergence; and (4) Recognize the importance of rapid communication with the surgeon in delayed emergence and management options.

PBLD-SUN-02
ANAPHYLAXIS? WHAT DO I DO IN THE ASC?

Moderator: Kumar Belani, MD, Professor, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota

PBLD-SUN-03
OBESITY AND PERIOPERATIVE OUTCOMES – BEYOND THE OBESITY PARADOX

Moderator: Avinash Kumar, MD, FCCP, FCCM, Medical Director Neuroscience ICU, Associate Fellowship Director-Critical Care, Associate Professor Anesthesia and Critical Care, Nashville, Tennessee

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize the differential diagnosis of delayed emergence after general anesthesia and specific differences in craniotomies; (2) Identify the role of ancillary medications used in a variety of craniotomy cases and their role in speed of emergence; (3) Provide a systematic approach to establish a diagnosis for delayed emergence; and (4) Recognize the importance of rapid communication with the surgeon in delayed emergence and management options.

Listed sessions and presenters are as of press time and subject to change.
PROBLEM-BASED LEARNING DISCUSSIONS – 12:30 – 1:30 pm continued

PBLD-SUN-04

PERIOPERATIVE HEALTH IT: IMPACT ON REVENUE, COSTS, COMPLIANCE, AND SAFETY

Moderators:
Brian Rothman, MD, Assistant Professor, Division of Multispecialty Adult Anesthesiology and Medical Director I for Perioperative Informatics, Vanderbilt University Medical Center, Nashville, Tennessee
Jonathan P Wanderer, MD, Assistant Professor, Division of Multispecialty Adult Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee

Learner Objectives: After participating in this activity, the learner will be able to: (1) Contrast the major shifts in standardization and innovation as perioperative information management systems (PIMS) have migrated from institution-developed to vendor-supported products due to government regulations; (2) Differentiate between several regulatory bodies and recognize how each can significantly impact practice revenue; (3) Evaluate a recent medication selection process change to reduce costs and conclude whether vendor-based solutions would be likely to implement a similar real-time innovative software feature; (4) Evaluate a recent innovation in an institutionally-developed PIMS to identify a patient condition and auto-generate an order to improve perioperative safety and conclude whether vendor-based solutions would be likely to implement such a feature; and (5) Assess the standardization and compliance quality of their PIMS and identify innovation barriers and opportunities.

WORKSHOPS

W-03 • 1:30 pm – 4:30 pm
ULTRASOUND, SIMULATION AND STIMULATION FOR PERIPHERAL NERVE BLOCKS

Workshop Leader: Andrew D. Rosenberg, MD, Professor of Anesthesiology and Dorothy Reaves Spatz MD Chair of the Department of Anesthesiology, NYU School of Medicine, New York, New York

Presenters:
Robert A. Altman, MD, Clinical Associate Professor, New York University Langone Medical Center, New York, New York
Levon Capan, MD, Professor, Vice Chair and Associate Chief of Anesthesia, Department of Anesthesiology, NYU, Langone Medical, New York, New York
Sudheer K Jain, MD, Assistant Professor, Assistant Clinical Director, Department of Anesthesiology, NYU Langone Medical Center, New York, New York
Jung T. Kim, MD, Associate Professor, Vice Chair and Chief of Clinical Services, Department of Anesthesiology, New York University Langone Medical Center, New York, New York
Steven Lucas, MD, Associate Faculty Member, Division of Regional Anesthesia and Pain Medicine, University of Florida, Gainesville, Florida
Danielle Ludwin, MD, Assistant Professor of Anesthesiology, Division of Orthopedic and Regional Anesthesia, Columbia University Medical Center, New York, New York
Peter Neuberger MD, Assistant Professor, Department of Anesthesiology, NYU Langone Medical Center, New York, New York
Meg Rosenblatt, MD, Professor of Anesthesiology, Professor of Orthopaedics, Department of Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York
Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital of Chicago; Professor of Anesthesiology & Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois
Sylvia Wilson, MD, Assistant Professor, Department of Anesthesiology and Perioperative Medicine, Division Chief of Regional Anesthesia Pain Medicine and Orthopedic Anesthesia, Medical University of South Carolina, Charleston, South Carolina

During this workshop, emphasis will be placed on learning the basic terminology of ultrasound guided regional anesthesia and how to perform blocks utilizing this technique. The participant will have hands-on experience with simulators for upper extremity blocks, femoral nerve blocks, sciatic, popliteal and TAP blocks utilizing ultrasound simulators and as well as live models for demonstration.

Learner Objectives: After participating in this activity, the learner will: (1) Better recognize how to perform peripheral nerve blocks utilizing ultrasound guided and nerve stimulator techniques; and (2) Better describe how to perform blocks of the upper and lower extremity.

*This workshop is offered as a stand-alone course and also a segment of the three-part comprehensive regional anesthesia course which includes the Advanced Ultrasound-Guided Nerve Block and the In Vivo Workshop in Pigs.
1:30 pm – 4:30 pm

**Symposium**

**Enhanced Surgical Recovery Program: The Role of the Anesthesiologist**

**Moderator**

Enhanced Surgical Recovery Program – The Big Picture

Tong Joo (T.J.) Gan, MD, MHS, FRCA, FFARCS(I)

**Presenters**

**Preoperative Assessment and Optimization**

Franco Carli, MD, MPhil, Professor, Department of Anesthesia, The Montréal General Hospital – MUHC, Montréal, Quebec, Canada

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Discuss the contribution of preoperative assessment to the overall ERAS program; (2) Identify the various methods to optimize patients preoperatively; (3) Discuss the impact of patient education; (4) Identify strategies to encourage patient participation in their care; and (5) Implement preoperative improvement process in their respective hospitals.

**The Role of Regional Anesthesia in Abdominal Surgeries**

Stuart Grant, MB, ChB, Anesthesiologist, Regional Anesthesia Division, Duke University Medical Center, Durham, North Carolina

**Optimum Pain and Anesthetic Management Strategy**

Tong Joo (T.J.) Gan, MD, MHS, FRCA, FFARCS(I), Vice Chairman, Professor, Anesthesiology, Duke University Medical Center, Durham, North Carolina

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Discuss the issues regarding acute pain management; (2) Discuss the burden of opioid-based therapy; (3) Identify the methods for providing a fast-tracked anesthetic; (4) Identify a multi-modal analgesic regimen; and (5) Impact of optimal pain and anesthetic management on patient outcome.

**Perioperative Hemodynamic and Fluid Management**

Maxime Cannesson, MD, PhD, Professor of Anesthesiology, Department of Anesthesiology and Perioperative Care, University of California - Irvine, Irvine, California, Section Editor for Technology Monitoring and Computing, Anesthesia & Analgesia

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Evaluate hemodynamics response to fluid therapy; (2) Identify different techniques for monitoring fluid responsiveness; (3) Recognize the different fluid management strategies; (4) Discuss the choice of fluid therapy; and (5) Discuss the impact of fluid therapy on patient outcomes.

**Enhanced Surgical Recovery Program: Clinical and Economic Outcomes**

Timothy Miller, MD, Assistant Professor of Anesthesiology, GVTU Division, Duke University Medical Center, Durham, North Carolina

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Evaluate outcome data following ERAS regimen; (2) Discuss contribution of ERAS components on postoperative outcome; (3) Identify the consequences of patients undergoing ERAS program; (4) Discuss the impact of ERAS program on economics of care; and (5) Identify the impact of ERAS program on care givers.
SmartTots Workshop

Friday, June 20, 2014
Sheraton Crystal City Hotel, Washington, DC

WORKSHOP AGENDA

Updates on the ongoing studies, including results to date.

Additional studies needed to answer the questions about the potential neurotoxicity of anesthetics in the developing human brain.

Dealing with the uncertainties about anesthetics and children in the practice environment.

Does the Consensus Statement on the Use of Anesthetics and Sedatives in Children need revision?

Raising the funds required to conduct the needed studies.

SmartTots Panel on Pediatric Neurotoxicity

Sunday, May 18, Montreal, Canada at the IARS 2014 Annual Meeting | 3:00 p.m.

MODERATOR
Dr. Lena Sun of Columbia University Medical Center

SPEAKERS AND TOPICS
Dr. Andreas Loeppke, Cincinnati Children’s Hospital: Using Pre-Clinical Studies to Guide Research in Humans

Dr. David Bellinger, Boston Children’s Hospital: Important Considerations in Neurodevelopmental Outcome Studies

Dr. Richard Levy, Children’s National Medical Center (DC): Translational Approaches to Study Anesthetic Neurotoxicity
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<th>TIMES</th>
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<td>10:00 am - 12:00 pm</td>
<td>RCL-01: 10:00 - 10:55 am: Anesthesia Advanced Circulatory Life Support</td>
<td>P-01: 10:00 - 11:30 am: APSF PANEL: Positioning Complications: The “Little Problem” That Keeps Getting Bigger!</td>
<td>PBLD-SAT-02: SOCCA: A Complex Challenge: Spinal Instrumentation Requiring Aggressive Resuscitation Techniques and Multimodal Analgesia</td>
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<td>Lunch Sessions 12:00 - 1:00 pm</td>
<td>Case Report Session SAT-01</td>
<td>PBLD-SAT-01: APSF: Nerve Injuries: Mechanisms and Liabilities</td>
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<td>RCL-03: 1:00 - 1:55 pm: Therapeutic Potential of Mesenchymal Stromal Cell Therapy For Acute Respiratory Distress Syndrome</td>
<td>RCL-04: 2:00 - 2:55 pm: Value Based Care: The Role of the Anesthesiologist</td>
<td>P-02: 2:30 - 4:00 pm: SOCCA PANEL: From The ICU To The ER: Critical Illness Intraoperative Decisions In The OR</td>
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<td>RCL-05: 3:00 - 3:55 pm: Beat, Joe Camel: How Addressing Tobacco Use Helps Your Patients and Your Practice</td>
<td>RCL-06: 4:00 - 4:55 pm: Controversies in Patient Safety: Making Perioperative Care Safer in 2014</td>
<td>P-03: 4:00 - 6:30 pm: AUA PANEL: From Health Policy to Research That Influences Adoption and Care</td>
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<td>RCL-07: 7:00 - 7:55 am: Risk Stratification and Assessment of the Older Surgical Patient: Are We Missing Something?</td>
<td>P-04: 7:00 - 8:30 am: ASRA PANEL: Practice Advisory on Neurologic Complications of Regional Anesthesia</td>
<td>P-05: 7:00 - 8:30 am: ESA PANEL: Optimizing Patients Undergoing Surgery</td>
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<td>RCL-08: 8:00 - 8:55 am: Acute Care of Traumatic Spinal Cord Injury</td>
<td>P-06: 8:30 - 10:00 am: SNACC PANEL: Controversies in Neuroscience in Anesthesia and Critical Care</td>
<td>P-07: 8:30 - 10:00 am: ASA Reviewer Guidance Panel: How to Become a Good Reviewer</td>
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<td>RCL-09: 9:00 - 9:55 am: TTE and Perioperative Medicine: Why You Should Learn It</td>
<td>P-08: 10:00 - 11:30 am: ASA Blood Guidelines: Transfusion Costs With Pre-Operative Management of Anemic Patients</td>
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<td>RCL-10: 10:30 - 11:25 am: BIS Monitoring and Perioperative Outcomes: Does it Make a Difference?</td>
<td>P-09: 10:30 - 12:00 am: SAMBA PANEL: Tackling Inpatient-Type Problems in the Outpatient Setting</td>
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<td>Lunch Sessions 12:30 - 1:30 pm</td>
<td>Case Report Session SUN-01</td>
<td>PBLD-SUN-02: SAMBA: Is This Anaphylaxis? What Do I Do In The ASC?</td>
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<td>1:30 - 4:30 pm</td>
<td>RCL-12: 1:30 - 2:25 pm: Anesthesia for Electrophysiology</td>
<td>RCL-11: 11:30 am - 12:25 pm: Tighten Your Belts: Reduce Your Transfusion Costs With Pre-Operative Management of Anemic Patients</td>
<td>P-10: 1:30 - 3:00 pm: LICAGE PANEL: Metabolic Syndrome and the Liver: A New Epidemic?</td>
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<td>RCL-13: 7:00 - 7:55 am: Regional Anesthesia For Orthopedic Surgery: Blocks That Everyone Should Know!</td>
<td>P-11: 7:00 - 8:30 am: SPA PANEL: Promoting Patient Safety: Strategies to Reduce Anesthetic Risk in Children</td>
<td>P-16: 8:30 - 10:00 am: SASM PANEL: Peri-operative Sleep</td>
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<td>RCL-14: 8:00 - 8:55 am: Don’t Make Things Worse With Your Ventilator Settings!</td>
<td>RCL-15: 9:00 - 9:55 am: Misunderstandings in Neuroanesthesia</td>
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<td>RCL-16: 10:30 - 11:25 am: The Link Between Acute &amp; Chronic Pain Review Course Lecture 17: 11:30 am - 12:25 pm</td>
<td>P-17: 10:30 am - 12:00 pm: STA PANEL: Automation, Robotics and the Influence of the Latest Technologies on Anesthesia Care Providers</td>
<td>P-18: 10:30 am - 12:00 pm: Translational Neuroscience Panel</td>
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<td>Case Report Session MON-01</td>
<td>PBLD-MON-02: SOAP - Surgery in the Pregnant or Breastfeeding Patient</td>
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<td>Review Course Lecture 18: 1:30 - 2:25 pm</td>
<td>PBLD-MON-01: SPA - Neonate, Can’t Ventilate: Let Me Count The Ways in a Child with TEF</td>
<td>PBLD-MON-02: SOAP - Surgery in the Pregnant or Breastfeeding Patient</td>
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<td>7:00 am - 8:00 am: Program Schedule • IARS 2014 Annual Meeting</td>
<td>P-19: 1:30 - 3:00 pm: ISAP PANEL: Controversial Topics in Anesthesiology: What Are Your Statements: What’s New And How Can You Integrate It Into Your Practice?</td>
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<td>RCL-21: 8:00 - 8:55 am: Obstetric Hemorrhage - The Right Response At The Right Time</td>
<td>P-20: 1:30 - 3:00 pm: ISAP PANEL: Does Anesthesia Damage The Brain? The Science Behind It All</td>
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<td>RCL-22: 10:00 - 10:55 am: Anesthesiology and Inflammation: A Perfect Storm for Long-Term Memory Loss</td>
<td>P-21: 3:00 - 4:30 pm: ASA Blood Guidelines: Obesity and Inflammatory Conditions in the Perioperative Period</td>
<td>P-22: 3:00 - 4:30 pm: ASA Blood Guidelines: Obesity and Inflammatory Conditions in the Perioperative Period</td>
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A&A Case Reports is a new online journal dedicated to publishing important clinical cases related to anesthesiology, including perioperative medicine, critical care and pain management. As the clinical companion to the renowned peer-reviewed journal Anesthesia & Analgesia, A&A Case Reports is the specialty’s only journal that publishes exclusively case reports.

A&A Case Reports is interested in receiving submissions that make an important teaching point or scientific observation within the anesthesiology specialty or related fields. We are particularly interested in papers from young investigators who are beginning their careers and want to start their publishing records with a submission to our journal.

All submissions must conform to our Author Guidelines at edmgr.ovid.com/aa/ accounts/ifauth.htm

Please submit your manuscript online at editorialmanager.com/aa/

For more information, contact editor@anesthesia-analgesia.org 415-777-2750
Regional Ultrasound Guided Anesthesia Workshop Program:
Seeing and Stimulating is Believing!

The IARS is proud to offer a comprehensive course of regional anesthesia that covers both electrical nerve localization along with ultrasound guidance: Seeing and stimulating is believing! This course has three components; the basic ultrasound workshop will cover the familiarization with ultrasounds and commonly performed regional anesthesia techniques. The Advanced Workshop will introduce more complex ultrasound-guided blocks in both the extremities and trunk. Finally, ultrasound and catheter technique positioning will be performed using live animals using ultrastanograpy and electrical stimulation in a dedicated animal lab.

Sunday, May 18
1:30 pm – 4:30 pm
Comprehensive Workshop Part I
Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks

Monday, May 19
8:30 am – 12:30 pm
Comprehensive Workshop Part II
Advanced Ultrasound Guided Nerve Block

Monday, May 19
1:00 pm – 3:00 pm (class-1)
3:00 pm – 5:00 pm (class-2)
Comprehensive Workshop Part III*
In collaboration with McGill University
In Vivo Workshop In Pigs

You still have time to take advantage of this great opportunity. Stop by the Registration Desk today! Seating is limited.
### Daily Schedule—At-A-Glance

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Description</th>
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<tbody>
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<td>Registration</td>
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<tr>
<td>7:00 am – 10:00 am</td>
<td>Symposium</td>
<td>The Perioperative Surgical Home: How Can It Make the Case So Everyone Wins?</td>
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<td>7:00 am – 5:00 pm</td>
<td>Concurrent Sessions</td>
<td>• Review Course Lectures&lt;br&gt;• Panels&lt;br&gt;• Workshops&lt;br&gt;• Moderated Poster Discussion Rounds</td>
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<td>12:30 pm – 1:30 pm</td>
<td>Lunch Sessions</td>
<td>• Anesthesia &amp; Analgesia Case Reports&lt;br&gt;• Problem-Based Learning Discussions (PBLD’s)</td>
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<td>1:30 pm – 3:30 pm</td>
<td>Abstract Awards Session</td>
<td>• Best of Meeting Awards&lt;br&gt;• Kosaka Awards</td>
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<td>6:00 am – 2:00 pm</td>
<td>Tabletop Exhibits</td>
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### REVIEW COURSE LECTURES

**RCL-13 • 7:00 am – 7:55 am**

**REGIONAL ANESTHESIA FOR ORTHOPEDIC SURGERY: BLOCKS THAT EVERYONE SHOULD KNOW!**

**Presenter:** Andrew D. Rosenberg, MD, Professor of Anesthesiology and Dorothy Reaves Spatz MD Chair of the Department of Anesthesiology, NYU School of Medicine, New York, New York

**Learner Objectives:** After participating in this activity, the learner will be able to: 1) Describe how to use ultrasound guidance to perform regional anesthesia techniques; 2) Describe ultrasound guided blocks of the upper extremity including interscalene and infraclavicular blocks; and 3) Enumerate the steps involved in performing a femoral nerve block by ultrasound guidance.

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**RCL-14 • 8:00 am – 8:55 am**

**DON’T MAKE THINGS WORSE WITH YOUR VENTILATOR SETTINGS!**

**Presenter:** Peter Douglas Slinger, MD, Professor of Anesthesia, University of Toronto, Toronto, Ontario, Canada

**Learner Objectives:** After participating in this activity, the learner will be able to: 1) Discuss the principles of lung-protective ventilation during surgery; 2) Identify patients at risk for perioperative lung injury; 3) Recognize the contributions of lung volume, airway pressure, inflammation and fluids to intraoperative lung injury; and 4) Appreciate strategies to manage patients with different end-stage lung disease requiring general anesthesia.

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**RCL-15 • 9:00 am – 9:55 am**

**MISUNDERSTANDINGS IN NEUROANESTHESIA**

**Presenter:** John C. Drummond, MD, FRCPC, Professor of Anesthesiology/ Staff Anesthesiologist, VAMC San Diego, University of California, San Diego, San Diego, California

**Learner Objectives:** After participating in this activity, the learner will be able to discuss the: 1) Elements of physiology and pharmacology relevant to neuroanesthesia that are commonly misunderstood and that have the potential to have adverse effects on patients undergoing neurosurgery; 2) Numeric value of the lower limit of CBF autoregulation and its inter-individual variability; 3) Concept of the CNS blood flow reserve and the physiologic phenomena that reduce that reserve in some patients; 4) Variable, pathology-dependent, effect of volatile agents on CBF; 5) Effect of alpha1 agonists on human CBF; and 6) Effect of hydrostatic pressure gradients on cerebral perfusion/transmural pressure.
Symposium
The Perioperative Surgical Home: How Can It Make the Case So Everyone Wins?

Moderator
Thomas R. Vetter, MD, MPH
University of Alabama School of Medicine, Birmingham, Alabama

Presenters

- The Specialty of Anesthesiology: The Times They Are Indeed A-Changin'
  Thomas R. Miller, MBA, PhD, Director of Health Policy Research, American Society of Anesthesiologists, Washington, DC
  Learner Objectives: After participating in this activity, the learner should be able to: (1) Establish the case that health care change is inevitable and identify the compelling reasons to embrace this change; (2) Determine how key health care industry trends and likely U.S. health care reform will impact the practice of anesthesiology; and (3) Debate the role of the Perioperative Surgical Home (PSH) and similar delivery models in strengthening the specialty of anesthesiology.

- The Perioperative Surgical Home: Coming to an Operating Theater Near You
  Zeev N. Kain, MD, MBA, Professor and Chair, Anesthesiology, University of California, Irvine, Irvine, California
  Learner Objectives: After participating in this activity, the learner should be able to: (1) Define the full scope and major elements of prototypic comprehensive Perioperative Surgical Home (PSH) models; (2) Critique the principles and benefits of the Enhanced Recovery after Surgery guidelines and Fast Track Surgery, as part of the PSH; (3) Outline the operational aspects of implementing the PSH; and (4) Compare and contrast the perspectives of the anesthesiologist, surgeon, and hospitalist on the perioperative continuum of care.

- The New Healthcare Economics: No Outcome, No Income
  Mike Schweitzer, MD, MBA, Vice President, VHA Southeast, Tampa, Florida
  Learner Objectives: After participating in this activity, the learner should be able to: (1) Define the Triple Aim of healthcare and the ability of the Perioperative Surgical Home (PSH) to help achieve it; (2) Assess the PSH as a means to succeed in a more competitive and austere economic environment; and (3) Outline how the PSH can meet increasing consumer and payer emphasis on shared decision-making, patient-centerness, and patient satisfaction.

- The Metrics of Perioperative Surgical Home Success: How to Turn Your Data into Dollars
  Richard P. Dutton, MD, MBA, Executive Director, Anesthesia Quality Institute, Park Ridge, Illinois
  Learner Objectives: After participating in this activity, the learner should be able to: (1) Identify those data elements, readily available to any anesthesia practice, which will demonstrate the economic value of the Perioperative Surgical Home (PSH) model; (2) Develop methods for reporting PSH outcomes that are intuitive and useful; and (3) Integrate locally collected PSH measures with national benchmarks for similar cases and patients, as a means of demonstrating the added value of the PSH.

- Validating the Perioperative Surgical Home: Okay, Now Show Me the Evidence!
  Thomas R. Vetter, MD, MPH, Maurice S. Albin Professor of Anesthesiology and Vice Chair Director, Division of Pain Medicine Medical Director, UAB Preoperative Assessment, Consultation and Treatment Clinic
  Professor of Gerontology, Geriatrics, and Palliative Care, Professor of Pediatrics, University of Alabama at Birmingham School of Medicine Professor of Health Care Organization and Policy, University of Alabama at Birmingham School of Public Health, Birmingham, Alabama
  Learner Objectives: After participating in this activity, the learner should be able to: (1) Analyze the health services and outcomes research designs applicable to the Perioperative Surgical Home (PSH); and (2) Discuss the principles and increasing importance of implementations.
RCL-16 • 10:30 am – 11:25 am
THE LINK BETWEEN ACUTE AND CHRONIC PAIN

Presenter: James P. Rathmell, MD, Executive Vice Chair and Chief, Division of Pain Medicine, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Henry Knowles Beecher Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define the term “preemptive analgesia”; (2) Discuss the clinical effectiveness of employing preemptive analgesia; and (3) Describe risk factors for persistent post-surgical pain; and (4) Discuss the concept of “preventative analgesia” and the best means currently available to use this approach in clinical practice.

RCL-17 • 11:30 am – 12:25 pm
SIZE MATTERS: PERIOPERATIVE MANAGEMENT OF THE MORBIDLY OBESE

Presenter: Frances Chung, MBBS, FRCPC, Professor of Anesthesiology, University of Toronto, Medical Director, Combined Surgical Unit, Ambulatory Surgical Unit, University Health Network, Toronto, Ontario, Canada, President, Society of Anesthesia and Sleep Medicine (SASM)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the different aspects of anesthetic challenges in anesthesia care to the morbidly obese patients especially the airway, and pharmacology; and (2) Optimize the perioperative ventilation strategy and postoperative care.

RCL-18 • 1:30 pm - 2:25 pm
CAN ANY PATIENT BE AN OUTPATIENT: PATIENT SELECTION FOR AMBULATORY SURGERY

Girish P. Joshi, MB, BS, MD, FFARCSI, Professor of Anesthesiology and Pain Management, University of Texas Southwestern Medical School, Director of Perioperative Medicine and Ambulatory Anesthesia at Parkland Health and Hospital Systems, Dallas, Texas

RCL-19 • 2:30 - 3:25 pm
PRACTICAL PEDIATRIC ANESTHESIA

Santhanam Suresh, MD, FAAP, Anesthesiologist-in-Chief, Ann & Robert H. Lurie Children’s Hospital of Chicago; Professor of Anesthesiology & Pediatrics, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

PANELS

P-14 • 7:00 am – 8:30 am
PROMOTING PATIENT SAFETY: STRATEGIES TO REDUCE ANESTHETIC RISK IN CHILDREN

Moderator: Shoba V. Malviya, MD, Professor of Anesthesiology, Pediatric Anesthesiology, University of Michigan Health System, Ann Arbor, Michigan

Panelists:

- Handoffs and Checklists
  Eugenie S. Heitmiller, MD, Professor, Anesthesiology and Critical Care Medicine and Pediatrics, Clinical Director, Pediatric Anesthesiology, Johns Hopkins Children’s Center, John Hopkins University School of Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify specific strategies for improving handoff communication; (2) Evaluate the effectiveness of checklists in reducing risks associated with handoffs; (3) Name one suggestion for improving checklist implementation at his/her own institution.

Communication and its Role in Patient Safety

Nancy L. Glass, MD, Director, Chronic and Palliative Pain Service - Texas Children’s Hospital, Professor, Pediatrics and Anesthesiology, Baylor College of Medicine, Texas Children’s Hospital, Houston, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the impact of difficult professional interactions on the incidence of, and recovery from, adverse perioperative events; (2) Explain why effective communications promote a safe perioperative environment and enhance patient safety; and (3) Relate examples of communications that “lower the heat” and those that escalate tensions during a difficult case.

Role of Simulation and Team Training in Advancing Patient Safety

James J. Fehr, MD, Pediatric Anesthesiology and Critical Care, Associate Professor of Anesthesiology and Pediatrics, Washington University, Director, Saigh Pediatric Simulation Center, St. Louis Children’s Hospital, St. Louis, Missouri

Learner Objectives: After participating in this activity, the learner will be able to: (1) Name the necessary components and challenges of implementation of an effective team training program; (2) Describe team training interventions and tools currently available for improvement of team performance in perioperative care; and (3) Design a simple team training exercise for his / her own operating environment.
FLUID RESUSCITATION FOR THE trauma patient

Moderator: Jean-Francois Pittet, MD, Director, Division of Critical Care and Perioperative Medicine, Professor and Vice Chair, Department of Anesthesiology, Professor, Department of Surgery, Professor, Department of Cell Biology, Investigator, Center for Lung Injury and Repair, University of Alabama at Birmingham, Birmingham, Alabama

Panelists:
- Roman Dudaryk, MD, Assistant Professor of Clinical Physiology and Sleep Medicine Director, West Australian Sleep Medicine (SASM), Australia; Immediate Past President, Society of Anesthesia and Sleep Physiology and Sleep Medicine, University of Miami Hospital, Miami, Florida
- Albert Pierce, II, MD, Associate Professor of Anesthesiology, University of Alabama at Birmingham, Birmingham, Alabama

Learner Objectives: After participating in this activity, the learner will be able to discuss and identify current practices in fluid resuscitation for the trauma patient.

Fluid Resuscitation for the Trauma Patient:
- Crystalloids or Colloids?
- Fluid Resuscitation for the Trauma Patient: Effect on Inflammation and Coagulation
- Fluid Resuscitation for the Trauma Patient: The Case of the Patient with Traumatic Brain Injury

Fluid Resuscitation for the Trauma Patient:
The Case of the Patient with Traumatic Brain Injury

Tomoki Hashimoto, MD, Professor, Department of Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to discuss and identify current practices in fluid resuscitation for the trauma patient.

PERIOPERATIVE SLEEP

Moderator: David Hillman, MBBS, FANZCA, FRCP(Edin), FRACP(Hon), Clinical Professor, Head, Department of Pulmonary Physiology and Sleep Medicine Director, West Australian Sleep Disorders Research Institute, Sir Charles Gairdner Hospital, Perth, Australia; Immediate Past President, Society of Anesthesia and Sleep Medicine (SASM)

Panelists:
- The Effects of Surgery and Anesthesia on Sleep Architecture
- Frances Chung, MBBS, FRCPC, Professor of Anesthesiology, University of Toronto, Medical Director, Combined Surgical Unit, Ambulatory Surgical Unit, University Health Network, Toronto, Ontario, Canada; President, Society of Anesthesia and Sleep Medicine (SASM)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the architecture of sleep including normal duration, efficiency, and stages; (2) Learn how this normal architecture is disturbed by anesthesia, surgery and pain; and (3) Know how this architecture changes with time and treatment during the early postoperative period.
PANELS – continued

P-18 • 10:30 am – 12:00 pm
TRANSLATIONAL NEUROSCIENCE PANEL

Moderator: Emery N. Brown, MD, PhD, Warren M. Zapols Professor of Anesthesia 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

Panelists:

- Cortical Mechanisms of Loss and Recovery of Consciousness: Insight TMS/EEG Studies
  Marcelo Massimini, MD, PhD, Professor Neurophysiology at the University of Milan, Department of Biomedical and Clinical Sciences, University of Milan, Milan, Italy

- Electroencephalogram Monitoring of General Anesthesia and Sedation: From Neurophysiology to Clinical Practice
  Patrick L. Purdon, PhD, Assistant Professor of Anesthesia, Harvard Medical School, Assistant Bioengineer, Massachusetts General Hospital Department of Anesthesia, Boston, Massachusetts

- Activating Arousal Pathways to Induce Reanimation from General Anesthesia
  Ken Soh, MD, Assistant Professor, Harvard Medical School, Assistant Anesthetist, Massachusetts General Hospital, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the arousal pathways in the brain; (2) Review evidence that arousal pathways are important for emergence from general anesthesia; (3) Review evidence that arousal pathways may be activated to induce reanimation from general anesthesia.

P-19 • 1:30 pm – 3:00 pm
DO YOU KNOW YOUR ANESTHETIC? THE ART AND SCIENCE OF CLINICAL PHARMACOLOGY

Moderator: Ken B. Johnson, MD

Panelists:

- Beyond Half-Life and MAC: Core Practical Principles of Pharmacokinetics and Pharmacodynamics
  Tom C. Krejcie, MD, Professor and Associate Chair for Medical Technology, Department of Anesthesiology, Northwestern University Feinberg School of Medicine Associate Chief Medical Officer

- Understanding Anesthetic Drug Interactions
  Mohamed Naguib, MD, Professor, Anesthesiology, Cleveland Clinic

- Implications of Obesity on the Clinical Pharmacology of Anesthetic Drugs
  Ken B. Johnson, MD, Professor, Anesthesiology, University of Utah, Associate Editor: Anesthesia & Analgesia

P-20 • 1:30 pm – 3:00 pm
DOES ANESTHESIA DAMAGE THE BRAIN?
THE SCIENCE BEHIND IT ALL

Moderator: Gwendolyn Boyd, MD, Professor, Anesthesiology, The University of Alabama at Birmingham, Birmingham, Alabama

Panelists:

- Pro – Anesthesia Does Damage the Brain
  Jeffrey H. Silverstein, MD, MS, AGSF, Professor, Vice-Chair, Research, Mount Sinai School of Medicine, New York, New York

Learner Objectives: After participating in this activity, the learner should be able to: (1) Discuss the current evidence and controversy regarding the potential of anesthetic agents to adversely alter the human central nervous system; (2) Describe the types and nature of cognitive alterations following surgery; (3) Assess how anesthesiology must engage with elderly patients to assist their understanding of cognitive risk; (4) Explain how to establish and utilize cognitive assessment tools in perioperative evaluations; and (5) Analyze the literature on anesthetic choice as a mediator of outcomes.

- Con – Anesthesia Does Not Damage the Brain
  Terri Monk, MD, Professor, Department of Anesthesiology and Perioperative Medicine University of Missouri, Columbia, Missouri

Learner Objectives: After participating in this activity, the learner should be able to: (1) Describe the types of cognitive disorders that occur after surgery; (2) Identify risk factors that may predispose patients to postoperative cognitive problems; and (3) Discuss the clinical evidence suggesting that the patient’s preoperative cognitive and physical status, not the anesthetic management, are the major risk factors for postoperative cognitive problems.

- Role of Anesthetics in Neuroinflammation After Surgery
  Zhiyi Zuo, MD, MS, PhD, Robert Epstein Professor, University of Virginia, Charlottesville, Virginia

Learner Objectives: After participating in this activity, the learner should be able to: (1) Describe the latest theory on the mechanisms for POCD; (2) Analyze the effects of anesthetics of neuroinflammation and the mechanisms for these effects; and (3) Reveal the complexity of anesthetic effects on neuroinflammation.

- The Use of Antipsychotics in the Management of Postoperative Delirium
  Shamsuddin Akhtar, MD, Associate Professor, Yale University School of Medicine, New Haven, Connecticut

Learner Objectives: After participating in this activity, the learner should be able to: (1) Discuss the current knowledge regarding the pharmacological basis of delirium; (2) Identify the current recommendations and trends on the use of antipsychotics in the management of post-operative delirium; (3) Describe the specific pharmacology and side effects of anti-psychotics; and (4) Discuss the indications/contraindications for benzodiazepines used for sedation in the elderly patient population.
1:30 – 3:30 pm

Abstract Award Session

Join your colleagues and cheer them on as they present their research, selected as the top scoring abstracts submitted to the IARS 2014 Annual Meeting. A panel of expert judges will award the following top honors:

1:30 – 2:30 pm

Best of Meeting Awards

Judges

Moderator: Keith A. (Tony) Jones, MD, University of Alabama at Birmingham, Birmingham, Alabama
Colleen Koch, MD, MS, MBA, FACC, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland Clinic, Cleveland, Ohio
Beverly A. Orser, MD, PhD, FRCPC, University of Toronto, Toronto, Ontario, Canada
Makoto Ozaki, MD, PhD, Tokyo Women’s Medical University, Tokyo, Japan

• Supported by the IARS, the best abstract presentation in patient-oriented research – $1,000 award
• Best abstract presentation in basic science research – $1,000 award

Supported by the Society for Neuroscience in Anesthesiology and Critical Care, the best abstract presentation in neuroscience will win a $500 award, complimentary one-year membership to SNACC and a complimentary registration to the 2013 SNACC Annual Meeting in San Francisco.

2:30 pm – 3:30 pm

Kosaka Awards

Judges

Moderator: Makoto Ozaki, MD, PhD, Tokyo Women’s Medical University, Tokyo, Japan
Keith A. (Tony) Jones, MD, University of Alabama at Birmingham, Birmingham, Alabama
Colleen Koch, MD, MS, MBA, FACC, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland Clinic, Cleveland, Ohio
Beverly A. Orser, MD, PhD, FRCPC, University of Toronto, Toronto, Ontario, Canada

The top scoring abstracts submitted by Japanese researchers will compete against the top scoring matching topic abstracts submitted by their international colleagues.

• Best abstract presentation in patient-oriented research - $1,000 award
• Best abstract presentation in basic science research - $1,000 award

The Kosaka Award Session is supported by a $1,000 grant from the Japanese Society for Clinical Anesthesia (JSCA), and a $1,000 grant from the IARS.
PANELS – continued

P-21 • 3:00 pm – 4:30 pm
LONG TERM OUTCOMES AFTER NONCARDIAC SURGERY
Moderator: Wilton A. van Klei, MD, PhD

Panelists:
W. Scott Beattie, MD, PhD, FRCPC, Professor, Department of Anesthesia, Faculty of Medicine, University of Toronto, R. Fraser Elliott Chair in Cardiac Anesthesia, Deputy Anesthesiologist-in-Chief, Director of Clinical Research, Toronto General Hospital, University Health Network, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe incidence, type, and timing of the occurrence of postoperative stroke; (2) Describe relationship between patient characteristics, use of beta-blockers and postoperative stroke; and (3) Describe relationship between perioperative events such as low blood pressure and postoperative stroke.

Wilton A. van Klei, MD, PhD, Department Head, Associate Professor, Department of Anesthesiology, University Medical Center Utrecht, Utrecht, Netherlands

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe incidence and signs/symptoms of postoperative MI; (2) Describe relationships between perioperative events and postoperative MI; (3) Describe role of pre and postoperative biomarkers in identification of patients at risk for postoperative MI; and (4) Usefulness of routine postoperative biomarkers testing in detection of postoperative MI.

Peter Nagele, MD, Assistant Professor, Anesthesiology, Washington University School of Medicine, St. Louis, Missouri

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe incidence of postoperative mortality; (2) Describe different biomarkers to predict postoperative mortality (both early and late up to 3 years); and (3) Describe important differences between biomarkers in prediction of postoperative mortality.

P-22 • 3:00 pm – 4:30 pm
ASA BLOOD GUIDELINES
Moderator: Gregory A. Nuttall, MD, Anesthesiology Department, Mayo Clinic, Rochester, Minnesota

PROBLEM-BASED LEARNING DISCUSSIONS – 12:30 – 1:30 pm

PBLD-MON-01
NEONATE, CAN’T VENTILATE: LET ME COUNT THE WAYS, IN A CHILD WITH TEF
Moderator: Bishr Haydar, MD, Assistant Professor, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

This PBLD is a simplified version of a one day-old 2800 g infant with suspected tracheoesophageal fistula (TEF) with long-gap esophageal atresia (EA) who presented for rigid bronchoscopy, TEF ligation and attempted EA repair. The PBLD is aimed toward anesthesiologists who infrequently take care of children.

Learner Objectives: After participating in this activity, the learner will be able to: (1) Establish the common pitfalls and challenges in anesthetizing a neonate, focusing on ventilation and monitoring thereof; (2) Illustrate the anesthetic implications of TEF, including types; associated co-morbidities: phenotypic signs of associated co-morbidities; and anesthetic principles; (3) Evaluate and contrast the anesthetic options for rigid bronchoscopy in the neonate; (4) Differentiate common and uncommon causes of intraoperative decreased pulmonary compliance in this patient, and discuss diagnostic and therapeutic maneuvers for: a) Gastric insufflation due to mask ventilation and management strategies in a patient with TEF; b) Occluded endotracheal tube (ETT) due to blood and secretions; timing and management; c) Pneumothorax: common cause, timing and management; d) ETT malposition and complete occlusion by entry to newly-ligated fistula; and (5) Review extubation criteria and decision making for neonates, focusing on the relative risk and benefits of extubating neonates following TEF repair.

PBLD-MON-02
SURGERY IN THE PREGNANT OR BREASTFEEDING PATIENT
Moderators:
Brendan Carvalho, MBBC, FRCA, MDCH, Associate Professor, Department of Anesthesiology, Stanford University Medical Center, Stanford, California

Ellen Moseley Lockhart, MD, Associate Professor and Vice Chairman, Anesthesiology Department, Washington University School of Medicine, St. Louis, Missouri

Learner Objectives: After participating in this activity, the learner will be able to: (1) List normal alterations in maternal physiology during pregnancy; (2) Identify the potential fetal effects from anesthesia and surgery and the importance of uteroplacental perfusion and fetal oxygenation; (3) Appreciate practical anesthetic considerations (including timing of surgery, fetal monitoring, full stomach precautions, left uterine displacement); and (4) Discuss therapeutic principals to minimize analgesic drug exposure in breastfeeding infants.
PBLD-MON-03
LIVER INTENSIVE CARE GROUP OF EUROPE

Moderator: Susan Mandell, MD, PhD,
Professor of Anesthesiology, School of Medicine,
Department of Anesthesiology, University of Colorado,
Aurora, Colorado

PBLD-MON-04
ESTABLISHING A PERIOPERATIVE ULTRASOUND CURRICULUM:
PITFALLS, PROGRESS AND FUTURE PATHWAYS

Moderators:
Oksana Klimkina, MD, Associate Professor of Anesthesiology,
University of Kentucky, College of Medicine, Lexington, Kentucky
Annette Rebel, MD, Associate Professor of Anesthesiology, University
of Kentucky, College of Medicine, Lexington, Kentucky
Jeremy S. Dority, MD, Assistant Professor of Anesthesiology, University
of Kentucky, College of Medicine, Lexington, Kentucky
Amy DiLorenzo, MA, Education Specialist, Senior Lecturer,
University of Kentucky Chandler Medical Center, Department of
Anesthesiology, Lexington, Kentucky

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the value of applying knowledge of ultrasound in anesthesia practice; (2) Describe strategies to provide a required ultrasound curriculum within an anesthesiology residency training program; and (3) Identify common challenges and pitfalls during development and implementation with pathways for resolution.

PBLD-MON-05
MY BLEEDING HEART: WHAT IS THE ROLE OF FACTOR CONCENTRATES IN THE MANAGEMENT OF PERIOPERATIVE BLEEDING?

Moderator: Alan C. Finley, MD, Assistant Professor, Anesthesia
and Perioperative Medicine, Medical University of South Carolina,
Charleston, South Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain the hemostatic effects of Prothrombin Complex Concentrate (PCC) in the bleeding patient; (2) Identify the difference between 3-Factor vs. 4-Factor PCC; (3) Discuss a practical approach to the use of Factor VIIa; and (4) Describe the hemostatic role of fibrinogen concentrate in the bleeding patient.

PBLD-MON-06
7-YEAR-OLD DOWN SYNDROME PRESENTING FOR EMERGENCY
POST TONSILLO-ADENOIDECTOMY BLEED

Moderator: Courtney A. Hardy, MD, FAAP, Associate Professor of
Pediatric Anesthesiology, Director Pediatric Cardiovascular Anesthesia,
Director Pediatric Anesthesia Fellowship Program, Ann & Robert H.
Lurie Children’s Hospital of Chicago, Chicago, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identity common pediatric arrhythmias in the pediatric population; (2) Treat common pediatric arrhythmias intraoperatively; and (3) Learn when to consult a pediatric cardiologist for further evaluation.

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WORKSHOPS

W-04 • 8:30 am – 12:30 pm
ADVANCED ULTRASOUND-GUIDED NERVE BLOCK*

Workshop Leader: Vincent W.S. Chan, MD, FRCPC
Workshop Participants:

- **Neuraxial Space and Lumbar Plexus**
  Colin McCartney, MBChB, FRCA, FCARCSI, FRCPC, Professor, Department of Anesthesia, University of Toronto, Toronto, Ontario, Canada

- **Thoracic Paravertebral Space and PEC Block**
  Silvia Wilson, MD, Assistant Professor, Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

- **Sciatic Nerve (Proximal Approaches)**
  Vincent W.S. Chan, MD, FRCPC, Professor, Department of Anesthesiology, University of Toronto, Toronto Western Hospital, Toronto, Ontario, Canada

- **Abdominal Wall and Trunk + Peripheral Nerves**
  De Tran, MD, Associate Professor, Department of Anesthesia, Montreal General Hospital, Montreal, Quebec, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Perform ultrasound imaging of small peripheral nerves, sciatic nerve, paravertebral space and neuraxial space; (2) Recognize appropriate clinical indications and alternatives for ultrasound guided blocks in the described regions; (3) Apply appropriate block approaches in the described regions; (4) Explain how ultrasound techniques differ from conventional approaches; and (5) Select appropriate equipment and medication choices and doses.

*This workshop is offered as a stand-alone course and also a segment of the three-part comprehensive regional anesthesia course which includes the Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks and the In Vivo Workshop in Pigs.

W-05-01 • 1:00 pm – 3:00 pm (class-1)
W-05-02 • 3:00 pm – 5:00 pm (class-2)

IN VIVO WORKSHOP IN PIGS
IN COLLABORATION WITH MCGILL UNIVERSITY

Workshop Leader: Juan Francisco Asenjo, MD, Associate Professor of Anesthesia and Pain Medicine, Montréal General Hospital, McGill University Health Centre, Montréal, Quebec, Canada

Featured as the third part of the Regional Ultrasound Guided Anesthesia Workshop Program offered along with the basic and advanced workshops in human models.

This in vivo workshop in pigs at the large animal operating room at the Montreal General Hospital Research Institute, McGill University, will focus on hands-on practice of catheter placement with electroestimulation and ultrasound guidance.

This workshop is limited to a small number of participants to allow for maximum interaction with hands-on.

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify with ultrasound guidance and nerve stimulation the anatomical structures required block for the following nerves: brachial plexus at different levels, the lumbar plexus, the sciatic nerve at different locations, the intercostal anatomy and nerves, the TAP block, the paravertebral anatomy and structures.

In order to obtain best learning results, it is suggested to take the full Regional Ultrasound Guided Anesthesia Workshop Program.

Note: This workshop is offered as a stand-alone course and also a segment of the three-part comprehensive regional anesthesia course which includes the Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks and the Advanced Ultrasound-Guided Nerve Block.

Call for Papers Open July 2014 for the IARS 2015 Annual Meeting!
Submit Your Abstract for Review and the Chance to Share Your Research in Hawaii!

The IARS abstract submission site will open to abstract authors for possible inclusion in the IARS 2015 Annual Meeting and International Science Symposium in Honolulu, Hawaii and the opportunity to be consider for multiple prizes.

Instructions for submitting an abstract will be available on the IARS website following the IARS 2014 Annual Meeting. Check back and make sure you don’t miss this great opportunity!
**Daily Schedule-At-A-Glance**

6:00 – 11:30 am **Registration**

7:00 – 8:00 am **Problem-Based Learning Discussions (PBLD’s)**

8:00 – 11:00 am **Concurrent Sessions**
- Review Course Lectures
- Panels

**REVIEW COURSE LECTURES**

**RCL-21 • 8:00 am – 8:55 am**

**OBSTETRIC HEMORRHAGE – THE RIGHT RESPONSE AT THE RIGHT TIME**

**Presenter:** Cynthia Wong, MD, Professor and Vice Chair, Department of Anesthesiology, Northwestern University's Feinberg School of Medicine, Chicago, Illinois

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Cite the incidence of postpartum hemorrhage and maternal morbidity and mortality associated with postpartum hemorrhage in United States and throughout the world. (2) Explain the role of obstetric hemorrhage protocols and blood banking strategies to prepare for anticipated and unanticipated obstetric hemorrhage; and (3) Discuss the role of recombinant factor VIIa, cell salvage, and fibrinogen replacement in the management of obstetric hemorrhage.

**RCL-22 • 10:00 am – 10:55 am**

**ANESTHETICS AND INFLAMMATION: A PERFECT STORM FOR LONG-TERM MEMORY LOSS**

**Presenter:** Beverley A. Orser, MD, PhD, FRCPC, Fellow, Canadian Academy of Health Sciences, Canada Research Chair in Anesthesia, Professor of Anesthesiology and Physiology, University of Toronto, Toronto, Ontario, Canada

**PANELS**

**P-23 • 8:00 am – 9:30 am**

**MANAGEMENT OF AIRWAY DILEMMAS**

**Moderator:** Maya S. Suresh, MD, Baylor College of Medicine, Houston, Texas

- **Update on Application of New ASA Guidelines on Difficult Airway Management**
  William Rosenblatt MD, Professor of Anesthesiology and of Surgery (Otolaryngology); Director, Anesthesia for otolaryngology; Yale School of Medicine, New Haven, Connecticut, REMEDY President and Founder, Past President of SAM

- **Management of Difficult Airway Outside the OR/Remote Locations**
  Irene P. Osborn, MD, Associate Clinical Professor Anesthesiology, Associate Professor Neurosurgery, Mount Sinai Hospital, Mount Sinai, New York

- **Failed Airway in Obstetrics: Avoiding Airway Catastrophes**
  Maya S. Suresh, MD, Professor and Chairman, Baylor College of Medicine, Chief of Anesthesiology, Ben Taub General Hospital, Houston, Texas, Past President of SOAP, Past President of SAM

- **Extubation of the Difficult Airway**
  Richard M. Cooper, BSc, MSc, MD, FRCPC, Professor, Department of Anesthesia, University of Toronto; Director, Anesthesia Airway Fellowship, Toronto General Hospital, Toronto, Ontario, Canada; President, SAM

**Learner Objectives:** After participating in this activity, the learner will be able to: (1) Received an introduction on ASA Closed Claim Studies and highlight airway issues related to intubation, extubation and emergence; (2) Reviewed the recurring airway related themes shown in the UK Fourth National Audit Project that have resulted in adverse outcomes; (3) Reviewed an airway-related case; (4) Discussed different strategies to successfully manage airway issues encountered during intubation; (5) Discussed strategies to manage cannot intubate – cannot ventilate situations; and (6) Identified risk factors leading up to airway related mortality following emergence from anesthesia and successful management to avoid morbidity and mortality.
Tuesday, May 20, 2014

PANELS – continued

SOAP
Society for Obstetric Anesthesia and Pain Medicine

P-24 • 9:30 am – 11:00 am
NEURAXIAL LABOR ANALGESIA: TRICKS OF THE TRADE

Moderator: Brendan Carvalho, MBBCh, FRCA, MDCH, Chief of Obstetric Anesthesia and Associate MCL Professor in the Department of Anesthesiology, Stanford University Medical Center, Stanford, California

Panelists:

- Obstetric and Neonatal Effects of Neuraxial Analgesia
  Cynthia A. Wong, MD, Professor and Vice Chair, Department of Anesthesiology, Northwestern University’s Feinberg School of Medicine, Chicago, Illinois

- Techniques and Drugs to Optimize Labor Analgesia
  Brendan Carvalho, MBBCh, FRCA, MDCH, Chief of Obstetric Anesthesia and Associate MCL Professor in the Department of Anesthesiology, Stanford University Medical Center, Stanford, California

- Troubleshooting the Poorly Functioning Epidural Catheter
  Anne Lavoie, MD, FRCPC, Assistant Clinical Professor, Centre Hospitalier Universitaire de l’Université de Montréal (CHUM), Montreal, Quebec, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the effects (positive, negative, and nonexistent) of neuraxial labor analgesia on obstetric outcomes such as the progress of labor, mode of delivery, fetal bradycardia, maternal fever and breastfeeding; (2) Select techniques and drugs to optimize neuraxial labor analgesia, including combined spinal-epidural (CSE) analgesia, patient controlled epidural analgesia (PCEA) and use of ultrasonography for initiation of analgesia; and (3) Explain why some blocks fail and recommend techniques to prevent block failure and rescue inadequate analgesia, including catheter design, dose/volume ratios, and rescue drugs (e.g., clonidine).

PROBLEM-BASED LEARNING DISCUSSIONS – 7:00 – 8:00 am

PBLD-TUE-2
THE DAY-SURGERY SPINE CASE WITH DIFFICULT AIRWAY AND CHRONIC OPIOID USE: HOW DO WE MAKE IT HAPPEN?

Moderator: Juan Francisco Asenjo, MD, Associate Professor of Anesthesia and Pain Medicine, Montreal, General Hospital, McGill University Health Centre, Montreal, Quebec, Canada

Learner Objectives: After participating in this activity the learner will be able to: (1) Discuss the challenges faced to accomplish the objectives of discharging a complex patient in a complex surgery; (2) Identify clinical pathways in day-surgery spine procedures; and (3) Discuss innovative options to deal with patients on chronic opioids requiring this type of operation.

PBLD-TUE-3
STRATEGIES TO IMPROVE QUALITY OF RECOVERY AFTER SURGERY: NEW PARADIGMS

Moderator: Gildasio S. De Oliveira Jr. MD, MSCI, Associate Chair for Research, Department of Anesthesiology, Feinberg School of Medicine, Chicago, Illinois, Editor-in-Chief, Journal of Ambulatory Anesthesia

Learner Objectives: After participating in this activity the learner will be able to: (1) Discuss the challenges faced to accomplish the objectives of discharging a complex patient in a complex surgery; (2) Identify clinical pathways in day-surgery spine procedures; and (3) Discuss innovative options to deal with patients on chronic opioids requiring this type of operation.

PBLD-TUE-4
OBESITY, SLEEP APNEA SYMPTOMATOLOGY AND NASAL SURGERY: WHERE DO I START?

Moderator: David Hillman MBBS, FANZCA, FRCP (Edin), FRACP (Hon), Clinical Professor, Head, Department of Pulmonary Physiology and Sleep Medicine Director, West Australian Sleep Disorders Research Institute, Sir Charles Gairdner Hospital, Perth, Australia, Immediate past president of the Society of Anesthesia and Sleep Medicine (SASM)

Learner Objectives: At the end of this session, the learner will be able to: (1) Discuss preoperative assessment for obstructive sleep apnea; (2) Define place of clinical screening tests for obstructive sleep apnea; (3) Determine the place for simple versus complex (polysomnography) sleep studies; (4) Identify the shared characteristics of sleep and anesthesia, particularly in regard to airway collapsibility and conscious state; (5) Determine optimal perioperative management including place of non-invasive positive airway pressure therapies (CPAP and bi-level ventilation).
Moderated Poster Discussion Rounds

Saturday, May 17
10:00 am – 5:30 pm

Sunday, May 18
7:00 am – 4:30 pm

Monday, May 19
7:00 am – 4:30 pm
**Moderated Poster Discussion Rounds • Saturday, May 17**

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**Learner Objectives:**
As a result of participating in this educational activity, learners will be able to describe recent advances in anesthesiology practice and patient care from the topic area and incorporate this new knowledge into their professional practice.
CC-1 SELECTIVE INTRABRONCHIAL INSUFFLATION THROUGH THE ENDOTRACHEAL TUBE: CHALLENGING CASE REPORT

S. Haider¹, A. Sinofsky¹, O. Ahmed², J. Roccaforte²
¹Anesthesia and Surgical Critical Care, New York University School of Medicine, New York, New York, ²Otolaryngology, New York University School of Medicine, New York, New York

CC-2 A COMPLETE LEFT BRONCHUS OCCLUSION BY MUCOUS PLUG MIMICKING TENSION PNEUMOTHORAX

A. M. Mohiuddin, A. Chiricolo, S. Cohen, S. Berman, D. Ramos, S. S. Mungekar, C. W. Hunter
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey

CC-3 PROLONGED COCAINE TOXICITY AFTER INTRANAIAL TOPICAL APPLICATION

B. Maslin, A. Alian
Anesthesiology, Yale University, New Haven, Connecticut

CC-4 ANESTHETIC MANAGEMENT OF CONGENITAL MYOTONIC DYSTROPHY (CMD): A 14-YEARS-OLD FEMALE WITH CMD FOR EXTENSIVE INTRA-ABDOMINAL PROCEDURE: CHALLENGING CASE REPORT, HUMAN

M. Nagoshi, S. E. Chen
Department of Anesthesiology, Children’s Hospital Los Angeles, Los Angeles, California

CC-5 INTRA-OPERATIVE MANAGEMENT OF A LARGE VASCULAR RETROPERITONEAL CARCINOID TUMOR

R. H. modi, G. Zhu, T. O'barr, P. Roffey, D. Thangathurai
Anesthesiology, LAC-USC Medical Center, Los Angeles, California

CC-6 EISENMENGER’S SYNDROME AND PREGNANCY

S. Syed¹, S. Syed¹, S. Cohen¹, A. Mohiuddin¹, A. Razvi², A. Sake³
¹Anesthesiology, ZMAR LLC, Sugarland, Texas, ²Science, Houston Baptist University, Houston, Texas, ³Anesthesiology, Rutgers Medical School-Robert Wood Johnson Hospital, New Brunswick, New Jersey

CC-7 SIMPLY MIDIFIED PERCUTANEOUS TRACHEOSTOMY BY ONE OPERATOR AND ONE NURSE

S. Park¹, W. Chung²
¹Anesthesiology and Pain Medicine, Chungnam National University Hospital, Daejeon, Korea, Republic of Korea

CC-8 GENERAL ANESTHESIA FOR THE HEAVIEST LIVING MAN IN THE WORLD

A. S. Terkawi¹, M. Rafiq¹, M. E. Durieux¹, R. Algadaan¹, K. S. Doais²
¹Anesthesiology, University of Virginia, Charlottesville, Virginia, ²Anesthesiology, King Fahad Medical City, Riyadh, Saudi Arabia

CC-9 DIAGNOSIS & MANAGEMENT OF INCIDENTAL AORTIC DISSECTION DURING BILATERAL LUNG TRANSPLANTATION WITH CARDIOPULMONARY BYPASS

M. R. Mathis, M. D. Caldwell
Anesthesiology, University of Michigan, Ann Arbor, Michigan

S-80 THE AGE OF TRANSFUSED BLOOD PREDICTS HEMATOCRIT CHANGE IN PATIENTS WHO HAVE UNDERGONE ELECTIVE HIP OR KNEE ARTHROPLASTY

V. Petrov-Kondratov¹, M. Fung², C. Greene³
¹Anesthesiology, University of Texas Southwestern Medical Center, Dallas, Texas, ²Pathology, Fletcher Allen Health Care, Burlington, Vermont, ³Anesthesiology, Fletcher Allen Health Care, Burlington, Vermont

S-81 BLOOD RECOVERY FROM VACUUM-ASSISTED WOUND CLOSURE DEVICES

G. Konig¹, H. Dhaliwal¹, J. Orr1, M. Bertenthal¹, A. D. Murdock¹, J. H. Waters¹
¹Department of Anesthesiology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, ²Trauma and General Surgery, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

S-82 LONG TERM SEDATION WITH VOLATILE ANESTHETICS COMPARED TO PROPOFOL IMPROVES OUTCOME IN A RODENT MODEL OF SEPSIS

M. Schläpfer¹, T. Pregeler¹, R. O. Dull², D. E. Schwartz², B. Beck-Schimmer¹, R. D. Minshall²
¹Department of Anesthesiology, University Hospital Zurich, Zurich, Switzerland, ²Department of Anesthesiology, University of Illinois at Chicago, Chicago, Illinois
S-83 INVESTIGATION OF A NOVEL TURBINE-DRIVEN VENTILATOR FOR USE IN CARDIOPULMONARY RESUSCITATION
S. Allen, L. Brewer, E. Gillis, D. Sakata, N. Pace
Anesthesiology, University of Utah, Salt Lake City, Utah

S-84 EPINEPHRINE INTRA-MUSCULAR “PENS”
W. F. Sellers1, P. Maino2;
1Anesthesia, Retired, Great Easton, United Kingdom, 2Anesthesia, Lugano Hospital, Lugano, Switzerland

S-85 PREDICTION SCORE NOT NECESSARY FOR PATIENTS WITH ATRIAL FIBRILLATION BEFORE CARDIAC SURGERY
E. Conrad, J. Blankenstein, D. T. Tran;
Anesthesiology, University of Ottawa Heart Institute, Ottawa, Ontario, Canada

S-86 THE EFFECT OF PEEP ON BLOOD LOSS DURING RADICAL PROSTATECTOMY
E. I. Ehieli1, L. Howard2, S. J. Freedland3, T. G. Monk4
1Anesthesiology, Duke University Hospital, Durham, North Carolina, 2Biostatistics, Duke University Hospital, Durham, North Carolina, 3Urology, Duke University Hospital, Durham, North Carolina, 4Anesthesiology, University of Missouri Hospital, Columbia, Missouri

Neuroscience in Anesthesiology and Perioperative Medicine 1
Abstracts in Poster Discussion Rounds: S-133 – S-139
Presenters in Attendance: 10:00 am – 11:30 am

PR01-03

Poster Moderator: M. Brzezinski, MD, PhD, University of California San Francisco, San Francisco, California

S-133 PERIOPERATIVE CYTOKINE PATTERNS IN CSF AND PLASMA DURING AND AFTER KNEE REPLACEMENT SURGERY
J. Hirsch1, S. Vacas1, G. Meckler1, S. Neuman1, J. Kramer1, M. Maze1, J. M. Leung1
1Department of Anesthesia and Perioperative Care, UCSF, San Francisco, California

S-134 TO STUDY THE RELATIONSHIP BETWEEN PROTECTIVE EFFECT OF CEREBRAL ISCHEMIA INJURY BY ALL-TRANS RETINOIC ACID AND ITS EFFECT ON TREG CELL IN MICE
C. Wang
Department of Anesthesiology, Xijing Hospital, Xi’an, P.R. China, Xi’an, China

S-135 ROLE OF MITOCHONDRIAL TRANSITION PORE (MTPTP) CHANNEL PROTEIN VDAC1 IN MIDDLE-AGED RODENTS EXPOSED TO MIDAZOLAM
D. S. Rosenberger1, W. Subre2, F. Falangola3, A. Ledreux4, D. Wynn4, A. Granholm4
1Anesthesia and Perioperative Medicine & Neurosciences, Medical University of South Carolina, Charleston, South Carolina, 2Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina, 3Radiology and Radiological Science, Medical University of South Carolina, Charleston, South Carolina, 4Neurosciences, Medical University of South Carolina, Charleston, South Carolina

S-136 MEASUREMENT OF THE GASOTRANSMITTER HYDROGEN SULFIDE IN HUMANS USING THE FLUORESCENT MOIETY DANSYL AZIDE
N. Collins
Anesthesiology, FAHC/UMV, Burlington, Vermont

S-137 EFFECTS OF ISOFLURANE ON THALAMO-CORTICAL AND CORTICO-CORTICAL TRIGGERED UP STATES IN MURINE BRAIN SLICES
A. Raz1, H. Hentschke2, B. M. Krause1, S. M. Grady1, M. I. Banks1
1Anesthesiology, University of Wisconsin – Madison, Madison, Wisconsin, 2Anesthesiology, University Hospital of Tubingen, Tubingen, Germany, 3Neuroscience Training Program, University of Wisconsin - Madison, Madison, Wisconsin

S-138 MAXIMUM DAILY SODIUM IS A PREDICTOR OF ACUTE KIDNEY INJURY IN PATIENTS FOLLOWING SUBARACHNOID HEMORRHAGE
A. B. Kumar1, M. Shotwell2, Y. Shi3, J. Richards1, J. M. Ehrenfeld1
1Anesthesia and Critical Care, Vanderbilt University, Nashville, Tennessee, 2Biostatistics, Vanderbilt, Nashville, Tennessee

S-139 NITROUS OXIDE-INDUCED SLOW AND DELTA OSCILLATIONS
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

Airway Management 1
Abstracts in Poster Discussion Round: S-1 – S-6
Presenters in Attendance: 1:00 pm – 2:30 pm

PR01-04

Poster Moderator: M. Ozaki, MD, Tokyo Women’s Medical University, Tokyo, Japan

S-1 EMERGENCY INTUBATION WITH VIDEOLARYNGOSCOPY: PRELIMINARY DATA OF A PROSPECTIVE, RANDOMIZED, MULTICENTER OUT-OF-HOSPITAL TRIAL
S. Janssen1, F. Reifferscheid1, V. Doerges2, P. Knacke1, A. Callies2, E. Cavus1
1Anaesthesiology and Intensive Care Medicine, University Hospital Schleswig-Holstein Campus Kiel, Kiel, Germany, 2Anaesthesiology and Intensive Care Medicine, Sana Clinics Ost-Holstein, Eutin, Germany, 3Anaesthesiology and Intensive Care Medicine, Klinikum Links der Weser, Bremen, Germany
PR01-04 – continued

S-2 “THE PATIENT ACTUALLY LIKES IT!!”: A SIMPLE AND NO-EXTRA-COST TSE-ALLOTEH NASAL CPAP MASK/CIRCUIT FOR A MORBIDLY OBSESE PATIENT WITH OBSTRUCTIVE SLEEP APNEA UNDER MAC FOR IRRIGATION AND DEBRIDEMENT OF ANKLE ULCER
H. Skiff, C. W. Hunter, E. Pantin, R. Alloteg, S. Barsoum, C. Kloepping, J. Tie
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey

S-3 DIVERSITY OF OUT-OF-OPERATING-ROOM INTUBATIONS AMONG RESIDENCY PROGRAMS IN THE UNITED STATES
P. Upadya, M. Conopio, J. Spiliatos, A. Padover, A. Krottapalli, S. Shodhan
Anesthesiology, St. Joseph's Regional Medical Center, Paterson, New Jersey

S-4 A PILOT STUDY TO EVALUATE A NOVEL TECHNIQUE FOR BAG MASK VENTILATION IN A PATIENT WITH ESTABLISHED CRITERIA FOR DIFFICULT MASK VENTILATION
D. Grech, S. Patel, H. Israel, A. Bekker
Anesthesiology, Rutgers New Jersey Medical School, Newark, New Jersey

S-5 PREDICTING THE OPTIMAL CUFF VOLUME WITH THE CROSS-SECTIONAL AREA OF THE TRACHEA
H. Kimura1, Y. Mishima1, T. Hiraki2, K. Imamura3, A. Ito1
1Anesthesiology, Kurume University School of Medicine, Kurume, Japan, 2Anesthesiology, Kurume University School of Medicine, Kurume, Fukuoka, Japan, 3Anesthesiology, Kurume University School of Medicine, Kurume, Japan

S-6 NO-COST TSE “MASK” FOR PRE-OXYGENATION PRIOR TO RAPID SEQUENCE INDUCTION OF GENERAL ANESTHESIA IN A PATIENT WITH LARGE BOWEL OBSTRUCTION, PAINFUL NASOGASTRIC TUBE, ANXIETY AND CLAUDRPHOBIA
J. Kim, S. Barsoum, N. Kumar, T. Mehta, S. Shah, C. W. Hunter, J. Tie
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey

S-22 SUITABILITY OF THE FOREARM FOR AUTOMATED NON-INVASIVE BLOOD PRESSURE MEASUREMENT
N. Rajan, S. L. Rao
Department of Anesthesiology, Pennsylvania State Hershey Medical Center, Hershey, Pennsylvania

S-23 THE CUT-OFF VALUE OF D-DIMER IN FRACTURE PATIENTS: SCREENING FOR PREOPERATIVE DEEP VEIN THROMBOSIS
H. Yoshioka, R. Yasumura, M. Kazutani, H. Yamazaki, Y. Kohayashi
Anesthesiology, Tokyo Medical Center, Tokyo, Japan

S-24 EFFECT OF DEXAMETHASONE ON BLOOD GLUCOSE IN AMBULATORY SURGERY
J. A. Polderman, J. H. Eshuis, M. Hollmann, B. Preckel, J. Hermanides
Anesthesiology, Academic Medical Centre, Amsterdam, Netherlands

S-25 DEEP SEDATION FOR OMFS USING DEXMEDETOMIDINE WITHOUT PROPFOLO
C. Heard, R. Mirele, J. Ecker
Pediatric Anesthesiology, Women & Children's Hospital of Buffalo, Buffalo, New York

S-26 A NOVEL SEDATION REGIMEN: ADMINISTRATION OF INTRANASAL REMIFENTANIL FOR PEDIATRIC DENTAL SEDATION FOR ADJUNCT SEDATION
C. Heard1, A. Kundra2, T. Gardner3, C. Ciamibella1, C. Wanamaker2
1Anesthesiology, Women & Children's Hospital of Buffalo, Buffalo, New York, 2Pediatric Dentistry, Women & Children's Hospital of Buffalo, Buffalo, New York

S-27 ASSESSING A MULTIMODAL CURRICULUM TO DEVELOP RESIDENT PROFESSIONALISM AND COMMUNICATION SKILLS – A PILOT STUDY
Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-28 COMPARISON OF PROPOFOL VS. PROPOFOL/FENTANYL ANESTHESIA FOR UPPER GASTROINTESTINAL ENDOSCOPY
M. Hannallah1, M. Rezai1, J. Carroll2, A. Charabaty2, C. Palese3, F. Barton3, N. Haddad2
1Department of Anesthesia, Georgetown University Hospital, Washington, DC, 2Department of Biostatistics, Georgetown University Hospital, Washington, DC, 3Department of Biostatistics, The EMMES Corporation, Rockville, Maryland

S-29 EFFECT OF SINGLE DOSE IV ACETAMINOPHEN ON POSTOPERATIVE/POSTDISCHARGE NAUSEA AND VOMITING, PAIN, AND PATIENT SATISFACTION IN OUTPATIENTS UNDERGOING LAPAROSCOPIC CHOLECYSTECTOMY
1Population Health, North Shore-LIJ Health System, Great Neck, New York, 2Anesthesiology, Hofstra North Shore-LIJ School of Medicine, Manhasset, New York, 3Anesthesiology, Hofstra North Shore-LIJ School of Medicine, New Hyde Park, New York, 4Anesthesiology, North Shore University Hospital, North Shore-LIJ Health System, Manhasset, New York, 5Anesthesiology, Hofstra North Shore-LIJ School of Medicine, Syosset, New York

Ambulatory Anesthesia 1
Abstracts in Poster Discussion Rounds: S-22 – S-29
Presenters in Attendance: 1:00 pm – 2:30 pm

PR01-05

Poster Moderator: R. Hannallah, Children's Hospital-DC, Washington, DC

S-22 SUITABILITY OF THE FOREARM FOR AUTOMATED NON-INVASIVE BLOOD PRESSURE MEASUREMENT
N. Rajan, S. L. Rao
Department of Anesthesiology, Pennsylvania State Hershey Medical Center, Hershey, Pennsylvania
Liver 1
Abstracts in Poster Discussion Rounds: S-128 – S-132
Presenters in Attendance: 1:00 pm – 2:30 pm
PR01-06
Poster Moderator: M. Rice, MD, University of Florida, Gainesville, Florida

S-128 DISCOVERY OF A FUNCTIONAL CYP2E1 EPITOPE WITH IMPLICATIONS IN THE PATHOGENESIS OF HEPATIC DILI AND INFECTION
1ACCM, Pediatrics and Pathology, Johns Hopkins University, Cockeysville, Maryland, 2ACCM, Johns Hopkins University, Baltimore, Maryland, 3Pathology, Medical Microbiology and Immunology, Johns Hopkins University, Baltimore, Maryland

S-130 IMPACT OF %6 STARCH 130/0.4 AND %4 GELATIN INFUSION ON KIDNEY FUNCTION IN THE LIVING-DONOR LIVER TRANSPLANTATION
A.Z. Demir1, B. Aydınıl2, H. I. Toprak3, F. M. Yılmaz4, Ü. Karadeniz2, C. Züngün5, P. Uçar6
1Anesthesiology Clinic, Türkiye Yüksek İhtisas Hospital, Ankara, Turkey, 2Anesthesiology Clinic, Türkiye Yüksek İhtisas Hospital, Ankara, Turkey, 3Anesthesiology, Inonu University, Faculty of Medicine, Malatya, Turkey, 4Department of Biochemistry, Ankara Numune Education and Research Hospital, Ankara, Turkey, 5Biochemistry, Ankara Numune Education and Training Hospital, Ankara, Turkey, 6Anesthesiology, Türkiye Yüksek İhtisas Education and Research Hosp, Ankara, Turkey

S-131 ENOLATE-FORMING COMPOUNDS PROVIDE HEPATOPROTECTION IN A MOUSE MODEL OF ACETAMINOPHEN TOXICITY
A. Vydyvanathan1, B. Kosharskyy2, N. Shaparin1, L. Zhang2, R. LoPachin2, T. Gavin1
1Anesthesiology and Pain Medicine, Montefiore Medical Center, New York, New York, 2Department of Anesthesiology, Albert Einstein College of Medicine, New York, New York, 3Department of Chemistry, Iona College, New Rochelle, New York

S-132 HYDROXYETHYL STARCH AND ACUTE KIDNEY INJURY IN ORTHOTOPIC LIVER TRANSPLANTATION: A SINGLE CENTER RETROSPECTIVE REVIEW
W. R. Hand, J. R. Whiteley
Anesthesiology and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina

Pediatric Anesthesia 1
Abstracts in Poster Discussion Round: S-255 – S-261
Presenters in Attendance: 1:00 pm – 2:30 pm
PR01-07
Poster Moderator: C. Ing, MD, Columbia University, New York, New York

S-255 USE OF ULTRASOUND FOR PEDIATRIC CAUDAL BLOCKS IN A RESIDENCY TRAINING PROGRAM
D. A. Schwartz1, P. Prasanna1, A. Begley1, C. Gibson1, M. Whitney2, R. Dirienzo1, N. R. Connelly1
1Department of Anesthesiology, Baystate Medical Center, Springfield, Massachusetts, 2Division of Nursing, Baystate Medical Center, Springfield, Massachusetts

S-256 THE USE OF KETOROLAC FOR POSTOPERATIVE ANALGESIA IN CHILDREN UNDERGOING MYRINGOTOMY AND PLACEMENT OF EQUALIZATION TUBES
M. Phillips1, T. Nguyen2, H. Lam2, T. Autilton3
1Medical School, Lincoln Memorial University, Cumberland Gap, Tennessee, 2Anesthesiology, Monroe Carell Childrens Hospital, Nashville, Tennessee, 3Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, 4Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-257 ULTRASOUND-GUIDED THORACIC PARAVERTEBRAL BLOCK CATHETER EXPERIENCE IN TWO NEONATES
M. Thompson1, B. Haynes2
1Anesthesiology/Surgery, Covenant Children’s Hospital, Lubbock, Texas, 2Neonatology, Covenant Children’s Hospital, Lubbock, Texas

S-259 DOES DEXMEDETOMIDINE CAUSE LESS AIRWAY COLLAPSE THAN PROPOFOL WHEN USED FOR DEEP SEDATION
C. Heard3, S. Wati4, R. Hegazy5, P. Gupta5, V. Iqbal3, A. Sabouri3
1Pediatric Anesthesiology, Women & Children's Hospital of Buffalo, Buffalo, New York, 2Pediatric Radiology, Women & Children's Hospital of Buffalo, Buffalo, New York, 3Anesthesiology, Massachusetts General Hospital, Boston, New York

S-260 MALADAPTIVE BEHAVIOR CHANGES IN PRE-SCHOOL AGE CHILDREN AFTER AMBULATORY SURGERY
L. Lopata1, Y. Cai1, J. Buse1, M. Monteleone1, M. Huang1, S. Wang2, L. Sun1
1Department of Anesthesiology, Columbia University, New York, New York, 2Department of Biostatistics, Columbia University, New York, New York, 3Department of Anesthesiology & Pediatrics, Columbia University, New York, New York

S-261 ISOFLURANE EXPOSURE IN NEONATAL RAT PUPS IS NOT ASSOCIATED WITH DECREASED VENTRAL HIPPOCAMPAL SIZE
J. S. Lagoy1, R. R. Bennett1, L. M. Carson1, J. R. Salinaro2, G. M. Sheehan2, S. C. Hillier1
1Anesthesiology, Geisel School of Medicine at Dartmouth College, Lebanon, New Hampshire, 2Anesthesiology, Geisel School of Medicine at Dartmouth, Hanover, New Hampshire, 3Anesthesiology, Dartmouth College, Hanover, New Hampshire
Moderated Poster Discussion Rounds • Saturday, May 17

Challenging Case Reports 2
Abstracts in Poster Discussion Round: CC-10 – CC-18
Presenters in Attendance: 2:30 pm – 4:00 pm

PR01-08
Poster Moderator: M. Lovrinovic, MD, Roswell Park Cancer Institute, Buffalo, New York

CC-10 ANESTHESIA CONSIDERATIONS FOR CAVERNOUS SINUS HEMANGIOMA
S. R. Jarrett, R. Janakiraman, K. Deepika
Anesthesiology, Jackson Memorial/University of Miami Hospitals, Miami, Florida

CC-11 POST-OPERATIVE ANIOEDEMA: DIAGNOSIS AND TREATMENT OF HEREDITARY AND ACQUIRED C1 INHIBITOR DEFICIENCY
P. G. Boysen1, S. M. Lato2
1Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana, 2Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana

CC-13 ANAESTHETIC MANAGEMENT OF A CASE OF CONGENITAL CATARACT FOR LEFT EYE CATARACT EXTRACTION WITH LEFT VENTRICULAR NON COMPACTION – CHALLENGING CASE REPORT
Y. N. Meghani
Department of Pediatric Anesthesiology, B. J. Wadia Hospital, Mumbai, India

CC-14 SEVERE BRADYCARDIA DURING LARYNGOSCOPY IN A 5 YEAR OLD GIRL WITH HYPERTROPHIC CARDIOMYOPATHY AND CARDIOFACIOCUTANEOUS SYNDROME
A. Lin, A. Dave, T. Kubacki
Anesthesiology, Morgan Stanley Children's Hospital, New York, New York

CC-15 EXTRACORPOREAL MEMBRANE OXYGENATION FOR MANAGING CARBON MONOXIDE POISONING INDUCED CARDIOGENIC SHOCK: A RARE APPLICATION
A. B. Barker
Anesthesiology, University of Alabama, Birmingham, Alabama

CC-16 SUPERIOR VENA CAVA INJURY FOLLOWING CENTRAL VENOUS CATHETER REMOVAL-A CHALLENGING CASE REPORT
B. Aakre, M. Abe
Anesthesiology, Mayo Clinic, Rochester, Minnesota

CC-17 HEPARIN-INDUCED THROMBOCYTOPENIA COMPLICATED BY CARDIAC ISCHEMIA, HEMOTHORAX, AND HIGH DOSE ARGATROBAN
D. Dott, J. Schlesinger
Department of Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee

CC-18 AIRWAY COMPROMISE AND PERIOPERATIVE MANAGEMENT OF A PATIENT WITH ACQUIRED FACTOR XII (FXII) INHIBITOR
K. J. Tone1, M. Lalu1, S. Kilty2, E. Rosenberg3, T. James4, A. Timmoth5
1Department of Anesthesiology, The Ottawa Hospital, Ottawa, Ontario, Canada, 2Department of Otolaryngology – Head and Neck Surgery, The Ottawa Hospital, Ottawa, Ontario, Canada, 3Department of Critical Care, The Ottawa Hospital, Ottawa, Ontario, Canada, 4Ottawa University - Faculty of Medicine, The Ottawa Hospital, Ottawa, Ontario, Canada, 5Department of Hematology, The Ottawa Hospital, Ottawa, Ontario, Canada

Critical Care, Trauma and Resuscitation 2
Abstracts in Poster Discussion Round: S-87 – S-93
Presenters in Attendance: 2:30 pm – 4:00 pm

PR01-09
Poster Moderator: S. Worah, MD, SUNY Downstate Medical Center, Brooklyn, New York

S-87 COMPARISON OF INTRAVENOUS CONTINUOUS AND BOLUS INFUSION OF FLUIDS IN PATIENTS UNDERGOING MAJOR GASTROINTESTINAL SURGERY
L. H. Navarro e Lima1, R. M. Lima1, N. Y. Santos1, W. Meina1, G. R. Rodrigues1, A. Brinley2, G. C. Kramer3
1FMB - Anesthesiology Department, Botucatu Medical School – UNESP, Botucatu, Brazil, 2UTMB – Anesthesiology Department, University of Texas Medical Branch, Galveston, Texas

S-88 MEAN PLATELET VOLUME ASSOCIATION WITH POSTOPERATIVE ACUTE KIDNEY INJURY
D. Cormican1, M. Mailé1, J. Haff2, E. Jewell2, M. Engoren1
1Department of Anesthesiology & Critical Care, University of Michigan, Ann Arbor, Michigan, 2Dept. of Cardiothoracic Surgery, University of Michigan, Ann Arbor, Michigan

S-89 METHYLENE BLUE ADMINISTRATION FOR ACUTE SEPTIC CARDIOMYOPATHY IN A SEVERELY BURNED PATIENT
J. Schlesinger1, C. Burger2
1Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, 2Pharmacy, St. Francis Medical Center, Memphis, Tennessee

S-90 ASA TRAUMA CARE SURVEY: ANESTHESIOLOGY PRACTICES AND OPPORTUNITY FOR EDUCATION
M. McCunn1, M. S. Vavilala2, R. Speck3, R. P. Dutton4
1Anesthesiology and Critical Care, University of Maryland Shock Trauma Center, Baltimore, Maryland, 2University of Washington, Seattle, Washington, 3University of Pennsylvania, Philadelphia, Pennsylvania, 4Anesthesia Quality Institute, Park Ridge, Illinois

S-92 NEEDLELESS CONNECTORS SUBSTANTIALLY REDUCE FLOW OF CRYSTALLOID AND RED BLOOD CELLS
R. A. Lehn1, J. McIsaac2, K. Gipson2
1Anesthesiology, University of Connecticut, Farmington, Connecticut, 2Anesthesiology, Hartford Hospital, Hartford, Connecticut
Moderated Poster Discussion Rounds • Saturday, May 17

PR01-09 – continued

S-93 PRE-BLOCK OF α7ACHRS BY ITS SPECIFIC ANTAGONIST, METHYLLYCOCITINE (MLA) OBLITERATES THE IMMOBILIZATION-INDUCED RESISTANCE TO ROCURONIUM IN MICE

S. Lee¹, H. Yang², Y. Kim³, J. Martyn⁴
¹Department of Anesthesiology and Pain Medicine, Sanggye Paik Hospital, Inje University, College of Medicine, Seoul, Republic of Korea, ²Department of Anesthesiology and Pain Medicine, Asan Medical Center, College of Medicine, University of Ulsan, Seoul, Republic of Korea, ³Department of Anesthesiology and Pain Medicine, Gachon University of Medicine and Science, Inchon, Republic of Korea, ⁴Anesthesiology, Massachusetts General Hospital, Boston, Massachusetts

Neuroscience in Anesthesiology and Perioperative Medicine 2
Abstracts in Poster Discussion Round: S-140 – S-147
Presenters in Attendance: 2:30 pm – 4:00 pm

PR01-10

Poster Moderator: A. Brambrink, MD, PhD, Oregon Health and Science University, Portland, Oregon

S-140 DEVELOPMENT AND EVALUATION OF A TRAINING PROTOCOL FOR ASSESSING DELIRIUM AS AN OUTCOME IN CLINICAL TRIALS

K. Escallier¹, H. Maybrier², B. A. Fritz³, Y. Chen³, M. R. Muench³, A. Ben Abdallah⁴, M. S. Avidan⁵
¹Anesthesiology, Washington University School of Medicine, Saint Louis, Missouri, ²Anesthesiology, Washington University School of Medicine, St. Louis, Missouri

S-141 ASSOCIATION BETWEEN 25-HYDROXYVITAMIN D LEVEL AND PRE-OPERATIVE QUALITY OF LIFE IN JOINT REPLACEMENT SURGERY PATIENTS

L. Blum¹, S. I. Young², H. Bedair³, A. Freiberg⁴, S. A. Quraishi⁵
¹Department of Anesthesia, Critical and Pain Management, Massachusetts General Hospital, Boston, Massachusetts, ²Department of Orthopedic Surgery, Massachusetts General Hospital, Boston, Massachusetts

S-142 IDENTIFICATION OF POTENTIAL TARGET PROTEINS LEADING TO REDUCED SURGICAL BLOODING FROM PRETREATMENT OF SPRAGUE DAWLEY RATS WITH C. ATROX VENOM

M. Barnhart¹, R. Raval², R. Applegate³, J. Zhang²
¹Anesthesiology, Loma Linda University School of Medicine, Loma Linda, California, ²Anesthesiology, Basic Science Division of Physiology, Loma Linda University, Loma Linda, California

S-143 RELATIONSHIP OF AWAKE BISPECTRAL INDEX TO PREOPERATIVE MEMORY FORMATION

R. L. Wagner¹, M. Allain², X. Zheng¹, R. O’Hara³, P. O’Connor², M. F. O’Connor², D. Glick²
¹Pritzker School of Medicine, University of Chicago, Chicago, Illinois, ²Anesthesia and Critical Care, University of Chicago, Chicago, Illinois

S-144 CRITICAL ROLE OF INFLAMMATORY CYTOKINES IN IMPAIRING BIOCHEMICAL PROCESSES FOR LEARNING AND MEMORY AFTER SURGERY IN RATS

Z. Zuo
Anesthesiology, University of Virginia, Charlottesville, Virginia

S-145 HIPPOCAMPAL GABAERGIC FIELD POTENTIALS: A NOVEL HIGH THROUGHPUT SCREEN FOR GENERAL ANESTHETICS IN RAT

J. Nie¹, B. Sharma¹, B. Maclver¹, B. D. Heifets¹
¹Biology, Stanford University, Stanford, California, ²School of Medicine, Louisiana State University Health Sciences Center, New Orleans, Louisiana, ³Anesthesiology, Perioperative & Pain Medicine, Stanford University School of Medicine, Palo Alto, California

S-146 POST-DISCHARGE NAUSEA AND VOMITING AFTER ORTHOGONIC SURGERY REMAINS FREQUENT DESPITE IMPLEMENTATION OF MULTIMODAL PROTOCOL EFFECTIVE IN REDUCING POST-OPERATIVE NAUSEA AND VOMITING

J. Berry¹, C. Brooker¹, J. A. Anderson¹, T. A. Turvey¹, V. J. Kopp¹
¹Anesthesiology, University of North Carolina, Chapel Hill, North Carolina, ²Oral & Maxillofacial Surgery, University of North Carolina Hospitals, Chapel Hill, North Carolina

S-147 ACTIVATION OF CB2 RECEPTOR SYSTEM REVERSES AMYLOID-INDUCED IMPAIRMENT OF NEUROGENESIS AND COGNITIVE FUNCTION IN RATS

M. Naguib, J. Wu, B. Bie, D. L. Brown
General Anesthesia, Cleveland Clinic, Cleveland, Ohio

Cardiovascular Anesthesiology 1
Abstracts in Poster Discussion Round: S-51 – S-58
Presenters in Attendance: 4:00 pm – 5:30 pm

PR01-11

Poster Moderator: M. Dworschak, MD, MBA, Medical University of Vienna, Vienna, Austria

S-51 PERIOPERATIVE ADULT CARDIAC SURGERY BLOOD UTILIZATION IN THE POST APROTININ ERA: A SINGLE CENTER, 4 YEAR, 634 PATIENT RETROSPECTIVE REVIEW.

A. D. Sharma, A. Al-Achi, D. Behrend, R. Hummel, M. Preston, J. F. Seccombe
Cardiac Anesthesia/Cardiac Surgery, St. Vincent’s Hospital Heart Center, Green Bay, Wisconsin

S-52 DEXMEDETOMIDINE DOES NOT PREVENT POSTOPERATIVE ATRIAL FIBRILLATION AFTER LUNG CANCER SURGERY

D. Ai¹, G. Xu², J. Yu¹, L. Feng¹, J. Bancha¹, J. P. Cata¹
¹Anesthesiology and Perioperative Medicine, The University of Texas – MD Anderson Cancer Center, Houston, Texas, ²Anesthesiology, Henan Cancer Hospital, Hunan, China, ³Anesthesiology and Perioperative Medicine, The University of Texas – MD Anderson Cancer Center, Houston, Texas, ⁴Biostatistics, The University of Texas - MD Anderson Cancer Center, Houston, Texas, ⁵Cardiology, The University of Texas – MD Anderson Cancer Center, Houston, Texas
PR01-11 – continued

S-53 PROSPECTIVE RANDOMIZED CLINICAL TRIAL COMPARING ROUTINE INTRAOPERATIVE TRANSESOPHAGEAL ECHOCARDIOGRAPHY TO STANDARD CARE DURING RADICAL CYSTECTOMY
S. Kellman, J. D. Roberts, M. Chaney, E. Negron
Department of Anesthesia and Critical Care, The University of Chicago Medicine, Chicago, Illinois

S-55 PREOPERATIVE PLATELET COUNT IMPROVES TEG-BASED PREDICTION OF THROMBOCYTOPENIA AFTER CARDIOPULMONARY BYPASS
G. A. Hans, L. Roediger, B. Hubert, D. Ledoux, J. Brichant, M. Senard
Anesthesia and Intensive Care Medicine, CHU of Liege, Liege, Belgium

S-56 IS TRANSFUSION ASSOCIATED WITH DECREASED GRAFT PATENCY AFTER CARDIAC SURGERY?
M. Engoren¹, T. A. Schwannt², E. Jewell, S. Neill, P. Benedict, D. Likosky, R. H. Habib
¹Anesthesiology, University of Michigan, Ann Arbor, Michigan, ²Cardiothoracic Surgery, University of Toledo, Toledo, Ohio

S-57 ESTIMATION OF CARDIAC OUTPUT BY NINE DIFFERENT PULSE CONTOUR ALGORITHMS IN CARDIAC SURGERY PATIENTS
O. Broch¹, A. Carstens², M. Grunewald, M. Albrecht², J. Renner³
¹Department of Anesthesiology and Intensive Care Medicine, University Schleswig-Holstein, Campus Kiel, Kiel, Germany, ²Department of Anesthesiology and Intensive Care Medicine, University Hospital Schleswig-Holstein, Kiel, Germany, ³Department of Anesthesiology and Intensive Care Medicine, University Hospital Schleswig-Holstein, Campus Kiel, Kiel, Germany

S-58 INCIDENCE OF POSTOPERATIVE ACUTE RENAL DYSFUNCTIONS DEPENDENT ON SURGICAL PROCEDURE USED IN RADICAL OPERATION FOR ABDOMINAL AORTIC ANEURYSM - OPEN ARTIFICIAL GRAFT REPAIR VS. ENDVASCULAR AORTIC REPAIR
R. Tanii, R. Okutani
Anesthesiology, Osaka City General Hospital, Osaka, Japan

Challenging Case Reports 3
Abstracts in Poster Discussion Round: CC-19 – CC-26
Presenters in Attendance: 4:00 pm – 5:30 pm

PR01-12

Poster Moderator: D. Bustamante, MD, University of Tennessee, Knoxville, Tennessee

CC-19 LONG QT SYNDROME AND SEVERE BRONCHOSPASM IN THE PEDIATRIC OPERATING ROOM
C. Abdallah, R. Patel
Anesthesiology, Children’s National, Washington, DC

CC-20 ANESTHESIA CONSIDERATIONS IN A PEDIATRIC PATIENT WITH RHOMBENCEPHALOSYNAPSIS AND GOMEZ-LOPEZ-HERNANDEZ SYNDROME
C. Abdallah
Anesthesiology, Children’s National, Washington, DC

CC-21 PROLONGED SENSORY AND MOTOR LOSS AFTER HIP ARTHROPLASTY: ROLE OF FASCIA ILIACA BLOCK
J. Van Straten, I. Gusanova, G. P. Joshi
Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

CC-22 ELECTIVE SURGERY WITH ACUTE VENOUS THROMBOEMBOLISM, DOES IT REALLY MATTER?
K. Dorothea, R. Silverman
Anesthesiology, Jackson Memorial Hospital/University of Miami, Miami, Florida

CC-23 EMERGENT INTRAOPERATIVE CARDIOPULMONARY BYPASS DURING NEPHRECTOMY
K. Fikry, M. McKeen
Department of Anesthesiology, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

CC-24 INHALED ALBUTEROL INDUCED ATRIAL FIBRILLATION WITH RAPID VENTRICULAR RESPONSE IN A PATIENT AFTER TRICUSPID VALVE REPAIR REQUIRING EMERGENT INTUBATION
K. Nomoto, I. Chung
Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

CC-25 A CASE OF RESPIRATORY ARREST DURING INTRAOPERATIVE MAGNETIC RESONANCE IMAGING (MRI) FOR AWAKE CRANIOTOMY
K. Kamata¹, K. Wada¹, T. Maruyama¹, K. Hirooka¹, N. Komayama¹, Y. Muragaki¹, M. Ozaki¹
¹Anesthesiology, Tokyo Women’s Medical University, Tokyo, Japan, ²Neurosurgery, Tokyo Women’s Medical University, Tokyo, Japan

CC-26 HYPERAMMONEMIA CAUSING CENTRAL PONTINE MYELINOLYSIS IN THE POSTOPERATIVE PERIOD
L. Gilbertson¹, A. Jahanian¹, P. Roffey¹, M. Mogos¹, D. Thanthathurai², R.H. Modi³
¹Anesthesiology, Keck School of Medicine of USC, Los Angeles, California, ²Anesthesiology, Keck School of Medicine, Los Angeles, California, ³Anesthesiology, LAC USC Medical Center, Los Angeles, California
**Abstracts in Poster Discussion Round: S-203 – S-209**

**Presenters in Attendance:** 4:00 pm – 5:30 pm

**PR01-13**

**Poster Moderator:** K. Candiotti, MD, University of Miami, Miami Beach, Florida

**S-203** MULTIMODAL ANALGESIA WITH LIDOCAINE FOR ACUTE PAIN – A RETROSPECTIVE STUDY

N. Eipe, Q. Tawfic, J. Penning
Anesthesiology, The Ottawa Hospital, Ottawa, Ontario, Canada

**S-204** INTRATHECAL MULTIDRUG INFUSION FOR PAIN CONTROL IN ELDERLY PATIENTS AND END-STAGE MALIGNANCIES – 3 CASE REPORT SERIES

S. Abdolmohammadi, G. Blaise
Anesthesiology, Notre-Dame Hospital (CHUM), Montreal University, Montreal, Quebec, Canada

**S-205** IMPROVING THE UTILIZATION OF AN INPATIENT PAIN SERVICE AT A COMMUNITY HOSPITAL

E. Cooper, G. Seana, P. Upadya, S. Dadaian
Anesthesiology, St. Joseph's Regional Medical Center, Paterson, New Jersey

**S-206** PERIOPERATIVE DEXAMETHASONE AND THE DEVELOPMENT OF CHRONIC POST-MASTECTOMY PAIN: A PROPENSITY MATCHED ANALYSIS

G. S. De Oliveira
Anesthesiology, Northwestern University, Chicago, Illinois

**S-207** ASSESSING THE SEVERITY AND RISK FACTORS OF POST OPERATIVE PAIN IN GONDAR UNIVERSITY HOSPITAL, ETHIOPIA FROM MARCH – THE 15TH OF JUNE 2012

W. Admasu
Anesthesia Department, Addis Ababa University, Addis Ababa, Ethiopia

**S-208** EFFECT OF INTRAVENOUS LIDOCAINE ON POSTOPERATIVE RECOVERY IN PATIENTS UNDERGOING BREAST SURGERY: A DOUBLE-BLINDED, PLACEBO RANDOMIZED CONTROLLED TRIAL

A. S. Terkawi¹, D. Birenz¹, M. E. Durieux¹, F. E. Blum¹, M. Tiouririne¹
¹Anesthesiology, University of Virginia, Charlottesville, Virginia,
²Surgery, University of Virginia, Charlottesville, Virginia,
³Anesthesiology, University of Virginia, Charlottesville, Virginia

**S-209** HUMAN FACTORS RESULTS FOR IONSYS (FENTANYL TRANSDERMAL SYSTEM) FOR POSTOPERATIVE PAIN MANAGEMENT

H. Minkowitz¹, N. Joshi², B. Phipps³, S. B. Wilcox⁴, P. Sneeringer⁴
¹Anesthesiology, Memorial Hermann Memorial City Hospital, Bellaire, Texas,
²Global Product Development, The Medicines Company, Redwood City, California,
³Chief Science Officer, The Medicines Company, Redwood City, California,
⁴Consultant, Design Science Consulting, Inc., Philadelphia, Pennsylvania

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**Abstracts In Poster Discussion Round: S-101 – S-107**

**Presenters in Attendance:** 4:00 pm – 5:30 pm

**PR01-14**

**Poster Moderator:** J. White, MD, University of Florida, Gainesville, Florida

**S-101** THE IMPACT OF A FLIPPED CLASSROOM ON INTERN WELLNESS AND BURNOUT: A PILOT STUDY

L. Wen, E. Rafter, K. Harrison, L. Chu, E. Mariano, S. Roberts, A. Udani
Department of Anesthesiology, Pain and Perioperative Medicine, Stanford Hospital and Clinics, Palo Alto, California

**S-102** LESS FRESH IS MORE GREEN

P. Upadya, S. Shah, S. Dadaian, S. Shodhan, E. Cooper, G. M. Sesana
Anesthesiology, St. Joseph's Regional Medical Center, Paterson, New Jersey

**S-104** ANALYSIS OF PATIENT PREFERENCES FOR DIFFERENT TYPES OF PREOPERATIVE ORAL REHYDRATION THERAPY PRODUCTS

Y. Matsuoka
Anesthesiology, West NTT Corporation Osaka Hospital, Osaka, Japan

**S-105** INTRODUCTION OF 2ND SIMULATION SESSION DURING 3RD YEAR UNDERGRADUATE ANAESTHESIA CORE ROTATION – “EXIT SIMULATION”

M. Choi¹, S. DeSousa², A. Rybinski², F. Alam³, V. Percival³, I. Devito³, A. Sarmah³
¹Anesthesiology, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada,
²Sunnybrook Canadian Simulation Centre, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada,
³Anesthesiology, Mount Sinai Hospital, Toronto, Ontario, Canada

**S-106** SURVEY ON USE OF PHARMACOKINETIC SIMULATION SOFTWARE FOR ANESTHESIA RESIDENT EDUCATION

D. R. Tapia, K. A. Sedeek
Anesthesiology, Pennsylvania State Hershey Medical Center, Hershey, Pennsylvania

**S-107** EVALUATION OF MORE “BRAIN-FRIENDLY” TEACHING TECHNIQUES USED IN A WORKSHOP ON PAIN PREVENTION. PART I: TEACHING CONCEPTS

S. Himmelscher
Anesthesiology, TU Munich, Muenchen, Germany
Learner Objectives:

As a result of participating in this educational activity, learners will be able to describe recent advances in anesthesiology practice and patient care from the topic area and incorporate this new knowledge into their professional practice.

Note: Morning session posters must be taken down at 12:00 pm – 12:30 pm to make room for the afternoon sessions.
Moderated Poster Discussion Rounds • Sunday, May 18

### Anesthetic Pharmacology 1
Abstracts in Poster Discussion Round: S-30 – S-37
Presenters in Attendance: 7:00 am – 8:30 am

**PR02-15**

**Poster Moderator:** F. Donati, MD, University of Montreal, Montreal, Quebec, Canada

**S-30** DEXMEDETOMIDINE INFUSION AS AN ANESTHETIC ADJUNCT REDUCES THE UTILIZATION OF SEVOFLURANE DURING GENERAL ANESTHESIA

I. Russo-Menna
Anesthesiology, Division of Pediatric, Virginia Commonwealth University Health System, Richmond, Virginia

**S-32** LIQUID SEVOFLURANE DOES NOT SUPPORT BACTERIAL GROWTH

1. I. Batai, 1. Z. Batai, M. Kerényi
1Anesthesia and Intensive Care, University of Pecs, Pecs, Hungary, 1Medical Microbiology, University of Pecs, Pecs, Hungary

**S-33** Refined methods for tail venous catheterization and intubation for total intravenous anesthesia in rats

S. K. Puri, J. Li, J. Reyes, V. Le, M. Xiong, J. H. Ye, A. Bekker
Department of Anesthesiology, Rutgers - New Jersey Medical School, Newark, New Jersey

**S-34** Differential anesthetic effects on human natural killer cell activity and toxicity

A. J. Patel, T. Nakayama, K. A. Jones, J. Chewning
1Anesthesiology, UAB, Birmingham, AL, 2Pediatrics, University of Alabama at Birmingham, Birmingham, Alabama

**S-35** DO DELTA SUBUNITS INTRODUCE ASYMMETRY IN GABA-A RECEPTOR ETOMIDATE SITES?

H. Feng, K. Liu, Y. Jounaidi, S. A. Forman
Department of Anesthesia Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

**S-36** A PROSPECTIVE RANDOMIZED DOUBLE BLIND TRIAL COMPARING THE EFFICACY OF A BOLUS OF IV LIDOCAINE AND REMIFENTANYL ON THE INCIDENCE OF COUGHING AT EMERGENCE

L. Poulin, F. Gaudin, G. Arcand, A. Lallo, F. Girard
1Anesthesiology, Universite de Montreal, Montreal, QC, Canada, 2Anesthesiology, Hospital de Saint-Jerome, Saint-Jerome, QC, Canada, 3Anesthesiology, Universite de Montreal, Centre Hospitalier Universitaire de Montreal, Division Hopital Notre-Dame, Montreal, QC, Canada

**S-37** ESTIMATING THE POTENCY OF MUSCLE RELAXANTS. COMPARING NON-LINEAR REGRESSION WITH INDIVIDUAL ESTIMATES OF POTENCY USING THE HILL EQUATION

S. B. Bhatt, M. Sarhan, J. M. Sisk
Anesthesiology, University of Toledo Medical Center, Toledo, Ohio

### Challenging Case Reports 4
Abstracts in Poster Discussion Round: CC-27 – C-33
Presenters in Attendance: 7:00 am – 8:30 am

**PR02-16**

**Poster Moderator:** I. Hilmi, MB ChB, FRCA, University of Pittsburgh, Pittsburgh, Pennsylvania

**CC-27** ARGON GAS EMBOLISM DURING PEDIATRIC LIVER RESECTION

N. Singh, R. Christensen
Department of Pediatric Anesthesiology, University of Michigan, Ann Arbor, Michigan

**CC-28** ATN OR NOT: DILEMMA BETWEEN ICU TEAM AND UROLOGY

R. H. Modi, L. E. Ota, P. Roffey, M. Mogos, D. Thangathurai
Anesthesiology, LAC-USC Medical Center, Los Angeles, California

**CC-29** CHALLENGING CASE REPORT: TRANSIENT HYPERTENSION CAUSED BY INTERSCALENE NERVE BLOCK

A. B. Pichurko, F. M. Orza
Department of Anesthesiology, University of Illinois, Chicago, Illinois

**CC-30** SUSPECTED VENOUS AIR EMBOLISM DURING ESOPHAGOSCOPY AND STENT PLACEMENT FOR GASTRIC OUTLET OBSTRUCTION: A CHALLENGING CASE REPORT

C. Beahm, E. Kilmartin
Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania

**CC-31** A CASE OF HYPERACUTE LIVER FAILURE AFTER VOLATILE ANESTHETIC IN A PATIENT WITH QUIESCENT AUTOIMMUNE HEPATITIS

D. Wetzel, R. Patch, J. Jensen, D. Brown
Anesthesiology, Mayo Clinic, Rochester, Minnesota

**CC-32** CONSIDERATIONS FOR USE OF ULTRASOUND GUIDANCE FOR PARAVertebral NERVE BLOCKADE

H. T. Schittek
Anesthesiology, UPMC, Pittsburgh, Pennsylvania

**CC-33** INTERSCALENE BLOCK AND PERMANENT PHRENIC NERVE PARESIS: A RARE COMPLICATION. IS IT PREVENTABLE?

T. Khan, A. R. Brown
Anesthesiology, Columbia University Medical Center, New York, New York
S-150  EFFECTS OF HYPERTONIC SODIUM CHLORIDE HYDROXYETHYL STARCH 40 INJECTION ON INTRACRANIAL PRESSURE, CEREBRAL OXYGEN SUPPLY-DEMAND BALANCE AND CARDIOVASCULAR FUNCTION OF NEUROSURGICAL PATIENT

Q. Hui
Department of Anesthesiology, Eye and ENT Hospital Affiliated to Fudan University, Shanghai, China

S-151  CORTICAL RISK FACTORS RELATED TO SURGERY FROM ADNI DATABASE BLOOD AND IMAGING BIOMARKERS

R. P. Kline1, F. F. Cuadrado2, M. Haile3
1Anesthesiology, NYU Langone Medical Center, New York, New York, 2Anesthesiology, NYU Langone Medical Center, New York, New York, 3Anesthesiology, New York University School of Medicine, New York, New York

S-152  SYNAPTIC PLASTICITY IN THE CA3 SUBFIELD OF THE HIPPOCAMPUS IS FACILITATED BY GABAA RECEPTORS IN MICE

S. Avramescu1, W. D. Paul2, I. Lecker2, B. A. Orser1
1Department of Anesthesia, Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Ontario, Canada, 2Department of Physiology, University of Toronto, Toronto, Ontario, Canada

S-153  POSTOPERATIVE COGNITIVE DYSFUNCTION; EXECUTIVE FUNCTION VS. MEMORY AFTER GENERAL ANESTHESIA

S. Deiner, X. Luo, M. Sano
Anesthesiology, Icahn School of Medicine at Mt. Sinai, New York, New York
Moderated Poster Discussion Rounds • Sunday, May 18

**PR02-18 – continued**

S-223 ACCURACY OF MALIGNANT HYPERTHERMIA DIAGNOSES IN HOSPITAL DISCHARGE RECORDS

T. Pinyavat¹, H. Rosenberg², B. Lang¹, C. Wong¹, S. Riazi³, L. S. Sun¹, G. Li¹
¹Anesthesiology, Columbia University, New York, NY; ²Medical Education and Clinical Research, Saint Barnabas Medical Center, Livingston, New Jersey; ³Anesthesiology, Northwestern University, Chicago, Illinois; ⁴Anesthesiology, Toronto General Hospital, Toronto, Ontario, Canada

**Airway Management 2**

Abstracts in Poster Discussion Round: S-7, S-8, S-10 – S-13

Presenters in Attendance: 8:30 am – 10:00 am

**PR02-19**

Poster Moderator: J. Berman, MD, University of North Carolina, Chapel Hill, North Carolina

S-7 RANDOMIZED CONTROLLED TRIAL OF THE RIGID AND FLEXING LARYNGOSCOPE VERSUS THE FIBEROPTIC BRONCHOSCOPE FOR DIFFICULT AIRWAY MANAGEMENT

A. B. King¹, B. D. Alvis², C. Hughes¹, M. Higgins³, D. Hester⁴
¹Department of Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee; ²Vanderbilt Medical Center, Nashville, Tennessee; ³Anesthesiology, VUMC, Nashville, Tennessee; ⁴Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-8 A NOVEL AIRWAY RESCUE TECHNIQUE: CAMERA IN TUBE INTUBATION THROUGH A SUPRAGLOTTIC AIRWAY

A. Craenen¹, E. Koopman¹, N. Eipe², J. Huitink³
¹Anesthesiology, Virginia University Medical Center, Amsterdam, Netherlands; ²Anesthesiology, The Ottawa Hospital, Ottawa, Ontario, Canada

S-10 A NOVEL LARYNGOSCOPE MODIFICATION FOR FASCILITATING DIRECT LARYNGOSCOPY IN THE SMALL LAB RODENT

S. K. Puri, J. Li, J. Reyes, V. Le, M. Xiong, J. H. Ye, A. Bekker
Department of Anesthesiology, Rutgers - New Jersey Medical School, Newark, New Jersey

S-11 LARYNGEAL MASK AIRWAY USE IN PATIENTS WITH ELEVATED BODY MASS INDEX, A RETROSPECTIVE REVIEW

C. Effertz, C. Burke, M. Walsh
Anesthesia, Mayo Clinic, Rochester, Minnesota

S-12 3-DIMENSIONAL DIRECT LARYNGOSCOPY - A FEASIBILITY STUDY

J. M. Watkins-Pitchford
Anesthesiology, Richmond VAMC, Richmond, Virginia

S-13 SIMULATION AS A SET-UP FOR TECHNICAL MASTERY: CAN A HIGH-FIDELITY VIRTUAL WARM-UP IMPROVE RESIDENT PERFORMANCE OF FIBEROPTIC INTUBATION?

S. T. Samuelson
Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

**Anesthetic Pharmacology 2**

Abstracts in Poster Discussion Round: S-38 – S-45

Presenters in Attendance: 8:30 am – 10:00 am

**PR02-20**

Poster Moderator: I. Batai, PhD, University of Pecs, Pecs, Hungary

S-38 GAS MAN DERIVED COMPARTMENTAL AND LEROU PHYSIOLOGICAL MODEL VS LU ET AL CLINICAL DATA FOR DESFLURANE

M. R. Sadean
Anesthesiology, University Hospital Medical Center SUNY at Stony Brook, Stony Brook, New York

S-39 GAS MAN DERIVED COMPARTMENTAL VS LEROU PHYSIOLOGICAL MODEL FOR DESFLURANE

M. R. Sadean
Anesthesiology, University Hospital Medical Center SUNY at Stony Brook, Stony Brook, New York

S-41 PROPOFOL PROTECTS AGAINST HIGH GLUCOSE-INDUCED ENDOTHELIAL INFLAMMATION AND DYSFUNCTION IN HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS

Z. Minmin
Department of Anaesthesia, Fudan University Shanghai Cancer Centre, Shanghai, China

S-42 CANNABINOID 2 RECEPTOR MODULATION IN MURINE SEPSIS

J. Sardinha¹, M. Kelly¹, J. Zhou², C. Lehmann³
¹Pharmacology, Dalhousie University, Halifax, NS, Canada; ²Microbiology & Immunology; Anesthesia, Dalhousie University, Halifax, NS, Canada; ³Pharmacology; Microbiology & Immunology; Anesthesia, Dalhousie University, Halifax, NS, Canada

S-43 RAPID AND IMMEDIATE ANTAGONISM BY L-CYSTEINE OF THE NEW ULTRA-SHORT ACTING NONDEPOLARIZER CW 1759-50: PAIRED STUDIES IN RHESUS MONKEYS GIVEN CONTINUOUS INFUSIONS AT 2 X ED99 DOSAGE TO MAINTAIN 100% BLOCK OF TWITCH

J. J. Savarese¹, H. Sunaga¹, M. R. Belmont¹, P. M. Heerdt¹, D. L. Cohn²
¹Anesthesiology, Weill Cornell Medical College, New York, New York; ²Animal Resources Facility, Albany Medical College, Albany, New York

S-44 LIDOCAINE PROTECTED PC12 CELLS AND CULTURED CORTICAL NEURONS FROM BETA AMYLOID TOXICITY

J. Lin¹, S. Liao², W. Zheng³
¹Department of Anesthesiology, Stony Brook University Health Sciences Center, Stony Brook, New York; ²State Key Laboratory of Ophthalmology, Sun Yat-Sen University, Guangzhou, China
PR02-20 – continued

S-45 MIDAZOLAM INHIBITS PROLIFERATION OF HUMAN GlioBLASTOMA MGR2 CELLS

J. Lin¹, W. Zhu², S. Lin², G. Yan²
¹Department of Anesthesiology, Stony Brook University Health Sciences Center, Stony Brook, NY, ²Department of Pharmacology, Sun Yat-Sen University, Guangzhou, China, ³Research Center, Guangzhou Cellprotek Inc, Guangzhou, China

PR02-21

Poster Moderator: M. Ozaki, MD, Tokyo Women's Medical University, Tokyo, Japan

CC-34 COLLABORATION BETWEEN ANESTHESIA AND SURGICAL TEAMS DETERMINES BEST APPROACH TO INFILTRATE LIPOSOME BUPIVACAINE IN A DIFFICULT CASE

L. E. Claybon¹, D. V. Smith²
¹Anesthesiology, St. Elizabeth Medical Center--South, Edgewood, Kentucky, ²Surgery, St. Elizabeth Healthcare, Weight Management Center Florence, Florence, Kentucky

CC-35 CHALLENGING CASE REPORT: NEW ONSET CONVERSION DISORDER PRESENTING AS POST-OPERATIVE ALTERED MENTAL STATUS

D. S. Kang¹, M. Hirschfeld², K. M. Certa²
¹Department of Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Psychiatry, Jefferson Medical College, Philadelphia, Pennsylvania

CC-36 CHALLENGING CASE REPORT - AIRWAY DEVELOPMENT STATUS-POST GUNSHOT WOUND (GSW) TO THE SHOULDER WITH EXPANDING HEMATOMA AND CARTILAGE DISRUPTION

K. I. McClelland¹, C. E. Griffith², G. D. Haileddine¹
¹Anesthesiology, Howard University College of Medicine, Washington, DC, ²Howard University Hospital, Washington, DC

CC-37 ETHICS AND CLINICAL CARE OF THE JEHOVAH’S WITNESS WITH POSTPARTUM HEMORRHAGE

M. Prin, G. Gallos
Anesthesiology, Columbia University Medical Center, New York, New York

CC-38 CHALLENGING CASE REPORT – MALIGNANT HYPERThERMIA IN THE POSTOPERATIVE SETTING

M. S. Thompson¹, T. Gelzinski¹, I. Hilmi²
¹Anesthesiology, UPMC, Pittsburgh, Pennsylvania, ²Anesthesiology, University of Pittsburgh, Pittsburgh, Pennsylvania

CC-39 PLACEMENT OF AN EPIDURAL WITH SUBSEQUENT ADVENTITIOUS, INTRAOPERATIVE DISCOVERY OF THROMBOCYTOSIS AND CHRONIC MYELOGENOUS LEUKEMIA

M. G. Bergson, C. Connor
Department of Anesthesiology, Boston Medical Center, Boston, Massachusetts

CC-40 HARLEQUIN SYNDROME FOLLOWING IMPLANTATION OF AN INTRATHECAL PUMP- A CASE REPORT

S. Srinisavan¹, N. Zinboonyahgoon², S. Narang³
¹Department of General Surgery, Creighton University Medical Center, Omaha, Nebraska, ²Anesthesiology, Perioperative and Pain Medicine, Brigham and Women’s Hospital, Boston, Massachusetts, ³Anesthesiology, Perioperative and Pain Management, Brigham and Women’s Hospital, Boston, Massachusetts

PR02-22

Poster Moderator: M. Zaugg, MD, University of Alberta, Edmonton, Alberta, Canada

S-103 RELATED FACTORS FOR MECHANICAL COMPLICATIONS IN ULTRASOUND GUIDED CENTRAL VENOUS CATHETERIZATION

T. Yorozu¹, Y. Shiokawa², K. Moriyama³, Y. Azuma¹
¹Anesthesiology, Kyorin University, School of Medicine, Tokyo, Japan, ²Neurosurgery, Kyorin University, School, Tokyo, Japan, ³Anesthesiology, Kyorin University, School of Medicine, Tokyo, Japan

S-108 EVALUATION OF MORE BRAIN-FRIENDLY TEACHING TECHNIQUES USED IN A WORKSHOP ON PAIN PREVENTION PART II: KNOWLEDGE GAIN

S. Himmelseher
Anesthesiology, TUMunich, Muenchen, Germany

S-110 IMPACT OF FRESH GAS FLOW RATES ON VOLATILE ANESTHETIC AGENT USAGE: A COST ANALYSIS

A. H. Jeffery
Anesthesiology, McMaster University, Hamilton, Ontario, Canada

S-111 DO STRUCTURED COMMERCIAL INTENSIVE WEEKEND MOCK ORAL BOARD EXAMS IMPROVE EXAM PERFORMANCE?

R. B. Silverman
Anesthesiology, University of Miami, Miami, Florida

S-112 DEVELOPMENT OF CLINICAL PERFORMANCE METRICS FOR RESIDENTS

J. M. Ehrenfeld¹, J. P. Wanderer², W. R. Furman³, D. Snyder⁴, M. D. McEvoy⁵
¹Anesthesiology, Surgery, and Biomedical Informatics, Vanderbilt University, Nashville, Tennessee, ²Anesthesiology, Vanderbilt University, Nashville, Tennessee, ³Anesthesiology, Pepperdine University, Malibu, California, ⁴Anesthesiology, Duke University, Durham, North Carolina, ⁵Anesthesiology, Stanford University, Stanford, California

Abstracts in Poster Discussion Round: CC-34 – CC-40
Presenters in Attendance: 8:30 am – 10:00 am

Abstracts in Poster Discussion Round: S-103, S-108 – S-114
Presenters in Attendance: 8:30 am – 10:00 am
S-303 ADHESION TO GUIDELINES FOR THE MANAGEMENT OF LOCAL ANESTHETIC SYSTEMIC TOXICITY IS IMPROVED BY AN ELECTRONIC DECISION SUPPORT TOOL AND DESIGNATED 'READER'

W. R. Hand1, M. D. McEvoy2, W. D. Stoll3, C. M. Furse4, P. J. Nieters1
1Anesthesiology and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina, 2Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, 3Department of Public Health Sciences, Medical University of South Carolina, Charleston, South Carolina

S-304 SATISFACTION GUARANTEED? ASSESSING SATISFACTION WITH IPAD APPLICATIONS TO FACILITATE EMERGENCE IN NON-NATIVE ENGLISH SPEAKERS

M. C. Galvez1, P. O’Connor2, D. Glick3
1Anesthesiology and Critical Care, The University of Chicago, Chicago, Illinois, 2Anesthesiology and Critical Care, University of Chicago, Chicago, Illinois

S-305 MINIMALLY INVASIVE PREDICTION OF SCVO2 IN HIGH-RISK SURGERY: THE INTRODUCTION OF A MODEL INDEX OF OXYGENATION

H. S. de Grooth, J. Vos, T. Scheeren, P. A. van Beest
Anesthesiology, University Medical Center Groningen, Groningen, Netherlands

S-306 EVALUATION OF A DECISION SUPPORT SYSTEM TO IMPROVE TIMELY PERIOPERATIVE ANTIBiotic REDOSING AND CHARGE CAPTURE OF INVASIVE LINE PLACEMENTS

N. M. DiGiovanni1, B. G. Nair2, J. R. Douglas3, S. Neuman3, A. Schubert4
1Anesthesiology, Ochsner Medical Center and Ochsner Clinical School – University of Queensland, New Orleans, Louisiana, 2Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington

S-307 RELATIONSHIP OF AWAKE BISPECTRAL INDEX TO POSTOPERATIVE MEMORY FORMATION

R. L. Wagner1, M. Allain1, X. Zheng1, S. N. Ghabra2, G. Tobin2, M. O’Connor3, D. Glick4
1Pritzker School of Medicine, University of Chicago, Chicago, Illinois, 2Anesthesia and Critical Care, University of Chicago, Chicago, Illinois, 3Anesthesia and Critical Care, The University of Chicago, Chicago, Illinois

Challenging Case Reports 6
Abstracts in Poster Discussion Round: CC-42 – CC-49
Presenters in Attendance: 10:30 am – 12:00 pm

CC-42 THE USE OF EXTRACOROREAL MEMBRANE OXYGENATION SYSTEM TO RESUSCITATE A PATIENT THAT WENT INTO UNEXPECTED CARDIAC ARREST FOLLOWING INDUCTION OF ANESTHESIA

R. Faltas
Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania

CC-43 A CHALLENGING CASE- DEXMEDETOMIDINE FOR THE MANAGEMENT OF ACUTE POST-OPERATIVE PAIN

R. Ramlogan, N. Eipe, J. Penning
Anesthesia, The Ottawa Hospital, Ottawa, Ontario, Canada

CC-44 THE IMPOSSIBLE AIRWAY: ANESTHETIC MANAGEMENT OF A PATIENT WITH A MEDIASTINAL MASS OBSTRUCTING BOTH MAINSTEM BRONCHI

R. Martini, V. Sera
Anesthesiology and Perioperative Medicine, Oregon Health and Science University, Portland, Oregon

CC-45 2 CASES OF GENICULAR NERVE BLOCKS (GNBS) FOR CHRONIC KNEE PAIN

S. Shah, B. Collins, A. Sakr, D. Ramos, W. Grubb, S. Cohen, C. W. Hunter
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey

CC-46 “IF IT WALKS LIKE A DUCK”: INTRA-ABDOMINAL ARTERIAL BLEED MASQUERADING AS HYPERTHERMIC HYPOTENSION DURING HIPEC

S. T. Samuelson, A. I. Levine
Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

CC-47 MASSIVE VENOUS AIR EMBOLISM DURING LIVER TRANSPLANTATION: CASE REPORT AND MANAGEMENT

T. Seelhammer
Anesthesiology, University of Michigan, Ann Arbor, Michigan
CC-48 HIGH CARDIAC RISKS AND MASSIVE TONGUE EDEMA FROM 
AN ALLERGIC REACTION: EPINEPHRINE OR INTUBATION?
W. Chee
Department of Anesthesiology, Montefiore Medical Center & Albert 
Einstein College of Medicine, Manhasset, New York

CC-49 INTUBATION WITH VIDEO LARYNGOSCOPE CAUSING 
PHARYNGEAL INJURY AND AIRWAY BLEEDING IN A PATIENT ON 
ANTICOAGULATION THERAPY
B. Cho
Department of Anesthesiology, Stony Brook Medicine, Stony Brook, 
New York

PR02-25
Poster Moderator: L. Knox, MD, University of Texas Medical 
Branch, Galveston, Texas

S-183 POST CESAREAN SECTION EPIDURAL FENTANYL INFUSION 
AND MORPHINE PROVIDE SIMILAR ANALGESIA, BUT EPIDURAL 
MORPHINE CAN CAUSE MORE NAUSEA AND PRURITIS
E. J. Goodman, K. Lai
Anesthesiology, University Hospitals Case Medical Center, Cleveland, 
Ohio

S-184 REGIONAL ANESTHESIA IN HIGH-RISK PARTURIENTS: EFFICACY 
IN PARTURIENTS WITH LOW PLATELET COUNTS
B. Hua, S. Nair, J. Bernstein
Anesthesiology, Montefiore Medical Center, Bronx, New York

S-186 IS 6% HETASTARCH PREFERRED OVER PROPHYLACTIC 
IV EPHEDRINE FOR PREVENTION OF HYPOTENSION FROM 
INTRATHECAL ROPIVACAINE FOR CESAREAN SECTION?
A. Sakr1, S. Cohen1, D. Ramos1, K. Rah1, S. Syed2, S. Syed3, 
C. W. Hunter1
1Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New 
Brunswick, NJ, 2Anesthesiology, ZMAR LLC, Sugar Land, Texas

S-187 DOES INCREASING THE CONCENTRATION OF EPIDURAL-PCA 
FENTANYL FOR LABOR IMPROVE ANALGESIA WITHOUT EFFECT 
TO NEONATE?
A. Sakr, S. Cohen, A. Chiricolo, D. Ramos, K. Rah, A. Doucette, C. W. 
Hunter
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, 
New Brunswick, New Jersey

S-188 CSE FOR CESAREAN SECTION: GERTIE MARX VERSUS 
PENCAN SPINAL NEEDLES
J. Lorthé, S. Shah, S. Cohen, D. Ramos, K. Rah, A. Kapadia, S. 
Baroum
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New 
Brunswick, New Jersey

S-210 EFFICACY OF SPINAL CORD STIMULATION FOR RELIEF OF NON- 
MALIGNANT CHRONIC PAIN AND THE IMPORTANCE OF PROPER 
PATIENT SELECTION
P. Mehrabian, K. D. Candido, R. Sauer, N. Knezevic
Anesthesiology, Advocate Illinois Masonic Medical Center, Chicago, 
Illinois

S-211 COMPARATIVE STUDY BETWEEN CT GUIDED SUPERIOR 
HYPOGASTRIC Plexus BLOCK AND CLASSIC POSTERIOR 
APPROACH
A. Ghoneim1, S. M. Mansour2
1Anesthesia and Pain Management, National Cancer Institute – Cairo 
University, Cairo, Egypt, 2Radiology, Faculty of Medicine, Cairo 
University, Cairo, Egypt

S-212 PHARMACOKINETIC CHARACTERISTICS OF THE IONSYS® 
(FENTANYL) SEPARATED SYSTEM WITH ENHANCED 
CONTROLLER
R. S. Sinatra1, B. Phipps2, N. Jashi3
1Anesthesiology, Yale School of Medicine, New Haven, Connecticut, 
2Chief Scientific Officer, Incline Therapeutics, Inc., Redwood City, 
California, 3Global Product Development, Incline Therapeutics, Inc., 
Redwood City, California

S-213 THE EFFECTS OF A NEW ORAL FORMULATION OF 
METHYLNALTREXONE ON BIOAVAILABILITY AND MORPHINE- 
INDUCED GI TRANSIT CHANGES IN RATS
C. Yuan, C. Wang
Anesthesia & Critical Care, University of Chicago, Chicago, Illinois

S-214 MORPHINE 6-O-SULFATE SODIUM: A NOVEL OPIOID 
ANALGESIC ALTERNATIVE EVALUATED IN A RAT MODEL 
OF DIABETIC NEUROPATHY
N. Dograi1, J. K. Yadlapalli2, M. Dobretsov3, P. A. Crooks4
1Department of Anesthesiology, College of Medicine, University of 
Arkansas for Medical Sciences, Little Rock, Arkansas, 2Department 
of Pharmaceutical Sciences, College of Pharmacy, University of 
Arkansas for Medical Sciences, Little Rock, Arkansas, 3Associate Professor, 
Department of Anesthesiology, College of Medicine, University of 
Arkansas for Medical Sciences, Little Rock, Arkansas, 4Professor and 
Chair, Department of Pharmaceutical Sciences, College of Pharmacy, 
University of Arkansas for Medical Sciences, Little Rock, Arkansas

S-215 MARKOV CHAIN MODELING OF POSTOPERATIVE 
PAIN STATE TRANSITIONS
M. A. Bzdega, P. J. Tighe
Department of Anesthesiology, University of Florida, Gainesville, 
Florida
S-59 A DOUBLE-BLIND, RANDOMIZED, PLACEBO CONTROLLED TRIAL OF PERIOPERATIVE INTRAVENOUS ACETAMINOPHEN IN CARDIAC SURGERY

W. P. Choi1, S. Jelacic2, K. C. Cairn2, P. Richebe1
1Department of Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington, 2Department of Biostatistics, University of Washington, Seattle, Washington, 3Département d’anesthésiologie, Université de Montréal, Montreal, QC, Canada

S-61 EVALUATION OF DIASTOLIC DYSFUNCTION IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT

J. M. Chan1, P. N. Kampaktsis2, F. Y. Liu1, I. Hriljac3, R. B. Devereaux3, A. Salem1, N. J. Skubas2
1Department of Anesthesiology, Weill Cornell Medical College, New York, New York, 2Department of Cardiology, Weill Cornell Medical College, New York, New York, 3Department of Cardiothoracic Surgery, Weill Cornell Medical College, New York, New York

S-62 PREDICTION OF ICU LENGTH OF STAY AFTER CARDIAC SURGERY FROM NEURAL NETWORK ANALYSIS OF PRE-OPERATIVE FACTORS

S. Pothula1, R. J. LaFaro2, C. Devlin3, M. A. Inchiosa4
1Anesthesiology, New York Medical College, Valhalla, NY, 2Surgery, New York Medical College, Valhalla, NY, 3Pharmacology, New York Medical College, Valhalla, New York, 4Pharmacology/Anesthesiology, New York Medical College, Valhalla, New York

S-63 ANESTHESIA INDUCTION TIME IS PROLONGED BY PROPOFOL INFUSION IN AORTIC REGURGITATION PATIENTS

M. Tripathi1, M. Pandey2
1Anestheiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India, 2Emergency, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India

S-64 INDIVIDUALIZED BLOOD MANAGEMENT IN CARDIAC SURGERY USING POINT-OF-CARE BASED TRANSFUSION ALGORITHM

D. Roy1, T. Timouni2, C. Bingley1, R. Kanji2, R. Selley3, V. Rao3, K. Karkouti1
1Department of Anesthesiology, University of Toronto, Toronto, ON, Canada, 2Department of Anesthesiology, Université Paris Diderot-Paris, Paris, France, 3ONTraC, Blood Conservation Program, University of Toronto, Toronto, ON, Canada, 4MCBChB, Keele University, Keele, Staffordshire, United Kingdom, 5Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Ontario, Canada, 6Department of Cardiac Surgery, University of Toronto, Toronto, Ontario, Canada

S-65 THE FRACTAL DIMENSION OF SYSTEMIC VASCULAR RESISTANCE

F. C. Cobej1, E. W. Ursprung1, A. Stukowski1, E. Tolman1, S. Ianchulev1, M. Shapiro1, R. Schumann1
1Anesthesiology, Tufts Medical Center, Boston, Massachusetts, 2Edwards Lifesciences, Boston, Massachusetts, 3Anesthesiology, Tufts Medical Center, Marblehead, Massachusetts, 4Mathematics, Tufts University, Medford, Massachusetts

S-66 SAME DAY CANCELLATION OF CARDiac SURGERY: A RETROSPECTIVE REVIEW AT A LARGE ACADEMIC TERTIARY REFERRAL CENTER

M. M. Smith1, W. J. Mauermann1, D. J. Cook2, J. A. Hyder2, D. W. Barbara2
1Anesthesiology, Mayo Clinic, Rochester, Minnesota, 2Anesthesiology, Massachusetts General Hospital, Boston, Massachusetts

S-67 HEPARIN DOSE-RESPONSE VARIABILITY IS AFFECTED BY GENETIC VARIANTS IN THE COAGULATION PATHWAY: KNG1 POLYMORPHISMS

T. T. Loo1, Z. Wadhwa1, M. Heydarpour1, C. D. Collard1, S. K. Sherrman1, S. C. Body1, J. D. Muehlschlegel1
1Anesthesiology & Perioperative and Pain Medicine, Faculty of Medicine, Brigham and Women's Hospital, Harvard University, University of Toronto, Boston, Massachusetts, USA, Toronto, Ontario, Canada, MA, 2Anesthesiology & Perioperative and Pain Medicine, Faculty of Medicine, Brigham and Women's Hospital, Harvard University, Boston, Massachusetts, 3Division of Cardiovascular Anesthesia, Texas Heart Institute, St. Luke's Episcopal Hospital, Houston, Texas

S-68 TRACHEAL TEAR IN THE SETTING OF PULMONARY VASCULITIS

B. Schmidt1, R. Fuggle1, H. Micha1
1Anesthesiology, Virginia Mason Medical Center, Seattle, Washington, 2Thoracic Surgery, Virginia Mason Medical Center, Seattle, Washington
Moderated Poster Discussion Rounds • Sunday, May 18

**S-155** NEUROENDOCRINE LONG-TERM DEVELOPMENTAL EFFECTS OF EXPOSURE OF NEONATAL RATS TO ANESTHESIA WITH PROPOFOL OR ETOMIDATE

S. Tan1, C. Xu1, C. Seubert1, N. Gravenstein1, A. Martynyuk2
1Anesthesiology, University of Florida, Gainesville, Florida,
2Anesthesiology and the McKnight Brain Institute, University of Florida, Gainesville, Florida

**S-165** THE EFFECT OF VENTILATION ON CEREBRAL OXYGENATION IN PATIENTS UNDERGOING SURGERY IN THE BEACH CHAIR POSITION: A RANDOMIZED CONTROLLED TRIAL

G. S. Murphy, J. Szokol, S. Greenberg, T. Shear
Anesthesiology, North Shore University Health System, Evanston, Illinois

**S-158** SEVOFLURANE AND PROPOFOL INDUCE DISTINCT EEG BURST-SUPPRESSION PATTERNS IN RATS

J. D. Kenny1, S. Ching1, B. Westover1, E. N. Brown1, K. Sol1
1Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts,
2Neurology, Massachusetts General Hospital, Boston, Massachusetts

**S-159** SELECTIVE INHIBITION OF PHOSPHOINOSITIDE 3-KINASE (PI3K)γ IS NEUROPROTECTIVE IN A RAT MODEL OF SURGICAL BRAIN INJURY

L. Huang1, P. Sherchan2, R. Applegate3, R. D. Martin1, J. Zhang3
1Anesthesiology; Basic Science, Division of Physiology, Loma Linda University, Loma Linda, California,
2Basic Science, Division of Physiology, Loma Linda University, Loma Linda, California,
3Anesthesiology, Loma Linda University, Loma Linda, California,
4Neurosurgery, Anesthesiology; Basic Science, Division of Physiology, Loma Linda University, Loma Linda, California

**S-160** MOLECULAR MECHANISMS OF ANESTHETIC INDUCED AMNESIA: SEVOFLURANE DECREASES ACTIVATION OF INTRACELLULAR SIGNALING PATHWAYS RESPONSIBLE FOR LONG TERM POTENTIATION AND PERTURBS LONG TERM RETROGRADE MEMORY IN ADULT MICE

M. Haile, A. von Bergen Granell, M. Norcini, A. Lopez, R. Kline, A. Rosenberg, T. Blanck
Anesthesiology, New York University School of Medicine, New York, New York

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**PR02-29 – continued**

**CC-53** MASSIVE BLOOD LOSS AND LARGE SCALE RESUSCITATION DURING REMOVAL OF RETROPERITONEAL PHEOCHROMOCYTOMA IN A PEDIATRIC PATIENT

C. K. Lamar, A. Reddy, R. McLenan
Anesthesiology, The University of Kentucky, Lexington, Kentucky

**CC-54** A CASE OF UNILATERAL PULMONARY EDEMA

E. D. Wittwer, J. N. Pulido
Anesthesiology, Mayo Clinic Rochester, Rochester, Minnesota

**CC-55** ITROOPERATIVE UROSEPSIS DURING STONE MANIPULATION

P. Hooper1, E. Herron1, S. Arulkumar3
1Anesthesia, LSU Shreveport, Shreveport, Louisiana,
3Anesthesiology, LSUHSC, Shreveport, Louisiana

**CC-56** MEDICALLY CHALLENGING CASE OF TEN ASSOCIATED WITH ITP TREATED WITH INTRAVENOUS IMMUNOGLOBULIN

M. D. Hermann1, J. Schlesinger2, C. Burger3
1Department of Anesthesiology, Division of Critical Care Medicine, Vanderbilt University, Nashville, Tennessee,
2Department of Anesthesiology, Division of Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee,
3Department of Clinical Pharmacy, Saint Francis Hospital, Memphis, Tennessee

**CC-57** LIPOSOME BUPIVACAINE USE IN TRANSVERSUS ABDOMINIS PLANE BLOCK FOR ABDOMINAL SURGERY: A CASE REPORT

S. S. Ayad
Department of Anesthesiology and Pain Management, Fairview Hospital, a Cleveland Clinic Hospital, Cleveland, Ohio

Neuroscience in Anesthesiology and Perioperative Medicine 4
Abstracts in Poster Discussion Round: S-154 – S-160
Presenters in Attendance: 1:30 pm – 3:00 pm

**PR02-30**

**Poster Moderator:** R. Craft, MD, University of Tennessee, Knoxville, Tennessee

**S-154** THREE-HOUR EXPOSURE TO ISOFLURANE CAUSES SIGNIFICANT DEATH OF BRAIN CELLS IN NEONATAL MACAQUES

A. M. Brambrink1, G. A. Disen1, L. D. Martin1, S. Johnson1, J. Olney
1Anesthesiology and Perioperative Medicine, OHSU, Portland, Oregon,
2Oregon National Primate Research Center, Oregon Health & Science University, OHSU, Portland, Oregon,
3Oregon National Primate Research Center, Oregon Health & Science University, Portland, Oregon, OHSU, Portland, Oregon,
4Psychiatry, Washington University in St. Louis, St. Louis, Missouri,
5Psychiatry, Washington University St. Louis, Missouri, St. Louis, Missouri

**S-160** MOLECULAR MECHANISMS OF ANESTHETIC INDUCED AMNESIA: SEVOFLURANE DECREASES ACTIVATION OF INTRACELLULAR SIGNALING PATHWAYS RESPONSIBLE FOR LONG TERM POTENTIATION AND PERTURBS LONG TERM RETROGRADE MEMORY IN ADULT MICE

M. Haile, A. von Bergen Granell, M. Norcini, A. Lopez, R. Kline, A. Rosenberg, T. Blanck
Anesthesiology, New York University School of Medicine, New York, New York

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**PR02-31**

**Poster Moderator:** S. J. Brull, MD, FCARCS (Hon), Mayo Clinic, Ponte Vedra Beach, Florida

**S-224** TSE “MASK” IMPROVES OXYGENATION AND DECREASES SEVERE DESATURATION IN PROPFOFL-SEDATED PATIENTS DURING ERCP

Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Hampshire
S-225 EXTINGUISHING THE FLAMES OF HARM: CHANGING THE STAFFING MODULE
B. G. Fahy¹, D. Gravenstein¹, D. W. Mozingo², J. Gallagher¹.
¹Anesthesiology, University of Florida, Gainesville, Florida, ²Surgery, University of Florida, Gainesville, Florida, ³University of Florida, Gainesville, Florida

S-226 TEAMSTEPPS IMPLEMENTATION IN CRITICAL CARE: A MULTIDISCIPLINARY AND MULTIPROFESSIONAL APPROACH
P. G. Boysen, F. Winterbottom, T. Northern
Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana

S-227 ULTRASOUND GUIDED CVC TIP POSITIONING AND LUNG ULTRASOUND COMPARED WITH CHEST RADIOGRAPH
S. Kim
Anesthesiology, University of Bonn, Bonn, Germany

S-228 IN VIVO IMMUNE PRIMING TO REDUCE BACTERIAL LOAD IN A MOUSE MODEL OF SURGICAL SITE INFECTION
M. Yeager¹, P. Gaye², P. Piot², R. Strawbridge³
¹Anesthesiology, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire, ²Physiology, Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire, ³Surgery, Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire

S-229 IS NO-COST TSE “MASK” MORE EFFICIENT THAN HIGH NASAL CANNULA OXYGEN FLOW IN REDUCING SEVERE DESATURATION IN PATIENTS UNDER DEEP PROPFOF SEDATION DURING VARIOUS MINOR SURGICAL PROCEDURES?
S. Barsoum, C. Klopping, S. Cohen, T. Mehta, S. Shah, J. Kim, J. Tie
Anesthesiology, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey

S-230 THE EFFECT-SITE CONCENTRATION OF SUFENTANIL FOR MAINTAINING HEMODYNAMIC STABILITY TO DOUBLE-LUMEN ENDOBRONCHIAL INTUBATION WITH AIRWAY PRETREATMENT USING NEBULIZED LIDOCAINE DURING BIS-GUIDED PROPFOF ANESTHESIA IN ELDERLY PEOPLE
Y. Luo
Department of Anesthesiology, The Hospital of Qingdao University, Qingdao, China

S-231 COMPARISON OF HOSPITAL LENGTH OF STAY, PERIOPERATIVE RESOURCES AND HYPOXEMIC EVENTS BY SURGICAL PATIENTS WITH AND WITHOUT THE DIAGNOSIS OF OBSTRUCTIVE SLEEP APNEA
A. Fernandez-Butamante, K. Bullard, L. Jameson
Anesthesiology, University of Colorado Denver, Aurora, Colorado

Regional Anesthesia 1
Abstracts in Poster Discussion Round: S-274 – S-277
Presenters in Attendance: 1:30 pm – 3:00 pm

S-274 BRACHIAL PLEXUS NERVE BLOCK IN A PATIENT ON ASPIRIN AND PLAVIX DUE TO RECENT CARDIAC STENT PLACEMENT
A. P. Parikh, A. Sifonios, V. Le, J. D. Eloy
Anesthesia, Rutgers-New Jersey Medical School, Newark, New Jersey

S-275 EVALUATION OF THE FEASIBILITY OF DEXAMETHASONE ADDED TO BUPIVACAINE FOR CONTINUOUS FEMORAL NERVE BLOCK FOR POSTOPERATIVE ANALGESIA AND REHABILITATION AFTER RECONSTRUCTIVE KNEE SURGERY
A. A. Sherif¹, S. M. Soliman², H. M. Koptan³
¹Anesthesia, El-Menufia University, Kuwait, Kuwait, ²Anesthesia, El-Menoufia University, Alexandria, Egypt

S-276 COMPARATIVE STUDY BETWEEN CONTINUOUS EPIDURAL ANESTHESIA AND CONTINUOUS WILEY™ SPINAL ANESTHESIA IN GERIATRIC PATIENTS UNDERGOING TURP
Anesthesia, Theodor Bilharz Research Institute, Giza, Egypt

S-277 CLONIDINE AS A LOCAL ANESTHETIC ADJUNCT FOR BRACHIAL Plexus Blockade: META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS
G. Sidhu¹, R. S. Baker¹, S. Arulkumar², G. S. Hamilton¹, J. Saus²
¹Department of Anesthesiology, LSUHSC, Shreveport, Louisiana, ²Anesthesiology, Louisiana State University Health Sciences Center, Shreveport, Louisiana

Sleep Medicine 1
Abstracts in Poster Discussion Round: S-298 – S-302
Presenters in Attendance: 1:30 pm – 3:00 pm

S-298 A META-ANALYSIS OF OVERNIGHT OXIMETRY AS AN INDEPENDENT SCREENING TOOL FOR OBSTRUCTIVE SLEEP APNEA
A. Kumar, S. Ramachandran
Anesthesiology, University of Michigan, Ann Arbor, Michigan

S-299 FATIGUE FROM SLEEP DEPRIVATION WHILE ON CALL PROMOTES RISKY BEHAVIORS ON THE POST CALL DAY
C. Scher¹, J. Huang², A. Clebone²
¹Anesthesiology, New York University School of Medicine, New York, New York, ²Anesthesiology, Case Western Reserve University School of Medicine, Cleveland, Ohio

Poster Moderator: M. W. Hollmann, MD, PhD, DEAA, Academic Medical Center Amsterdam, Amsterdam, Netherlands
S-49 PROPOFOL CONFERS CARDIOPROTECTION VIA HO-1 DEPENDENT STAT3 ACTIVATION IN NORMAL RATS BUT VIA ADIPONECTIN DEPENDENT STAT3 ACTIVATION IN TYPE 1 DIABETIC RATS

H. Li1, X. Mao1, M. G. Irwin1,2, G. T. Wong1,2, A. S. Clanachan1, P. M. Vanhoutte2,3, Z. Xia1,2,5
1Department of Anaesthesiology, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong, Hong Kong, 2Research Centre, Heart, Brain, Hormone & Healthy Aging, Hong Kong, Hong Kong, 3Department of Pharmacology, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, Alberta, Canada, 4Department of Pharmacology & Pharmacy, Research Centre of Heart, Brain, Hormone & Healthy Aging, Hong Kong, Hong Kong, 5State Key Laboratory of Pharmaceutical Biotechnology, The University of Hong Kong, Hong Kong, Hong Kong

S-50 CALABADION II REVERSES STEROIDAL NEUROMUSCULAR BLOCKING AGENTS FASTER THAN SUGAMMADEX AND REVERSES THE EFFECTS OF BENZYLISOUQUINOLINES, WITHOUT ALTERING THE EFFECTS OF SUCINNYLCHOLINE IN RATS

I. Moreno Duarte1, F. Haerter1, J. Simon1, D. Diaz Gil2, K. Eikermann-Haerter1, L. Isaac1, E. Matthias1
1Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA, 2Department of Radiology, Massachusetts General Hospital, Boston, MA, 3Department of Chemistry and Biochemistry, University of Maryland, Baltimore, Maryland

S-68 PLATELET TRANSFUSION IS NOT ASSOCIATED WITH INCREASED RISK OF POSTOPERATIVE THROMBOEMBOLIC EVENTS IN CARDIAC SURGERY

M. Kremke1, M. Tang2, C. Jakobsen3
1Anaesthesiology and Intensive Care, Aarhus University Hospital, Skejby, Aarhus, Denmark, 2Department of Cardiothoracic and Vascular Surgery, Aarhus University Hospital, Aarhus N, Denmark, 3Anaesthesiology and Intensive Care, Aarhus University Hospital, Aarhus, Denmark

S-69 DEXMEDETOMIDINE DOES NOT PREVENT POSTOPERATIVE ATRIAL FIBRILLATION AFTER ESOPHAGEAL CANCER SURGERY

J. P. Cata1, D. Ai1, J. YU2, L. Feng2, J. Lasala2
1Anesthesiology and Perioperative Medicine, The University of Texas - Maryand Anderson Cancer Center, Houston, Texas, 2Anesthesiology and Perioperative Medicine, Maryand Anderson Cancer Center, Houston, Texas, 3Biostatistics, UT Maryand Anderson Cancer Center, Houston, Texas, 4Biostatistics, UT Maryand Anderson Cancer Center, Houston, Texas
S-70 THE EFFECT OF CHRONIC GARLIC SUPPLEMENT INTAKE ON PLATELET FUNCTION IN HEALTHY VOLUNTEERS: A RANDOMIZED PLACEBO CONTROLLED TRIAL

D. Adelmann1, L. Wetzeli, A. Gleisi, S. Kozi, G. Scharbert2
1Department of Anesthesiology, General Intensive Care and Pain Control, Medical University of Vienna, Vienna, Austria; 2Department of Anaesthesia, General Intensive Care and Pain Control, Medical University of Vienna, Vienna, Austria.

S-71 CARDIOPULMONARY BYPASS TRIGGERS DIMINISHED ABILITY OF ANTIGEN PRESENTING CELLS TO PROCESS ANTIGEN IN SOME PATIENTS

K. Laudanski1, J. Gutsche1, T. Connelly2, W. Szeto3
1Department of Anesthesiology and Critical Care, University of Pennsylvania, Philadelphia, Pennsylvania; 2Neuman University, Neumun University, Philadelphia, Pennsylvania; 3Department of Cardiovascular Surgery, University of Pennsylvania, Philadelphia, Pennsylvania.

S-72 TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVI) IN PATIENTS OLDER THAN 90 YEARS: IS AGE RELEVANT FOR THE PERIOPERATIVE THERAPY?

P. N. Mayr, T. Ried, K. Martin
Department of Anesthesiology, Deutsches Herzzentrum Muenchen, TU Muenchen, Munich, Germany.

S-73 HAPTOGLOBIN 2-2 PHENOTYPE IS ASSOCIATED WITH INCREASED RISK FOR AKI AND 6-MONTH MORTALITY AFTER CORONARY BYPASS GRAFTING SURGERY IN PATIENTS WITH DIABETES

C. Feng1, S. Thammisetti1, D. Grovet1, Z. Zuo1, J. Raphael1
1Anesthesiology, University of Virginia, Charlottesville, Virginia; 2Anesthesiology, University of Virginia, Charlottesville, Virginia.

S-74 EFFECT OF HYPOXIA IN CONJUNCTION WITH ISOFLURANE IN THE EXPRESSION OF OXIDATIVE STRESS RESPONSE GENES IN THE HEART AND LUNGS OF MICE

K. C. Das, V. Kundumani-Sridharan, T. Walder, J. D. Wasnick
Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas.

S-75 IMPACT OF PREOPERATIVE TROPONIN ELEVATION ON 30-DAY MORTALITY

M. D. Maille, E. Jewell, M. Engoren
Anesthesiology, University of Michigan, Ann Arbor, Michigan.

S-232 CHALLENGING CASE REPORT - INAPPROPRIATE IMPLANTABLE CARDIOVER-DEFIBRILLATOR THERAPY DURING SURGERY: AN IMPORTANT AND PREVENTABLE COMPLICATION

P. M. Schulman1, E. Kahn1, M. A. Rozner1
1Department of Anesthesiology and Perioperative Medicine, Oregon Health & Science University, Portland, OR; 2Department of Anesthesiology and Perioperative Medicine, Oregon Health & Science University, Portland, OR.

S-233 IS AXILLARY VEIN SIZE SYMMETRIC AND HOW MUCH DOES PATIENT POSITION MATTER?

P. Orallo, E. A. Baker, N. Gravenstein
Anesthesiology, University of Florida, Gainesville, Florida.

S-234 OBJECTIVE POSTOPERATIVE VENTILATORY ASSESSMENT ALGORITHMS IN OBESE PATIENTS FOR PACU MONITORING

R. Schumann1, E. George1, A. Gupta1, D. Ladd1, I. Bonney1, S. Iancu1, E. G. Pivitali1
1Anesthesiology, Tufts Medical Center, Boston, MA; 2Anesthesiology, Massachusetts General Hospital, Boston, MA; 3R & D, West Virginia University, Morgantown, WV; 4Anesthesiology, University of Texas Medical School, Houston, Texas.

S-235 REMOTE VIDEO AUDITS OF OPERATING ROOM PRACTICES SUSTAINABLY IMPROVE PATIENT SAFETY PROCESSES AND OPERATING ROOM THROUGHPUT

F. Overdyk1, O. Douding1, J. E. Di Capua2, D. Armellino1, J. Iammatteo1, R. Mercieca1
1Anesthesiology, Hofstra North Shore-LIJ School of Medicine, New Hyde Park, New York; 2Anesthesiology, North American Partner in Anesthesia, Armonk, New York.

S-236 AGREEMENT BETWEEN PATIENT-REPORTED IN-HOSPITAL POSTOPERATIVE COMPLICATIONS AND COMPLICATIONS FOUND BY CHART REVIEW

B. A. Fritz, K. Escallier, J. Becker, J. D. Oberhaus, K. Gezzi, A. Ben Abdallah, M. S. Avidan
Anesthesiology, Washington University School of Medicine, Saint Louis, Missouri.

S-237 PREOPERATIVE FACTORS FOR PREDICTING POSTOPERATIVE HYPOTHERMIA AND TEMPERATURE CHANGE FOLLOWING ABDOMINAL SURGERIES

O. Visnjic1, R. Kozic1, P. Kim1, M. E. Hsia1, C. G. Samuelson2, J. Grande4, N. D. Nader2
1Anesthesiology and Pain Medicine, State University of New York: Buffalo, Buffalo, New York; 2Anesthesiology and Pain Medicine, LSU Health Shreveport, Shreveport, Louisiana.
PR02-36 – continued

**S-238 BARRIERS TO THE IMPLEMENTATION OF CHECKLISTS IN THE OFFICE-BASED SETTING**

R. D. Urman¹, R. Fernando¹, F. Shapiro¹
¹Anesthesiology, Brigham and Women’s Hospital, Boston, Massachusetts, ²Anesthesiology, Beth Israel Deaconess Medical Center, Boston, Massachusetts

**S-239 DEVELOPMENT OF A COLORECTAL SURGERY REPORTING TOOL: THE NO BUGS DASHBOARD**

J. M. Ehrenfeld¹, J. P. Wanderer², L. M. Sain², T. M. Geiger³, O. Guillamondegui¹, R. Dmochowski¹, M. D. McEvoy²
¹Anesthesiology, Surgery, and Biomedical Informatics, Vanderbilt University, Nashville, Tennessee, ²Anesthesiology, Vanderbilt University, Nashville, Tennessee, ³Surgery, Vanderbilt University, Nashville, Tennessee

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**Neuroscience in Anesthesiology and Perioperative Medicine 5**

Abstracts in Poster Discussion Round: S-161 – S-168

Presenters in Attendance: 3:00 pm – 4:30 pm

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**PR02-37**

**Poster Moderator:** J. Pasternak, MD, Mayo Clinic, Rochester, Minnesota

**S-161 THE EFFECT OF SEVOFLURANE ANESTHESIA ON INDIVIDUAL INTRAOPERATIVE CEREBRAL BLOOD FLOW AUTOREGULATION**

N. Goettel¹, M. Czosnyka², S. P. Strebel¹, L. A. Steiner¹
¹Department of Anesthesiology, University Hospital of Basel, Basel, Switzerland, ²Department of Clinical Neurosciences, Neurosurgery Unit, University of Cambridge, Cambridge, United Kingdom

**S-162 PROPOFOL AFFECTS DIFFERENT HUMAN BRAIN REGIONS DEPENDING ON DEPTH OF SEDATION**

X. Quan, J. Yi, T. H. Ye, S. F. Lin, L. Zou, S. Y. Tian, Y. G. Huang
Anesthesiology, Peking Union Medical College Hospital, Beijing, China

**S-163 EFFECT OF ANESTHESIA AND SURGERY ON TAU PATHOLOGY AND COGNITION IN A MOUSE MODEL OF ALZHEIMER’S DISEASE**

G. Truchetti, E. Planel
Neurosciences, Université Laval, Québec, QC, Canada

**S-164 POST-SEDATIVE TREATMENT WITH THE MGLUR5 ANTAGONIST MTEP BLOCKS KETAMINE-INDUCED NEURONAL APOPTOSIS IN POSTNATAL 7-DAY RATS**

J. Marchand, R. Schumann, Z. Almeer
Anesthesiology, Tufts Medical Center, Boston, Massachusetts

**S-165 CRITICAL ROLE OF GLUTAMATE TRANSPORTER TYPE 3 IN DETERMINING ISOFLURANE EFFECTS ON HIPPOCAMPAL GLUR1 TRAFFICKING AND CONTEXT-RELATED LEARNING AND MEMORY IN MICE**

C. Jiangbei
Anesthesiology and Operation Center, Anesthesiology and Operation Center, the PLA Gener, Beijing, China

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**S-166 BAX IS REQUIRED FOR ANESTHESIA INDUCED NEURONAL APOPTOSIS IN NEONATAL MICE**

D. Jardine
Anesthesiology and Pediatrics, University of Washington, Seattle, Washington

**S-167 HYPOTHERMIA PROVIDES MODEST PROTECTION AGAINST ANESTHESIA INDUCED NEURONAL APOPTOSIS IN NEONATAL MICE**

D. Jardine
Anesthesiology and Pediatrics, University of Washington, Seattle, Washington

**S-168 PRESYNAPTIC ROLE OF α2 ADRENERGIC RECEPTORS IN RAT HIPPOCAMPAL NEURONS**

M. Hara¹, J. P. Baumgar¹, Z. Zhou¹, H. C. Hemmings¹
¹Anesthesiology, Weill Cornell Medical College, New York, New York, ²Anesthesiology, Pharmacology, Weill Cornell Medical College, New York, New York

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**PR02-38**

**Poster Moderator:** M. Hollmann, MD, MA, DEAA, Academic Medical Center Amsterdam, Amsterdam, Netherlands

**S-195 THE THERAPEUTIC EFFECTS OF GABAPENTIN ON THE NEUROPATHIC PAIN AND ITS POSSIBLE MECHANISMS IN BILATERAL CCI RATS**

S. Chen, L. Shen, Y. Huang
Anesthesiology, Peking Union Medical College Hospital, Beijing, China

**S-196 NEUROANATOMICAL EVIDENCE FOR A ROLE OF CENTRAL MELANOCORTIN-4 RECEPTOR AND µ-OPIOID RECEPTOR IN THE PERIAQUEDUCTAL GREY IN TRANSGENIC MOUSE MODEL**

X. Tian, Tliu, H. Xiang
Anesthesiology, Tongji Hospital, Wuhan, China

**S-197 LOW-DOSE KETAMINE INFUSION REDUCES POSTOPERATIVE HYDROMORPHONE REQUIREMENTS AND PAIN SCORES IN OPIOID-TOLERANT PATIENTS AFTER SPINAL FUSION**

K. Boenigk¹, G. Cuff², R. P. Kline¹, J. McKeever¹, E. Siu¹, A. Arbabahian¹, A. D. Rosenberg³
¹Anesthesiology, New York University-HJD, New York, New York, ²Anesthesiology, New York University Langone Medical Center, New York, New York, ³New York University School of Medicine, New York, New York

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**Pain Mechanisms 1**

Abstracts in Poster Discussion Round: S-195 – S-202

Presenters in Attendance: 3:00 pm – 4:30 pm

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**S-198 THE THERAPEUTIC EFFECTS OF GABAPENTIN ON THE NEUROPATHIC PAIN AND ITS POSSIBLE MECHANISMS IN BILATERAL CCI RATS**

S. Chen, L. Shen, Y. Huang
Anesthesiology, Peking Union Medical College Hospital, Beijing, China

**S-199 NEUROANATOMICAL EVIDENCE FOR A ROLE OF CENTRAL MELANOCORTIN-4 RECEPTOR AND µ-OPIOID RECEPTOR IN THE PERIAQUEDUCTAL GREY IN TRANSGENIC MOUSE MODEL**

X. Tian, Tliu, H. Xiang
Anesthesiology, Tongji Hospital, Wuhan, China

**S-200 LOW-DOSE KETAMINE INFUSION REDUCES POSTOPERATIVE HYDROMORPHONE REQUIREMENTS AND PAIN SCORES IN OPIOID-TOLERANT PATIENTS AFTER SPINAL FUSION**

K. Boenigk¹, G. Cuff², R. P. Kline¹, J. McKeever¹, E. Siu¹, A. Arbabahian¹, A. D. Rosenberg³
¹Anesthesiology, New York University-HJD, New York, New York, ²Anesthesiology, New York University Langone Medical Center, New York, New York, ³New York University School of Medicine, New York, New York
Moderated Poster Discussion Rounds • Sunday, May 18

S-198 THE DYNAMIC PROGRESSION OF DIABETIC NEUROPATHY IN THE PERIPHERAL SENSORY LEVEL IN THE TYPE 1 DIABETIC MOUSE MODEL
K. Candioti1, Y. Zhang2, K. Gomez1, J. Yang3, Y. E. Rodriguez-Blanco4
1Department of Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida, 2Anesthesiology, Perioperative Medicine, University of Miami, school of medicine, Miami, Florida, 3Department of Anesthesiology, Tumor Hospital Xiangya School of Medicine of Central South University, Hunan, China, 4Anesthesiology, Perioperative Medicine, University of Miami Miller School of Medicine, Miami, Florida

S-199 COMPUTATIONAL ANALYSIS OF THE PF2-LIKE DOMAIN OF WNK4
T. Austin, E. Delpire
Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-200 LONG-LASTING SCIATIC NERVE BLOCK REDUCES ACUTE HYPERALGESIA, NEURONAL HYPEREXCITABILITY AND OPPOSES PAIN VULNERABILITY DEVELOPMENT AFTER SURGERY IN RATS
J. Kim1, C. Rivat2, S. Lim3, C. Ortner4, L. Bollag4, J. Estebe5, P. G. Richebe6
1Department of Anesthesiology and Pain Medicine, Kangnam Severance Hospital, SEOUL, Korea Republic of, 2Institut des Neurosciences de Montpellier INM, Hospital Saint Eloi, Universite de Montpellier 2, Montpellier, France, 3Department of Anesthesiology, Inje University, Busan, Korea, Republic of, 4Anesthesiology and Pain Medicine, University of Washington Medical Center, Seattle, WA, 5Anesthesiology and Pain Medicine, Centre Hospitalier et Universitaire de Rennes, Rennes, France, 6Anesthesiology and Pain Medicine, Hopital Maisonneuve Rosemont, University of Montreal, Montreal, QC, Canada

S-201 OPIOID SIGNALING IN MOUSE GLIAL CELLS: IMPLICATIONS FOR OPIOID ANALGESIA AND TOLERANCE
V. L. Tawfik, G. Scherrer
Anesthesiology, Perioperative and Pain Medicine, Stanford University, Stanford, California

S-202 THE POSTERIOR INSULA REVEALS PAIN VS REST FUNCTIONAL CONNECTIVITY DIFFERENCES NOT PRESENT WITH THE ANTERIOR INSULA
K. M. Vogt1, J. W. Ibinson2
1Department of Anesthesiology, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, 2Pittsburgh Center for Pain Research, University of Pittsburgh, Pittsburgh, Pennsylvania

S-280 IMPACT OF REGIONAL ANESTHESIA ON CIRCULATING TUMOR CELLS, CELL-MEDIATED IMMUNITY AND INFLAMMATORY RESPONSE IN PATIENTS WITH NONMETASTATIC BREAST CANCER
L. Bleckner1, S. Ponniah2, R. Howard3, P. Bedocs4, Y. Zhou1, C. Buckenmaier6
1Anesthesia, Defense and Veterans Center for Integrative Pain Management; Walter Reed National Military Medical Center, Rockville, Maryland, 2Surgery, Uniformed Services University of the Health Sciences, Bethesda, Maryland, 3Department of Research Programs, Walter Reed National Military Medical Center, Bethesda, Maryland, 4Acute Pain Management, Defense and Veterans Center for Integrative Pain Management, Rockville, Maryland, 5Research, Walter Reed National Military Medical Center, Bethesda, Maryland, 6Acute Pain Management, Defense and Veterans Center for Integrative Pain Management; Walter Reed National Military Medical Center, Rockville, Maryland

S-281 MOTOR SPARING KNEE BLOCK FOR ANALGESIA FOLLOWING KNEE ARTHROPLASTY: DESCRIPTION OF A NEW APPROACH
R. Sondekkopam Vijayashankar, V. Uppal, S. Ganapathy
Department of Anesthesia and Perioperative Medicine, Western University, London, Ontario, Canada

S-282 DOCUMENTATION OF RISK DISCLOSURE IN UPPER LIMB BLOCKS
H. Schmbi, U. J. Shah, D. Jadhav
Anaesthesia, Frimley Park Hospital, Frimley, United Kingdom

S-283 MANAGEMENT OF EPIDURAL BLOOD PATCHING IN PATIENTS WITH LEUKEMIA
K. A. Sedeek1, J. Narow1, M. Farrag2, O. Aboushanab3, S. Mahmoud4
1Anesthesiology, Hershey Medical Center, Hershey, Pennsylvania, 2Anesthesiology, University of Cairo, Cairo, Egypt

S-284 OPIOID CONSUMPTION IN TOTAL KNEE ARTHROPLASTY PATIENTS: A RETROSPECTIVE COMPARISON OF ADDUCTOR CANAL AND FEMORAL NERVE CONTINUOUS INFUSIONS
A. E. Ardon, R. A. Greengrass
Anesthesiology, Mayo Clinic, Jacksonville, Florida

S-285 POST-OPERATIVE PAIN CONTROL WITH TRANSVERSUS ABDOMINIS PLANE BLOCKS WITH LIPOSOMAL BUPIVACAINE VERSUS IV OPIOIDS IN LAPAROSCOPIC COLORECTAL PATIENTS: A RETROSPECTIVE COHORT STUDY
J. Hutchins1, R. Madoff2, G. Metlon2, M. Kwaar2, J. Ogilvie1
1Anesthesia, University of Minnesota, Minneapolis, MN, 2Colorectal Surgery, University of Minnesota, Minneapolis, Minnesota, 3Colon and Rectal Surgery, Spectrum Health Medical Group, Grand Rapids, Michigan
PR02-40

Poster Moderator: J. Mitchell, MD, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-308 NONINVASIVE ESTIMATION OF LEFT VENTRICULAR AORTIC COUPLING IN HUMANS

Y. Obata¹, T. Shishido², A. Takaku¹, S. Fujioke¹, Y. Honjo¹, K. Takakura¹, K. Shigemi¹
¹Anesthesiology & Reanimatology, University of Fukui Hospital, Fukui, Japan, ²Cardiovascular Dynamics, National Cerebral and Cardiovascular Center, Suita, Japan, ³Faculty of Medical Sciences, University of Fukui, Fukui, Japan

S-309 EMPOWERING PATIENTS TO REDUCE IV INFUSION PUMP ALARM INCIDENCE

A. Fiastro, G. Goldenhersh, D. Lizdas, N. Gravenstein, S. Lampotang
Anesthesiology, University of Florida, Gainesville, Florida

S-310 INHALATIONAL INDUCTION FOR DIFFICULT AIRWAY, FACTORS AFFECTING SPONTANEOUS AIRWAY RECOVERY AFTER OBSTRUCTION: A COMPUTATIONAL SIMULATION

M. Vijjeswarapu¹, A. S. Kuo¹, J. H. Philip¹
¹Department of Anesthesiology, Perioperative, and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts, ²Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-311 R ALGORITHM FOR BAYESIAN POWER MODEL OF CONTINUAL REASSESSMENT METHOD TO DETERMINE ED95

S. Mantha
Anesthesiology and Intensive Care, Nizam's Institute of Medical Sciences, Hyderabad, India

S-312 COMPARISON OF TOF-COUNT: TOF WATCH MONITOR VERSUS SUBJECTIVE ASSESSMENT BY ANESTHESIA PROVIDERS

Anesthesiology & Pain Medicine, University of Washington, Seattle, Washington

S-313 RADIOFREQUENCY BIPOLAR HEMOSTATIC SEALER REDUCES BLOOD LOSS, TRANSFUSION REQUIREMENTS, AND COST FOR PATIENTS UNDERGOING MULTILEVEL SPINAL FUSION SURGERY

S. M. Frank¹, J. O. Wasey¹, E. A. Daskiw¹, P. M. Nes², Z. L. Gokaslan³, K. M. Kebaish⁴
¹Anesthesiology/Critical Care Medicine, Johns Hopkins Medical Institutions, Baltimore, Maryland, ²Pathology (Transfusion Medicine), Johns Hopkins Medical Institutions, Baltimore, Maryland, ³Departments of Neurosurgery, Oncology, and Orthopaedic Surgery, Johns Hopkins Medical Institutions, Baltimore, Maryland, ⁴Orthopaedic Surgery, Johns Hopkins Medical Institutions, Baltimore, Maryland
Moderated Poster Discussion Rounds • Monday, May 19

**Discussion Times: 7:00 am – 8:30 am**

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**Note:** Morning session posters must be taken down at 12:00 pm – 12:30 pm to make room for the afternoon sessions.

**LEARNER OBJECTIVES:**

As a result of participating in this educational activity, learners will be able to describe recent advances in anesthesiology practice and patient care from the topic area and incorporate this new knowledge into their professional practice.
Moderated Poster Discussion Rounds • Monday, May 19

**Challenging Case Reports 8**
Abstracts in Poster Discussion Round: CC-58 – CC-63
Presenters in Attendance: 7:00 am – 8:30 am

**PR03-41**

**Poster Moderator:** E. B. Rosero, MD, *Anesthesiology and Pain Management*, University of Texas Southwestern Medical Center, Dallas, Texas

**CC-58 CEREBRAL VENOUS THROMBOSIS AND INTRACRANIAL HEMORRHAGE FOLLOWING A WET TAP: A CHALLENGING CASE REPORT**

N. Nwazota¹, C. Pettigrew²
¹Anesthesiology, Baylor College of Medicine, Houston, Texas, ²Emergency Medicine, Baylor College of Medicine, Houston, Texas

**CC-59 UTILITY OF BRAIN OXIMETRY FOR FACILITATING AGGRESSIVE HYPOPOTENSIVE TECHNIQUE IN A JEHOVAH'S WITNESS PATIENT WITH RETROPERITONEAL CANCER**

R. H. Modi, C. Garcia, P. Roffey, D. Thangathurai
Anesthesiology, LAC-USC Medical Center, Los Angeles, California

**CC-60 PERI-OPERATIVE MANAGEMENT OF A PATIENT PRESENTING WITH STAUFFER’S SYNDROME SECONDARY TO RENAL CELL CANCER**

R. H. Modi, T. O'barr, G. Zhu, M. Mogos, P. Roffey, D. Thangathurai
Anesthesiology, LAC-USC Medical Center, Los Angeles, California

**CC-61 INOTROPES AND TEE FACILITATE LAPAROSCOPIC HEMICOLECTOMY IN A PATIENT WITH SEVERE LEFT VENTRICULAR DYSFUNCTION**

R. Rahman¹, S. Goldstein¹, A. W. Berlin²
¹Anesthesiology, Montefiore Medical Center, Bronx, New York, ²Surgery, Montefiore Medical Center, Bronx, New York

**CC-62 RECURRENT PANCREATITIS TREATED WITH CONTINUOUS TRANSVERSUS ABDOMINIS PLANE BLOCK FOLLOWED BY UNEXPLAINED CENTRAL NEUROTOXICITY: A MEDICALLY CHALLENGING CASE**

R. M. Dionisio, D. I. Smith
Anesthesiology, University of Rochester School of Medicine, Rochester, New York

**CC-63 POST INDUCTION ST ELEVATION**

S. K. Ombba, C. Patiansathan
Anesthesiology, University of Illinois College of Medicine at Chicago, Chicago, Illinois

**Critical Care, Trauma and Resuscitation 3**
Abstracts in Poster Discussion Round: S-94 – S-100
Presenters in Attendance: 7:00 am – 8:30 am

**PR03-42**

**Poster Moderator:** H. Morimatsu, MD, Okayama University Hospital, Okayama, Japan

**S-94 ESTIMATED GFR AND AKI OUTCOME PREDICTION MODEL FOR POST CARDIAC SURGERY PATIENTS**

T. G. Seelhammer¹, M. Engoren¹, M. Maile¹, E. Jewell¹, M. Heung², J. Haft³
¹Anesthesiology, University of Michigan, Ann Arbor, MI, ²Nephrology, University of Michigan, Ann Arbor, MI, ³Cardiac Surgery, University of Michigan, Ann Arbor, Michigan

**S-95 COMPLEMENT FACTOR B ACTS DOWNSTREAM OF TLR3 SIGNALING IN THE HEART IN A MOUSE MODEL OF POLYMICROBIAL SEPSIS**

L. Zou, Y. Feng, D. Li, J. Cai, W. Chao
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

**S-96 ANESTHESIOLOGISTS’ PRACTICES IN CARING FOR PATIENTS WITH TRAUMATIC BRAIN INJURY DIFFERS FROM PUBLISHED GUIDELINES**

M. McCunn¹, M. Vavilala², R. Speck³, J. Pascual⁴, R. Dutton¹
¹Anesthesiology and Critical Care, University of Maryland Shock Trauma Center, Baltimore, MD, ²Anesthesiology and Pain Medicine, University of Washington, Seattle, WA, ³Anesthesiology and Critical Care, University of Pennsylvania, Philadelphia, PA, ⁴Trauma Surgery and Critical Care, University of Pennsylvania, Philadelphia, PA, ⁵Anesthesiology, Anesthesia Quality Institute, Chicago, Illinois

**S-97 PULMONARY AND CENTRAL VENOUS PRESSURES AS PROGNOSTIC INDICATORS OF POST LUNG TRANSPLANT OUTCOME**

K. Togashi
Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington

**S-98 ACUTE INCREASE IN HYDROSTATIC PRESSURE STIMULATES THE ENDOCYTOSIS OF ALBUMIN AND PHOSPHORYLATION OF CAV-1 IN LUNG MICROVASCULAR ENDOTHELIAL CELLS AND CHRONIC HEART FAILURE MICE: IMPLICATIONS FOR PRESSURE-INDUCED PULMONARY EDEMA**

R. O. Dull, A. Ishatan¹, R. Minshall²
¹Anesthesiology, University of Illinois at Chicago, Chicago, IL, ²Pharmacology, University of Illinois at Chicago, Chicago, Illinois

**S-99 MINOCYCLINE FAILS TO IMPROVE NEUROLOGIC AND HISTOLOGIC OUTCOME AFTER VENTRICULAR FIBRILLATION CARDIAC ARREST IN RATS**

T. Drabek¹, I. A. Magner¹, K. L. Schreiber¹, C. D. Wilson¹, J. P. Stezaski¹, P. Kochanek¹, A. Janata¹
¹Anesthesiology, University of Pittsburgh, Pittsburgh, PA, ²Emergency Medicine, Medical University of Vienna, Vienna, Austria, ³CCM, University of Pittsburgh, Pittsburgh, PA, ⁴Critical Care Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania
PR03-42 – continued

S-100 LIBERAL INTRAOPERATIVE FLUID RESUSCITATION IS ASSOCIATED WITH REINTUBATION AND UNPLANNED MECHANICAL VENTILATION ON THE INTENSIVE CARE UNIT

D. J. McLean1, A. I. Igumenich2, T. Nimeh1, K. S. Ladh1, J. P. Wanderer1, T. Kurth1, M. Eikermann1
1Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, 2Anesthesia, Vanderbilt University, Nashville, TN

S-193 ARTIFICIAL NEURAL NETWORKS IN PREDICTION OF DELIVERY OUTCOME AND NEED FOR EPIDURAL ANALGESIA IN OBSTETRIC ANESTHESIA

M. A. Inchiosa1, A. Shilkret2, M. Girshin3
1Pharmacology/Anesthesiology, New York Medical College, Valhalla, New York, 2Obstetrics and Gynecology, New York Medical College (Metropolitan Hospital), New York, NY, 3Anesthesiology, New York Medical College (Metropolitan Hospital), New York, New York

S-194 ONDANSETRON DOSE NOT ATTENUATES HYPOTENSION IN PATIENTS UNDERGOING ELECTIVE CESAREAN DELIVERY UNDER SPINAL ANESTHESIA: A DOUBLE-BLindered, PLACEBO-CONTROLLED RANDOMIZED TRIAL

Anesthesiology, University of Virginia, Charlottesville, Virginia

Airway Management 3
Abstracts in Poster Discussion Round: S-14 – S-21
Presenters in Attendance: 7:00 am – 8:30 am

PR03-44

S-14 COMPARISON OF INTUBATING LARYNGEAL MASK AIRWAY AND I-GEL AIRWAY AS A CONDUIT FOR BLIND ENDOTRACHEAL INTUBATION

L. Yadolahalli Shankar Naik
Anaesthesia, PGIMER, Chandigarh, India

S-15 THE INTRA-CUFF PRESSURE DOES NOT REFLECT THE PRESSURE EXERTED ON THE TRACHEAL WALL: AN IN VITRO STUDY USING ORIGINAL TRACHEAL MODEL

M. Nagai1, N. Morioka1, H. Ishi2, Y. Kasuya1, M. Kinoshita2, R. Kanamori3, M. Ozaki4
1Anesthesiology, Tokyo Women’s Medical University, Tokyo, Japan, 2Research Institute of Engineering and Science, Waseda University, Tokyo, Japan

S-16 INCIDENCE AND MORTALITY OF ANESTHESIA-RELATED PULMONARY ASPIRATION: A SINGLE CENTRE EXPERIENCE

J. Renner, O. Broch, H. Francksen, A. Carstens
Anaesthesiology and Intensive Care Medicine, University Hospital Schleswig-Holstein, Campus Kiel, Kiel, Germany

S-17 INFLUENCE OF GLIDESCOPE ASSISTED ENDOTRACHEAL INTUBATION ON INTRAOCULAR PRESSURE

N. Ahmed1, A. Zahoort2, S. Motowa3, W. Riad2
1Anesthesia, King Khaled Eye Specialist Hospital, Riyadh, Saudi Arabia, 2Anesthesia, Toronto Western Hospital, Toronto, Ontario, Canada

S-18 10-YEAR EXPERIENCES IN AIRWAY MANAGEMENT FOR PATIENTS WITH ORAL CAVITY OR OROPHARYNGEAL CANCER WITH AND WITHOUT HEAD AND NECK RADIATION THERAPY

G. Zheng1, C. X. Chen2, N. Huang3, L. Feng4, C. M. Lewis5
1Anesthesiology and Perioperative Medicine, UT MD Anderson Cancer Center, Houston, Texas, 2University of Texas Medical School at Houston, Houston, Texas, 3Biological and Allied Health Sciences, Ohio Northern University, Ohio, OH, 4UT MD Anderson Cancer Center, Houston, Texas, 5Head and Neck Surgery, UT MD Anderson Cancer Center, Houston, Texas
S-19 INCIDENCE OF DIFFICULT INTUBATION AND ASSOCIATED RISK FACTORS IN A PRIVATE HOSPITAL IN SÃO LUIS
C. M. Oliveira¹, E. R. Muniz¹, J. E. Mora², L. G. Baiklinski²
¹Anesthesia, Hospital São Domingos, São Luis, Brazil, ²Anesthesia, Hospital São Domingos, Marília, Brazil

S-20 ANESTHESIA AND INCREASED HYPERCARBIC DRIVE IMPAIR THE COORDINATION BETWEEN BREATHING AND SWALLOWING
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-21 CAN ULTRASOUND SCAN OF THE AIRWAY BE USED TO PREDICT DIFFICULTY OF AIRWAY MANAGEMENT? A COMPUTERIZED TOMOGRAPHY VALIDATION STUDY
F. W. Abdallah¹, S. Abbas¹, V. Chan¹, E. Yu¹
¹Anesthesia, University of Toronto, Toronto, ON, Canada, ²Anesthesia, Toronto Western Hospital, Toronto, Ontario, Canada

S-262 MULTIVARIATE PREDICTORS OF CARDIO-RESPIRATORY AND HEMATOLOGICAL EVENTS FOLLOWING OPEN CRANIOSYNOSTOSIS SURGERY
S. M. Goobie¹, D. Zarakowski¹, M. R. Proctor¹, V. Young¹, J. Meana¹, G. Rogers¹
¹Anesthesia, Perioperative and Pain Medicine, Boston Children’s Hospital, Boston, Massachusetts, ²Department of Neurosurgery, Boston Children’s Hospital, Boston, Massachusetts, ³Department of Plastic Surgery, Boston Children’s Hospital, Boston, Massachusetts, ⁴Department of Plastic Surgery, Children’s National Medical Center, Washington, DC

S-263 TRANSESOPHAGEAL ECHOCARDIOGRAPHY (TEE) AS A MONITOR OF INTRAOPERATIVE VENTRICULAR VOLUME, FUNCTION AND IV FLUID MANAGEMENT: IMPACT ON INTRA AND POSTOPERATIVE FLUID MANAGEMENT IN THE PARTIAL SEPARATION OF CONJOINED TWINS
I. Russo-Menna¹, C. Rezba²
¹Anesthesiology, Division of Pediatric, Virginia Commonwealth University Health System, Richmond, Virginia, ²Anesthesiology, Hunter-Holmes McGuire Veterans Hospital, Richmond, Virginia

S-264 NEONATAL MICE RECEIVING SEVOFLURANE DO NOT SHOW AUTISTIC BEHAVIOR
W. Chung¹, S. Park¹, Y. Ko¹
¹Anesthesia and Pain Medicine, Chungnam Nat. University Hospital, Daejeon, Republic of Korea, ²Department of Biological Science, KAIST, Daejeon, Republic of Korea

S-265 FACTORS INFLUENCING POSTOPERATIVE PAIN EXPERIENCES FOLLOWING DISCHARGE IN PEDIATRIC AMBULATORY SURGERY PATIENTS
Y. Cai¹, L. Lopata¹, J. A. Busse¹, M. Monteleone¹, M. Huang¹, S. Wang¹, L. Sun¹
¹Department of Anesthesiology, Columbia University, New York, New York, ²Department of Biostatistics, Columbia University, New York, New York, ³Department of Anesthesiology and Pediatrics, Columbia University, New York, New York

S-266 THE INFLUENCE OF INTRAOPERATIVE HYPOTHERMIA ON ADVERSE SURGICAL OUTCOMES IN CHILDREN UNDERGOING SPINE SURGERY
M. Görges¹, W. Cheung², N. West³, S. Aulakh³, F. Miyani⁴, S. D. Whyte⁵
¹Electrical and Computer Engineering, University of British Columbia, Vancouver, British Columbia, Canada, ²Anesthesiology, Pharmacology, & Therapeutics, University of British Columbia, Vancouver, British Columbia, Canada, ³Orthopedics, University of British Columbia, Vancouver, British Columbia, Canada

S-267 ADAPTATION OF THE SOCIETY OF PEDIATRIC ANESTHESIA CRITICAL EVENT CHECKLISTS FOR USE AT A CHILDREN’S HOSPITAL IN A DEVELOPING COUNTRY
T. E. Cox
Anesthesiology, Washington University School of Medicine, St. Louis, Missouri

S-268 TRANSFUSION ALGORITHMS DECREASE BLOOD TRANSFUSION IN CHILDREN UNDERGOING CRANIOFACIAL RECONSTRUCTION
T. Nguyen¹, H. Lam², T. Austin³
¹Anesthesiology, Monroe Carell Children’s Hospital, Nashville, Tennessee, ²Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, ³Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-115 EXAMINING THE POTENTIAL BENEFITS OF PERIPHERAL NERVE BLOCKADE IN A RESOURCE-LIMITED INTERNATIONAL SETTING: THE EXAMPLE OF RWANDA
A. E. Ardon
Anesthesiology, Mayo Clinic, Jacksonville, Florida
S-117 PERIOPERATIVE SURGICAL HOME FOR THE SAME DAY ADMISSION CARDIAC SURGICAL PATIENT: IMPROVING CARE, SATISFACTION, AND ENROLLMENT IN RESEARCH
N. A. Gandhi, A. Goldberg, Z. Zafirova, G. Silvay
Anesthesiology, Mount Sinai School of Medicine, New York, New York

S-118 ANESTHESIOLOGIST STAFFING CONSIDERATIONS CONSEQUENT TO THE TEMPORAL DISTRIBUTION OF HYPOXEMIC EPISODES IN THE POST ANESTHESIA CARE UNIT
M. G. Lopez\textsuperscript{1}, R. H. Epstein\textsuperscript{1}, J. M. Ehrenfeld\textsuperscript{1}, F. Dexter\textsuperscript{4}
\textsuperscript{1}Anesthesiology, Vanderbilt University, Nashville, Tennessee, \textsuperscript{2}Anesthesiology, Jefferson Medical College, Philadelphia, PA, \textsuperscript{3}Anesthesiology, Biomedical Informatics, and Surgery, Vanderbilt University, Nashville, Tennessee, \textsuperscript{4}Anesthesia, University of Iowa, Iowa City, Iowa

S-119 THE EFFECT OF PRE-DRAWN SYRINGES ON INTRAOPERATIVE MEDICATION USAGE
K. S. Ladha\textsuperscript{1}, K. Nantji\textsuperscript{1}, E. Pierce\textsuperscript{1}, J. A. Hyder\textsuperscript{2}
\textsuperscript{1}Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, \textsuperscript{2}Department of Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-120 COMPARISON OF ANESTHESIA TRAINING EXPERIENCE AT A RURAL REFERRAL HOSPITAL IN WESTERN KENYA TO AN ACGME-APPROVED PROGRAM IN THE UNITED STATES
M. D. McEvoy\textsuperscript{1}, M. W. Newton\textsuperscript{1}, J. Ehrenfeld\textsuperscript{1}, J. B. Wanderer\textsuperscript{1}, M. Higgins\textsuperscript{1}, K. A. McQueen\textsuperscript{1}, W. S. Sandberg\textsuperscript{1}
\textsuperscript{1}Anesthesiology, Vanderbilt University, Nashville, Tennessee, \textsuperscript{2}Anesthesia, VUMC, Nashville, Tennessee

S-121 EVALUATION OF A PATHOLOGY SPECIFIC APPROACH TO DATABASE TEE TRAINING FOR ANESTHESIOLOGY RESIDENTS
C. D. Key\textsuperscript{1}, O. Klimkina\textsuperscript{2}, A. DiLorenzo\textsuperscript{3}, P. Zephyr\textsuperscript{3}
\textsuperscript{1}Anesthesiology, University of Alabama Birmingham, Birmingham, Alabama, \textsuperscript{2}Anesthesiology, University of Kentucky, Lexington, Kentucky, \textsuperscript{3}Anesthesiology, University of California Irvine, Orange, California

S-122 IMPLEMENTATION OF A JOINT SURGICAL HOME MODEL: A CASE STUDY AT THE UNIVERSITY OF CALIFORNIA IRVINE
L. Garson\textsuperscript{1}, S. Vakharia\textsuperscript{1}, R. Schwarzkopf\textsuperscript{2}, M. Cannesson\textsuperscript{1}, Z. Kain\textsuperscript{1}
\textsuperscript{1}Anesthesiology & Perioperative Care, University of California Irvine, Orange, California, \textsuperscript{2}Orthopedic Surgery, University of California Irvine, Orange, California

S-169 THE BENZODIAZEPINE ANTAGONIST, FLUMAZENIL, MITIGATES POST-ANESTHESIA EFFECTS OF ISOFLURANE BY IMPROVING VIGILANCE IN A RAT MODEL
P. S. Garcia\textsuperscript{1}, S. C. Burke\textsuperscript{2}, B. L. Raymond\textsuperscript{3}, G. L. Keating\textsuperscript{3}, S. R. Baber\textsuperscript{3}, C. Karlapalem\textsuperscript{3}, J. A. Fidler\textsuperscript{3}
\textsuperscript{1}Anesthesiology, Emory University / Atlanta VA Medical Center, Atlanta, Georgia, \textsuperscript{2}Neurology, Emory University, Atlanta, Georgia, \textsuperscript{3}Department of Anesthesiology, Uniformed Services University of the Health Sciences, Rockville, Maryland

S-170 PATHOPHYSIOLOGIC DEFICITS IN THE HIPPOCAMPUS OF THE SPRAGUE DAWLEY RAT AFTER REPEATED ISOFLURANE EXPOSURE
R. Long\textsuperscript{1}, E. Prager\textsuperscript{2}, J. Capacchione\textsuperscript{2}, M. Braga\textsuperscript{2}
\textsuperscript{1}Anatomy, Physiology and Genetics; Program in Neuroscience, Uniformed Services University of the Health Sciences, Rockville, Maryland, \textsuperscript{2}Department of Anesthesiology, Uniformed Services University of the Health Sciences, Rockville, Maryland

S-171 ASSOCIATION BETWEEN PRE-HOSPITAL VITAMIN D STATUS AND HOSPITAL-ACQUIRED NEW ONSET DELIRIUM
S. A. Quraishi\textsuperscript{1}, C. A. Camargo\textsuperscript{2}, K. B. Christopher\textsuperscript{3}
\textsuperscript{1}Department of Anesthesia, Critical and Pain Management, Massachusetts General Hospital, Boston, Massachusetts, \textsuperscript{2}Department of Emergency Medicine, Massachusetts General Hospital, Boston, Massachusetts, \textsuperscript{3}Department of Medicine (Renal Division), Brigham and Women's Hospital, Boston, Massachusetts

S-172 MOPPS: MEMORIES OF THE PERIOPERATIVE PERIOD STUDY
Y. Chen\textsuperscript{1}, A. Cai\textsuperscript{1}, B. A. Fritz\textsuperscript{2}, F. Dexter\textsuperscript{2}, K. Pryor\textsuperscript{1}, M. S. Avidan\textsuperscript{1}, A. Winter\textsuperscript{1}
\textsuperscript{1}Anesthesiology, Washington University School of Medicine, Saint Louis, Missouri, \textsuperscript{2}Anesthesia, University of Iowa, Iowa City, IA, \textsuperscript{3}Anesthesiology, Weill Cornell Medical College, New York, New York

S-173 POSTANESTHETIC MEMORY DEFICITS IN MICE ARE CAUSED BY INCREASED ACTIVITY OF EXTRASYNAPTIC GABA(A) RECEPTORS
A. A. Zurek\textsuperscript{1}, Y. Jieying\textsuperscript{1}, B. A. Orser\textsuperscript{2}
\textsuperscript{1}Physiology, University of Toronto, Toronto, ON, Canada, \textsuperscript{2}Anesthesiology, Physiology, University of Toronto, Ontario, Ontario, Canada

S-174 NEONATAL EXPOSURE TO NITROUS OXIDE DISTURBS GRANULE CELL MIGRATION IN THE RAT DENTATE GYRUS
H. Saito, R. Kato, T. Hashimoto, Y. Uchida, T. Hase, K. Takita, Y. Morimoto
Department of Anesthesiology and Critical Care Medicine, Hokkaido University Graduate School of Medicine, Sapporo, Japan
PR03-47 – continued

S-175 GESTATIONAL PROPOFOL EXPOSURE INDUCES NEUROAPOPTOSIS AND LONG-TERM BEHAVIORAL DEFICITS IN OFFSPRING RATS

J. Reyes, S. K. Puri, J. Li, M. Xiong, J. D. Eloy, J. H. Ye, A. Bekker
Anesthesiology, Rutgers - New Jersey Medical School, Newark, New Jersey

Pediatric Anesthesia 3
Abstracts in Poster Discussion Round: S-269 – S-273
Presenters in Attendance: 8:30 am - 10:00 am

PR03-48

Poster Moderator: L. Sun, MD, Columbia University, New York, New York

S-269 INCIDENCE AND DURATION OF INTRAOPERATIVE HYPOTENSION IN NEONATES AND INFANTS

R. S. Park1, M. MacLean2
1Anesthesiology, Perioperative and Pain Medicine, Boston Children's Hospital, Boston, Massachusetts, 2Anesthesiology, Perioperative and Pain Medicine, Children's Hospital Anesthesia Foundation, Boston, Massachusetts

S-270 ANESTHESIA-INDUCED NEUROTOXICITY IN THE DEVELOPING MURINE RETINA

Y. Cheng, L. He, R. J. Levy
Anesthesiology, Children's National Medical Center, Washington, DC

S-271 GENETIC VARIANTS OF BLOOD BRAIN TRANSPORTER, ABCB1 ARE ASSOCIATED WITH OPIOID RELATED RESPIRATORY DEPRESSION IN CHILDREN

S. Sadhasivam, V. Chidambaram, H. Eslinger, X. Zhang
Anesthesia, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

S-272 WHAT DO CHILDREN REMEMBER ABOUT THE DAY OF SURGERY AND HOW ACCURATE ARE THESE MEMORIES

T. Hackmann1, R. Haworth2, J. Chorney3
1Paediatric Anaesthesia, IWK Health Centre, Halifax, Nova Scotia, Canada, 2Psychology, Dalhousie University, Halifax, Nova Scotia, Canada, 3Pediatric Anesthesia, IWK Health Centre, Halifax, Nova Scotia, Canada

S-273 CEREBRAL OXYGEN EXTRACTION MEASURED BY NIRS AND JUGULAR BULB OXYGEN SATURATION DEMONSTRATES THE IMPORTANCE OF HEMOGLOBIN CONCENTRATION IN CONGENITAL HEART DISEASE

1Anesthesiology, Boston Children's Hospital, Boston, Massachusetts, 2Critical Care Medicine, The Hospital for Sick Children, Toronto, Ontario, Canada, 3Pediatrics, New York University Langone Medical Center, New York, New York, 4Chief Scientific Officer, CAS Medical Systems, Inc, Branford, Connecticut, 5Health Evidence and Policy, Mount Sinai Hospital, New York, New York, 6Anesthesiology, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

PR03-49

Challenging Case Reports 9
Abstracts in Poster Discussion Round: CC-65 – CC-72
Presenters in Attendance: 10:30 am – 12:00 pm

PR03-49

Poster Moderator: B. Subramaniam, MD, MPH, Beth Israel Deaconess Medical Center, Boston, Massachusetts

CC-65 CHALLENGING CASE REPORT: NEURAXIAL ANALGESIA FOR LABOR AND DELIVERY IN A PATIENT WITH INCOMPLETE QUADRIPLEGIA AND AN INTRATHecal PUMP

P. V. Patel1, K. Vanderhoeof1, P. James1, P. Challapalli1, C. James2
1Department of Anesthesiology, Mayo Clinic College of Medicine, Jacksonville, Florida, 2Department of Anesthesiology, University of Florida College of Medicine-Jacksonville, Jacksonville, Florida

CC-66 NEOPLASTIC NECK PAIN SUCCESSFULLY MANAGED WITH UPPER CERVICAL INTRAOPERATIVE CATHETER

S. Srinivasan1, N. Zinboonyahghoo2, S. Narang3
1Department of General Surgery, Creighton University Medical Center, Omaha, NE, 2Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts, 3Anesthesiology, Perioperative and Pain Medicine, Boston Children's Hospital, Boston, Massachusetts

CC-67 A RACY CASE: THE CHALLENGE OF INTRAOPERATIVE SUPRAVENTRICULAR TACHYCARDIA TO 170

T. K. Sudweeks, D. Cole, J. White
Anesthesiology, University of Florida, Gainesville, Florida

CC-68 PREGNANT PATIENT WITH MYOTONIC DYSTROPHY

A. K. Nair, D. R. Kamalam
Anesthesiology, Elmhurst Hospital Center, Elmhurst, New York

CC-69 A SIMPLE METHOD FOR POSITIVE PRESSURE VENTILATION DURING FIBEROPTIC INTUBATION: CASE REPORT AND REVIEW OF THE LITERATURE

J. Kynes, J. Mervise
Department of Anesthesia, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts

CC-70 ABSENT MEP IN UPPER EXTREMITY FOLLOWING POSITIONING FOR ACOUSTIC NEUROMA RESECTION

C. Houston, M. Hammer, A. Koht
Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois

CC-71 INTRA-OPERATIVE TEE PROFONDLY CHANGED THE COURSE OF SURGERY AND SAVED THE LIFE OF PATIENT WITH RENAL CELL CANCER AND CAVAL THROMBUS

R. H. Modi, J. Chandrasoma, P. Roffey, D. Thangathurai
Anesthesiology, LAC-USC Medical Center, Los Angeles, California

CC-72 A NOVEL WAY TO PERFORM INTRAOPERATIVE AUTOLOGOUS BLOOD TRANSFUSION DURING A PEDIATRIC HEART TRANSPLANT: A CASE REPORT

N. Singh, P. Reynolds
Department of Pediatric Anesthesiology, University of Michigan, Ann Arbor, Michigan
### Economics, Education and Policy 4

Abstracts in Poster Discussion Round: S-109, 123 – S-127
Presenters in Attendance: 10:30 am – 12:00 pm

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<td>TEACHING METHODS FOR AIRWAY MANAGEMENT SKILLS</td>
<td>S. Patel, Anaesthesia, Pennine Acute NHS Trust, Rochdale, United Kingdom</td>
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<td>S-123</td>
<td>DATA-DRIVEN ANALYSIS OF RACIAL AND ETHNIC DIFFERENCES IN REPORTED PAIN</td>
<td>J. A. Caballero&lt;sup&gt;1&lt;/sup&gt;, D. Roar&lt;sup&gt;2&lt;/sup&gt;, A. J. Butte&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>1Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Palo Alto, California, 2Cambridge Institute for Medical Research, University of Cambridge, Cambridge, United Kingdom, 3Pediatrics – Systems Medicine, Stanford University School of Medicine, Palo Alto, California</td>
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<td>S-125</td>
<td>AMERICAN SOCIETY OF ANESTHESIOLOGISTS (ASA) PHYSICAL STATUS CLASSIFICATION PREDICTS LENGTH OF STAY IN PATIENTS UNDERGOING ROBOTIC ASSISTED LAPAROSCOPIC PROSTATECTOMIES</td>
<td>R. LaCivita&lt;sup&gt;1&lt;/sup&gt;, P. Gupta&lt;sup&gt;1&lt;/sup&gt;, A. Schulman&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>1Anesthesiology, Maimonides Medical Center, Brooklyn, New York, 2Urology, Maimonides Medical Center, Brooklyn, New York</td>
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<td>S-126</td>
<td>WOMEN'S INTEREST IN ANESTHESIOLOGY RESIDENCY: THE EFFECT OF THE EIGHTY-HOUR WORK RULE</td>
<td>G. P. Joshi&lt;sup&gt;1&lt;/sup&gt;, E. Ozayar&lt;sup&gt;2&lt;/sup&gt;, E. B. Rosero&lt;sup&gt;1&lt;/sup&gt;</td>
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<td>1Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas, 2Anesthesiology and Reanimation, Ankara Keçiören Training and Research Hospital, Ankara, Turkey</td>
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<td>S-127</td>
<td>VALIDATING A VETERANS AFFAIRS PERIOPERATIVE SURGICAL HOME: OPTIMIZING PATIENTS WITH CORONARY ARTERY DISEASE IN THE PREOPERATIVE CLINIC</td>
<td>L. Yarmush</td>
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<td>Anesthesiology, Houston Veterans Affairs Medical Center, Houston, Texas</td>
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### Patient Safety 4

Abstracts in Poster Discussion Round: S-240 – S-247
Presenters in Attendance: 10:30 am – 12:00 pm

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<td>PREVENTING IATROGENIC HYPERKALEMIA: A PATIENT SAFETY CASE REPORT</td>
<td>L. L. Llamas&lt;sup&gt;1&lt;/sup&gt;, A. Khan&lt;sup&gt;2&lt;/sup&gt;</td>
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<td></td>
<td>1Department of Anesthesiology, University of Texas Health Science Center at San Antonio, San Antonio, Texas, 2School of Medicine, University of Texas Health Science Center at San Antonio, San Antonio, Texas</td>
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<td></td>
<td>Department of Anesthesiology and Perioperative Care, University of California, San Francisco, San Francisco, California</td>
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<td>S-242</td>
<td>ASSOCIATION OF STOP-BANG SCORES OR OSA DIAGNOSIS WITH POSTOPERATIVE APNEA AND MINUTE VENTILATION IN AN OBESE SURGICAL POPULATION USING RESPIRATORY VOLUME MONITORING IN THE PACU</td>
<td>R. Schumann&lt;sup&gt;1&lt;/sup&gt;, J. Braynor&lt;sup&gt;2&lt;/sup&gt;, A. Gupta&lt;sup&gt;1&lt;/sup&gt;, A. P. Kwater&lt;sup&gt;3&lt;/sup&gt;, I. Bonney&lt;sup&gt;1&lt;/sup&gt;, C. B. Howell&lt;sup&gt;3&lt;/sup&gt;, E. G. Pivalizza&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>1Anesthesiology, Tufts Medical Center, Boston, Massachusetts, 2Research and Development, Respiratory Motion, Inc., Waltham, Massachusetts, 3Anesthesiology, University of Texas Medical School, Houston, Texas</td>
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<td>S-243</td>
<td>COMPARISON OF TWO RISK SCALING SCORES FOR POSTOPERATIVE PULMONARY COMPLICATIONS</td>
<td>S. Okahara, M. Hayashi, K. Shimizu, H. Morimatsu</td>
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<td>Department of Anesthesiology and Resuscitology, Okayama University Hospital, Okayama, Japan</td>
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<td>S-244</td>
<td>INSERTION OF AN OROGASTRIC TUBE UNDER VISUAL GUIDANCE IN ANESTHETIZED PATIENTS. A PILOT STUDY</td>
<td>S. L. Rao</td>
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<td>Anesthesiology, Penn State Hershey Medical Center, Hershey, Pennsylvania</td>
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<td>S-245</td>
<td>DEVELOPMENT OF A COGNITIVE AID TO IMPROVE THE QUALITY OF TRANSITION OF CARE IN CRISIS SITUATIONS</td>
<td>A. Rebel&lt;sup&gt;1&lt;/sup&gt;, P. A. Sloan&lt;sup&gt;2&lt;/sup&gt;, R. Y. Fragneto&lt;sup&gt;2&lt;/sup&gt;, M. F. Lukens&lt;sup&gt;2&lt;/sup&gt;, D. Nguyen&lt;sup&gt;2&lt;/sup&gt;, Z. Hassrou&lt;sup&gt;1&lt;/sup&gt;, R. M. Schell&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>1Anesthesiology / CCM, University of Kentucky, Lexington, Kentucky, 2Anesthesiology, University of Kentucky, Lexington, Kentucky</td>
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Moderated Poster Discussion Rounds • Monday, May 19

S-246 MONITORING MINUTE VENTILATION VERSUS RESPIRATORY RATE TO MEASURE THE ADEQUACY OF VENTILATION IN PATIENTS UNDERGOING UPPER ENDOSCOPIC PROCEDURES
K. Holley1, D. Mathews1, D. Ladd1, P. Georgiadis1, H. Minasyan1, A. Shukla1, H. Schapiro1
1Anesthesiology, Fletcher Allen Health Care, University of Vermont College of Medicine, Burlington, Vermont, 2Nursing, West Virginia University, Morgantown, West Virginia, 3Medicine, University of Vermont College of Medicine, Burlington, Vermont

S-247 FIRST NATIONAL SURVEY OF PATIENT-CONTROLLED ANALGESIA HOSPITAL PRACTICES: GOOD NEWS AND BAD NEWS FOR PATIENT SAFETY
M. Wong
Patient Safety, Physician-Patient Alliance for Health & Safety, Lake Forest, Illinois

Regional Anesthesia 3
Abstracts in Poster Discussion Round: S-286 – S-292
Presenters in Attendance: 10:30 am – 12:00 pm

PR03-52
Poster Moderator: C. Mantilla, MD, PhD, Mayo Clinic, Rochester, Minnesota

S-286 DEXAMETHASONE AS AN ADJUNCT FOR BRACHIAL PLEXUS BLOCKADE: META-ANALYSIS
S. Arulkumar, I. Elnagar, C. Hamilton, C. Fox
Anesthesiology, LSUHSC, Shreveport, Louisiana

S-287 DIPHENHYDRAMINE BLOCKS RAT SCIATIC NERVE AND EXHIBITS A TOXIC EFFECT ON PC12 CELL
Y. Hung, C. Lee
Anesthesiology, Mackay Memorial Hospital, New Taipei City, Taiwan

S-288 THE USE OF IV PCA WITH OR WITHOUT EPIDURAL ANALGESIA DOES NOT AFFECT RECURRENCE FREE SURVIVAL OR OVERALL SURVIVAL WHEN COMPARED TO EPIDURAL ANALGESIA ALONE AFTER PANCREATIC CANCER SURGERY. A RETROSPECTIVE STUDY
I. C. Ifeanyi1, J. Soliz1, J. P. Cate1, P. Sahai1, L. Feng2, M. Katz3, V. Gottumukkala1
1Department of Anesthesiology and Perioperative Medicine, University of Texas MD Anderson Cancer Center, Houston, Texas, 2Department of Biostatistics, University of Texas MD Anderson Cancer Center, Houston, Texas, 3Department of Surgical Oncology, University of Texas MD Anderson Cancer Center, Houston, Texas

S-289 THE EFFICACY OF ULTRASOUND-GUIDED SPERMATIC CORD BLOCK FOR SCROTAL SURGERY
T. Nakagawa, S. Omi, N. Kawamura, Y. Nagamura, K. Sato, K. Habuka
Anesthesia, Tokyo Metropolitan Hiroo Hospital, Tokyo, Japan

S-290 FEASIBILITY AND PERI-OPERATIVE PAIN RELIVING EFFICACY OF ULTRASOUND GUIDED TRANSVERSUS ABDOMINIS PLANE BLOCK IN MORBID OBSESE PATIENTS UNDERGOING LAPAROSCOPIC BARIATRIC SURGERY
A. A. Sherif1, H. M. Koptan1, S. M. Soliman2
1Anesthesia, El-Menoufa University, Kuwait, Kuwait, 2Anesthesia, Ein Shams University, Hadi Clinic, Kuwait, Kuwait

S-291 LONG-TERM EFFECT OF SCIATIC NERVE BLOCK WITH ROPIVACAINE MICROPARTICLES IN A RAT POSTOPERATIVE PAIN MODEL
F. Qi, H. Huang, C. Ding, Y. Guo
Department of Anesthesiology, Qilu Hospital of Shandong University, Jinan, China

S-292 TRANSVERSUS ABDOMINIS PLANE BLOCK TO AMELIORATE POSTOPERATIVE PAIN OUTCOMES AFTER LAPAROSCOPIC SURGERY: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS
M. E. Rodes, G. S. De Oliveira
Anesthesiology, Northwestern University, Chicago, Illinois

Cardiovascular Anesthesiology 4
Abstracts in Poster Discussion Round: S-76 – S-79
Presenters in Attendance: 1:30 pm – 3:00 pm

PR03-53
Poster Moderator: Q. C. Ott, MD, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-76 ACTIVITIES OF CARDIAC TISSUE MMP-2 AND -9 ARE REDUCED BY REMOTE ISCHEMIC PRECONDITIONING AND CORRELATE WITH SERUM CARDIAC TROPONIN T CONCENTRATIONS IN CARDIOSURGICAL PATIENTS
K. Zitta1, P. Meybohm2, B. Bein1, M. Gruenewald1, K. Zacharowski2, M. Steinfath1, M. Albrecht1
1Department of Anesthesiology and Intensive Care Medicine, University Hospital Schleswig-Holstein, Kiel, Germany, 2Clinic of Anesthesiology, Intensive Care Medicine and Pain Therapy, University Hospital Frankfurt, Frankfurt, Germany

S-77 PROPOFOL AMELIORATES HYPERGLYCEMIA-INDUCED CARDIAC HYPERTROPHY AND DYSFUNCTION VIA HEME OXYGENASE-1 / STATS SIGNALING PATHWAY IN RATS
J. Xu1, Z. Xia1, H. Li2, Z. Xia2
1Anaesthesiology, Wuhan University Ren min Hospital, Wuhan, China, 2Anaesthesiology, Department of Anesthesiology, The University of Hong Kong, Hong Kong SAR, China, Hong Kong, China
S-78 GENOME-WIDE ASSESSMENT FOR GENETIC VARIANTS ASSOCIATED WITH LONG-TERM HEART FAILURE AFTER CORONARY ARTERY BYPASS GRAFT SURGERY
A. A. Fox¹, M. Heydarpour², S. C. Body², C. D. Collard¹, C. S. Barnett³, J. G. Seidman¹, C. E. Seidman¹
¹Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas, ²Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts, ³Division of Cardiovascular Anesthesiology, Texas Heart Institute, Houston, Texas, ¹Department of Genetics, Harvard Medical School, Boston, Massachusetts, ²Department of Internal Medicine, Division of Cardiology, Brigham and Women's Hospital, Boston, Massachusetts

S-79 ERYTHROPOIETIN IS A PREDICTOR OF RENAL AFTER AORTIC SURGERY
Y. Kouatli¹, S. N. Neil²
¹Anesthesiology, Henry Ford Health system, Detroit, Michigan, ²Anesthesiology, University of Michigan, Ann Arbor, Michigan

CC-76 ANESTHETIC MANAGEMENT OF THE RESECTION OF A METASTATIC NEUROENDOCRINE TUMOR: A CHALLENGING CASE REPORT
N. Patel¹, J. Wenzel¹, J. W. Heitz²
¹Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Anesthesiology, Thomas Jefferson University, Philadelphia, Pennsylvania

CC-77 COMBINATION PERIPHERAL NERVE BLOCKS FOR POSTOPERATIVE ANALGESIA IN TWO CHILDREN UNDERGOING VENTRICULAR SHUNT REVISION
M. King, T. A. Anderson
Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

CC-78 ??? LARGE VENTILATOR TIDAL VOLUMES AND POSTOPERATIVE HYPOXEMIA
B. Maryak, B. Harrison
Department of Anesthesia, Mayo Clinic Florida, Jacksonville, Florida

CC-79 AIRWAY MANAGEMENT AND ANESTHESIA TECHNIQUE FOR PATIENT WITH DISRUPTED TRACHEAL ANASTOMOSIS AND MULTIPLE FALSE PASSAGES
S. J. Kim, A. J. Levine
Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

CHALLENGING CASES 10
Abstracts in Poster Discussion Round: CC-73 – CC-79
Presenters in Attendance: 1:30 pm – 3:00 pm

Poster Moderator: M. Dworschak, MD, MBA, Medical University of Vienna, Vienna, Austria

CC-73 CHALLENGING CASE REPORT: FOCUSED ECHOCARDIOGRAPHY DURING GLUCAGON ADMINISTRATION TO DIAGNOSE BETA BLOCKER-INDUCED CARDIOMYOPATHY
A. Young¹, M. Merkel¹, J. Cooney², S. Heitner³, P. Schulman¹
¹Anesthesiology, Oregon Health & Science University, Portland, Oregon, ²Anesthesiology, OHSU, Portland, Oregon, ³Knight Cardiovascular Institute, Oregon Health & Science University, Portland, Oregon

CC-74 A MULTIDISCIPLINARY APPROACH TO A LVAD-ARREST ALGORITHM: A CASE REPORT AND AN INSTITUTIONS RESPONSE
E. S. Grave¹, P. Colombo², H. Takayama¹, S. Guswami¹
¹Department of Anesthesiology, Columbia University/ New York-Presbyterian Hospital, New York, New York, ²Department of Medicine, Columbia University/ New York-Presbyterian Hospital, New York, New York, ³Department of Surgery, Columbia University/ New York-Presbyterian Hospital, New York, New York

CC-75 ANTICIPATED DIFFICULT AIRWAY MANAGEMENT IN A CHILD WITH A SUPRAGLOTTIC MASS, A CASE REPORT
R. McLennan¹, R. M. Sloan², A. M. Reddy¹
¹Department of Anesthesiology, University of Kentucky, Lexington, Kentucky, ²Anesthesiology, University of Kentucky, Lexington, Kentucky

Patient Safety 5
Abstracts in Poster Discussion Round: S-248 – S-253
Presenters in Attendance: 1:30 pm – 3:00 pm

Poster Moderator: P. Picton, MD, MRCP, FRCA, University of Michigan, Ann Arbor, Michigan

S-248 GLUCOCORTICOID PRIMING ENHANCES MACROPHAGE MIGRATION INTO EXPERIMENTAL WOUND TISSUE IN HUMANS
M. Yeager¹, P. Guyre², P. A. Pioli²
¹Anesthesiology, Dartmouth Hitchcock Medical Center, Lebanon, NH, ²Physiology, Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire

S-249 COMPARATIVE CHANGES IN PSYCHOLOGICAL MOOD AND STRESS AFTER DAYTIME PRACTICE IN CERTIFIED ANESTHESIOLOGISTS AND RESIDENTS
T. Oshima¹, J. Hirashima¹, M. Yokota¹
¹Anesthesiology, Cancer Institute Hospital, Tokyo, Japan

S-250 PHENOTYPIC VARIATION IN ANESTHESIA WORK AREA S. AUREUS TRANSMISSION
J. C. Peters¹, R. W. Loftus², N. W. Shuorak³, H. M. Patel⁴
¹Anesthesiology, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire, ²Medicine, Pharmacology and Toxicology, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire
S-316 THE VALIDITY OF BISPECTRAL INDEX VALUES OBTAINED FROM A LATEROFACIAL ELECTRODES

H. Yogo
Anesthesiology, Tomishiro Central Hospital, Tomigusuku, Japan

S-251 ADD-ONE ASA CLASS: REDEFINING THE ASA CLASSIFICATION SYSTEM TO FORMALLY INCORPORATE FUNCTIONAL DEPENDENCE TO BETTER PREDICT POSTOPERATIVE MORTALITY

O. Visnjevac, S. F. Davari Farid, J. Lee, L. Poutsaltis, N. D. Nader
Anesthesiology and Pain Medicine, State University of New York: Buffalo, Buffalo, New York

S-252 TOO MANY COOKS IN THE KITCHEN? A COHORT STUDY OF ANESTHESIA PROVIDER VOLUME AND RISK OF POSTOPERATIVE COMPLICATIONS

J. A. Hyder1, J. K. Bohman1, D. J. Kor1, A. Subramanian1, E. A. Bittner2, B. J. Narr2, V. M. Montori1
1Anesthesiology, Mayo Clinic, Rochester, MN, 2Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, 3Endocrinology, Mayo Clinic, Rochester, Minnesota

S-253 EFFECT OF PREOPERATIVE ORAL HYDRATION AND CARBOHYDRATE LOAD ON GASTRIC VOLUME AND PH IN PATIENTS WAITING FOR SURGERY

S. L. Rao1, J. A. Baer1, N. Rajan1
1Department of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA, 2Anesthesiology, Penn State Hershey Medical Center, Hershey, Pennsylvania

S-317 A THEORETICAL ANALYSIS OF THE EFFECT OF EXTRA-CORPOREAL MEMBRANE OXYGENATION THERAPY ON PULMONARY ARTERIAL PRESSURE: IMPLICATIONS FOR BRIDGE TO LUNG TRANSPLANTATION

M. Dickstein1, M. Bacchetta2
1Anesthesiology, Columbia University, New York, New York, 2Surgery, Columbia University, New York, New York

S-318 NOVEL METHOD OF BLOOD VESSEL VISUALIZATION AND CANNULATION USING AUGMENTED REALITY

B. D. Fronk, D. R. Solanki, V. R. Koyyalagutta
Anesthesiology, University of Texas Medical Branch, Galveston, Texas

S-319 CONTROL OF BURST–SUPPRESSION IN A RODENT MODEL OF MEDICAL COMA USING A BRAIN–MACHINE INTERFACE

1Electrical and Computer Engineering, Cornell University, Ithaca, New York, 2Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-314 A FEASIBILITY STUDY TO DEMONSTRATE THE USE OF IN-SITU SIMULATION TO IMPROVE SAFETY IN THE OFFICE-BASED SETTING

F. Shapiro1, D. Feinstein1, R. D. Urman2
1Anesthesiology, Beth Israel Deaconess Medical Center, Boston, Massachusetts, 2Anesthesiology, Brigham and Women’s Hospital, Boston, Massachusetts

S-315 ACCURACY AND CLINICAL RELEVANCE OF NON-INVASIVE RESPIRATORY VOLUME MEASUREMENTS IN OBESE SURGICAL PATIENTS

R. Schumann1, C. M. MacNab2, Q. Al Hassan3, I. Bonney1, A. P. Kuwata4, D. Shoham5, E. G. Pivalizza3
1Anesthesiology, Tufts Medical Center, Boston, Massachusetts, 2R & D, Respiratory Motion Inc, Waltham, Massachusetts, 3Anesthesiology, University of Texas Medical School, Houston, Texas

S-316 THE VALIDITY OF BISPECTRAL INDEX VALUES OBTAINED FROM A LATEROFACIAL ELECTRODES

H. Yogo
Anesthesiology, Tomishiro Central Hospital, Tomigusuku, Japan

S-317 SOLUBLE EPOXIDE HYDROLASE POLYMORPHISMS ARE ASSOCIATED WITH OUTCOME AFTER ANEURYSMAL SUBARACHNOID HEMORRHAGE

1Anesthesiology and Perioperative Medicine, Oregon Health and Science University, Portland, Oregon, 2Neurological Surgery, Oregon Health and Science University, Portland, Oregon

S-317 INFLAMMATION INCREASES NEURONAL SENSITIVITY TO GENERAL ANESTHETICS IN MICE

S. Avramescu1, W. T. To1, D. Wang2, A. Penna1, I. Lecker1, B. A. Orser2
1Department of Anesthesia, University of Toronto, Sunnybrook Health Sciences Centre, Ontario, Canada, 2Department of Physiology, University of Toronto, Toronto, Ontario, Canada, 3Department of Physiology, University of Toronto, University of Toronto, Ontario, Canada, 4Department of Anesthesia and Physiology, University of Toronto, University of Toronto, Ontario, Canada

S-318 OPTOGENETIC DISSECTION OF THE NEURONAL CIRCUITS OF THE MOUSE RESPIRATORY NETWORK

M. G. Fortuna1, S. Kugler2, S. Hülsmann1
1Neurophysiology, University Medical Center Gottingen, Gottingen, Germany, 2Neurology, University Medical Center Gottingen, Gottingen, Germany
S-179 DIFFERENTIAL NEURONAL DYNAMICS IN SOMATOSENSORY VERSUS HIGHER-ORDER CORTICES DURING RECOVERY FROM PROPOFOL ANESTHESIA IN PRIMATES

Y. Ishizawa1, S. Patel2, O. J. Ahmed1, D. Sierra-Mercado1, E. N. Brown1
1Anesthesia, Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, 2Neurosurgery, Massachusetts General Hospital, Boston, Massachusetts, 3Neurology, Massachusetts General Hospital, Boston, Massachusetts

S-180 MATERNAL-FETAL ANESTHESIA AND FETAL NEUROTOXICITY USING THE OVINE MODEL

T. Olutoye1, F. Sheikh2, I. J. Zamora3, A. Akinkuotu2, L. C. Yu4, A. M. Adesina5, O. Olutoye5
1Anesthesiology & Pediatrics, Texas Children's Hospital, Baylor College of Medicine, Houston, Texas, 2Surgery, Texas Children's Hospital, Baylor College of Medicine, Houston, Texas, 3Surgery, Baylor College of Medicine, Houston, Texas, 4Surgery, Baylor College of Medicine, Texas Children's Hospital, Houston, Texas, 5Pathology, Texas Children's Hospital, Baylor College of Medicine, Houston, Texas

S-181 MIDAZOLAM INCREASES TAU PHOSPHORYLATION IN THE MOUSE HIPPOCAMPUS

R. Whittington1, L. Virag1, I. Poitras1, R. Q. Li2, E. Planel3
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S-207 ANALGESIA AFTER TOTAL HIP ARTHROPLASTY: PERIARTICULAR INJECTION VERSUS EPIDURAL PCA

K. M. Jules-Elysee1, A. K. Goon1, G. H. Westrich1, Y. Lin1, D. E. Padgett1, R. L. Kahn1, A. S. Ranawat2
1Anesthesiology, Hospital for Special Surgery, New York, New York, 2Orthopedic Surgery, Hospital for Special Surgery, New York, New York

S-298 INCIDENCE OF DEVASTATING COMPLICATIONS OF Epidural ANALGESIA IN THE UNITED STATES, 1998 - 2010: A PERSPECTIVE FROM A MEGA DATA ANALYSIS

E. B. Rosero1, G. P. Joshi2
1Anesthesiology and Pain Management, UT Southwestern Medical Center, Dallas, Texas, 2Anesthesiology & Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-299 HEMIDIAPHRAGMATIC PARALYSIS FOLLOWING ULTRASOUND- GUIDED SUPRACLAVICULAR VERSUS INFRACLAVICULAR BRACHIAL PLEXUS BLOCKADE: A RANDOMIZED CLINICAL TRIAL

S. D. Petrar1, M. E. Seltenrich2, S. J. Head2, S. K. Schwarz2
1Department of Anesthesia, St. Paul's Hospital, Vancouver, British Columbia, Canada, 2Department of Anesthesiology, Pharmacology & Therapeutics, The University of British Columbia, Vancouver, British Columbia, Canada

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Abstracts in Poster Discussion Round: S-293 – S-297
Presenters in Attendance: 3:00 pm – 4:30 pm

PR03-59
Poster Moderator: Y. Saito, MD, Shimane University, Izumo, Shimane, Japan

S-293 RETROSPECTIVE ANALYSIS OF OUTCOMES OF A DEDICATED REGIONAL ANESTHESIA ACUTE PAIN TEAM MODEL

A. Dhade, L. Collisimo, H. Kroll
Anesthesia, Henry Ford Hospital, Detroit, Michigan

S-294 WHICH CONCENTRATION DO YOU CHOOSE 0.2% ROPIVACAINE OR 0.375% ROPIVACAINE? THE COMPARISON OF THE ANALGESIC EFFECT OF THE CONTINUOUS GLUTEAL SCIATIC NERVE BLOCK AFTER RECONSTRUCTIVE SURGERY OF ANKLE AND FOOT

T. Mae1, N. Haruyama1, S. Nishizaka2, K. Shinohara1, T. Arashi1, T. Yamasaki1
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The IARS tabletop exhibits provide a unique opportunity to interact one-on-one in an informal setting with industry representatives. Learn about the newest innovations and products and discuss the latest developments in anesthesia research and clinical practice.

Display Hours:
Saturday, May 17 ................. 7:00 am – 2:00 pm
Attendee Reception ............... 5:00 pm – 6:00 pm
Sunday, May 18 .................... 6:00 am – 2:00 pm
Monday, May 19 .................... 6:00 am – 2:00 pm

IARS 2014 Annual Meeting Exhibit Floor Plan
Convention Level, Fairmont The Queen Elizabeth Hotel

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3 Hospira
5 Verathon Medical
6 Anesthesia Business Consultants
7 AbbVie
8, 10 Respiratory Motion
9 3M Canada
11 American Board of Anesthesiology
12 Micropore Inc.
13 Teleflex
14 Edwards Lifesciences (Canada) Inc.
15, 17 Wolters Kluwer Health
16 Parker Medical
18 Masimo
19 Advanced Infusion
20 Piramal Critical Care
22 Clear Guide Medical
23 American Society of Anesthesiologists
Tabletop Exhibit Information

Saturday, May 17 • 7:00 am – 2:00 pm
Sunday-Monday, May 18-19 • 6:00 am – 2:00 pm

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| The American Board of Anesthesiology ........................... Table #11 |
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| Association of University Anesthesiologists .................. Resource Center |
| International Society of Anaesthetic Pharmacology (ISAP) ...... Resource Center |
| Society for Obstetric Anesthesia and Perinatology (SOAP) .... Resource Center |
| Society for Technology in Anesthesia (STA) .................... Resource Center |
| Society for Critical Care Anesthesiologists (SOCCA) ........ Resource Center |
| Society of Anesthesia and Sleep Medicine (SASM) .............. Resource Center |

**The American Board of Anesthesiology ............................ 11**

The American Board of Anesthesiology, Inc. examines and certifies physicians who complete an ACGME-accredited program of anesthesiology training in the US and voluntarily apply to the Board for certification or maintenance of certification. Visit our booth to get details about primary certification in anesthesiology, subspecialty certification in pediatric anesthesiology, and the Maintenance of Certification in Anesthesiology Program (MOCA). We can guide you through our website and your physician portal account.

**American Society of Anesthesiologists ......................... 23**

ASA is the leading anesthesiology professional society with more than 52,000 members. Since its founding in 1905, the Society raises and maintains the standard of anesthesiology through education, advocacy, quality improvement, and a focus on patient care. Each year, ASA hosts the ANESTHESIOLOGY™ annual meeting – a premier educational event for anesthesiologists which unites upwards of 15,000 attendees from more than 90 countries. Join us in New Orleans, Louisiana, October 11-15 for ANESTHESIOLOGY™ 2014. To learn more, visit gaanesthesiology.org
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SOCIETY TABLETOP EXHIBITS

Society for Technology in Anesthesia (STA) ........................ Resource Center

STA 414-389-8600
www.STAhq.org

The Society for Technology in Anesthesia (STA) is an international organization of physicians, engineers, students and others with an interest in anesthesia-related technologies. The mission of STA is to improve the quality of patient care by innovation in the use of technology and its application. The Society promotes education and research, collaborates with local, national and international organizations, sponsors meetings and exhibitions, awards grants and recognizes achievement.

Society of Anesthesia and Sleep Medicine (SASM) ........................ Resource Center

SASM 414-389-8608
www.SASMhq.org

The Society of Anesthesia and Sleep Medicine (SASM) has been founded to encourage exploration of the substantial common ground that exists between anesthesiology and sleep medicine and the anesthetic and sleep states. The mission of SASM is to advance standards of care for clinical problems shared by anesthesiology and sleep medicine, including peri-operative management of sleep disordered breathing, and to promote interdisciplinary communication, education and research in matters common to anesthesia and sleep.

Society of Critical Care Anesthesiologists (SOCCA) ........................ Resource Center

SOCCA 415-296-6952
www.socca.org

SOCCA's mission is dedicated to the education of anesthesiologists in the care of critically ill patients and to foster the knowledge and practice of critical care medicine by anesthesiologists. This will be accomplished through education, advocacy and community.

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**Sunday-Monday, May 18–19 • 6:00 am – 2:00 pm**

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<th>Technical tabletop exhibits</th>
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<tr>
<td><strong>3M Canada</strong></td>
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<tr>
<td>800-265-1840 • <a href="http://www.3M.com">www.3M.com</a></td>
</tr>
<tr>
<td>For 50 years, 3M has contributed innovative solutions to the worldwide campaign against healthcare-associated infections. Reducing inadvertent perioperative hypothermia is a proven step in helping reduce surgical-site infections along with a range of other serious complications. That’s why we’re proud to offer patient warming solutions that have set the standard for innovation and quality.</td>
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<tr>
<td><strong>Advanced Infusion, Inc.</strong></td>
</tr>
<tr>
<td>770-979-3379 • <a href="http://www.advancedinfusion.com">www.advancedinfusion.com</a></td>
</tr>
<tr>
<td>We manufacture and sell disposable infusion pump and catheter system for post surgical pain control for both incisional surgeries and anesthesia blocks.</td>
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TECHNICAL TABLETOP EXHIBITS

Elsevier ................................. Table 1

215-239-3491 • www.elsevierhealth.com

Elsevier is a leading publisher of health science publications, advancing medicine by delivering superior reference information and decision support tools to doctors, nurses, health practitioners and students. With an extensive media spectrum – print, online and handheld, we are able to supply the information you need in the most convenient format.

Masimo .................................. Table 18

949-297-7000 • www.masimo.com

Masimo is a global medical technology company that develops and manufactures innovative non-invasive patient monitoring technologies, including medical devices and a wide array of sensors. A key medical technology innovator, Masimo is responsible for the invention of award-winning non-invasive technologies that are revolutionizing patient monitoring.

Hospira ................................... Table 3

224-212-2000 • www.hospira.com

Hospira is the world’s leading provider of injectable drugs and infusion technologies. Through its broad, integrated portfolio, Hospira is uniquely positioned to Advance Wellness™ by improving patient and caregiver safety while reducing healthcare costs. The company is headquartered in Lake Forest, Illinois, and has approximately 14,000 employees.

Micropore Inc. ............................ Table 12

302-731-4100 • www.spiralith.com

Micropore manufactures solid, non-dusting CO2 absorbents for life support applications in the medical, submarine, military diving, mine safety and spacecraft markets. The company makes the only lithium hydroxide absorbent used in anesthesia workstations. Manufactured in the US, the anesthesia absorbents are fully recycled at the company’s facility in Maryland.

Parker Medical .......................... Table 16

303-799-1990 www.parkermedical.com

Parker Medical develops and markets innovative airway management products designed to facilitate rapid, easy, accurate and safe intubations. This year we will be featuring the expanded line of our award-winning flex-tip endotracheal tube which recently was granted a 510k by the FDA for endotracheal intubations, as well as our directional stylet and our disposable, silicone, laryngeal mask device.
### Tabletop Exhibit Information

#### Saturday, May 17 • 7:00 am – 2:00 pm

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### Technical Tabletop Exhibits

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<td><strong>Piramal Critical Care</strong></td>
<td>610-974-9760</td>
<td><a href="http://www.piramal.com">www.piramal.com</a></td>
</tr>
<tr>
<td><strong>Teleflex</strong></td>
<td>800-523-8446</td>
<td><a href="http://www.teleflex.com">www.teleflex.com</a></td>
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<td><strong>Respiratory Motion</strong></td>
<td>781-373-1636</td>
<td><a href="http://www.respiratorymotion.com">www.respiratorymotion.com</a></td>
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<td><strong>Wolters Kluwer Health</strong></td>
<td>215-521-8300</td>
<td><a href="http://www.lww.com">www.lww.com</a></td>
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**Piramal Critical Care** is a business unit of Piramal Healthcare Limited. Our worldwide product portfolio includes an extensive range of inhalation anesthetics like Sevoflurane, Halothane, Isoflurane, and Enflurane. We are committed to providing high quality products and services to fulfill the unmet medical needs in critical care.

**Teleflex**

800-523-8446 • [www.teleflex.com](http://www.teleflex.com)

At Teleflex we believe in improving the health and quality of people’s lives. We apply purpose driven innovation – a relentless pursuit of identifying unmet clinical needs – in a way that helps benefit patients, providers and society. We create products that offer practical airway management solutions that help reduce the risk of airway related complications and improve procedural efficiencies. Our Rusch® and LMA® branded products include laryngeal mask airways, endotracheal tubes, tracheostomy tubes, oral and nasal airways, anesthesia circuits, masks and bags.

**Respiratory Motion**

781-373-1636 • [www.respiratorymotion.com](http://www.respiratorymotion.com)

Respiratory Motion, Inc. is the developer of a respiratory volume monitor that is a non-invasive, continuous, point of care system that will provide real-time quantitative monitoring of Minute Ventilation, TV, and RR. This is the first clinically useful monitor answering the ASA guidelines. It can assist clinicians in monitoring breathing in patients with potential respiratory compromise, and as advanced by the ASA, continuous monitoring of ventilation can improve patient safety and reduce costs.

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**Wolters Kluwer Health**

215-521-8300 • [www.lww.com](http://www.lww.com)

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