



IARS

International Anesthesia Research Society

Celebrating 90 Years of Excellence



IARS 2012 Annual Meeting

Friday, May 18 to Monday, May 21

Marriott Copley Place • Boston, Massachusetts

International Science Symposium

Mechanisms of Anesthesia

Friday, May 18

FINAL PROGRAM



IARS

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Celebrating 90 Years of Excellence

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May 18, 2012

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Welcome to the IARS 2012 Annual Meeting in the historic city of Boston, where in 1846 Dr. William Thomas Green Morton first publicly demonstrated the efficacy of ether anesthesia.

Dr. Colleen G. Koch and Dr. Keith A. (Tony) Jones, Program Chairs for this year's IARS Annual Meeting, have planned an exciting program with an exceptional mix of education featuring cutting-edge topics, internationally recognized presenters, and opportunities to interact with colleagues and anesthesiology thought leaders.

Join us on Friday, May 18, at 8:00 am as we kick-off the Annual Meeting with an official Welcome and Opening Session featuring the T.H. Seldon Memorial Lecture presented by noted safety expert James P. Bagian, MD, PE. Dr. Bagian is a Fellow of the Aerospace Medical Association, and a member of the National Academy of Engineering and the Institute of Medicine. Dr. Bagian's topic is *Patient Safety: Anesthesia Can Lead the Way*.

The IARS International Science Symposium, now in its fifth year, will follow at 11:30 am on Friday. The focus of this symposium is *Mechanisms of Anesthesia*.

We are also introducing two new symposia this year:

- **The Resident Symposium**, taking place on Saturday, May 19, 8:00 am will focus-on *Resident Education and Advancement* and feature a *Best of Resident Oral Abstract Judging Session*.
- **A Clinical Research Symposium**, organized by the European Society of Anaesthesiology: *The Role of Specialist Societies in Clinical Outcomes Research: How Can They Take a Lead* will take place on Sunday, May 20, at 9:00 am.

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As you page through this Program Book you will find information about the 27 Review Course Lectures, 18 Panels, many of which are sponsored and presented by our affiliated subspecialty anesthesia societies, and Moderated Poster Rounds in 21 topic areas. You'll also find information about 15 Problem-Based Learning Discussions and 3 Hands-On Workshops for which pre-registration was required. Be sure to save time to visit the Scientific Exhibits and Industry Exhibits to round out your educational experience.

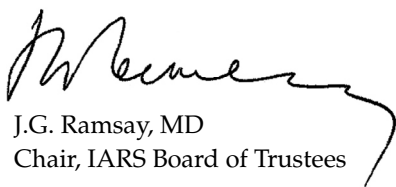
We've also planned two special functions for you to relax and unwind, renew old acquaintances and build new relationships. Don't miss the complimentary (for meeting attendees) *IARS Networking Reception* on Saturday, May 19, from 6:30 pm – 7:30 pm at the Marriott where you will be able to meet and mingle with IARS leaders, *Anesthesia & Analgesia* Editors, and your colleagues and friends. And be sure to join us at the *IARS 'Party with a Purpose'* fundraiser to support anesthesia research on Sunday, May 20 at 6:30 pm at the Westin Copley Place (tickets on sale at the Registration Desk).

EXECUTIVE DIRECTOR

T. A. Cooper
San Francisco, CA

We look forward to greeting you in Boston and are confident you will find the IARS 2012 Annual Meeting and education program to be rewarding and enjoyable. Thank you for being here.

Cheers!



J.G. Ramsay, MD
Chair, IARS Board of Trustees

Welcome to the IARS 2012 Annual Meeting and the City of Boston!

Over the next four days you'll have an opportunity to attend outstanding education sessions including **27 Review Course Lectures** featuring presentations by the leading experts in their topic field, **18 Panel Presentations** with cutting-edge topics in sub-specialty fields, **Interactive Workshops** providing one-on-one demonstrations, **Problem-Based Learning Discussions** with challenging case-based scenarios, three days of **Moderated Abstract Poster Sessions** and tabletop exhibits introducing the latest innovations, products and cutting edge techniques.

Featured Sessions Include:

- **T.H. SELDON MEMORIAL LECTURE • FRIDAY, MAY 18, 8:30 am**
Join *James P. Bagian, MD, PE*, for the *Opening Session – Patient Safety: Anesthesia Can Lead the Way*
- **INTERNATIONAL SCIENCE SYMPOSIUM • FRIDAY, MAY 18, 11:30 am**
Presenting a forum for cutting edge science and how it affects the anesthesiology specialty the 2012 Focus of the Symposium will be on the *Mechanisms of Anesthesia*.
- **RESIDENT SYMPOSIUM • SATURDAY, MAY 19, 8:00 am** – A session dedicated to *Resident education and advancement* including a *Best of Resident Oral Abstract Judging Session*
- **THE CLINICAL RESEARCH SYMPOSIUM • SUNDAY, MAY 20, 9:00 am** – At this ESA supported session, you'll learn about *The Role of Specialist Societies in Clinical Outcomes Research and How Can They Take a Lead?*

Special Events at the IARS Annual Meeting:

Join your colleagues and network with the Trustees of the IARS and Editorial Board of *Anesthesia & Analgesia* at the **IARS NETWORKING RECEPTION** on Saturday, May 19, 6:30 – 7:30 pm.

Relax and unwind, build new relationships, renew old acquaintances. Cocktails and hors d'oeuvres will be served. We look forward to seeing you there!

'PARTY WITH A PURPOSE' DURING THE 2012 ANNUAL MEETING AT THE IARS FUNDRAISING DINNER on Sunday, May 20, 6:30 – 10:00 pm at the Westin Copley Place. Help raise awareness of and support for anesthesia research while you enjoy a fun filled evening with good food, live music, and entertainment. Tickets can be purchased at the IARS registration desk.

We hope you'll enjoy your time spent in the city that is often called the 'Cradle of American History' Tour the first college established in North America – Harvard University, founded in 1636, visit the Ether Dome, the site where Dr. William Thomas Green Morton first publicly demonstrated anesthesia, or while in town be sure to visit Beacon Street and the bar where everybody knows your name – 'Cheers!'

T.H. SELDON MEMORIAL LECTURE

Opening Session

Friday, May 18
8:30 - 9:30 am

Patient Safety: Anesthesia Can Lead the Way



James P. Bagian, MD, PE
*Director of the Center for
Healthcare Engineering and Patient Safety
Professor, Medical School and the
College of Engineering,
University of Michigan
Ann Arbor, Michigan*

Dr. James P. Bagian has extensive experience in the fields of human factors, aviation, and patient safety. Dr. Bagian is the Director of the Center for Healthcare Engineering and Patient Safety and is a Professor in the Medical School and the College of Engineering at

the University of Michigan. Previously he served as the first and founding director of the VA National Center for Patient Safety and as the VA's first Chief Patient Safety Officer where he developed numerous patient safety related tools and programs that have been adopted nationally and internationally. A NASA astronaut for over 15 years, he is a veteran of two Space Shuttle missions including the lead mission specialist for the first dedicated Life Sciences Spacelab mission. Following the 1986 Challenger space-shuttle explosion he dove and supervised the capsule's recovery from the ocean floor and was one of the leaders of the development of the Space Shuttle Escape System. He also served as the Chief Flight Surgeon and Medical Consultant for the Space Shuttle Columbia Accident Investigation Board. Dr. Bagian holds a B.S. degree in mechanical engineering from Drexel University and a doctorate in medicine from Thomas Jefferson University. He is a Fellow of the Aerospace Medical Association, a member of the National Academy of Engineering, the Institute of Medicine, and has received numerous awards for his work in the field of patient safety and aerospace medicine.

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 Seldon Memorial Lecture in 1992 after Dr. Seldon's death in 1991.

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INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

2012 ANNUAL MEETING

CONTINUING MEDICAL EDUCATION (CME)

ACTIVITY INFORMATION

Activity Overview

Findings from new research and the evolution of anesthesiology practice based on emerging evidence create an inherent gap between existing practice and new practice models. The IARS 2012 Annual Meeting addresses anesthesiology practice gaps in all areas of anesthesiology practice and pain management and supports physician behavior changes and improved patient outcomes.

Target Audience

The IARS 2012 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;
- Recognize gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

Accreditation

This educational activity was planned and produced in accordance with the ACCME Essentials and Standards relating to continuing medical education. The International Anesthesia Research Society (IARS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Continuing Medical Education Credit

The IARS designates this educational activity for a maximum of **32 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The American Medical Association (AMA) has determined that physicians not licensed in the United States who participate in this CME activity are eligible for AMA Physician's Recognition Award Category credits.

Claiming CME Credit

The IARS will provide online program evaluation and session tracking to support claiming CME credit. In compliance with ACCME guidelines, credit may be claimed beginning on the day following completion of a session. Physicians may complete session evaluations online during the IARS 2012 Annual Meeting or after the event, and may print CME certificates after the event from any computer with an internet connection. Printers will not be available onsite. Visit the Cyber Center to access the online CME evaluation. Credit for the IARS 2012 Annual Meeting can be claimed online at www.iars.org/congress through May 18, 2015.

Maintenance of Certification in Anesthesiology

For the Maintenance of Certification in Anesthesiology Program® (MOCA®) you will be asked to enter your ABA ID, after completing your session evaluations, into 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 printed in the Final Program and available online at www.iars.org/congress after May 11, 2012.

About the IARS

The International Anesthesia Research Society is a nonpolitical, not-for-profit medical society founded in 1922 to advance and support scientific research and education related to anesthesia, and to improve patient care through basic research. The IARS contributes nearly \$1 million annually to fund anesthesia research; provides a forum for anesthesiology leaders to share information and ideas; maintains a worldwide membership of more than 15,000 physicians, physician residents, and others with doctoral degrees, as well as health professionals in anesthesia-related practice; sponsors the SmartTots initiative in partnership with the FDA; and publishes the monthly *Anesthesia & Analgesia* journal in print and online.

INTERNATIONAL SCIENCE SYMPOSIUM

MECHANISMS OF ANESTHESIA

FRIDAY, MAY 18 • 11:30 AM – 4:15 PM

SYMPOSIUM TIMELINE

11:30 am – 12:00 pm Lunch and Introduction
12:00 pm – 4:15 pm Presentations and
Panel Discussion

MODERATOR

Emery N. Brown, MD, PhD

*Professor of Computational Neuroscience and Health Sciences and Technology,
Department of Brain and Cognitive Sciences, MIT-Harvard Division of Health
Science and Technology
Massachusetts Institute of Technology, Cambridge, Massachusetts*

*Warren M. Zapol Professor of Anaesthesia, Harvard Medical School
Department of Anesthesia, Critical Care and Pain Medicine
Massachusetts General Hospital, Boston, Massachusetts*

PANEL PRESENTERS

CORTICAL FEEDBACK AND GENERAL ANESTHESIA

George A. Mashour, MD, PhD

*Associate Chair for Faculty Affairs
Director, Division of Neuroanesthesiology
Assistant Professor of Anesthesiology & Neurosurgery
Faculty, Neuroscience Graduate Program
University of Michigan Medical School
Ann Arbor, Michigan*

NEUROPHYSIOLOGICAL CORRELATES OF UNCONSCIOUSNESS UNDER GENERAL ANESTHESIA

Patrick Purdon, PhD

*Instructor of Anaesthesia
Harvard Medical School
Assistant in Bioengineering
Department of Anesthesia and Critical Care
Massachusetts General Hospital
Boston, Massachusetts*

ANESTHETIC AMNESIA: INSIGHTS FROM HUMAN SUBJECT RESEARCH

Kane O. Pryor, MD

*Assistant Professor of Anesthesiology
Assistant Professor of Anesthesiology in Psychiatry
Director of Clinical Research
Department of Anesthesiology
Weill Cornell Medical College
New York, New York*

ACTIVE REANIMATION FROM GENERAL ANESTHESIA

Ken Solt, MD

*Assistant Professor of Anaesthesia
Harvard Medical School
Department of Anesthesia, Critical Care and Pain Medicine
Massachusetts General Hospital
Boston, Massachusetts*

DAILY SCHEDULE AT-A-GLANCE

6:00 am – 5:30 pm	Registration	10:00 am – 5:00 pm	Concurrent Education Sessions
7:00 am – 8:00 am	Problem-Based Learning Discussions		• Review Course Lectures
8:00 am – 8:30 am	IARS Welcome		• Panels
8:30 am – 9:30 am	T.H. Seldon Memorial Lecture		• Moderated Poster Discussion Rounds
	Opening General Session	11:30 am – 4:15 pm	IARS International Science Symposium

7:00 am - 1:00 pm Tabletop Exhibits

● Problem-Based Learning Discussions



PBLD-01 • 7:00 – 8:00 am

PEDIATRIC TRAUMA

Manon Hache, MD, Assistant Professor of Anesthesiology, Division of Pediatric Anesthesia; Director, Pediatric Trauma Anesthesia, Columbia University Medical Center, Morgan Stanley Children's Hospital of New York-Presbyterian, New York, New York

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the management of pediatric trauma patients presenting with unstable or uncleared c-spine injuries; (2) Manage the pediatric patient with massive transfusion requirements; and (3) Describe the latest guidelines for the management of severe traumatic brain injury.



PBLD-03 • 7:00 – 8:00 am

MASSIVE OBSTETRIC HEMORRHAGE, BLOOD CONSERVATION STRATEGIES, NEW THERAPEUTIC OPTIONS, AND MASSIVE TRANSFUSION PROTOCOL

Moderator: Ashutosh Wali, MD, FFARCSI, Associate Professor of Anesthesiology, Associate Professor of Obstetrics and Gynecology, Director, Advanced Airway Management, Baylor College of Medicine, Houston, Texas

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the common causes of antepartum hemorrhage and postpartum hemorrhage; (2) Discuss drug therapy for management of uterine atony, which is the commonest cause of postpartum hemorrhage; (3) Discuss blood conservation techniques for massive obstetric hemorrhage; (4) Describe the role of recombinant factor VIIa and massive transfusion protocol in peripartum hemorrhage; and (5) Discuss novel surgical options following massive obstetric hemorrhage.



PBLD-02 • 7:00 – 8:00 am

BEYOND THE SCIP BUNDLE: EMERGING CONCEPTS IN INFECTION PREVENTION FOR THE ANESTHESIOLOGIST

Moderator: Randy W. Loftus, MD, Assistant Professor of Anesthesiology, Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Review and evaluate the relative roles of healthcare providers, the environment, and patients in the process of intraoperative bacterial transmission and infection development; (2) Emphasize the patient role in between and within operative case bacterial transmission and infection development; (3) Discuss the efficacy of current prophylactic antibiotic strategies for coverage of bacterial colonization and patient transmission events; (4) Identify the limitations of the SCIP bundle for infection prevention; and (5) Know the importance of an evidence-based multimodal program for infection prevention.

Sessions and presenters listed are as of press time and subject to change.

**IARS WELCOME AND
OPENING GENERAL SESSION
8:00 – 8:30 am**

8:30 – 9:30 am

**T.H. SELDON
MEMORIAL LECTURE**
*PATIENT SAFETY:
ANESTHESIA CAN LEAD THE WAY*

James P. Bagian, MD, PE
*Director of the Center for Healthcare
Engineering and Patient Safety
Professor, Medical School and the
College of Engineering,
University of Michigan
Ann Arbor, Michigan*

Patient safety will be discussed from the perspective of its underlying challenges and with particular emphasis on the approaches and tools that can be employed to deal with these challenges. Numerous real world examples will be used from not only healthcare but also aviation and other fields of endeavor.

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the goal of patient safety; (2) Describe the importance of close calls in identifying patient safety vulnerabilities; (3) Identify the value of a non-punitive approach to problem identification and resolution; (4) Describe the value of clearly defining what activities are blameworthy; (5) Describe the role that leadership at all levels plays in the institution of an effective patient safety program; and (6) Identify strategies for prioritizing and ameliorating patient safety vulnerabilities.

● Review Course Lectures

RCL-01 • 10:00 – 10:55 am

**NEUROANESTHESIA: MYTHS AND MYSTERIES FOR THE
OCCASIONAL NEUROANESTHESIOLOGIST**

Presenter: Gregory Crosby, MD, Associate Professor, Harvard Medical School, Department of Anesthesiology, Brigham and Women's Hospital, Boston, Massachusetts

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Explain how, why, and when physiologic management (blood pressure, glucose, fluids, and ventilation) differs for a neurosurgical patient; (2) Recognize what is special and what isn't about anesthetic choices; (3) Differentiate between common neurophysiologic monitoring modalities; and (4) Discuss the current status of "brain protection".

RCL-02 • 11:00 – 11:55 am

TEVAR – PERIOPERATIVE MANAGEMENT AND OUTCOMES

Presenter: Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, Distinguished University Professor Chair/Chief, Department of Anesthesia and Perioperative Medicine, London Health Sciences Centre and St. Joseph Health Care, University of Western Ontario, London, Ontario, Canada

LEARNER OBJECTIVES: After participating in this activity, the learner will have: (1) Reviewed the pathology of thoracic aortic aneurysm disease; (2) Discussed the anesthetic consideration and perioperative management of TEVAR; and (3) Reviewed the perioperative outcomes of TEVAR and open surgery.

RCL-03 • 1:00 – 1:55 pm

**POSTOPERATIVE DELIRIUM: DIAGNOSIS
AND MANAGEMENT STRATEGIES**

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) Identify and characterize the clinical presentation of postoperative delirium; (2) Review the epidemiology of postoperative and ICU delirium, including incidence, definition, and risk factors; (3) Identify current evidence-based strategies for minimizing and/or treating delirium; and (4) Characterize difficulties and challenges in measuring and treating postoperative and ICU delirium.

● Review Course Lectures — continued

RCL-04 • 2:00 – 2:55 pm

TRALI: AN EVER PRESENT DANGER

Presenter: Colleen 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 have: (1) Reviewed recent data on the prevalence of Transfusion Related Acute Lung Injury; (2) Examined the proposed mechanisms for the development of TRALI; and (3) Discussed data on lung injury as it relates to perioperative red cell and component transfusion.

RCL-05 • 3:00 – 3:55 pm

LIES, DAMN LIES AND ANESTHETIC MYTHS

Presenter: John F. Butterworth, IV, MD, *Professor and Chair, Department of Anesthesiology, VCU School of Medicine, Richmond, Virginia*

LEARNER OBJECTIVES: This lecture examines commonly held beliefs in the practice of anesthesia. After participating in this activity, the learner will be: (1) Made aware of the limited data that support seemingly well-established clinical practices; and (2) Will retain a healthy skepticism about the scientific underpinnings of common anesthetic preferences, practices and traditions.

RCL-06 • 4:00 – 4:55 pm

PEDIATRIC AIRWAY MANAGEMENT: CONGENITAL ANOMALIES THAT CAN MAKE YOUR LIFE DIFFICULT!

Presenter: Santhanam Suresh, MD, FAAP, *Vice Chairman and Director of Research and Pain Medicine, Children's Memorial Hospital, Professor of Anesthesiology and Pediatrics, Northwestern University, Chicago, Illinois*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Recognize common syndromes in children that lead to airway difficulty; (2) Postulate mechanisms for securing the airway; and (3) Identify an alternative source for airway intervention if original plan fails.

● Panels



P-01 • 10:00 – 11:30 am

SOCIETY FOR PEDIATRIC ANESTHESIA

Moderator: Nancy Glass, MD, MBA, *Professor, Pediatric Anesthesiology, Director, Pediatric Anesthesia Fellowship, Director, Pediatric Pain Service, Director, Anesthesia Education, Texas Children's Hospital, Houston, Texas*

Panelists:

• Trauma by the Numbers—Trauma Scores and Outcomes

Ira Todd Cohen, MD, MEd, FAAP, *Professor of Anesthesiology and Pediatrics, Director of Education, Department of Anesthesiology and Pain Medicine, Children's National Medical Center, Washington, DC*

• Neuroprotection in Pediatric Trauma—What's New?

Robert C. Tasker, MA, AM, MBBS, FRCP, MD, *Professor of Neurology and Anaesthesia (Pediatrics) Harvard Medical School, Chair in Neurocritical Care, Department of Neurology, Department of Anesthesiology, Perioperative and Pain Medicine, Division of Critical Care Medicine, Children's Hospital Boston, Boston, Massachusetts*

• Transfusion Therapy in Pediatric Trauma Victims

Franklyn P. Cladis, MD, FAAP, *Program Director, Pediatric Anesthesiology Fellowship, The Children's Hospital of Pittsburgh of UPMC, Pittsburgh, Pennsylvania*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the hemostatic considerations during transfusion therapy for pediatric trauma patients; (2) Describe blood conservation techniques during pediatric trauma; and (3) Discuss the role of a massive transfusion protocol for pediatric patients



P-02 • 1:00 – 2:30 pm

**THE MOCA® SIMULATION EXPERIENCE:
IMPROVING OUR PRACTICE**

Moderator: John P. Rask, MD, MA

Panelists:

Ken B. Johnson, MD, Professor, Department of Anesthesiology, Director, Center for Patient Simulation, University of Utah School of Medicine, Salt Lake City, Utah

Christine S. Park, MD, Assistant Professor, Department of Anesthesiology, Medical Director, Patient Safety Simulation Center, Northwestern University Feinberg School of Medicine, Chicago, Illinois

John P. Rask, MD, MA, Assistant Professor, Director, Simulation Education, Department of Anesthesiology and Critical Care Medicine, University of New Mexico School of Medicine, Albuquerque, New Mexico

Deborah J. Culley, MD, Assistant Professor, Harvard Medical School, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts

The American Board of Anesthesiology (ABA) instituted a simulation requirement in 2010 as a component of part IV of its Maintenance of Certification in Anesthesiology (MOCA®) program. The ABA has collaborated with the American Society of Anesthesiologists (ASA), through its Committee on Simulation Education, to design and implement a simulation experience that satisfies the requirement. The ASA organized its endorsed simulation centers into the Simulation Education Network (SEN), to deliver the required training. Panelists, who are both Committee and SEN members, will describe the endorsement of simulation centers, the goals of the simulation experience from the perspective of a participating ABA Diplomate, and the results obtained to date. The panelists will address frequently asked questions such as "Can I fail the simulation component?" "What should I study to prepare?" and "What is a practice improvement plan?" Feedback from simulation course attendees will be reviewed. Questions and comments are welcome.

LEARNER OBJECTIVES: After participating in this activity the learner will be able to: (1) Describe the ABA MOCA® simulation requirement; (2) Describe the key elements of a MOCA® simulation experience; (3) Explain how simulation can lead to practice improvement; (4) Evaluate how the MOCA® simulation experience has been received by participants; and (5) Evaluate the relevance of simulation training to their practice.

The target audience for this session is: (1) ABA Diplomates participating in MOCA® Time limited certification since 2000; and (2) Non-time limited certificate holders Simulation program directors and instructors.



P-03 • 1:00 – 2:30 pm

AVOIDING CATASTROPHES IN OBSTETRICS

Moderator: Maya S. Suresh, MD

Panelists:

• **ACOG Guidelines on VBAC and the Role of the Anesthesiologist**

C. LaToya Mason, MD, Assistant Professor of Anesthesiology, Baylor College of Medicine, Houston, Texas

• **Alert on Postpartum Hemorrhage:
Protocols, Preparation, Novel Therapies**

Yaakov (Jake) Beilin, MD, Professor of Anesthesiology, Professor of Obstetrics, Gynecology and Reproductive Science, Mount Sinai School of Medicine, New York, New York

• **Avoiding Airway Related Catastrophes in Obstetrical Patients**

Maya S. Suresh, MD, Professor and Chairman, Baylor College of Medicine, Division Chief Obstetric and Gynecology Anesthesiology, President of SOAP, President of SAM, Houston, Texas

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss the maternal morbidity and mortality statistics worldwide on hemorrhage; (2) Discuss protocols, radiological interventions, novel therapies and different types of anesthetic management; (3) Discuss the latest ACOG guidelines on Vaginal Birth after Cesarean section; (4) Discuss the recognition and management of uterine rupture; (5) Discuss the anesthesia-related maternal mortality in USA and UK due to induction and intubation problems; and maternal deaths related or associated with anesthesia at extubation and following emergence; (6) Discuss the Closed Claims Studies and highlight the airway-related issues related to extubation and emergence; and (7) Discuss strategies for management of difficult airway/failed intubation.



P-04 • 3:00 – 4:30 pm

INTERNATIONAL SOCIETY OF ANAESTHETIC PHARMACOLOGY

Panelists:

• The Pharmacy is Out of Fentanyl Again. What Do I Do?

Dhanesh K. Gupta, MD, *Associate Professor in Anesthesiology and Neurological Surgery, Northwestern University Feinberg School of Medicine, Chicago, Illinois*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Review the pharmacokinetics and pharmacodynamics of fentanyl, morphine, hydromorphone, and methadone; (2) Identify the effect-site concentration-time relationships for opioid analgesia and ventilatory depression; and (3) Use knowledge of opioid pharmacokinetic-pharmacodynamics to develop rational equi-effective dosing strategies.

• Developmental Neurotoxicity: Are the Narcotics Safe?

Vesna Jevtovic-Todorovic, MD, PhD, MBA, *Professor of Anesthesiology and Neuroscience, University of Virginia Health System, Charlottesville, Virginia*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Review presently available animal literature regarding the effects of early exposure to commonly used opioids on the developing animal brain; (2) Review presently available clinical findings regarding potentially neurotoxic effects of prolonged exposure to opioids during early stages of human brain development; and (3) Discuss future directions of research aimed at understanding the long term effects of opioid use during early childhood (especially during neonatal period).

• An Emerging Paradigm In Neuropathic Pain: Targeting The Inflamed Glial Cells

Mohamed Naguib, MB, BCh, MSc, FRCSE, MD, *Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland, Ohio*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss the role of glial cells in mediating neuroinflammatory response in neuropathic pain; (2) Review the role of cannabinoids receptor type 2 (CB2) agonists in modulating glial activation and preventing neuropathic pain; and (3) Discuss the limitations of CB1 agonists in the setting of neuropathic pain.

IARS Networking Reception

**Saturday, May 19
6:30 – 7:30 pm**

4th Floor Foyer, Marriott

Join your colleagues for this complimentary reception — relax and unwind, build new relationships, renew old acquaintances, and meet with the IARS Board of Trustees and the Editorial Board of *Anesthesia & Analgesia*. Cocktails and hors d'oeuvres will be served. We look forward to seeing you there!

DAILY SCHEDULE AT-A-GLANCE

6:00 am – 5:30 pm Registration

7:00 am – 8:00 am Problem-Based Learning Discussions

8:00 am – 11:30 am Resident Symposium

8:00 am – 6:00 pm Concurrent Education Sessions

- Review Course Lectures
- Panels
- Workshops
- Moderated Poster Discussion Rounds

6:30 - 7:30 pm Networking Reception

7:00 am - 1:00 pm Tabletop Exhibits

● Problem-Based Learning Discussions



PBLD-01 • 7:00 – 8:00 am

CONCERNED ABOUT THE CERVICAL SPINE – “SO HOW WILL YOU INTUBATE?”

Moderator: Rafi Avitsian, MD, *Section Head, Neurosurgical Anesthesiology, Neuroanesthesia Fellowship, Program Director, Associate Professor of Anesthesiology and Staff Anesthesiologist, Anesthesiology Institute Cleveland Clinic, Cleveland, Ohio*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Review the anatomy of the cervical spine, its changes with aging and pathologic states; (2) Recognize the important anesthetic consideration in patients with pathologic cervical spine; (3) Assess the extent of cervical spine movement during intubation with different methods; and (4) Design an induction and intubation plan for patients with concerned cervical spine.



PBLD-03 • 7:00 – 8:00 am

ANESTHESIA IN AN ORTHOPEDIC OUTPATIENT SURGERY CENTER: SYRINGE PUMP VERSUS VAPORIZER. IS TOTAL INTRAVENOUS ANESTHESIA A COSTLY GIMMICK OR WORTH THE HASSLE?

Moderator: Ken B. Johnson, MD, *Professor, Department of Anesthesiology, University of Utah, Salt Lake City, Utah*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss the pros and cons of combined techniques using inhalational versus intravenous agents; and (2) Explore the clinical pharmacology, techniques, equipment requirements, cost, risk of awareness, prolonged emergence, PONV, patient satisfaction, and user satisfaction for each technique.



PBLD-02 • 7:00 – 8:00 am

DRUG-INDUCED RESPIRATORY DEPRESSION: MISHAPS AND LIABILITY

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

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Be aware of the association between OSA and critical post-operative respiratory arrest; (2) Decide if oxygen administration is beneficial or detrimental to patient monitoring after surgery; (3) Identify the role of pulse oximetry v. capnography; (4) Describe how communication failure contributed to the patient outcomes; and (5) Review the recommendations of the APSF for monitoring patients receiving PCA narcotics.

PBLD-04 • 7:00 – 8:00 am

AIRWAY CASES FROM HADES!

Moderator: D. John Doyle, MD, PhD, *Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Staff Anesthesiologist, Department of General Anesthesiology, Cleveland Clinic Foundation, Cleveland, Ohio*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the role of the ASA difficult airway algorithm in managing difficult airway cases; and (2) Discuss the role of new airway technologies such as video laryngoscopy in the management of the difficult airway.

● Review Course Lectures

RCL-07 • 8:00 – 8:55 am

COAGULATION COCKTAILS: HELPFUL HINTS AND HARD DATA FOR PERIOPERATIVE BLEEDING

Presenter: Jerrold H. Levy, MD, FAHA, Professor and Deputy Chair for Research, Emory University School of Medicine, Cardiothoracic Anesthesiology and Critical Care Emory Healthcare, Atlanta, Georgia

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Summarize the pharmacologic therapies that affect hemostasis and the coagulation system; (2) Review the role of perioperatively acquired disorders of coagulation and implications for bleeding; (3) Identify the new anticoagulation agents recently approved and their perioperative management; and (4) Discuss pharmacologic strategies for decreasing postoperative bleeding, reducing transfusion coagulopathy, and reversing anticoagulation.

RCL-08 • 9:00 – 9:55 am

CRITICAL CARE UPDATE: 2012

- **Veno-venous and veno-arterial ECMO: Why, what and when?**
- **Update on VADs and the total artificial heart: Getting closer to lift off?**
- **Ultrasound in the ICU: Opening new windows?**
- **Renal biomarkers: A troponin for the kidney?**

Presenter: Robert N. Sladen, MBChB, FCCM, Professor and Executive Vice Chair of Anesthesiology and Chief, Division of Critical Care, Department of Anesthesiology, 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) Recognize the physiology and current application of veno-venous and veno-arterial ECMO in acute respiratory failure and circulatory shock; (2) Discuss the current applications of ventricular assist devices and the total artificial heart as bridge to recovery, transplantation or destination therapy; (3) Gain insight into the expanding role of bedside ultrasound and echocardiography in the ICU and its practice by intensivists; and (4) Recognize the promise and limitations of biomarkers in the early diagnosis of acute kidney injury.

RCL-09 • 10:00 – 10:55 am

MINIMALLY INVASIVE SURGERY: SURGEONS REPLACED BY ROBOTS?

Presenter: Robert J. Cerfolio, MD, Professor, Surgery, Chief of Section of Thoracic Surgery, JH Estes Endowed Chair for Lung Cancer Research, University of Alabama School of Medicine, Birmingham, Alabama

Presenter: Ralph Thomas Lysterly, III, MD, Assistant Professor, Department of Anesthesiology, University of Alabama School of Medicine, Birmingham, Alabama

LEARNER OBJECTIVES: Thoracic surgeons are rapidly learning robotics techniques for pulmonary resection. After participating in this activity, the learner will have reviewed: (1) How new technical maneuvers can speed the operation and shorten the learning curve; and (2) That prospective studies have shown that MIS reduces operative morbidity and mortality, as well as shortens recovery time and pain post-operatively.

RCL-10 • 11:00 – 11:55 am

NON-INVASIVE CARDIAC OUTPUT MONITORING: READY FOR PRIME-TIME?

Presenter: G. Burkhard Mackensen, MD, PhD, Professor and Chief, Division of Cardiothoracic Anesthesiology, UW Medicine Research and Education Endowed Professor in Anesthesiology, Department of Anesthesiology and Pain Medicine, UW Medicine Regional Heart University of Washington, Seattle, Washington

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the various means of non-invasive cardiac output monitoring; (2) Recognize the limitations of non-invasive cardiac output monitoring; and (3) Be aware of the clinical utility of non-invasive cardiac-output monitoring in comparison with pulmonary artery catheterization and transesophageal echocardiography.

RCL-11 • 1:00 – 1:55 pm

PERIOPERATIVE PAIN MANAGEMENT IN AMBULATORY SURGERY

Presenter: Spencer S. Liu, MD, Clinical Professor of Anesthesiology, Director of Acute Pain Service, Hospital for Special Surgery, New York, New York

LEARNER OBJECTIVES: After participating in this activity, the learner will have (1) Assessed the potential effects from a selection of different types of general anesthesia on postoperative analgesia; (2) Reviewed advantages and disadvantages of selecting general versus regional anesthesia on patient recovery and postoperative analgesia; (3) Identified benefits and disadvantages of continuous regional analgesia techniques for ambulatory surgery; and (4) Reviewed clinical pharmacology of multimodal analgesia agents.

● Review Course Lectures — continued

RCL-12 • 2:00 – 2:55 pm

WHY DO ‘SIMILAR’ PATIENTS HAVE DIFFERENT OUTCOMES?

Presenter: Debra A. Schwinn, MD, *Professor and Chair, Anesthesiology and Pain Medicine, Allan J. Treuer Endowed Professor in Anesthesiology, Adjunct Professor of Pharmacology and Genome Sciences, University of Washington, Seattle, Washington*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) List the difference between genetic and genomic medicine; (2) Describe how genetic variation potentially affects day-to-day care of perioperative patients; and (3) List drugs or medical conditions where genetic variability plays an important role in perioperative end organ injury or pain.

RCL-13 • 3:00 – 3:55 pm

UPDATE ON THE TREATMENT OF TRAUMATIC BRAIN INJURY

Presenter: Christian Werner, MD, *Professor and Chairman, Department of Anesthesiology, University Medical Center, Johannes Gutenberg-Universität, Mainz, Germany*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the pathophysiology of TBI; (2) Treat patients based on a homeostatic approach; (3) Apply an escalating algorithm of treatment modalities; and (4) Distinguish between evidence and expert treatment concepts of TBI.

RCL-14 • 4:00 – 4:55 pm

911 IN THE OBSTETRIC SUITE: MANAGEMENT STRATEGIES FOR OB EMERGENCIES

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

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify procedures and system changes for improving outcomes of obstetric hemorrhage; (2) Explain procedures and rationale for intrauterine resuscitation; (3) Identify systems for defining urgency of unscheduled cesarean deliveries (decision to delivery interval); and (4) Explain the rationale for various anesthesia care plans for urgent deliveries.

RCL-15 • 5:00 – 5:55 pm

LINK BETWEEN ACUTE AND CHRONIC PAIN

Presenter: James P. Rathmell, MD, *Chief, Division of Pain Medicine; Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Associate Professor, Harvard Medical School, Boston, Massachusetts*

● Panels

P-05 • 8:00 – 9:30 am

PERIOPERATIVE EVIDENCE-BASED DECISION MAKING AND KNOWLEDGE TRANSLATION – INTERACTIVE PANEL

Co-Moderators:

Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS, *Distinguished University Professor Chair/Chief, Department of Anesthesia and Perioperative Medicine, London Health Sciences Centre and St. Joseph Health Care, University of Western Ontario, London, Ontario, Canada*

Janet Martin, PharmD, MSc (HTA&M), *Director, High Impact Technology Evaluation Centre Co-Director, Evidence-Based Perioperative Clinical Outcomes Research Unit, Assistant Professor, Departments of Medicine, Anesthesia and Perioperative Medicine, London Health Sciences Centre, University of Western Ontario, London, Ontario, Canada*

Interactive Panel:

- **How to Find, Interpret and Apply the Evidence: Statistics – What to Acknowledge and What to Ignore.**
– Dr. Janet Martin

- **EBM, EBDM, CER and HTA – From Evidence to Guideline Development and Knowledge Translation – Examples from Blood Management.**
– Dr. Davy Cheng

- **Putting it into Action: Case Studies Involving Recent Evidence Regarding Inhaled Nitric Oxide, Acute Normovolemic Hemodilution, Erythropoietin and Iron.**
– Drs. Martin and Cheng

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the steps of progression from beginner levels of how to achieve EBM (5 steps from identifying the question through identifying and applying the evidence), to advanced applications of EBM (how to find and filter copious evidence, how to evaluate study quality, how to extract important numbers to indicate magnitude and precision of effect, how to manage conflicting evidence, which statistical terms to trust, and how to contextualize the findings); (2) Compare and contrast EBM with health technology assessment (HTA), comparative effectiveness review (CER), clinical practice guidelines (CPG), and knowledge translation (KT); and (3) Demonstrate the above concepts in action by applying the concepts to case studies from the real world setting.

IARS RESIDENT SYMPOSIUM

8:00 - 11:30 am

FOCUS ON: RESIDENT EDUCATION AND ADVANCEMENT

MODERATOR

Colleen 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

PRESENTERS

- **Getting Your Work Published!**

Steven L. Shafer, MD, Professor of Anesthesiology, Columbia University, New York, New York, Editor-In-Chief, *Anesthesia & Analgesia*

- **Resident Education - Learning and Training**

Edward C. Nemergut, MD, Associate Professor of Anesthesiology and Neurological Surgery, University of Virginia Department of Anesthesiology Charlottesville, Virginia

- **Professional Development in Education**

Christine S. Park, MD, Assistant Professor, Department of Anesthesiology, Medical Director, Patient Safety Simulation Center, Northwestern University Feinberg School of Medicine, Chicago, Illinois

- **Incorporating Technology Into Education and Learning**

Lawrence Chu, MD, MS, Associate Professor, Department of Anesthesia, Director, Stanford Anesthesia Informatics and Media Lab, Stanford Hospital and Clinics, Lucile Packard Children's Hospital, Stanford, California

- **So the Last Will Be The First: Why is Systems Based Practice the True Core Competency?**

Ruben J. Azocar, MD, Vice Chair for Education and Simulation and Residency Program Director, Department of Anesthesiology, Boston Medical Center, Associate Professor, Boston University School of Medicine, President, Massachusetts Society of Anesthesiologists

- **Personal and Professional Life Balance**

John F. Butterworth, IV, MD, Professor and Chair, Department of Anesthesiology, VCU School of Medicine, Richmond, Virginia

BEST OF RESIDENT ORAL ABSTRACT JUDGING SESSION

JUDGES

Colleen Koch, MD, MS, MBA, FACC, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland Clinic, Cleveland, Ohio

James G. Ramsay, MD, Emory University, Atlanta, Georgia

Debra A. Schwinn, MD, University of Washington, Seattle, Washington

Santhanam Suresh, MD, FAAP, Northwestern University, Chicago, Illinois

Denise J. Wedel, MD, Mayo Clinic, Rochester, Minnesota

See Next Page for Resident Finalists

● Panels — continued



P-06 • 10:00 – 11:30 am

APSF SAFETY PANEL OR MEDICATION SAFETY: MISHAPS, MISSTEPS, AND (MIS) MANAGEMENT

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

Panelists:

Sorin J. Brull, MD, FCARCSI (Hon), *Professor of Anesthesiology, Mayo Clinic College of Medicine, Jacksonville, Florida*

- Is residual NMB weakness a real problem in PACU?
- Do patients suffer complications as a result of residual weakness?
- Why won't anesthesiologists use twitch monitoring?
- How can we improve our practice with NMB drugs?

LEARNER OBJECTIVES: After participating in this activity, the learner will: (1) Be aware of the incidence of residual neuromuscular paralysis in the PACU; (2) Review the complications from residual neuromuscular paralysis; (3) Identify why anesthesiologists do not use neuromuscular monitors; (4) Describe the difference between "nerve stimulators" and "neuromuscular monitors"; and (5) Identify ways to improve our perioperative practice when using neuromuscular blocking agents.

Luke S. Theilken, MD, *Instructor in Anesthesiology, Department of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois*

- How do we define a drug shortage and how does this occur?
- Drug shortages in the OR – What's happening now and what's next?
- Are patients put at risk when key drugs are 'on back order'?
- Can counterfeit drugs make their way into your OR?
- What is the government's policy to handle drug shortages?

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Define a drug shortage and explain how a drug shortage can occur; (2) Review the current status of drug shortages in the OR and discuss what steps should follow; (3) Discuss the risk and implications to patient safety when drugs are on "back order"; (4) Describe how counterfeit drugs can make their way into the OR; and (5) Identify governmental policy and current regulation to handle drug shortages.

P-06 CONTINUED

Steven L. Shafer, MD, *Professor of Anesthesiology, Columbia University, New York, New York, Editor-In-Chief, Anesthesia and Analgesia*

- Use and abuse of propofol and other major Rx used every day in the OR
- Is propofol virtually "foolproof"?
- How safe is this drug? How do providers misuse it?

LEARNER OBJECTIVES: After participating in this activity, the learner will: (1) Be aware of the incidence and examples of medication mishaps in the OR; (2) Review the limitations of current monitoring techniques; (3) Describe the contribution of education failure to propagation of assessment myths; (4) Recognize contributors to medication errors such as drug shortages and pharmacy substitution(s); (5) Identify how 'production pressure' contributes to medication errors; (6) Investigate if propofol is virtually "foolproof"; and (7) Identify things you don't know about propofol – but should!



P-07 • 1:00 – 2:30 pm

TRAUMATIC BRAIN INJURY – FROM IMPACT TO THE ICU

Moderator: Jeffrey J. Pasternak, MD, *Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota*

Panelists:

- **Critical Factors in Early TBI Management: Pre-hospital and Emergency Department Care**

David W. Wright, MD, *Associate Professor of Emergency Medicine, Emory University School of Medicine, Atlanta, Georgia*

- **Traumatic Brain Injury: Intraoperative and Anesthetic Considerations**

Deepak Sharma, MBBS, MD, *Assistant Professor of Anesthesiology, University of Washington, Seattle, Washington*

- **Beyond the Bolt – The Role of Multimodal Monitoring in Traumatic Brain Injury**

Martin Smith, MBBS, FRCA, FFICM, *Consultant and Honorary Professor in Neuroanesthesia and Neurocritical Care University College London Hospitals, London, England*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Appreciate the strategies utilized for pre-hospital care of the acute brain injured patient; (2) Compare and contrast issues specific to the perioperative care of both the adult and pediatric brain injury patient; (3) Review the role of critical care management in the outcome following brain injury; and (4) Recognize the utility of invasive monitoring in the brain injured patient.

P-08 • 1:00 – 3:00 pm

OpenAnesthesia.org

OPENANESTHESIA EDUCATION PANEL: NEW METHODS TO TRAIN BETTER DOCTORS

Moderator: Edward C. Nemergut, MD

- **Using Simulation to Teach Professionalism and Communication**

May C. Pian-Smith, MD, *Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts*

- **Fidelity in Simulation Matters, and Sometimes Less is More**

Christine S. Park, MD, *Assistant Professor, Department of Anesthesiology, Medical Director, Patient Safety Simulation Center, Northwestern University Feinberg School of Medicine, Chicago, Illinois*

- **A Multi-Modal Course to Introduce Residents to Cardiac Anesthesia**

Julie L. Huffmyer, MD, *Assistant Professor, Department of Anesthesiology, University of Virginia, Charlottesville, Virginia*

- **New Web-Based Teaching Tools**

Edward C. Nemergut, MD, *Associate Professor of Anesthesiology and Neurological Surgery, University of Virginia Department of Anesthesiology, Charlottesville, Virginia*

LEARNER OBJECTIVES: After participating in this activity, the learner will: (1) Identify how to use simulation to help residents to become more effective and professional communicators; (2) Appreciate the advantage of low-fidelity approaches to simulation and how these technologies can improve resident training; (3) Describe how to design an effective curriculum to introduce residents to cardiac anesthesia; and (4) Gain insight about how new web-based teaching tools can enhance clinical training and facilitate self-directed learning and study.



P-09 • 3:00 – 4:30 pm

MONITORING DURING CARDIAC SURGERY: WHAT IS “STATE-OF-THE-ART”?

Moderator: Charles W. Hogue, MD

Panelists:

- **Cardiac Monitoring for Cardiac Surgery in the Era of Health Reform: The Good, the Bad, the Expensive**

Martin J. London, MD, *Professor of Clinical Anesthesia, University of California, San Francisco, California*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Appreciate current evidence based recommendations for cardiac monitoring (ECG, PAC, TEE) in the 2011 ACCF/AHA CABG Guidelines; (2) Evaluate more recent data not included in the Guidelines; (3) Develop a strategy for cost-effective monitoring in their practice environment.

- **NIRS Monitoring During Cardiac Surgery: Present and Future**

Charles W. Hogue, MD, *Professor, Anesthesiology and Critical Care Medicine, Chief, Division of Adult Anesthesia, The Johns Hopkins University School of Medicine, The Johns Hopkins Hospital, Baltimore, Maryland*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the basic concepts of near infrared spectroscopy monitoring and how to manage patients when the cerebral saturation declines; (2) Appreciate the current level of evidence supporting the use of near infrared spectroscopy; and (3) Be familiar with new advances in patient monitoring based on near infrared spectroscopy.

Jerrold H. Levy, MD, FAHA, *Professor and Deputy Chair for Research, Emory University School of Medicine, Cardiothoracic Anesthesiology and Critical Care Emory Healthcare, Atlanta, Georgia*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the different methods to monitor hemostasis and coagulation perioperatively in cardiac surgery; (2) Understand the different coagulation tests and their clinical implications; and (3) Evaluate the role of these tests in perioperative hemostatic management.



P-10 • 4:30 – 6:00 pm

**DILEMMAS IN PERIOPERATIVE CRITICAL CARE ANESTHESIOLOGY:
AN INTERACTIVE PANEL DISCUSSION WITH AUDIENCE
RESPONSE***

Moderator: Avery Tung, MD

Panelists:

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

Robert N. Sladen, MBChB, FCCM, Professor and Executive Vice Chair of Anesthesiology and Chief, Division of Critical Care, Department of Anesthesiology, College of Physicians and Surgeons of Columbia University, New York, New York

Aryeh Shander, MD, FCCM, FCCP, Chief Department of Anesthesiology Critical Care Medicine, Pain Management and Hyperbaric Medicine, Englewood Hospital and Medical Center, Englewood, New Jersey

Daniel R. Brown, MD, PhD, FCCM, Associate Professor of Anesthesiology, Chair, Division of Critical Care Medicine, Department of Anesthesiology, Mayo Clinic, Rochester, Minnesota

LEARNER OBJECTIVES: After participating in this activity, which will include audience response, literature review, and expert panel discussion, learners attending this session will use a case-based format to review existing literature and current clinical practice on the following controversies in anesthesia for high risk surgery: (1) Preoperative management of a bare metal coronary stent; (2) Perioperative management of asymptomatic aspiration; (3) Perioperative management of difficult central venous access; (4) Perioperative dilemmas in vasopressor and inotrope use for hepatic surgery; and (5) Thresholds for postoperative extubation.

**Note: attendees will be provided with audience feedback units and will be encouraged to participate in a real-time audience Q&A.*

● **Workshops**

W-01 • 8:00 am – 12:00 pm

ADVANCED ULTRASOUND GUIDED NERVE BLOCK*

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

Workshop presenters:

• **Neuraxial Space and Lumbar Plexus**

Sugantha Ganapathy, MD, FRCPC, Professor, Director, Regional and Pain Research, University of Western Ontario, London, Ontario, Canada

• **Thoracic Paravertebral Space and Parasacral Sciatic Nerve**

Jacques E. Chelly, MD, PhD, MBA, Professor, Department of Anesthesiology, University of Pittsburgh, Posner Pain Center, Aiken Medical Building, Pittsburgh, Pennsylvania

• **Sciatic Nerve (Transgluteal, Subgluteal, Anterior Approaches)**

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

• **Abdominal Wall and Trunk – (Ilioinguinal, Iliohypogastric, Obturator and Saphenous Nerves, Transversus Abdominis Plane and Rectus Sheath)**

Vicki E. Modest, MD, Instructor, Department of Anesthesia, Critical Care and Pain Medicine Massachusetts General Hospital, Boston, Massachusetts

This workshop will provide hands-on experience in scanning:

- Neuraxial space
- Thoracic and lumbar paravertebral spaces
- Sciatic Nerve (Parasacral, Transgluteal, Subgluteal, Anterior Approaches)
- Abdominal Wall and Trunk (Ilioinguinal, Iliohypogastric, Obturator and Saphenous Nerves, Transversus Abdominis Plane, and Rectus Sheath)
- Abdominal Wall and Trunk (Ilioinguinal, Iliohypogastric, Transversus Abdominis Plane, Rectus Sheath)

LEARNER OBJECTIVES: Upon completion of this Advanced Ultrasound Workshop, participants 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.

**Note: W-01 is an advanced course in ultrasound. Basic topics such as machine operation, blockade of the brachial plexus, femoral nerve, popliteal sciatic nerve and ankle will not be covered in this session.*

W-02 • 2:00 – 5:00 pm

TEE WORKSHOP – BASICS AND BEYOND!

Workshop Leader: Roman M. Sniecinski, MD, FASE,
*Assistant Professor of Anesthesiology, Department of
Anesthesiology, Division of Cardiothoracic Anesthesia, Emory
University School of Medicine, Atlanta, Georgia*

Workshop presenters:

Nikolas Skubas, MD, FASE, *Associate Professor of
Anesthesiology, Director, Cardiac Anesthesia, Weill Cornell
Medical College - New York-Presbyterian Hospital, New York,
New York*

Douglas C. Shook, MD, *Department of Anesthesiology,
Perioperative and Pain Medicine, Program Director,
Cardiothoracic Anesthesia Fellowship, Brigham and Women's
Hospital, Boston, Massachusetts*

Charles B. Nyman, MBBCh, *Anesthesiology, Perioperative
and Pain Medicine, Brigham and Women's Hospital, Boston,
Massachusetts*

TEE Workshop Overview – This three-hour workshop will provide both lecture portions and hands-on instruction in a two part presentation for both novices and intermediate level learners in echocardiography. The goal will be to highlight how basic skills in ultrasound can improve patient care in non-cardiac surgery.

- **Part-1: Basic TEE** – The first part of the workshop will be framed for the general anesthesiologist in search of a basic understanding of echocardiography with particular attention to TEE. Basic imaging concepts, anatomy, and patient safety will be presented.
- **Part-2: Beyond the Basics** – After establishing some basic principles in Part 1, the participant will move on toward applying these concepts to patient care. The second part of the workshop will include some hands-on participation and discussion of multiple case-based scenarios.

**Introducing
Party with a Purpose**

**Sunday, May 20
6:30 pm**

‘Party with a Purpose’ during the 2012 Annual Meeting at the IARS fundraising dinner to help raise awareness of and support for anesthesia research. Guests will enjoy a fun filled evening with good food, live music, and entertainment.

Tickets can be purchased at the Annual Meeting Registration Desk.

DAILY SCHEDULE AT-A-GLANCE

6:30 am – 5:30 pm	Registration	9:00 am – 12:00 pm	Clinical Research Symposium
7:00 am – 8:00 am	Problem-Based Learning Discussions	1:30 pm – 2:30 pm	Best of Meeting Abstract Awards
8:00 am – 5:00 pm	Concurrent Education Sessions <ul style="list-style-type: none"> • Review Course Lectures • Panels • Workshops • Moderated Poster Discussion Rounds 	2:30 pm – 4:00 pm	Kosaka Abstract Awards
7:00 am - 1:00 pm Tabletop Exhibits		6:30 – 10:00 pm	'Party with a Purpose' Fundraiser <i>Westin Copley Place</i>

● Problem-Based Learning Discussions



PBLD-01 • 7:00 – 8:00 am
8 Y/O DIABETIC ON AN INSULIN PUMP FOR TONSIL SURGERY

Moderator: Steven Butz, MD, Associate Professor of Anesthesiology, Medical College of Wisconsin, Medical Director, Surgicenter of Greater Milwaukee, Milwaukee, Wisconsin

LEARNER OBJECTIVES: (1) Identify how to approach a patient on an insulin pump; (2) Numerate specific concerns for a patient with diabetes having ambulatory surgery and solutions to them; (3) Identify issues specific to pediatric tonsillectomy surgery, evaluate them, and create an anesthetic plan to address them.



Liver Intensive Care
Group of Europe

PBLD-02 • 7:00 – 8:00 am
HOW MUCH LIVER IS ENOUGH?

Moderator: 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) Recognize the effect of liver resection on hepatic function; (2) Appreciate the difference of liver function and injury and how they may affect outcome after liver resection; (3) Comprehend different surgical techniques and how they impact the hemodynamic management during liver resections; and (4) Appreciate possible interventions to minimize hepatic injury during liver resection.



PBLD-03 • 7:00 – 8:00 am
VIDEO TECHNOLOGY IN LARYNGOSCOPY AND INTUBATION: WHAT, WHERE, WHEN AND WHY

Moderator: D. John Doyle, MD, PhD, Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Staff Anesthesiologist, Department of General Anesthesiology, Cleveland Clinic Foundation, Cleveland, Ohio

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss the role of video laryngoscopy in routine anesthesia cases; (2) Discuss the role of video laryngoscopy in potential difficult airway cases; and (3) Identify the changes to the ASA difficult airway algorithm (last published in 2003) that should be made in the next edition to reflect the changes introduced by video laryngoscopy.

PBLD-04 • 7:00 – 8:00 am

HEMODYNAMIC MONITORING IN 2012

Moderator: Ruben J. Azocar, MD, Vice Chair for Education and Simulation Residency Program Director, Department of Anesthesiology, Boston Medical Center, Associate Professor, Boston University School of Medicine, President, Massachusetts Society of Anesthesiologists, Boston, Massachusetts

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss the importance of hemodynamic monitoring in high-risk patients; (2) Describe the physiological principles behind newer hemodynamic monitors; and (3) Summarize the data supporting the use of newer hemodynamic monitors.

● Review Course Lectures

RCL-16 • 8:00 – 8:55 am

PEDIATRIC ANESTHESIA: LITTLE PEOPLE WITH LOTS OF PROBLEMS!

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

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Assess the issues of anesthesia related neurotoxicity in children; (2) Review the pathophysiology of sleep apnea in children; and (3) Review the anesthetic management of children with sleep apnea.

RCL-17 • 9:00 – 9:55 am

PERIOPERATIVE LUNG PROTECTIVE STRATEGIES: ARE THEY WORTH THE TROUBLE?

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) Identify the patients at risk for perioperative lung injury; (2) Review the principles of protective ventilation; (3) Identify the anesthetic factors in the perioperative period that contribute to lung injury; and (4) Appreciate new advances in therapy for perioperative lung injury.

RCL-18 • 10:00 – 10:55 am

SIZE MATTERS: PERIOPERATIVE MANAGEMENT OF THE MORBIDLY OBESE

Presenter: Frances Chung, MBBS, FRCPC, Professor, Department of Anesthesiology, University of Toronto Medical Director, Ambulatory Surgical Unit and Combined Surgical Unit Toronto Western Hospital, University Health Network, Toronto, Ontario, Canada

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-19 • 11:00 – 11:55 am

READING YOUR MIND: MONITORING THE BRAIN UNDER ANESTHESIA

Presenter: Michael S. Avidan, MBBCh, FCASA, Professor of Anesthesiology and Cardiothoracic 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

LEARNER OBJECTIVES: After participating in this activity, the learner will have reviewed and discussed: (1) Why monitor the brain; (2) Introduction to the EEG; (3) Features of an "ideal" depth of anesthesia (DOA) monitor; (4) Why current processed EEG monitors (pEEGs) are limited as candidate DOA monitors; (5) Meaningful information from the raw EEG; (6) EEG features and prognosis; (7) Better candidate pEEG approaches; and (8) Going forward with EEG monitoring.

RCL-20 • 1:00 – 1:55 pm

ANESTHESIA AND THE COMPLEX EP PATIENT: DO ANESTHETIC TECHNIQUES MATTER?

Presenter: Aman Mahajan, MD, PhD, FAHA, Professor and Vice-Chair, Acute Care Medicine Chief, Cardiothoracic Anesthesiology Director, UCLA Interventional Cardiovascular Operations Co-Director, UCLA Cardiac Arrhythmia Center David Geffen School of Medicine at UCLA, Los Angeles, California

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the effects of anesthetics on cardiac electrophysiology; (2) Review the role of general anesthesia and MAC in management of clinical EP procedures – AF/VT ablations; and (3) Review the use of central and peripheral autonomic blockade in managing VT.

RCL-21 • 2:00 – 2:55 pm

HERBAL MEDICINES IN ANESTHETIC PRACTICE

Presenter: Tony Gin, FANZCA, FRCA, MD, Professor and Chairman, Department of Anaesthesia and Intensive Care, Chinese University of Hong Kong, Prince of Wales Hospital, Shatin, Hong Kong, China

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Appreciate historical aspects of herbal medicines as adjuvants to anesthesia; (2) Identify potential interactions between common herbal medicines and anesthesia; and (3) Review recommendations for stopping (or continuing) herbal medicines.

*Sessions and presenters listed are as of
press time and subject to change.*

● Review Course Lectures — continued

RCL-22 • 3:00 – 3:55 pm

THE POOR MAN'S EPIDURAL: SYSTEMIC LOCAL ANESTHETICS AND SURGICAL OUTCOMES

Presenter: Marcel E. Durieux, MD, PhD, *Professor, Departments of Anesthesiology and Neurological Surgery, University of Virginia, Charlottesville, Virginia*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the effects of systemic local anesthetics on inflammatory signaling; (2) Describe the effects of systemic local anesthetics on experimental and postoperative pain; and (3) Discuss the beneficial actions of systemic local anesthetics on postoperative recovery.

RCL-23 • 4:00 – 4:55 pm

WHAT TO DO: CONTROVERSIAL CASE STUDIES IN REGIONAL ANESTHESIA

Presenters:

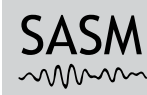
John F. Butterworth, IV, MD, *Professor and Chair, Department of Anesthesiology, VCU School of Medicine, Richmond, Virginia*

James R. Hebl, MD, *Associate Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota*

Denise J. Wedel, MD, *Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify controversial practice areas in regional anesthesia and determine how to proceed based on current data; (2) Diagnose and manage complications related to higher risk procedures in regional anesthesia; and (3) Avoid complications when possible by weighing risk/benefit in controversial procedures.

● Panels



P-11 • 8:00 – 9:30 am

OSA PATIENT AND ANESTHESIA – A CLINICAL CHALLENGE

Moderator: Frances Chung, MBBS, FRCPC

Panelists:

• Upper Airway, OSA and Anesthesia

David Hillman, MBBS, FANZCA, FRCP (Edin), FRACP (Hon), *Head, Department of Pulmonary Physiology and Sleep Medicine, Director, West Australian Sleep Disorders Research Institute, Sir Charles Gairdner Hospital, Perth, Australia*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the influences of sleep and anesthesia on upper airway patency; and (2) Examine the common factors predisposing to upper airway obstruction during sleep and to difficulties with perioperative airway management.

• The Approach to STOP-Bang Questionnaire – What and How?

Frances Chung, MBBS, FRCPC, *Professor, Department of Anesthesiology, University of Toronto Medical Director, Ambulatory Surgical Unit and Combined Surgical Unit Toronto Western Hospital, University Health Network, Toronto, Ontario, Canada*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Appraise STOP-Bang questionnaire and how to use it properly for screening; and (2) Formulate algorithms for the perioperative management of OSA patients.

• OSA and Perioperative Complications: What Do We Need to Know So Far?

Roop Kaw, MD, *Associate Professor of Medicine, Department of Hospital Medicine and Outcomes Research, Anesthesiology, Cleveland Clinic, Cleveland, Ohio*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Examine the strengths and weaknesses of evidence for perioperative risk from OSA from the available literature; and (2) Identify the reasons and a strategy for a novel risk stratification approach.

• Mechanisms and Methods of Perioperative Risk Modification in OSA – How Risk of These Complications Might be Mitigated

Satya-Krishna Ramachandran, MD FRCA, *Assistant Professor, Director of Quality Assurance and Post Anesthesia Care, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Examine potential mechanisms of perioperative adverse outcomes specific to OSA; and (2) Identify postoperative monitoring challenges and evaluate risk-modification using monitoring technology.

European
Society of
Anaesthesiology

ESA

9:00 am –
12:00 pm

CLINICAL RESEARCH SYMPOSIUM

THE ROLE OF SPECIALIST SOCIETIES IN CLINICAL OUTCOMES RESEARCH: HOW CAN THEY TAKE A LEAD?

Introduction: Why Clinical Outcomes Research?

Keith A. (Tony) Jones, MD, *Alfred Habeeb Professor and Chair, Department of Anesthesiology, University of Alabama, Birmingham, Alabama*

Cost Efficiency of Knowledge Generation: Observational vs. Interventional Trials

Andreas Hoeft, MD, PhD, *Professor, Department of Anesthesiology and Intensive Care Medicine, University Hospital Bonn, Bonn, Germany*

Why P Values, C Statistics and AUCs

Don't Matter a Hoot in Outcomes Research

Simon C. Body, MBChB, MPH, *Associate Professor in Anaesthesia, Harvard University, Boston, Massachusetts*

Variability of Surgical Outcomes in Europe (EUSOS)

Rupert Pearse, FRCA, MD, *Senior Lecturer and Consultant in Intensive Care Medicine, Centre for Translational Medicine and Therapeutics, William Harvey Research Institute, Barts and the London School of Medicine and Dentistry, Royal London Hospital, Whitechapel, London, United Kingdom*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify that low overall post-operative mortality rates conceal a sub-group at much greater risk; (2) Realize that we know little about incidence of poor surgical outcomes despite evidence of major impact on patients; (3) Identify variation in clinical outcomes following surgery suggest an opportunity to improve patient care; and (4) Know that it is possible to study this problem using very pragmatic research and audit.

Pulmonary Complications in Catalonia and in Europe (PERISCOPE)

Jaume Canet, MD, PhD, *Chairman of the Department of Anesthesiology and Postoperative Critical Care, Hospital Universitari Germans Trias i Pujol, Badalona, Barcelona, Spain*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Know what is the incidence of postoperative pulmonary complications in a general surgical population; (2) Identify and stratify the risk for postoperative pulmonary complications; and (3) Describe how to validate externally a score for predicting postoperative pulmonary complications.

How to Do an Interventional Study with Minimal Money (PROVHILO)

Marcus J. Schultz, MD, PhD, *Professor and Intensivist, Departments of Intensive Care and Anesthesiology, Academic Medical Center, University of Amsterdam, Amsterdam, Netherlands*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify why we need large clinical studies, (2) Discuss that next to RCTs, observational studies may change daily practice as well; and (3) Learn how to keep costs associated with (any type of large) studies as low as possible.

Continued --

Large Clinical Trials: A Dream or a Nightmare?

Lars S. Rasmussen, MD, PhD, *Department of Anesthesia, Centre of Orthopaedics, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify reasons for conducting large multicentre studies; (2) Describe how you can recruit well-performing centres; (3) Identify common problems and pitfalls of multicentre studies; and (4) Discuss authorship, disputes, and ownership.

Panel Discussion

Daniel I. Sessler, MD, *Michael Cudahy Professor and Chair, Department of Outcomes Research, Cleveland Clinic, Cleveland, Ohio*

● Panels — continued



P-12 • 10:00 – 11:00 am

ABA PROGRAMS FOR PRIMARY CERTIFICATION AND MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY (MOCA®)

Panelists:

Deborah J. Culley, MD, *Assistant Professor, Harvard Medical School, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, Massachusetts*

Santhanam Suresh, MD, FAAP, *Vice Chairman and Director of Research and Pain Medicine, Children's Memorial Hospital, Professor of Anesthesiology and Pediatrics, Northwestern University, Chicago, Illinois*

• Primary Certification

- Comparison of the Part 1 and Part 2 Examinations
- Overview of specific areas evaluated in the Part 2 Examination
- Outline of the Part 2 Examination process
- Identification of common problems encountered by candidates
- Discussion of the successful candidate of the Part 2 Examination

• Maintenance of Certification in Anesthesiology (MOCA®)

- Part 1: Assessments of Professional Standing (Medical Licensure)
- Part 2: Lifelong Learning and Self-Assessment (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

● Panels — continued



P-13 • 10:00 – 11:30 am

SAFETY IN AMBULATORY SURGERY

Moderator: Steven Butz, MD, Associate Professor of Anesthesiology, Medical College of Wisconsin, Medical Director, Surgicenter of Greater Milwaukee, Milwaukee, Wisconsin

Panelists:

• Accreditation

Beverly K. Philip, MD, Anesthesiologist, Brigham and Women's Hospital, Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts, Past President of SAMBA

• Outcome Registries

Lucinda L. Everett, MD, Chief – Pediatric Anesthesia, Massachusetts General Hospital; Associate Professor, Harvard Medical School, Boston, Massachusetts, Past President of SAMBA

• Obstructive Sleep Apnea

Girish P. Joshi, MBBS, MD, FFARCSI, Professor of Anesthesiology and Pain Management, Director of Perioperative Medicine and Ambulatory Anesthesia, University of Texas Southwestern Medical Center at Dallas, Dallas, Texas, Past President of SAMBA

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Recognize a connection between quality and accreditation, (2) Discuss how outcomes can be improved by database analysis, (3) Assess the risks of sleep apnea in ambulatory surgery, and (4) Identify appropriate selection of patient with OSA for ambulatory surgery.



P-14 • 1:00 – 2:30 pm

PEDIATRIC ANESTHESIA NEUROTOXICITY PANEL

Moderator: Randall Flick, MD, MPH, Affiliate Advisory Council Member, SmartTots, Associate Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota

Panelists:

• Anesthesia and the Developing Brain: What are Our Options?

Vesna Jevtovic-Todorovic, MD, PhD, MBA, Scientific Advisory Board Member, SmartTots, Professor of Anesthesiology and Neuroscience, University of Virginia Health System, Charlottesville, Virginia

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the mechanisms responsible for anesthesia-induced developmental neurotoxicity; (2) Focus on most vulnerable cellular targets responsible for anesthesia-induced neuronal death; and (3) Assess possible protective strategies which would enable safe use of anesthesia in our youngest patients.

P-14 CONTINUED

• Preclinical Neurotoxicity Assessments of Pediatric Anesthetics: Translational Approaches Using a Nonhuman Primate Model

Merle G. Paule, PhD, Scientific Advisory Board Member, SmartTots and Director, Division of Neurotoxicology, National Center for Toxicological Research, US Food and Drug Administration, Jefferson, Arkansas

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the vulnerable periods during the rapid growth of the brain during which general anesthetics are likely to have their most deleterious effects in rodent and primate models of development; (2) Describe the duration (weeks, months, years) over which the adverse effects of developmental exposures to general anesthesia on cognitive function have been shown to manifest in animal models; and (3) Describe in general the kinds of cognitive deficits that have been observed in animal models after single, albeit prolonged, episodes of general anesthesia during the brain growth spurt.

• Human Studies: Is There Evidence For An Association Between Anesthesia In Early Childhood and Neurobehavioral Outcome?

Andrew J. Davidson, MBBS, MD, FANZCA, Director of Clinical Research, Royal Children's Hospital, Senior Staff Anaesthetist, Department of Anaesthesia, Royal Children's Hospital; Associate Professor, Department of Paediatrics, University of Melbourne; Head of Anaesthesia Research, Murdoch Childrens Research Institute; Associate Editor, Anesthesiology; Section Editor, Pediatric Anesthesia

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the evidence for and against an association between anesthesia in early childhood and later neurobehavioral outcome in humans; (2) Identify the limitations in determining the strength of association; and (3) Discuss the difficulties in determining causation in these cohort studies.

• What is Needed to Resolve the Question of Whether Animal Studies Apply to Children?

David O. Warner, MD, Affiliate Advisory Council Member, SmartTots, Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Articulate the concept of translation as applied to the relationship between model and human studies; (2) Analyze the strengths and weaknesses of various study designs in this area; and (3) Formulate a conceptual research agenda to resolve this question.



Liver Intensive Care
Group of Europe

P-15 • 3:00 – 4:30 pm

**COAGULOPATHY AND THROMBOSIS:
THE YIN AND YANG OF LIVER FAILURE**

Moderator: Gebhard Wagener, MD

Panelists:

- **Coagulation and thrombosis:
Why do laboratory results not correlate with reality?**

Panelist: 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

- **What we learned about hypercoagulability from liver failure and transplantation.**

Robert J. Porte, MD, PhD, Professor of Surgery, Hepato-Pancreato-Biliary Surgery and Liver Transplantation, University Medical Center Groningen, Groningen, The Netherlands

- **When to transfuse what? Correcting coagulopathy without doing harm.**

Paul Picton, MD, MRCP, FRCA, Assistant Professor, Director, Transplant Anesthesia, Director, Vascular Anesthesia Medical Center, Ann Arbor, Michigan

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to (1) Identify coagulation and thrombosis; (2) Review what we learned about hypercoagulability from liver failure and transplantation; and (3) Recognize when to transfuse what – correcting coagulopathy without doing harm.

P-16 • 3:00 – 4:30 pm

CONTROVERSIES IN CLINICAL AIRWAY MANAGEMENT

Moderator: D. John Doyle, MD, PhD

Panelists:

- **Should the “Rapid Sequence Induction” Remain the “Standard of Care” in Full Stomach Patients?**

D. John Doyle, MD, PhD, Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Staff Anesthesiologist, Department of General Anesthesiology, Cleveland Clinic, Cleveland, Ohio

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the concept of “standard of care” and its medicolegal implications; and (2) Describe the debate surrounding the efficacy of cricoid pressure as a means of preventing regurgitation of gastric contents.

- **Comparing the ASA Difficult Airway Algorithm with Other Published Airway Algorithms**

Ling Qun Hu, MD, Assistant Professor of Anesthesiology, Northwestern University, Founder and Chief Executive Director, No Pain Labor N’ Delivery, Chicago, Illinois

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify the differences surrounding the definitions of difficult airway; and (2) Compare and contrast the differences among the guidelines regarding anticipated difficult airway, unanticipated difficult tracheal intubation, difficult mask ventilation, and cannot intubate cannot ventilate.

- **Where Does Video Laryngoscopy Fit Into Modern Clinical Airway Management?**

Michael T. Walsh, MD, Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, Minnesota

Learner Objectives: After participating in this activity, the learner will be able to: (1) Become familiar with the different types of video laryngoscopes and understand their advantages and disadvantages; (2) Describe the role of video laryngoscopes within the ASA Difficult Airway Algorithm; and (3) Describe how video laryngoscopes have changed the approach to airway management.

● Workshop

W-03 • 8:00 – 11:00 am

ULTRASOUND, SIMULATION AND STIMULATION FOR PERIPHERAL NERVE BLOCKS

Workshop Leader: Andrew D. Rosenberg, MD, Chief,
*Department of Anesthesiology, NYU Hospital for Joint Diseases,
Executive Vice Chair, Department of Anesthesiology, NYU School
of Medicine, Professor of Anesthesiology and Orthopedic Surgery,
New York, New York*

Workshop presenters:

**Robert A. Altman, MD, Clinical Associate Professor, New York
University Langone Medical Center, New York, New York**

**Michael Anderson, MD, Assistant Professor of Anesthesiology,
Mount Sinai School of Medicine, New York, New York**

**Levon M. Capan, MD, Professor, Vice Chair and Associate
Chief of Anesthesia, Department of Anesthesiology, New York
University Langone Medical Center, New York, New York**

**Vincent W.S. Chan, MD, FRCPC, Professor, Department of
Anesthesiology, University of Toronto, Toronto Western Hospital,
Toronto, Ontario, Canada**

**Jacques E. Chelly, MD, PhD, MBA, Professor of
Anesthesiology (with Tenure) and Orthopedic Surgery, Vice
Chair of Clinical Research, Director, Regional and Orthopedic
Fellowships Director, Division of Acute Interventional
Perioperative Pain and Regional Anesthesia Department of
Anesthesiology, University of Pittsburgh Medical Center, Director,
Acute Interventional Perioperative Pain, UPMC Presbyterian-
Shadyside Hospitals, Pittsburgh, Pennsylvania**

**Sudheer K. Jain, MD, FACC, Assistant Professor, Assistant
Clinical Director, Department of Anesthesiology, New York
University 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**

**Sunmi Kim, MD, Assistant Professor, 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**

**Santhanam Suresh, MD, FAAP, Vice Chairman and, Director
of Research and Pain Medicine, Children's Memorial Hospital,
Professor of Anesthesiology and Pediatrics, Northwestern
University, Chicago, Illinois**

**Daniel D. Wambold, MD, Anesthesiologist, Valley Hospital,
Ridgewood, New Jersey**

**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.

ABSTRACT AWARDS SESSION

BEST OF ABSTRACT MEETING AWARDS

1:00 – 2:30 pm

At this Award session, the six highest scoring abstracts, selected from over 500 total submissions representing patient-oriented research and basic science research will be presented to a panel of judges and attendees for review and award.

The abstracts judged the best patient-oriented research and the best basic science research will each receive a \$1,000 award.

KOSAKA ABSTRACT AWARDS

2:30 – 4:00 pm

Co-sponsored by the IARS and the Japan Society for Clinical Anesthesia (JSCA), the Kosaka Award will be presented to the best patient-oriented research abstract and the best basic science research abstract. An award of \$500 will be presented to both winners.

Three abstracts submitted by Japanese researchers along with three abstracts on matching topics submitted by international colleagues will be selected from over 500 submissions and presented to a panel of judges and attendees for review and award at this session.

The IARS gratefully acknowledges the support of the Japanese Society for Clinical Anesthesia (JSCA) and their contribution of \$1000 toward the award.

JUDGES

**Keith A. (Tony) Jones, MD, University of Alabama,
Birmingham, Alabama**

**Colleen Koch, MD, MS, MBA, FACC, Cleveland
Clinic Lerner College of Medicine of Case Western Reserve
University, Cleveland Clinic, Cleveland, Ohio**

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

**Santhanam Suresh, MD, FAAP, Children's Memorial
Hospital, and Northwestern University, Chicago, Illinois**

Best of Meeting Finalists

S-14 THE MINIMUM EFFECTIVE DOSE OF DEXAMETHASONE IN COMBINATION WITH MIDAZOLAM IN PATIENTS UNDERGOING LAPROSCOPIC CHOLECYSTECTOMY FOR PREVENTION OF POST OPERATIVE NAUSEA AND VOMITING

S. Srivastava, S. Dhiraaj, R. Gupta
Anesthesiology, SGPGIMS, Lucknow, India

S-57 PERIOPERATIVE USE OF THE GLUCOMMANDER® FOR GLUCOSE CONTROL IN PATIENTS UNDERGOING CARDIAC SURGERY

J. L. Huffmyer, F. E. Blum, D. S. Groves, E. C. Nemergut
Anesthesiology, University of Virginia, Charlottesville, VA

S-291 EXPOSURE OF TG2576 MICE TO ISOFLURANE RESULTS IN NO DETECTABLE INCREASE IN A β AMYLOID LOAD VIA [18F]AV45 PET IMAGING CONFIRMED WITH AUTORADIOGRAPHIC INVESTIGATION

C. Rowan¹, S. Kennel², R. M. Craft¹, J. Wall², E. Martin²
¹Department of Anesthesiology, University of Tennessee Graduate School of Medicine, Knoxville, TN; ²Preclinical and Diagnostic Molecular Imaging Laboratory, Department of Medicine, University of Tennessee Graduate School of Medicine, Knoxville, TN

S-41 IN VIVO FLUORESCENCE-MEDIATED TOMOGRAPHY IMAGING DEMONSTRATES ATORVASTATIN MEDIATED REDUCTION OF LESION MACROPHAGES IN APOE-DEFICIENT MICE

J. Larmann¹, T. Frenzel^{2,3}, P. Demmer¹, U. J. Tietge⁴, C. Bremer⁵, G. Theilmeier¹

¹Department of Anesthesiology and Intensive Care Medicine, Hannover Medical School, Hannover, Germany; ²Department of Anesthesiology and Intensive Care Medicine, University Hospital Muenster, Muenster, Germany; ³Institute for Anatomy, University of Muenster, Muenster, Germany; ⁴Department of Pediatrics, Center for Liver, Digestive, and Metabolic Diseases, University Medical Center Groningen, Groningen, Netherlands; ⁵Department of Clinical Radiology, University Hospital Muenster, Muenster, Germany

CC-131 AIRWAY MANAGEMENT IN LOW TRACHEAL TUMOUR – AN ANAESTHETIC CHALLENGE

S. Gombar, R. Jayant, U. Dalal
Anaesthesia, Government Medical College & Hospital Sector 32, Chandigarh, India; Surgery, Government Medical College & Hospital Sector 32, Chandigarh, India

S-406 CHRONIC MORPHINE ADMINISTRATION LEADS TO INCREASED NEUROAPOPTOSIS IN NEWBORN RATS

D. Bajic, K. G. Commons, S. G. Soriano
Department of Anesthesiology, Perioperative and Pain Medicine, Children's Hospital Boston, Boston, MA

Kosaka Awards Finalists

The Kosaka Abstract Forum was created to promote interaction between Japanese researchers and their scientific colleagues throughout the world in honor of Dr. Futami Kosaka who was the Chair and Professor of the Department of Anesthesiology and Resuscitology at Okayama University School of Medicine, Japan. Dr. Kosaka dedicated himself to establishing the America-Japan Anesthesia Congress in order to promote science in anesthesia and friendship between IARS and the Japan Society for Clinical Anesthesia.

Japanese Researcher Abstracts

1A

S-196 USEFULNESS OF ULTRASOUND GUIDED CENTRAL VENOUS INSERTION IS DEPENDENT ON THE DIFFERENT CLINICAL EXPERIENCES

T. Yorozu¹, Y. Shiokawa², K. Moriyama¹, Y. Ohashi²

¹Anesthesiology, Kyorin University School of Medicine, Mitaka, Tokyo, Japan; ²Neurosurgery, Kyorin University School of Medicine, Mitaka, Tokyo, Japan

2A

S-434 THE INHIBITORY EFFECTS OF KETAMINE ON SUBSTANCE P RECEPTOR IN U373 MG HUMAN ASTROCYTOMA CELLS

K. Yamaguchi

Tokyo, Japan

3A

S-477 CHARACTERISTICS OF TRANSIENT PARESTHESIA DURING EPIDURAL CATHETER PLACEMENT: THE INCIDENCE AND LOCATION OF PARESTHESIA ACCORDING TO THE VERTEBRAL LEVEL OF THE PUNCTURE

A. Ogura^{1,2}, M. Zenfuku², Y. Nakajima², T. Inoue³

¹Anesthesiology, Mizonokuchi Hospital, Teikyo University School of Medicine, Kawasaki, Japan; ²Anesthesiology, Shizuoka Red Cross Hospital, Shizuoka, Japan; ³Anesthesiology, Chiba-Hokusoh Hospital, Nippon Medical School, Chiba, Japan

Non-Japanese Researcher Abstracts

1B

S-197 DRUG ADMINISTRATION ERRORS DURING EPIDURAL OR SPINAL ANESTHESIA OR ANALGESIA

S. Patel

Anesthesia, The Pennine Acute NHS Trust, Rochdale, United Kingdom

2B

S-427 MODULATION OF δ SUBUNIT-CONTAINING GABAA RECEPTORS BY ETOMIDATE DEPENDS ON SUBUNIT ARRANGEMENT

S. A. Forman, H. Feng, Y. Jounaidi

Anesthesia Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, MA

3B

S-492 INTERPATIENT VARIABILITY IN INTRATHECAL DRUG DISTRIBUTION: CEREBROSPINAL FLUID PULSATILE MAGNITUDE, FREQUENCY, SOLUTION BARICITY, AND TOXICITY RISKS

Y. Hsu, A. Linninger

Department of Bioengineering, University of Illinois at Chicago, Chicago, IL

DAILY SCHEDULE AT-A-GLANCE

6:30 am – 11:30 am Registration

7:00 am – 8:00 am Problem-Based
Learning Discussions

8:00 am – 12:00pm Concurrent Education
Sessions

- Review Course Lectures
- Panels

● Problem-Based Learning Discussions

PBLD-01 • 7:00 – 8:00 am

INFECTIOUS COMPLICATIONS ASSOCIATED WITH REGIONAL ANESTHESIA

Moderator: James R. Hebl, MD, Associate Professor of
Anesthesiology, Mayo Clinic, Rochester, Minnesota

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Recognize the infectious risks of performing regional anesthesia in febrile or infected patients; (2) Identify the importance and implications of aseptic technique during regional anesthesia; (3) Recognize the infectious risks of performing regional anesthesia in immune compromised patients; and (4) Identify the risk factors associated with infectious complications of peripheral nerve catheters.



PBLD-03 • 7:00 – 8:00 am

DEALING WITH COAGULOPATHY AFTER CARDIOPULMONARY BYPASS

Moderator: Roman M. Sniecinski, MD, FASE, Assistant
Professor of Anesthesiology, Department of Anesthesiology,
Division of Cardiothoracic Anesthesia, Emory University School
of Medicine, Atlanta, Georgia

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify patients at high risk for post-CPB coagulopathy; (2) Discuss pros and cons of various transfusion approaches to non-surgical bleeding; and (3) Be familiar with pharmacological agents to treat/prevent coagulopathy.



PBLD-02 • 7:00 – 8:00 am

PATIENT WITH OSA FOR AMBULATORY SURGERY: WHERE DO YOU DRAW THE LINE?

Moderator: Girish P. Joshi, MD, MBBS, FFARCSI,
Professor of Anesthesiology and Pain Management Director of
Perioperative Medicine and Ambulatory Anesthesia, University
of Texas Southwestern Medical Center, Dallas, Texas

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Investigate the pathophysiology of sleep apnea syndrome in adults; (2) Identify the importance of appropriate selection of sleep apnea patient and procedure scheduled for ambulatory surgery; and (3) Discuss optimal care that minimizes perioperative risks in sleep apnea patients.

PBLD-04 • 7:00 – 8:00 am

SETTING UP OBSTETRIC ANESTHESIA SERVICES IN THE THIRD WORLD

Moderator: Ling Qun Hu, MD, Assistant Professor of
Anesthesiology, Northwestern University, Feinberg School
of Medicine, Chicago, Illinois, Founder and Chief Executive
Director, No Pain Labor N' Delivery, Chicago, Illinois

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Identify pre-existing issues; (2) Set up a mobile anesthesia cart; (3) Generate an obstetric anesthesia protocol; and (4) Create an anesthesia routine checklist for safe effective neuraxial labor analgesia.

● Review Course Lectures

RCL-24 • 8:00 – 8:55 am

NANOTECHNOLOGY AND THE FUTURE OF ANESTHESIA

Presenter: D. John Doyle, MD, PhD, *Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Staff Anesthesiologist, Department of General Anesthesiology, Cleveland Clinic, Cleveland, Ohio*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Describe the state of the art of molecular pharmacology in broad terms as well as; (2) List the anticipated future benefits and possible drawbacks of medical nanotechnology; and (3) Discuss how nanotechnology might be expected to impact on the delivery of anesthesia and critical care medicine.

RCL-25 • 9:00 – 9:55 am

QUALITY, PATIENT SAFETY AND YOUR PRACTICE: WHAT'S ON THE HORIZON?

Presenter: Richard P. Dutton, MD, MBA, *Executive Director, Anesthesia Quality Institute, Park Ridge, Illinois*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Review the definition of quality in healthcare; (2) Recognize current and future regulatory efforts to improve healthcare quality; and (3) Know the role of the AQI in facilitating anesthesia practice quality improvement.

RCL-26 • 10:00 – 10:55 am

PERIOPERATIVE FLUID MANAGEMENT: AQUATIC ASSASSINS?

Presenter: Tong J. (TJ) Gan, MD, FRCA, MHS, *Professor of Anesthesiology, Vice Chair for Clinical Research, Duke University Medical Center, Durham, North Carolina*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Explain the physiology of body fluid compartment and the dynamic movement between compartments; (2) Illustrate the different types of fluids, and the impact of IV fluid on postoperative outcome; (3) Discuss the role of goal-directed approaches in perioperative intravenous fluid therapy; and (4) Discuss the evidence regarding “liberal” vs. “restrictive” fluid administration approaches.

RCL-27 • 11:00 – 11:55 am

ANESTHESIA AND ENDOCRINE FUNCTION – PHEOCHROMOCYTOMA AND BEYOND!

Presenter: Keith A. (Tony) Jones, MD, *Alfred Habeeb Professor and Chair, Department of Anesthesiology, University of Alabama, Birmingham, Alabama*

LEARNER OBJECTIVES: After participating in this activity, the learner will be able to: (1) Discuss current concepts and new developments in the perioperative care of patients with pheochromocytoma and other endocrine disorders; (2) Review the diagnostic criteria and natural history of endocrine diseases, as well as their pathophysiology, thereby forming the fundamental basis and rationales for optimal perioperative management; and (3) Review clinical scenarios to illustrate and enhance the knowledge regarding the behavior of catecholamine-secreting tumors and to outline current approaches to comprehensive perioperative management of patients with these tumors.

● Panels

P-17 • 8:00 – 9:30 am

POINT OF CARE (POC) DIAGNOSTICS

Moderator: Douglas B. Coursin, MD

Panelists:

- **The Push Toward POC Testing: The Good, Bad, and the Ugly**

Douglas B. Coursin, MD, Professor, Department of Anesthesiology, University of Wisconsin School of Medicine and Public Health, Madison, Wisconsin

- **POC Meter Technology: Measurement of Glucose, Hematocrit, and Coagulation**

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

- **The Use of POC Meters in the Perioperative Environment**

Paul G. Barash, MD, Professor of Anesthesiology, Yale School of Medicine, New Haven, Connecticut

- **Evaluation and Purchasing of POC Devices**

Timothy E. Morey, MD, Executive Associate Chairman, Department of Anesthesiology, Associate Chairman for Research, 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) Explore the reasons for increased POC testing and why we need to proceed with caution; (2) Discuss accuracy, ease of use, interferences for thromboelastography as well as glucose and hematocrit meters; (3) Describe how to use the POC information correctly; and (4) Explain accuracy metrics (BA plots, bias, Clarke and Hb error grids) and factors in making smart purchasing decisions.



P-18 • 10:00 – 11:30 am

EXPLORING THE FUTURE OF ANESTHESIA TECHNOLOGY

Moderator: D. John Doyle, MD, PhD, Professor of Anesthesiology, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Staff Anesthesiologist, Department of General Anesthesiology, Cleveland Clinic Foundation, Cleveland, Ohio

Panelists:

- **Transforming Bedside Observations into Clinical Monitors: What is the Pathway Forward?**

Kirk Shelley, MD, PhD, Professor, Department of Anesthesiology, Yale School of Medicine, New Haven, Connecticut

- **The Future of Anesthesia: Will we be replaced by Robots?**

Thomas M. Hemmerling, MD, Associate Professor, Department of Anesthesia, McGill University Health System, Montreal, Quebec, Canada

- **Human Error in Anesthesiology – Is More Technology the Answer?**

Brian Rothman, MD, Assistant Professor, Division of Multispecialty Adult Anesthesiology, Associate Director of Perioperative Informatics, Vanderbilt University Medical Center, Nashville, Tennessee

SPEAKER DISCLOSURES

Barash, P. G. – **Grant/Research Support:** Medtronic

Brown, E. M. – **Consultant:** Masimo

Brull, S. J. – **Consultant:** Merck, Inc.

Chan, V.W.S. – **Grant/Research Support:** SonoSite, GE, Philips, BK Medical

Chung, F. – **Grant/Research Support:** Resmed

Culley, D.J. – **Other:** American Board of Anesthesiology

Davis, P. J. – **Grant/Research Support:** Hospira, Cumberland Pharmaceuticals, Jansen

Durieux, M.E. – **Consultant:** Durect Corp

Gan, T.J. –

Speaker's Bureau: Baxter, Hospira, Pacira Pharmaceuticals, Cadence, Fresenius-Kabi

Grant/Research Support: Acel Rx, Premier, Inc, Cara Therapeutics, Acacia, Cumberland Pharmaceuticals, Pacira Pharmaceuticals, Eisai Pharmaceuticals

Hogue, C.W. –

Consultant: Covidien, Merck

Speaker's Bureau: Covidien

Grant/Research Support: Covidien, Ornim, Inc.

Johnson, K.B. –

Stock Shareholder: Applied Medical Visualizations LLC

Other: Applied Medical Visualizations, LLC

Joshi, G. P. –

Speaker's Bureau: Pfizer, Baxter, Cadence, Eisai Pharmaceuticals

Grant/Research Support: Baxter

Levy, J. H. –

Consultant: Canyon, CSL Behring, Boehringer-Ingelheim, Exoxemis, Merck, Novo Nordisk, The Medicines Company

Speaker's Bureau: Glaxo Smith Kline, Lilly, Novo Nordisk, ViroPharma

Morey, T.E. –

Consultant: Xhale Inc., NanoMedex Pharmaceuticals Inc.

Grant/Research Support: Xhale Inc.

Stock Shareholder: Xhale Inc., NanoMedex Pharmaceuticals Inc., Hygreen Inc

Other: BOD, NanoMedex Pharmaceuticals, Inc.

Naguib, M. –

Consultant: MSD (Pharmaceutical company in the UK)

Other: Named on two patent applications on CB2 agonists submitted by the University of Texas MD Anderson Cancer Center

Pearse, R. –

Consultant: Covidien Inc

Speaker's Bureau: Edwards Lifesciences, Pulsion Medical Systems

Grant/Research Support: Lidco Ltd

Picton, P. – **Consultant:** Medtronic ENT.

Rask, J.P. – **Other:** University of New Mexico, honoraria for tracking MOCA sessions

Rasmussen, L.S. – **Grant/Research Support:** AMBU, MSD (Pharmaceutical in UK) (Self/Spouse)

Rathmell, J. P. – **Other:** Pfizer (Spouse)

Schwinn D.A. – **Consultant:** Watson Pharmaceuticals

Shelley, K. – **Other:** Yale University- Developed IP with the potential for royalty in the future

Shook, D.C. – **Other:** Philips Medical, Sorin Group - Educational Speaker

Suresh, S. –

Consultant: Editorial Board, OKO, AAOS

Other: Director, ABA, ASRA, and royalty from editor of book

Werner, C. –

Consultant: Abbott

Speaker's Bureau: Abbott



Moderated Poster Discussion Rounds

Friday, May 18
10:00 am - 4:30 pm

Saturday, May 19
8:00 am - 6:00 pm

Sunday, May 20
8:00 am - 4:30 pm

As a result of participating in these CME activities, learners will:

Poster Session Topic:	Learner Objective:
Ambulatory Anesthesia	Be able to identify selected advances in the care of patients undergoing ambulatory anesthesia
Bleeding / Blood Product Conservation	Be able to identify recent pharmaceutical and other advances related to the conservation of blood and blood products
Cardiothoracic & Vascular – Basic	Be able to discuss the scientific principles of cardiothoracic and vascular physiology and pharmacology
Cardiothoracic & Vascular - Clinical	Be able to assess current developments in clinical cardiothoracic anesthesia
Challenging Case Reports	Review medical management of unusual or difficult cases encountered in anesthesia practice
Critical Care & Trauma	Be able to define selected advances in the disciplines of organ system failure, monitoring and support
Economics	Be able to explain the concepts of pharmacoeconomic principles and gain insight into cost-effective anesthetic care
Education & Patient Safety	Be able to recognize selected advances in undergraduate medical education and patient safety
Equipment Monitoring	Be able to identify new developments in anesthesia equipment and monitoring devices and review the recently recognized limitations of current equipment
Geriatric Anesthesia	Review current advances in the treatment of geriatric patients undergoing anesthesia
Liver / Transplantation	Investigate current research on patient undergoing liver surgery, especially liver transplantation
Neuroanesthesia	Review selected basic and clinical developments that influence neuroanesthesia practice
Obstetric Anesthesia	Review selected advances in obstetric anesthesia
Pain – Basic Science	Review recent developments in the mechanisms and treatment of chronic and perioperative pain
Pain – Clinical – Acute	Be able to discuss the recent advances in clinical management of acute pain and identify the implications of those advances for medical practice
Pain – Clinical – Chronic	Be able to discuss recent advances in clinical management of chronic pain and access the implications of those advances for medical practice
Pediatric Anesthesia – General	Be able to identify selected advances in pediatric anesthesia
Pediatric Anesthesia – Neonatal Safety & Anesthetics	Be able to recognize selected advances in pediatric anesthesia focusing on neonatal safety and anesthetics
Pharmacology – Basic	Investigate advances in basic pharmacology
Pharmacology – Clinical	Discuss advances in pharmacokinetics and pharmacodynamics of agents used in the operating room and perioperative period
Regional Anesthesia	Review recent advances in the application of regional anesthesia in patients undergoing surgical procedures

FRIDAY, MAY 18

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Equipment Monitoring - 1	37
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Education & Patient Safety - 2	39
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Regional Anesthesia - 1.....	43

Ambulatory Anesthesia 2

Abstracts in Poster Discussion Round: S-07 – S-09

Presenters in Attendance: 10:00 am – 11:30 am

PR01-01

Poster Moderator: D. Sakata, MD, *University of Utah, Salt Lake City, UT*

S-07 PULMONARY MECHANICS DURING LAPAROSCOPIC CHOLECYSTECTOMY: A COMPARISON BETWEEN CUFFED ENDOTRACHEAL TUBE AND PROSEAL LMA

S. Gombar¹, N. Bajaj¹, U. Dalal²

¹Anaesthesia & Intensive Care, Government Medical College & Hospital, Sector 32, Chandigarh, India; ²Surgery, Government Medical College & Hospital, Sector 32, Chandigarh, India

S-08 USING A STANDARDIZED AIRWAY AND ANESTHETIC TECHNIQUE IN MORBIDLY OBESE PATIENTS UNDERGOING BARIATRIC SURGERY: FACILITATING INTUBATION, AVOIDING MASK VENTILATION AND DECREASING DESATURATION

J. May¹, Y. Bryan¹, T. Taylor¹, L. Hoke¹, M. Laxton¹, A. Fernandez²

¹Anesthesiology, Wake Forest School of Medicine, Winston Salem, NC; ²General Surgery, Wake Forest School of Medicine, Winston-Salem, NC

S-09 EFFECTS OF PREINDUCTION FENTANYL ON DESFLURANE ANESTHESIA VIA A LARYNGEAL MASK AIRWAY

A. Kamali, J. Meng, I. Gasanova, E. Rosero, G. P. Joshi
Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, TX

Bleeding / Blood Product Conservation 1

Abstracts in Poster Discussion Round: S-20

Presenters in Attendance: 10:00 am – 11:30 am

PR01-02

Poster Moderator: N. Nussmeier, MD, *Upstate Medical University, Syracuse, NY*

S-20 EPIDEMIOLOGY AND RISKS OF TRANSFUSION AMONG DIFFERENT AGE STRATA IN ICU PATIENTS

S. Mudumbai^{1,2}, R. Cronkite³, E. Bertaccini^{1,2}, B. Cason^{4,5}, E. Mariano^{1,2}, T. Wagner³

¹Anesthesia Service, VA Palo Alto, Palo Alto, CA; ²Anesthesiology, Stanford University, Palo Alto, CA; ³Center for Health Care Excellence, VA Palo Alto, Palo Alto, CA; ⁴Anesthesia Service, VA San Francisco, San Francisco, CA; ⁵Anesthesiology, University of California-San Francisco, San Francisco, CA

Challenging Case Reports 1

Abstracts in Poster Discussion Round: CC-83 – CC-88

Presenters in Attendance: 10:00 am – 11:30 am

PR01-03

Poster Moderator: C. Abdallah, MD, MSc, *Children's National Medical Center, Washington, DC*

CC-83 BONFILS RETROMOLAR AWAKE INTUBATION FIBERSCOPE IN A CURRENT CASE OF BIPHOSPHONATE-RELATED OSTEONECROSIS OF THE JAW AROUND DENTAL EXTRACTION

A. B. Fernández

Anesthesiology and Critical Care Unit, Ntra Sra de Candelaria University Hospital, Santa Cruz de Tenerife, Spain

CC-84 UNINTENTIONAL SUBDURAL CATHETER PLACEMENT DURING LABOR ANALGESIA

R. Toney, M. N. Rupasinghe

Anesthesiology, University of Texas Health Science Center, Houston, TX

CC-85 INADVERTEND ACUTE AORTIC DISSECTION DETECTED BY AN ABRUPT DROP IN EEG ACTIVITY

M. Dworschak¹, H. Rinösl¹, K. Skhirtladze-Dworschak¹, T. Fleck², W. Wisser²

¹Cardiothoracic and Vascular Anesthesia and Intensive Care Medicine, Medical University of Vienna, Vienna, Austria; ²Cardiac Surgery, Medical University of Vienna, Vienna, Austria

CC-86 WITHDRAWN

CC-87 TETRAPLEGIA FOLLOWING CRICOTRACHEAL RESECTION

M. J. Grover, K. Ingram, R. R. Sessions, D. M. Benitez-Rupp
Anesthesiology, UT Health Science Center San Antonio, San Antonio, TX

CC-88 A CHALLENGING CASE REPORT: VENTILATORY MANAGEMENT OF AN UNEXPECTED INTRAOPERATIVE BRONCHIAL INJURY IN THE NON-OPERATIVE LUNG DURING RE-DO IVOR LEWIS PROCEDURE

S. Anderson¹, T. Hong¹, V. Patel², M. Castresana¹

¹Department of Anesthesiology and Perioperative Medicine, Georgia Health Sciences University, Augusta, GA; ²Department of Surgery, Section of Cardiothoracic Surgery, Georgia Health Sciences University, Augusta, GA

Education and Patient Safety 1**Abstracts in Poster Discussion Round: S-193– S-197****Presenters in Attendance: 10:00 am – 11:30 am****PR01-04**

Poster Moderator: J. Ehrenfeld, MD, MPH, *Center for Evidence Based Anesthesia, Perioperative Data Systems Research, Vanderbilt University, Nashville, TN*

S-193 COMPARISON OF THE REAL-TIME ULTRASOUND-GUIDED CATHETERIZATION AND THE TRADITIONAL PALPITATION TECHNIQUE FOR RADIAL ARTERY CATHETERIZATION

Y. Fujita, J. Nakata, M. Nakajima, I. Sano, Y. Teramoto
Toyohashi-city, Japan

S-194 THE LEVEL OF NOISE IN THE OPERATING ROOM AT CRITICAL TIMES

A. S. Panjwani, S. H. Ginsberg, A. R. Solina, W. Grubb, J. Kraidin
Anesthesiology, UMDNJ-RWJ, New Brunswick, NJ

S-195 SUMMER ANESTHESIOLOGY EXTERNSHIP: DEMONSTRATING THE ABILITY OF EARLY CLINICAL INVOLVEMENT TO RECRUIT AND EDUCATE MEDICAL STUDENTS

K. S. Baker, C. Daniel, P. Glass, P. A. Seidman
Stony Brook University Hospital, Stony Brook, NY

S-196 USEFULNESS OF ULTRASOUND GUIDED CENTRAL VENOUS INSERTION IS DEPENDENT ON THE DIFFERENT CLINICAL EXPERIENCES

T. Yorozu¹, Y. Shiokawa², K. Moriyama¹, Y. Ohashi²
¹Anesthesiology, Kyorin University School of Medicine, Mitaka, Tokyo, Japan; ²Neurosurgery, Kyorin University School of Medicine, Mitaka, Tokyo, Japan

S-197 DRUG ADMINISTRATION ERRORS DURING EPIDURAL OR SPINAL ANESTHESIA OR ANALGESIA

S. Patel
Anesthesia, The Pennine Acute NHS Trust, Rochdale, United Kingdom

Equipment / Monitoring 1**Abstracts in Poster Discussion Round: S-242 – S-244, S-246, S-256****Presenters in Attendance: 10:00 am – 11:30 am****PR01-05**

Poster Moderator: M. London, MD, *University of California San Francisco, San Francisco, CA*

S-242 ENDOTRACHEAL INTUBATION USING AIRTRAQ® LARYNGOSCOPE VERSUS LMA FASTRACH™ IN ADULT PATIENTS: A COMPARATIVE STUDY

M. Z. Ali, R. Saeed, M. Abdel-Bar, H. Helmy
Anesthesia & S-ICU, Theodor Bilharz Research Institute, Giza, Egypt

S-243 PERIPHERAL NERVE SIMULATOR INDUCED ELECTROSTIMULATION AT P6 POINT REDUCES POST SPINAL ANESTHESIA INDUCED HYPOTENSION DURING SURGERY

K. Al Rawahi, R. Khan, N. Kaul
Al Harthy Complex, Oman

S-244 A COMPARISON BETWEEN NOVICE AND TRAINED PERSONNEL WHEN USING THE MACINTOSH LARYNGOSCOPE, THE PENTAX AWS®, THE C-MAC™ AND THE BONFELS INTUBATION FIBERSCOPE: A MANIKIN STUDY

C. Liaw¹, S. Lye², E. Seet², K. Koh²
¹MOHH, Singapore, Singapore; ²Department of Anaesthesia, Khoo Teck Puat Hospital, Singapore, Singapore

S-246 AN ALGORITHM FOR COMPUTER CONTROL OF DRUG DELIVERY BY CONTINUOUS INTRAVENOUS INFUSION: REDUCTION OF DELIVERY ONSET LAG TIME IN A LABORATORY MODEL

R. A. Peterfreund⁴, M. J. Parker¹, M. A. Lovich², N. M. Sims³
¹Division of Pulmonary, Critical Care, and Sleep Medicine, Beth Israel Deaconess Medical Center, Boston, MA; ²Department of Anesthesiology and Pain Medicine, St. Elizabeth's Medical Center, Boston, MA; ³Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA; ⁴Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA

S-256 U.S. ADOPTION OF ANESTHESIA INFORMATION MANAGEMENT SYSTEMS (AIMS): RESULTS FROM A NATIONAL SURVEY

I. S. Stol, W. S. Sandberg, J. M. Ehrenfeld
Vanderbilt University, Nashville, TN

Obstetric Anesthesia 1

Abstracts in Poster Discussion Round: S-327 – S-331

Presenters in Attendance: 1:00 pm – 4:30 pm

PR01-06

Poster Moderator: M. Vallejo, MD, Magee-Women's Hospital of UPMC, Pittsburgh, PA

S-327 EXIT PROCEDURE ON-CALL: A CASE OF SUCCESSFUL INTERDISCIPLINARY COMMUNICATION

K. Stiles, G. Shih

Anesthesiology, University of Kansas Medical Center, Kansas City, KS

S-328 THE EFFECT OF PROPHYLACTIC ADMINISTRATION OF DEXAMETHASONE FOR NAUSEA OR VOMITING IN GYNECOLOGICAL OR OBSTETRIC SURGERY: A SYSTEM REVIEW AND META-ANALYSIS IN RANDOMIZED CONTROLLED TRIALS

F. Z. Hua

Nanchang, China

S-329 EPIDURAL AND INTRATHECAL DRUG INJECTION ERRORS IN OBSTETRIC ANESTHESIA AND ANALGESIA (1981-2011)

S. Patel¹, S. Patel²

¹Anesthesia, The Pennine Acute Trust, Rochdale, United Kingdom; ²Obstetrics and Gynaecology, The Royal Bolton Hospital, Bolton, United Kingdom

S-330 BETA-2 ADRENERGIC RECEPTOR POLYMORPHISMS AFFECT LABOR PAIN IN NULLIPAROUS WOMEN

A. S. Terkawi¹, W. M. Jackson², S. Hansoti¹, R. Tabassum¹, P. Flood³

¹Department of Anesthesiology, King Farad Medical City, Riyadh, Saudi Arabia; ²Department of Anesthesiology, Columbia University, New York, NY; ³Department of Anesthesiology, University of California, San Francisco, San Francisco, CA

S-331 EPHEDRINE VS PHENYLEPHRINE FOR THE MANAGEMENT OF HYPOTENSION DURING SPINAL ANESTHESIA FOR CESAREAN SECTION: AN UPDATED META-ANALYSIS

Q. Li¹, F. Lin¹, M. Qiu^{2,1}, X. Ding²

¹Department of Anesthesiology, Shanghai Tenth People's Hospital of Tongji University, Shanghai, China; ²First Clinical College, Nanjing Medical University, Nanjing, China

Cardiothoracic and Vascular - Clinical 1

Abstracts in Poster Discussion Round: S-47 – S-52

Presenters in Attendance: 1:00 pm – 2:30 pm

PR01-07

Poster Moderator: M. Afifi, MD, Northwestern University Feinberg School of Medicine, Chicago, IL

S-47 LIBERALIZED FLUID PROTOCOL AND TISSUE PERFUSION BIOMARKERS IN LUNG RESECTION SURGERY

S. Assaad^{1,2}, M. Perkal^{1,3}, T. Kyriakides¹, G. Tellides^{1,3}, M. Ditillo^{1,3}, A. Perrino^{1,2}

¹Anesthesiology and Surgery, VA Connecticut Healthcare Systems, West Haven, CT; ²Anesthesiology, Yale University, School of Medicine, New Haven, CT; ³Surgery, Yale University, School of Medicine, New Haven, CT

S-48 SURVEY OF US ACADEMIC INSTITUTIONS REGARDING THE PRACTICE OF LUMBAR CEREBROSPINAL FLUID DRAINS FOR AORTIC ANEURYSM REPAIRS

W. Bradford, H. Arora, P. Kumar

Anesthesiology, UNC Hospitals, Chapel Hill, NC

S-49 THE EFFICACY OF NITROUS OXIDE ON FACILITATING LUNG COLLAPSE AT THE INITIATION OF ONE-LUNG VENTILATION WITH BRONCHIAL BLOCKER

T. Yoshimura^{1,2}, K. Ueda², J. Sawai¹, Y. Nakata^{3,1}

¹Anesthesia, Teikyo University Hospital, Tokyo, Japan; ²Anesthesia, University of Iowa Hospitals and Clinics, Iowa City, IA; ³Graduate School of Public Health, Teikyo University, Tokyo, Japan

S-50 DOES LIBERALIZED FLUID PROTOCOL INCREASE LUNG WATER POST LUNG RESECTION SURGERY?

S. Assaad^{1,2}, M. Perkal^{1,3}, T. Kyriakides¹, G. Tellides^{1,3}, A. W. Kim^{1,3}, A. Perrino^{1,2}

¹Anesthesiology and Surgery, VA Connecticut Healthcare Systems, West Haven, CT; ²Anesthesiology, Yale University, School of Medicine, New Haven, CT; ³Surgery, Yale University, School of Medicine, New Haven, CT

S-51 ANESTHETIC INDUCTION WITH ETOMIDATE, RATHER THAN PROPOFOL, IS ASSOCIATED WITH INCREASED CARDIOVASCULAR MORBIDITY AFTER NON-CARDIAC SURGERY

R. Komatsu¹, J. You², E. J. Mascha², D. I. Sessler³, A. Turan³

¹Anesthesiology Institute, Cleveland Clinic, Cleveland, OH; ²Departments of Quantitative Health Sciences and Outcomes Research, Cleveland Clinic, Cleveland, OH; ³Department of Outcomes Research, Cleveland Clinic, Cleveland, OH

S-52 HAPTOGLOBIN POLYMORPHISM AND NEW ONSET ATRIAL FIBRILLATION FOLLOWING CORONARY ARTERY BYPASS SURGERY

J. Raphael¹, A. Fox³, C. D. Collard², S. Shernan³, J. D. Muehlschlegel³, S. Body³

¹Anesthesiology, University of Virginia, Charlottesville, VA; ²Anesthesiology, Texas Heart Institute, Houston, TX; ³Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, MA

Challenging Case Reports 3**Abstracts in Poster Discussion Round: CC-95 – CC-100****Presenters in Attendance: 1:00 pm – 2:30 pm****PR01-08**

Poster Moderator: S. Worah, MD, *SUNY Downstate Medical Center, Brooklyn, NY*

CC-95 HEMODYNAMIC INSTABILITY IN A PATIENT ON AN ANGIOTENSIN CONVERTING ENZYME INHIBITOR UNDERGOING SPINE SURGERY: A CHALLENGING CASE SERIES.

R. Olszewski¹, J. Heitz^{1,2}

¹Anesthesiology, Jefferson University Hospital, Philadelphia, PA; ²Anesthesiology, Thomas Jefferson University, Philadelphia, PA

CC-96 ANESTHESIA FOR A PATIENT WITH EOSINOPHILIC FASCIITIS

J. Vickers, B. L. Ladlie

Anesthesiology, Mayo Clinic Florida College of Medicine, Jacksonville, FL

CC-97 TELOGEN EFFLUVIUM AFTER ANESTHESIA IN A CHILD: A RARE AND DISTURBING COMPLICATION

C. Abdallah

Anesthesiology, Children's National Medical Center, Washington, DC

CC-98 SURGICAL EMERGENCY REQUIRING MASSIVE TRANSFUSION IN A PATIENT WITH TUBEROUS SCLEROSIS

T. Chambers, S. Lei

Pediatric Anesthesiology, Morgan Stanley Children's Hospital of New York Presbyterian/Columbia, New York, NY

CC-99 PERIOcular HEMATOMA SECONDARY TO SUBPERIOSTEAL INJURY BY A SHORT NEEDLE: A CHALLENGING CASE REPORT

N. Ahmad, A. Zahoor

Riyadh, Saudi Arabia

CC-100 CHALLENGING CASE REPORT: POST-OPERATIVE AIRWAY OBSTRUCTION

A. Graham-Carlson, M. Watcha, A. Stone

Pediatric Anesthesiology at Texas Children's Hospital, Baylor College of Medicine, Houston, TX

Education and Patient Safety 2**Abstracts in Poster Discussion Round: S-198 – S-203****Presenters in Attendance: 1:00 pm – 2:30 pm****PR01-09**

Poster Moderator: H. Kinoshita, MD, *Aichi Medical University, Nagakute, Aichi, Japan*

S-198 A PILOT STUDY: TO DEVELOP A TOOL TO MEASURE THE CLIMATE OF BULLYING AMONG ANESTHESIA CARE PROVIDERS.

S. V. Pisklakov, M. Davidson, C. Schoenberg, D. Munoz
Anesthesiology, UMDNJ-NJMS, Newark, NJ

S-199 THE USE OF AIRTRAQ IN AN ALTERNATE TEACHING APPROACH TO LEARNING DIRECT LARYNGOSCOPY

V. Ng, T. Straker

Montefiore Medical Center, Bronx, NY

S-200 ANESTHESIA INFORMATION MANAGEMENT SYSTEMS (AIMS) MEDIATE IMPROVED SCIP COMPLIANCE COMPARED TO HOSPITALS WITHOUT AN AIMS

I. S. Stol, W. S. Sandberg, J. M. Ehrenfeld

Vanderbilt University, Nashville, TN

S-201 A SIMULATION STUDY OF UNINTENTIONAL CATECHOLAMINE FLUSH DUE TO INAPPROPRIATE RELEASE OF AN INTRAVENOUS LINE OCCLUSION USING SYRINGE PUMP IN INTENSIVE CARE UNIT

T. Kariya¹, T. Miyashita¹, H. Sato¹, H. Kawakami¹, K. Nakamura², T. Goto¹

¹Anesthesiology, Yokohama City University Hospital, Yokohama, Japan; ²Emergency Medicine, Yokohama City University Hospital, Yokohama, Japan

S-202 REDUCING ERRORS IN PATIENT ELECTRONIC MEDICAL RECORDS IN THE PERIOPERATIVE ENVIRONMENT

E. Rebello¹, S. Kee¹, J. Berger¹, A. Kowalski¹, N. Harun², F. Goravanchi¹

¹Anesthesiology and Perioperative Medicine, MD Anderson Cancer Center, Houston, TX; ²Biostatistics, MD Anderson Cancer Center, Houston, TX

S-203 PHYSICIAN ATTITUDES AND BELIEFS SURROUNDING PERIOPERATIVE DO NOT RESUSCITATE ORDERS: ANESTHESIOLOGISTS' GROWING COMPLIANCE WITH PATIENT AUTONOMY AND SELF DETERMINATION GUIDELINES

C. Burkle, M. Keegan, K. H. Berge, K. M. Swetz

Rochester, MN

Geriatric Anesthesia 2

Abstracts in Poster Discussion Round: S-286 – S-291

Presenters in Attendance: 1:00 pm – 2:30 pm

PR01-10

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

S-286 AN INCREASING INTEREST IN ANESTHESIA AND ALZHEIMER'S DISEASE: PAST, PRESENT, AND FUTURE

S. Kendale, C. Scher
Anesthesiology, New York University, New York, NY

S-287 WAIT TIMES TO SURGERY, POST-FRACTURE AUTONOMY & IN-HOSPITAL MORTALITY IN A SUBSET OF HIP FRACTURE PATIENTS

J. Murdoch², M. Kaspervacius¹, M. McMullen², J. Rudan³, R. Allard², V. Shyam²

¹School of Medicine, Queen's University, Kingston, ON, Canada; ²Anesthesiology & Perioperative Medicine, Kingston General Hospital/ Queen's University, Kingston, ON, Canada; ³Surgery, Division of Orthopedic Surgery, Kingston General Hospital/ Queen's University, Kingston, ON, Canada

S-288 INFECTION PROMOTION THE DEVELOPMENT OF POSTOPERATIVE COGNITIVE DYSFUNCTION IN ELDERLY RATS

J. Yang, L. Chen, H. Zhang, Z. Li, X. Wang, H. Wang
Chengdu, China

S-289 PERIOPERATIVE MANAGEMENT OF ELDERLY HIP FRACTURE PATIENTS WITH CONCOMITANT AORTIC STENOSIS

V. Shyam², S. Tierney^{1,2}, M. McMullen², J. Murdoch², J. Rudan³, R. Allard²

¹School of Medicine, Queen's University, Kingston, ON, Canada; ²Anesthesiology & Perioperative Medicine, Kingston General Hospital/ Queen's University, Kingston, ON, Canada; ³Department of Surgery, Division of Orthopedic Surgery, Kingston General Hospital/ Queen's University, Kingston, ON, Canada

S-290 POSTOPERATIVE COGNITIVE DYSFUNCTION AFTER FAST-TRACK HIP AND KNEE ARTHROPLASTY

L. Krenk^{2,3}, L. S. Rasmussen¹, H. Kehlet^{2,3}

¹Department of Anaesthesia, Centre of Head and Orthopaedics, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark; ²Section of Surgical Pathophysiology, Rigshospitalet, University of Copenhagen, Copenhagen, Denmark; ³The Lundbeck Centre for Fast-track Hip and Knee Arthroplasty, Copenhagen, Denmark

S-291 EXPOSURE OF TG2576 MICE TO ISOFLURANE RESULTS IN NO DETECTABLE INCREASE IN A β AMYLOID LOAD VIA [18F]AV45 PET IMAGING CONFIRMED WITH AUTORADIOGRAPHIC INVESTIGATION

C. Rowan¹, S. Kennel², R. M. Craft¹, J. Wall², E. Martin²

¹Department of Anesthesiology, University of Tennessee Graduate School of Medicine, Knoxville, TN; ²Preclinical and Diagnostic Molecular Imaging Laboratory, Department of Medicine, University of Tennessee Graduate School of Medicine, Knoxville, TN

Pediatric Anesthesia: General Topics 1

Abstracts in Poster Discussion Round: S-382 – S-387

Presenters in Attendance: 1:00 pm – 2:30 pm

PR01-11

Poster Moderator: L. Sun, MD, *College of Physicians & Surgeons of Columbia University, New York City, NY*

S-382 ANESTHETIC CONSIDERATIONS IN LEIGH DISEASE; CASE REPORTS AND LITERATURE REVIEW

A. S. Terkawi¹, T. M. Wani¹, K. M. Al-Shuaibi¹, J. D. Tobias²

¹Department of Anesthesiology, King Farad Medical City, Riyadh, Saudi Arabia; ²Department of Anesthesiology, Nationwide Children's Hospital, Columbus, OH

S-383 THE EFFECT OF DEXMEDETOMIDINE ON HEMODYNAMICS AND ELECTROCARDIOGRAPHY OF DEXMEDETOMIDINE IN CHILDREN WITH CONGENITAL HEART DISEASE

S. Fujii¹, M. Nagashima², S. Kitamura¹, S. Fujioka¹, S. Kawasaki¹, T. Nagaro¹

¹Anesthesiology and Resuscitation, Ehime University Hospital, Toon City, Japan; ²Pediatric Cardiovascular Surgery, Ehime University Hospital, Toon City, Japan

S-384 A RANDOMIZED COMPARISON OF THE I-GEL WITH THE PROSEAL LARYNGEAL MASK AIRWAY IN PEDIATRIC PATIENTS

A. Fukuhara, R. Okutani, Y. Oda

Department of Anesthesiology, Osaka City General Hospital and Children's Hospital, Osaka, Japan

S-385 SAFETY AND EFFICACY OF PROSEAL LMA VERSUS CLASSIC LMA IN CHILDREN - A RANDOMIZED CONTROLLED TRIAL

S. Gombhar, A. Jafra, D. Kapoor

Department of Anesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, India

S-386 A RANDOMIZED TRIAL OF INTRA-NASAL DEXMEDETOMIDINE AND SUFENTANIL COMPARED TO ORAL MIDAZOLAM FOR PEDIATRIC DENTAL SEDATION

A. Maru¹, C. Heard^{2,3}, R. Mireles², M. Yarussi², P. Creighton¹

¹Pediatric Dentistry, Women & Children's Hospital of Buffalo, Buffalo, NY; ²Pediatric Anesthesiology, Women & Children's Hospital of Buffalo, Buffalo, NY; ³Pediatric Critical Care, Women & Children's Hospital of Buffalo, Buffalo, NY

S-387 POPULATION PHARMACOKINETICS (PK) OF DEXMEDETOMIDINE (DEX) IN PEDIATRIC INTENSIVE CARE

E. Ludwig¹, J. Fiedler-Kelly^{1,3}, D. Stalker²

¹Pharmacometric Services, Cognigen Corporation, Buffalo, NY; ²Global Medical Affairs, Hospira, Inc., Lake Forest, IL; ³Pharmaceutical Sciences, University at Buffalo, Buffalo, NY

Cardiothoracic and Vascular - Clinical 2
Abstracts in Poster Discussion Round: S-53 – S-57
Presenters in Attendance: 3:00 pm – 4:30 pm

PR01-12

Poster Moderator: B. Subramaniam, MD, MPH, *Harvard Medical School, Boston, MA*

S-53 EFFECT OF INDIAN CLASSICAL MUSIC (RAGA THERAPY) ON FENTANYL, PROPOFOL, VECURONIUM REQUIREMENTS AND CORTISOL LEVELS IN CARDIOPULMONARY BYPASS

S. K. Kar, C. S. Sen
 Cardiac Anesthesia, Ipgmer, Kolkata, India

S-54 HIGH PRE-OPERATIVE BRAIN NATRIURETIC PEPTIDE LEVELS PREDICT POST-OPERATIVE PROLONGED ICU STAY AND HIGHER MORTALITY IN PATIENTS UNDERGOING NON-EMERGENT CARDIAC SURGERY

D. Mikami, H. Nakazawa, K. Moriyama, T. Yorozu
 Tokyo, Japan

S-55 POST-OPERATIVE SUPPLEMENTAL OXYGEN THERAPY ASSOCIATED WITH INCREASED RISK FOR POST-OPERATIVE MYOCARDIAL INFARCTION IN NON-CARDIAC SURGICAL PATIENTS

K. J. Ringenberg, S. Shillcutt
 Anesthesiology, University of Nebraska Medical Center, Omaha, NE

S-56 THE INTERACTION OF LOW-DOSE DROPERIDOL WITH PROPOFOL ON QTC INTERVAL DURING ANESTHETIC INDUCTION

Y. Terao¹, T. Toyoda^{1,2}, M. Oji^{1,2}, U. Higashijima^{1,2}, M. Fukusaki¹, K. Sumikawa²
¹Anesthesia, Nagasaki Rosai Hospital, Sasebo, Japan;
²Anesthesiology, Nagasaki University School of Medicine, Nagasaki, Japan

S-57 PERIOPERATIVE USE OF THE GLUCOMMANDER® FOR GLUCOSE CONTROL IN PATIENTS UNDERGOING CARDIAC SURGERY

J. L. Huffmyer, F. E. Blum, D. S. Groves, E. C. Nemergut
 Anesthesiology, University of Virginia, Charlottesville, VA

Critical Care Medicine and Trauma 1
Abstracts in Poster Discussion Round: S-155 – S-160
Presenters in Attendance: 3:00 pm – 4:30 pm

PR01-13

Poster Moderator: B. Beck-Schimmer, MD, *Institute of Anesthesiology, University Hospital Zurich, Zurich, Switzerland*

S-155 ABDOMINAL ETIOLOGY FOR MIMICKED ST SEGMENT ELEVATED MYOCARDIAL INFARCTION ON THE ELECTROCARDIOGRAPH

S. Patel
 Anesthesia, The Pennine Acute NHS Trust, Rochdale, United Kingdom

S-156 SODIUM BICARBONATE INFUSION IN THE CARDIAC SURGERY PATIENT: A RETROSPECTIVE STUDY

H. H. Amhaz, D. Gupta, D. Apostolou, Y. Al-Baghdadi, L. Safadi, M. Orlewicz
 Anesthesiology, Wayne State University / Detroit Medical Center, Detroit, MI

S-157 GOAL-DIRECTED THERAPY AFTER CORONARY ARTERY BYPASS GRAFTING IMPROVES OUTCOME IN PATIENTS WITH SEVERE LEFT VENTRICULAR DYSFUNCTION

A. F. Attaallah^{1,2}, H. H. Abdelwahab²
¹Department of Anesthesiology, West Virginia University, Morgantown, WV; ²Department of Anesthesia and Critical Care, Cairo University, Cairo, Egypt

S-158 MECHANISM OF TACHYARRHYTHMIA IN SEPTIC MODEL OF GUINEA PIG

N. Hatakeyama^{1,2}, Y. Aoki², Y. Yasuda¹, Y. Fujiwara¹
¹Anesthesiology, Aichi Medical University, Nagakute, Japan;
²Anesthesiology, Toyama University Hospital, Toyama, Japan

S-159 RELIABILITY OF OXYGEN SATURATION BY PULSE OXIMETER TO DETECT HYPOXEMIA OF PATIENTS IN THE INTENSIVE CARE UNIT

R. Kanai^{1,2}, K. Moriyama¹, T. Kohyama^{2,1}, T. Yorozu¹
¹Anesthesiology, Kyorin University School of Medicine, Tokyo, Japan; ²Intensive care medicine, Saiseikai Yokohamashi Tobu Hospital, Yokohama, Japan

S-160 RAPID INDUCTION OF THERAPEUTIC HYPOTHERMIA THROUGH AUGMENTED HEAT LOSS FROM THE LUNGS: A FEASIBILITY STUDY IN SWINE

M. M. Kumar¹, B. Afessa¹, J. L. Atkinson¹, L. Johnson¹, V. Nayagam²
¹Mayo Clinic, Rochester, MN; ²National Center for Space Exploration Research, NASA Glenn Research Center, Cleveland, OH

Liver / Transplantation 1

Abstracts in Poster Discussion Round: S-297 – S-300, S-302

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

PR01-14

Poster Moderator: T. Henthorn, MD, *University of Colorado Denver, Aurora, CO*

S-297 CISATRACURIUM DOSE-RESPONSE RELATIONSHIP IN PATIENTS WITH LIVER DISEASE

Hosam Helmy El-Sabae, Mohamed Zeidan, Reeham Saeed, Hisham El-Meseery, Mona Zaki & Mounis Abo-sedira
Anesthesia & S-ICU, Theodor Bilharz Research Institute, Giza, Egypt

S-298 OPTIMISING THE POST OPERATIVE PAIN CONTROL FOR LIVER DONORS – A COMPARATIVE ANALYSIS

J. Shah, J. Pasnak, J. Butterworth
Anesthesiology, Virginia Commonwealth University Medical Center, Richmond, VA

S-299 THE PERIOPERATIVE CHANGES OF OXIDATIVE STRESS AND ANTIOXIDANT CAPACITY IN PATIENTS UNDERGOING LIVING DONOR LIVER TRANSPLANTATION

J. Kosaka, H. Morimatsu, N. Obata, T. Matsusaki, R. Kaku, K. Morita
Anesthesiology and Resuscitology, Okayama University Hospital, Okayama, Japan

S-300 INTRACTABLE SEVERE PULMONARY EDEMA DURING ORTHOTOPIC LIVER TRANSPLANT (OLT)

Y. Morita, K. Fukazawa, B. Ashrafi, E. A. Pretto
Department of Anesthesiology, University of Miami, Miller School of Medicine, Miami, FL

S-302 THE EFFECT OF OCTREOTIDE ON BRAIN INJURY AFTER HEPATIC ISCHEMIA-REPERFUSION IN A RABBIT MODEL

J. Yang, H. Sun, C. Dong, M. Wang, J. Liu
Changsha, China

Pain - Clinical - Acute 1

Abstracts in Poster Discussion Round: S-356 – S-361

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

PR01-15

Poster Moderator: N. Sandhu, MD, MS, *UCSD Medical Center, VA Medical Center San Diego, San Diego, CA*

S-356 MULTIMODAL ANALGESIA IMPROVES THE MANAGEMENT OF BRACHYTHERAPY

R. Boscariol¹, N. Eipe¹, J. Penning¹, R. Samant², C. Ee²
¹Anesthesiology, The Ottawa Hospital, Ottawa, ON, Canada;
²Radiation Oncology, The Ottawa Hospital, Ottawa, ON, Canada

S-357 POSTOPERATIVE PAIN EXPERIENCE: RESULTS FROM A HOSPITAL ACUTE PAIN SERVICE

A. Buvanendran, C. M. Zook, S. C. Toleikis, J. Kroin
Rush Medical College, Chicago, IL

S-358 SUPERFICIAL CERVICAL PLEXUS BLOCKS IMPROVE ANALGESIC OUTCOMES FOLLOWING THYROID SURGERY: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

K. Doi¹, H. Hoshijima¹, N. Kuratani², R. Takeuchi¹, N. Matsumoto¹
¹Anesthesiology, Saitama Medical University Hospital, Moroyama/Saitama, Japan; ²Anesthesiology, International University of Health and Welfare Hospital, Nasushiobara, Japan

S-359 IS POSTOPERATIVE PAIN UNDERMANAGED AFTER INPATIENT SURGERY?

A. Buvanendran, S. Rybak, C. M. Zook, S. Jha, M. Moric, J. Kroin
Rush Medical College, Chicago, IL

S-360 PROSPECTIVE COMPARATIVE STUDY OF ANALGESIC EFFICIENCY OF PARAVERTEBRAL BLOCK WITH ROPIVACAINE (0.2%) AND DEXMEDETOMIDINE + ROPIVACAINE (0.2%) IN RENAL SURGERIES

G. S. Tomar, A. K. Tiwari, S. Ganguly
Dept. of Anaesthesiology & Critical Care, St. Stephen's Hospital, New Delhi, India

S-361 PERIOPERATIVE SYSTEMIC LIDOCAINE FOR POSTOPERATIVE ANALGESIA AND RECOVERY AFTER ABDOMINAL SURGERY A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

Y. Sun¹, T. Li¹, T. Gan², N. Wang³, Y. Yue⁴
¹Anesthesiology, Beijing TongRen Hospital, Capital Medical University, Beijing, China; ²Anesthesiology, Duke Medical Center, Durham, NC; ³Pediatrics, Stanford University School of Medicine, San Francisco, CA

Regional Anesthesia 1

Abstracts in Poster Discussion Round: S-472, S-474 – S-477

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

PR01-16

Poster Moderator: R. Ganta, MD, FRCA, VAMC and OU
Medical Center, Oklahoma City, OK

**S-472 CAN THE USE OF HIGH DOSE DEXMEDETOMIDINE
WITH BUPIVACAINE ELIMINATE THE NEED
FOR A PERIPHERAL NERVE CATHETER?**

W. Alrayashi, C. Scher, L. Capan
Anesthesiology, New York University Medical Center,
New York, NY

**S-474 THE EFFECT OF A PREOPERATIVE SCIATIC NERVE BLOCK IN
ADDITION TO A FEMORAL NERVE BLOCK FOR AMBULATORY
ACL RECONSTRUCTION: A RETROSPECTIVE ANALYSIS**

K. Kolodzie¹, J. M. Cohen¹, S. Shah², P. Aleshi¹
¹Department of Anesthesia & Perioperative Care, University
of California, San Francisco, San Francisco, CA; ²College of
Medicine, University of Illinois at Chicago, Chicago, IL

**S-475 A PILOT STUDY TO COMPARE EPIDURAL
IDENTIFICATION AND CATHETERIZATION USING
A SALINE FILLED SYRINGE VERSUS A NOVEL
CONTINUOUS HYDROSTATIC PRESSURE SYSTEM**

Y. M. Samhan, H. H. El Sabae, H. F. Khafagy, M. Mahert
Giza, Egypt

**S-476 EVALUATION OF PREDICTIVE POWER OF DIFFICULT
SPINAL SCORE TO ACTUAL DIFFICULTY DURING
SPINAL ANESTHESIA AND ITS COMPLICATIONS**

M. Al-Mahrami^{1,2}, M. J. Albahrani^{2,1}, S. Trehun^{1,2}, R. Khan^{1,2},
N. Kaul^{1,2}
¹Anaesthesia & ICU, Khoula Hospital, Al harthy Complex,
Oman; ²Anaesthesia & ICU, Royal Hospital, Muscat, Oman

**S-477 CHARACTERISTICS OF TRANSIENT PARESTHESIA
DURING EPIDURAL CATHETER PLACEMENT: THE
INCIDENCE AND LOCATION OF PARESTHESIA ACCORDING
TO THE VERTEBRAL LEVEL OF THE PUNCTURE**

A. Ogura^{1,2}, M. Zenfuku², Y. Nakajima², T. Inoue³
¹Anesthesiology, Mizonokuchi Hospital, Teikyo
University School of Medicine, Kawasaki, Japan;
²Anesthesiology, Shizuoka Red Cross Hospital,
Shizuoka, Japan; ³Anesthesiology, Chiba-Hokuso
Hospital, Nippon Medical School, Chiba, Japan



Program Schedule • IARS 2012 Annual Meeting

FRIDAY, MAY 18

REGISTRATION & EXHIBITS

REVIEW COURSE LECTURES

PANELS

6:00 am - 5:30 pm REGISTRATION

7:00 - 8:00 TABLETOP EXHIBITS / CONTINENTAL BREAKFAST

8:00 - 9:30

8:00 am - 8:30 am IARS WELCOME and Opening General Session

8:30 am - 9:30 am T.H. SELDON MEMORIAL LECTURE - *Patient Safety: Anesthesia Can Lead the Way* - James P. Bagian, MD, PE

9:30 - 10:00 TABLETOP EXHIBITS / BREAK

10:00 - 11:55

RCL-01 - 10:00 - 10:55 am: Neuroanesthesia: Myths and Mysteries for the Occasional Neuroanesthesiologist
RCL-02 - 11:00 - 11:55 am: TEVAR - Perioperative Management and Outcomes

P-01 - 10:00 - 11:30 am: SPA PANEL
-Trauma by the Numbers - Trauma Scores and Outcomes
-Neuroprotection in Pediatric Trauma—What's New?
-Transfusion Therapy in Pediatric Trauma Victims

12:00 - 1:00 TABLETOP EXHIBITS / LUNCH BREAK

1:00 - 2:55

RCL-03 - 1:00 - 1:55 pm: Postoperative Delirium: Diagnosis and Management Strategies
RCL-04 - 2:00 - 2:55 pm: TRALI: An Ever Present Danger

P-02 - 1:00 - 2:30 pm: ASA PANEL
THE MOCA® Simulation Experience: Improving our Practice

2:30 - 3:00 BREAK

3:00 - 4:55

RCL-05 - 3:00 - 3:55 pm: Lies, Damn Lies and Anesthetic Myths
RCL-06 - 4:00 - 4:55 pm: Pediatric Airway Management: Congenital Anomalies That Can Make Your Life Difficult!

P-04 - 3:00 - 4:30 pm: ISAP PANEL
- The Pharmacy is Out of Fentanyl Again. What Do I Do?
- Developmental Neurotoxicity: Are the Narcotics Safe?
- An Emerging Paradigm In Neuropathic Pain: Targeting The Inflamed Glial Cells

6:00 am - 5:30 pm REGISTRATION

7:00 - 8:00 TABLETOP EXHIBITS / CONTINENTAL BREAKFAST

8:00 - 9:55

RCL-07 - 8:00 - 8:55 am: Coagulation Cocktails: Helpful Hints and Hard Data for Perioperative Bleeding
RCL-08 - 9:00 - 9:55 am: Critical Care Update: 2012

P-05 - 8:00 - 9:30 am: Perioperative Evidence-Based Decision Making and Knowledge Translation

9:30 - 10:00 TABLETOP EXHIBITS / BREAK

10:00 - 11:55

RCL-09 - 10:00 - 10:55 am: Minimally Invasive Surgery: Surgeons Replaced by Robots?
RCL-10 - 11:00 - 11:55 am: Non-Invasive Cardiac Output Monitoring: Ready For Prime Time?

P-06 - 10:00 am - 11:30 am: APSF Safety Panel
OR Medication Safety Mishaps, Missteps and (Mis) Management

12:00 - 1:00 TABLETOP EXHIBITS / LUNCH BREAK

1:00 - 2:55

RCL-11 - 1:00 - 1:55 pm: Perioperative Pain Management in Ambulatory Surgery
RCL-12 - 2:00 - 2:55 pm: Why Do 'Similar' Patients Have Different Outcomes?

P-07 - 1:00 - 2:30 pm: SNACC PANEL
Traumatic Brain Injury - From Impact to the ICU

2:30 - 3:00 pm BREAK

3:00 - 5:55

RCL-13 - 3:00 - 3:55 pm: Update on the Treatment of Traumatic Brain Injury
RCL-14 - 4:00 - 4:55 pm: 911 In the Obstetric Suite: Management Strategies for OB Emergencies
RCL-15 - 5:00 - 5:55 pm: Link Between Acute and Chronic Pain

P-09 - 3:00 - 4:30 pm: SCA PANEL
Monitoring During Cardiac Surgery: What is "State-of-the-Art"?
P-10 - 4:30 - 6:00 pm: SOCCA PANEL
Dilemmas in Perioperative Critical Care Anesthesiology

6:30 - 7:30 IARS NETWORKING RECEPTION

6:30 am - 5:30 pm REGISTRATION

7:00 - 8:00 TABLETOP EXHIBITS / CONTINENTAL BREAKFAST

8:00 - 8:55

RCL-16 - 8:00 - 8:55 am: Pediatric Anesthesia: Little People With Lots of Problems!
RCL-17 - 9:00 - 9:55 am: Perioperative Lung Protective Strategies: Are They Worth The Trouble?

P-11 - 8:00 - 9:30 am: SASM PANEL
OSA Patient & Anesthesia - A Clinical Challenge

9:30 - 10:00 TABLETOP EXHIBITS / BREAK

10:00 - 11:55

RCL-18 - 10:00 - 10:55 am: Size Matters: Perioperative Management of the Morbidly Obese
RCL-19 - 11:00 - 11:55 am: Reading Your Mind: Monitoring The Brain Under Anesthesia

P-12 - 10:00 - 11:00 am: ABA PANEL
Programs for Primary Certification and Maintenance of Certification in Anesthesiology (MOCA®)

12:00 - 1:00 Tabletop EXHIBITS / LUNCH BREAK

1:00 - 2:55

RCL-20 - 1:00 - 1:55 pm: Anesthesia and the Complex EP Patient: Do Anesthetic Techniques Matter?
RCL-21 - 2:00 - 2:55 pm: Herbal Medicine in Anesthetic Practice

P-14 - 1:00 - 2:30 pm: SMARTTOTS PANEL
Pediatric Anesthesia Neurotoxicity Panel

2:30 - 3:00 BREAK

3:00 - 4:30

RCL-22 - 3:00 - 3:55 pm: The Poor Man's Epidural: Systemic Local Anesthetics and Surgical Outcomes
RCL-23 - 4:00 - 4:55 pm: What to do: Controversial Case Studies in Regional Anesthesia

P-15 - 3:00 - 4:30 pm: LICAGE PANEL
Coagulopathy and Thrombosis: The Yin and Yang of Liver Failure

6:30 - 10:00 pm PARTY WITH A PURPOSE FUNDRAISER DINNER (WESTIN COPLEY PLACE)

6:30 - 11:30 am REGISTRATION

7:30 - 8:00 CONTINENTAL BREAKFAST

8:00 - 9:30

RCL-24 - 8:00 - 8:55 am: Nanotechnology and the Future of Anesthesia
RCL-25 - 9:00 - 9:55 am: Quality, Patient Safety and Your Practice: What's on the Horizon?

P-17 - 8:00 - 9:30 am: Point of Care Diagnostics Panel Discussion
Point of Care (POC) Diagnostics

9:30 - 10:00 BREAK

RCL-26 - 10:00 - 10:55 am: Perioperative Fluid Management: Aquatic Assassins?
RCL-27 - 11:00 - 11:55 am: Anesthesia and Endocrine Function - Pheochromocytoma and Beyond!

P-18 - 10:00 - 11:30 am: STA PANEL
Exploring the Future of Technology in Anesthesia

SATURDAY, MAY 19

SUNDAY, MAY 20

MONDAY, MAY 21



PANELS (CONTINUED) PBLD'S		WORKSHOPS	SPECIAL SESSIONS	POSTER ROUNDS
REGISTRATION 6:30 am - 5:30 pm				
7:00 - 8:00 am PBLD-01: SPA / M. Hache, MD PBLD-02: SOCCA / R. Loftus, MD		PBLD-03: SOAP / A. Wali, MD, FFARCSI		7:00 - 8:00
8:00 am - 8:30 am IARS WELCOME and Opening General Session				
8:30 am - 9:30 am T.H. SELDON MEMORIAL LECTURE - Patient Safety: Anesthesia Can Lead the Way - James P. Bagian, MD, PE				
TABLETOP EXHIBITS / BREAK			11:30 am - 4:15 pm The International Science Symposium Mechanisms of Anesthesia	9:30 - 10:00
				10:00 - 11:30
TABLETOP EXHIBITS / LUNCH BREAK				12:00 - 1:00
P-03 1:00 - 2:30 pm SOAP PANEL Avoiding Catastrophes in Obstetrics				1:00 - 2:30
BREAK				2:30 - 2:45
				3:00 - 4:30
REGISTRATION 6:00 am - 5:30 pm				
7:00 - 8:00 am PBLD-01: SNACC / R. Avitsian, MD PBLD-02: APSF / R. Prielipp, MD, MBA, FCCM		PBLD-03: ISAP / K. Johnson, MD PBLD-04: Airway / D. J. Doyle, MD, PhD		7:00 - 8:00
		W-01 - 8:00 am - 12:00 pm Advanced Ultrasound Workshop Guided Nerve Block	8:00 - 11:30 am RESIDENT SYMPOSIUM	8:00 - 9:30
TABLETOP EXHIBITS / BREAK				9:30 - 10:00
				10:00 - 11:30
TABLETOP EXHIBITS / LUNCH BREAK				12:00 - 1:00
P-08 - 1:00 - 3:00 pm: OpenAnesthesia Education Panel New Methods to Train Better Doctors		W-02 - 2:00 - 5:00 pm TEE Workshop - Basics and Beyond!		1:00 - 2:30
			2:30 - 3:00	
			3:00 - 4:30 4:30 - 6:00	
			IARS NETWORKING RECEPTION	6:30 - 7:30
REGISTRATION 6:00 am - 5:30 pm				
7:00 - 8:00 am PBLD-01: SAMBA / S. Butz, MD PBLD-02: LICAGE / G. Wagener, MD		PBLD-03: STA / D. J. Doyle, MD, PhD PBLD-04: Hemodynamic / R. Azocar, MD		7:00 - 8:00
		W-03 - 8:00 - 11:00 am Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks Workshop	9:00 am - 12:00 pm Clinical Research Symposium The Role of Specialist Societies in Clinical Outcomes Research: How Can They Take a Lead?	8:00 - 9:30
BREAK				9:30 - 10:00
P-13 - 10:00 - 11:30 am: SAMBA PANEL Safety in Ambulatory Surgery				10:00 - 11:30
TABLETOP EXHIBITS / LUNCH BREAK				12:00 - 1:00
			1:00 - 2:30 pm Best of Abstract Meeting Awards 2:30 - 4:00 pm Kosaka Abstract Awards	1:00 - 2:30
BREAK				2:30 - 3:00
P-16 - 3:00 - 4:30 pm: Controversies in Clinical Airway Management				3:00 - 4:30
PARTY WITH A PURPOSE FUNDRAISER DINNER (WESTIN COPLEY HOTEL) 6:30 - 10:00 pm				
REGISTRATION 6:30 - 11:30 am				
7:00 - 8:00 am PBLD-01: Regional / J. Hebl, MD PBLD-02: SASM / G. Joshi, MD, MBBS, FFARCSI		PBLD-03: SCA / R. Sniecinski, MD, FASE PBLD-04: Obstetric-3rd World / L.Q. Hu, MD		

FRIDAY, MAY 18

SATURDAY, MAY 19

SUNDAY, MAY 20

MONDAY, MAY 21

SATURDAY, MAY 19

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Discussion Times: 10:00 – 11:30 am	Page
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Pediatric Anesthesia – General - 2	54
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Note: Morning session posters are taken down during this time period to make room for afternoon sessions

Discussion Times: 1:00 – 2:30 pm	Page
Cardiothoracic & Vascular – Basic - 1	55
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Equipment / Monitoring - 3	57
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Discussion Times: 3:00 – 4:30 pm	Page
Challenging Case Reports - 2	58
Equipment Monitoring - 2	59
Geriatric Anesthesia - 1	59
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Pharmacology – Clinical - 1	60
Regional Anesthesia - 3	61

Discussion Times: 4:30 – 6:00 pm	Page
Ambulatory Anesthesia - 1	61
Challenging Case Reports - 8	62
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Equipment Monitoring - 4	63
Pharmacology – Basic - 4	63

Challenging Case Reports 4

Abstracts in Poster Discussion Round: CC-102 – CC-106

Presenters in Attendance: 8:00 am – 9:30 am

PR02-01

Poster Moderator: M. Yamakage, MD, *Sapporo Medical University, Sapporo, Japan*

CC-102 SPONTANEOUS SPLENIC VEIN BLEEDING DURING PREGNANCY: CONSEQUENCES OF A MISSED DIAGNOSIS

M. Ajmal

Anesthesiology, Children's University Hospital, Dublin, Ireland

CC-103 THE COOL HAND LUKE SYNDROME: FAILURE TO COMMUNICATE THE PREOPERATIVE DNR ORDER

D. M. Rothenberg, L. Rome

Anesthesiology, Rush University Medical Center, Chicago, IL

CC-104 ULTRASONIC GUIDANCE AND CENTRAL VENOUS CATHETER INSERTION: DELAYED RECOGNITION OF ARTERIAL PLACEMENT

J. L. Raytis, M. W. Lew

Anesthesiology, City of Hope, Duarte, CA

CC-105 ANESTHETIC MANAGEMENT OF A PATIENT WITH VELO-CARDIO-FACIAL SYNDROME USING KETOFOLOL

F. Kromah, V. Sampathi, S. Mousavi

Anesthesia, State University of New York, Upstate Medical University Hospital, Syracuse, NY

CC-106 SEVERE PARADOXICAL VOCAL CORD MOTION AFTER EGD

C. Li

Anesthesiology, Albany Medical College, Albany, NY

Economics 1

Abstracts in Poster Discussion Round: S-180 – S-186

Presenters in Attendance: 8:00 am – 9:30 am

PR02-02

Poster Moderator: F. Shapiro, DO, *Harvard Medical School, Beth Israel Deaconess Medical Center, Boston, MA*

S-180 COST-EFFECTIVENESS ANALYSIS OF ROCURONIUM AND SUGAMMADEX VERSUS SUCCINYLCHOLINE FOR RAPID SEQUENCE INDUCTION

J. Lundberg², R. P. Insinga¹

¹Department of Health Economic Statistics, Merck & Co., Inc., Whitehouse Station, NJ;

²Outcomes Research, MSD, Sollentuna, Sweden

S-181 PEDIATRIC SEDATION OUTSIDE THE OPERATING ROOM WITH A PARAMEDIC

A. Targ, A. Rogers

Targ Mobile Anesthesia, Palo Alto, CA

S-182 30 OUT OF 50 STATES NOW MANDATE PRIVATE MEDICAL INSURERS MUST PAY CHARGES FOR PEDIATRIC DENTAL SEDATION

A. Targ

Targ Mobile Anesthesia, Palo Alto, CA

S-183 ECONOMIC IMPACT OF MULTI-DISCIPLINARY PATHWAY FOR URO-ONCOLOGY SURGICAL SERVICES IN A TERTIARY TEACHING HOSPITAL IN THE UNITED KINGDOM

T. Quraishi, U. Panchagnula, S. Bansal

Department of Anaesthesia, Central Manchester University Hospitals, Manchester, United Kingdom

S-184 COST-CONSEQUENCE ANALYSIS OF CLONIDINE FOR THE PREVENTION OF PERIOPERATIVE CARDIOVASCULAR EVENTS IN NONCARDIAC SURGERY PATIENTS

G. A. Lurati Buse^{1,2}, R. Goeree³

¹Anesthesiology, University Hospital, Basel, Switzerland;

²Population Health Research Institute, McMaster University, Hamilton, ON, Canada; ³Clinical Epidemiology and

Biostatistics, McMaster University, Hamilton, ON, Canada

S-185 CONTEMPORARY ANALYSIS OF THE INCIDENCE AND ECONOMIC IMPACT OF POSTOPERATIVE PNEUMONIA

S. J. Agarwal¹, S. D. Kelley^{1,2}, M. G. Erslon¹, S. T. Bent³

¹Covidien, Mansfield, MA; ²Brigham and Women's Hospital, Boston, MA; ³Tulane University Department of Anesthesiology, New Orleans, LA

S-186 TIME TRENDS IN INDEMNITY AND OTHER EXPENSE ASSOCIATED WITH MALPRACTICE CLAIMS AGAINST ANESTHESIOLOGISTS, UNITED STATES, 1986-2010

G. Li^{1,2}, J. Xiong¹

¹Anesthesiology, Columbia University, New York, NY;

²Epidemiology, Columbia University, New York, NY

Education and Patient Safety 5**Abstracts in Poster Discussion Round: S-192, S-216 – S-222****Presenters in Attendance: 8:00 am – 9:30 am****PRO2-03**

Poster Moderator: R. Schumann, MD, Tufts Medical Center, Boston, MA

S-192 REAL AMOUNT OF DRINKING INVESTIGATION WITH THE PREOPERATION ORAL REHYDRATION THERAPYY. Fukushima¹, S. Tani¹, T. Tateda²

¹Anesthesiology, Tama South Regional Hospital, Tama, Japan; ²Anesthesiology, St. Marianna University School of Medicine, Kawasaki, Japan

S-216 COMBINED TRAINING OF TECHNICAL AND NONTECHNICAL SKILLS FOR AIRWAY MANAGEMENT IN THE ICUB. Grande¹, M. Kolbe², M. Weiss², G. Grote², D. R. Spahn^{1,3}, P. Steiger³

¹Institute of Anesthesiology, University Hospital Zurich, Zurich, Switzerland; ²Management, Technology, and Economics, ETH Zurich, Zurich, Switzerland;

³Surgical Intensive Care, University Hospital Zurich, Zurich, Switzerland

S-217 COMPARISON OF RESPONSES AT EMERGENCE TO RESPONSES IN THE PACU IN PATIENTS WHO SPEAK ENGLISH AS A SECOND LANGUAGE

D. Levine, R. Bhansali, B. Dauber, T. Tarsha, D. Glick
Anesthesia and Critical Care, University of Chicago, Chicago, IL

S-218 AN ANESTHESIA CRITERION-REFERENCED ASSESSMENT TOOL STRATIFYING LEARNERS BY SKILL LEVELW. K. Bernstein¹, D. Schreiber¹, Y. Zhu³, S. Carter Chase², I. M. George^{2,3}

¹Anesthesiology, University of Maryland, Baltimore, MD; ²MASTRI Center, University of Maryland, Baltimore, MD; ³Surgery, University of Maryland, Baltimore, MD

S-219 THE IMPACT OF SELF-ASSESSED LANGUAGE SKILLS AS A PREDICTOR OF LANGUAGE PREFERENCE UPON EMERGENCE

B. Dauber, J. Yin, D. Glick

Anesthesia and Critical Care, University of Chicago, Chicago, IL

S-220 COMPARING OF ACROMIOAXILLOSUPRATERAL NOTCH INDEX (A NEW TEST) WITH MODIFIED MALLAMPATI TEST IN PREDICTING DIFFICULT LARYNGOSCOPIC VIEW

A. R. Jafari, M. R. Kamranmanesh, H. Aghamohammadi, B. Gharaei, M. Poorzamani, A. H. Kashi
Tehran, Islamic Republic of Iran

S-221 CROSS-CONTAMINATION OF REUSABLE ANESTHESIA EQUIPMENT IN THE OPERATING ROOM

B. Saumande, B. Samyn, B. Lebas, V. Garcia, L. Belotti, P. Diemunsch
Strasbourg, France

S-222 CLINICAL USE OF SPECIALIZED AIRWAY DEVICES: THE EVALUATION PROCESS

J. May, E. Crawford, L. Hoke, A. Blevins, R. Calicott, Y. F. Bryan
Anesthesiology, Wake Forest School of Medicine, Winston-Salem, NC

Neuroanesthesia 1**Abstracts in Poster Discussion Round: S-308 – S-314****Presenters in Attendance: 8:00 am – 9:30 am****PRO2-04**

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

S-308 SEVOFLURANE, LARYNGEAL MASK AIRWAY AND SINGLE-DOSE DEXMEDETOMIDINE: A BETTER CHOICE FOR PATIENTS UNDERGOING ENDOVASCULAR COIL EMBOLIZATION

W. Tan, Y. Jiang, H. Ma

Department of Anesthesiology, The First Hospital of China Medical University, Shenyang, China

S-309 WITHDRAWN**S-310 CEREBRAL ANEURYSM SURGERY AS AMBULATORY DAY SURGERY**

N. Goettel, L. Venkatraghavan, P. Manninen

Anesthesia, UHN Toronto Western Hospital, Toronto, ON, Canada

S-311 INHIBITION OF BECLIN-1/CLASS III PI3K DEPENDENT AUTOPHAGY BY PROPOFOL PREVENTS NEURONAL PC12 CELLS DEATH DURING GLUCOSE AND OXYGEN DEPRIVATION IN VITROD. Cui¹, L. Wang¹, A. Qi², Q. Zhou¹, X. Zhang¹, W. Jiang¹

¹Anesthesiology, Shanghai Sixth People's Hospital Affiliated with Shanghai Jiaotong University, Shanghai, China;

²Postgraduate School, Soochow University, Suzhou, China

S-312 INTRAOPERATIVE DEXMEDETOMINE INFUSION ENHANCES QUALITY OF RECOVERY AND MODULATES CYTOKINE LEVELS AFTER MAJOR SPINE SURGERYM. M. Haile¹, A. Y. Bekker¹, S. Didehvar¹, M. Urban², R. P. Kline¹

¹Anesthesiology, New York University School of Medicine, New York, NY; ²Anesthesiology, Hospital for Special Surgery, New York, NY

S-313 INHIBITION OF AUTOPHAGY BY PROPOFOL INCREASES NEURONAL CELL SURVIVAL FOLLOWING CEREBRAL ISCHEMIA-REPERFUSION INJURY IN RATSD. Cui¹, L. Wang¹, A. Qi², Q. Zhou¹, X. Zhang¹, W. Jiang¹

¹Anesthesiology, Shanghai Sixth People's Hospital Affiliated with Shanghai Jiaotong University, Shanghai, China;

²Postgraduate School, Soochow University, Suzhou, China

S-314 COMPARISON OF RECOVERY TIMES FROM ROCURONIUM INDUCED MUSCLE RELAXATION AFTER REVERSAL WITH THREE DIFFERENT DOSES OF SUGAMMADEX AND SUCCINYLCHOLINE DURING ELECTROCONVULSIVE THERAPY

Y. Kadoi

Maebashi, Japan

Pain - Basic Science 2

Abstracts in Poster Discussion Round: S-346, S-348 – S-350

Presenters in Attendance: 8:00 am – 9:30 am

PR02-05

Poster Moderator: A. Buvanendran, MD, Rush University Medical Center, Chicago, IL

S-346 ROLE OF SPINAL VOLTAGE SENSITIVE CALCIUM CHANNELS ON NOCICEPTIVE BEHAVIOR AND EXCITATORY NEUROTRANSMISSION

T. Takasusuki¹, K. Nemoto¹, S. Yamaguchi¹, T. Yaksh²

¹Anesthesiology, Dokkyo Medical University, Mibu, Japan;

²Anesthesiology, University of California, San Diego, La Jolla, CA

S-348 HYPERBARIC OXYGENATION ALLEVIATES CCI-INDUCED NEUROPATHIC PAIN THROUGH INHIBITING PRO-APOPTOSIS GENES OVER-EXPRESSION IN THE SPINAL CORD

J. Du, R. Yousif, D. Foster, F. Li, Z. Yang

Anesthesiology, Upstate Medical University, Syracuse, NY

S-349 THE INVOLVEMENT OF OPIOID RECEPTORS IN THE EXERCISE-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY IN VIVO

M. Lessa, J. Borges, L. Paes, E. Tibirica

Laboratory of Cardiovascular Investigation, Oswaldo Cruz Foundation, Rio De Janeiro, Brazil

S-350 GLYCEMIC CONTROL AND SCIATIC NERVE BLOCK DURATION IN DIABETIC RATS

J. Kroin, K. J. Tuman, A. Buvanendran

Rush Medical College, Chicago, IL

Pharmacology - Basic Science 1

Abstracts in Poster Discussion Round: S-412 – S-417

Presenters in Attendance: 8:00 am – 9:30 am

PR02-06

Poster Moderator: R. Avitsian, MD, Cleveland Clinic, Cleveland, OH

S-412 A CENTURY IN PURSUIT OF THE UNITARY IDEAL: CAUSES AND CONSEQUENCES

M. Perouansky

Anesthesiology, University of Wisconsin SMPH, Madison, WI

S-413 OREXIN-A FACILITATES EMERGENCE FROM PROPOFOL ANESTHESIA IN RAT

H. Dong

Department of Anesthesiology, Xijing Hospital, Xi'an, China

S-414 PROPOFOL ENHANCES THE FIELD EXCITATORY POSTSYNAPTIC POTENTIALS IN CA1 HIPPOCAMPAL SLICES OF YOUNG AND AGED MICE

Y. Yin¹, B. Middleton¹, C. Florez², H. Beheiry³, P. L. Carlen¹

¹Toronto Western Hospital, University of Toronto, Toronto, ON, Canada;

²Toronto Western Research Institute, Toronto, ON, Canada;

³Trillium Hospital, Toronto, ON, Canada

S-415 PHAXAN_{CD}TM, A CAPTISOL[®]-ENABLED WATER SOLUBLE PREPARATION OF ALPHAXALONE FOR INTRAVENOUS ANESTHESIA AND SEDATION: COMPARISON OF TOXICITY WITH PROPOFOL AND ALTHESIN[®] IN RATS

C. S. Goodchild^{1,3}, A. Kolosov¹, B. Boyd², J. M. Serrao³

¹Monash Institute of Medical Research, Monash University, Clayton, VIC, Australia; ²Faculty of Pharmacy and Pharmaceutical Sciences, Monash University, Parkville, VIC, Australia; ³Drawbridge Pharmaceuticals Pty Ltd, Malvern, VIC, Australia

S-416 EFFECT OF BRAIN LIDOCAINE CONCENTRATION ON PROPOFOL SEDATION IN RATS

H. Ma^{1,2}, J. Mao¹, J. Meng¹, X. Chen¹, N. Zhang¹, Y. Saito²

¹Anesthesiology Department, General Hospital of Ningxia Medical University, Yinchuan, China;

²Anesthesiology Department, Shimane University Faculty of Medicine, Izumo, Japan

S-417 LIDOCAINE AND ROPIVACAINE, BUT NOT CHLOROPROCAINE, ATTENUATE TNF-ALPHA INDUCED SRC ACTIVATION, ICAM-1 PHOSPHORYLATION AND MIGRATION OF HUMAN LUNG CANCER CELLS INDEPENDENTLY FROM SODIUM CHANNEL INHIBITION

T. Piegeler^{1,2}, E. Votta-Velis², B. Beck-Schimmer¹,

D. E. Schwartz², R. D. Minshall^{2,3}, A. Borgeat⁴

¹Institute of Anesthesiology, University Hospital Zurich, Zurich, Switzerland; ²Department of Anesthesiology, University of Illinois Hospital & Health Sciences System, Chicago, IL; ³Department of Pharmacology, University of Illinois Hospital & Health Sciences System, Chicago, IL; ⁴Division of Anesthesiology, Balgrist University Hospital Zurich, Zurich, Switzerland

Challenging Case Reports 5

Abstracts in Poster Discussion Round: CC-107 – CC-113

Presenters in Attendance: 10:00 am – 11:30 am

PR02-07

Poster Moderator: S. Verghese, MD, *Children's National Medical Center, Washington, DC*

CC-107 IMPORTANCE OF COMMUNICATION BETWEEN MULTIDISCIPLINARY TEAMS DURING OBSTETRIC EMERGENCY

J. Rivers, R. R. Donald
Anesthesiology and Perioperative Medicine, Georgia Health Sciences University, Augusta, GA

CC-108 A TRIPLE CHALLENGE: BILATERAL CATARACT SURGERY IN A PATIENT WITH TRISOMY 21, UNREPAIRED ATRIOVENTRICULAR CANAL, AND EISENMENGER'S SYNDROME

J. R. Wingate, J. Eiszner, E. Heitmiller
Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, MD

CC-109 ANESTHETIC MANAGEMENT OF A 31 YEAR OLD MALE WITH PENETRATING CHEST INJURY AFTER A NAIL GUN ACCIDENT

I. Onamade, R. Ortega
Anesthesiology, Boston University Medical Center, Boston, MA

CC-110 CHALLENGING CASE REPORT: POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME (PRES) IN AN OBESE POSTPARTUM FEMALE WITH SPINAL CATHETER

H. Fox, G. H. Shih
Kansas City, KS

CC-111 THE IMPLICATIONS OF EPILEPSY AND ATYPICAL LANGUAGE ORGANIZATION IN BILINGUAL PATIENTS UPON EMERGENCE FROM GENERAL ANESTHESIA

T. Tarsha, B. Dauber, R. Bhansali, D. Levine, N. Pirwani, D. Glick
Anesthesia and Critical Care, University of Chicago, Chicago, IL

CC-112 A CASE OF FAILED NEURAXIAL ANESTHESIA IN A PARTURIENT WITH MARFAN'S SYNDROME

R. Rifaey, L. Kulicki, K. Shaw
Anesthesiology, University of Connecticut, Farmington, CT

CC-113 THE NOVEL USE OF CLEVIDIPINE FOR INTRAOPERATIVE BLOOD PRESSURE MANAGEMENT IN PHEOCHROMOCYTOMA PATIENTS

A. F. Attaallah, E. J. Lindstrom
Department of Anesthesiology, West Virginia University, Morgantown, WV

Critical Care Medicine and Trauma 2

Abstracts in Poster Discussion Round: S-161 – S-164

Presenters in Attendance: 10:00 am – 11:30 am

PR02-08

Poster Moderator: H. Morimatsu, MD, *Okayama University Hospital, Okayama, Japan*

S-161 BML-111, A LIPOXIN RECEPTOR AGONIST, PROTECTS HEMORRHAGIC SHOCK-INDUCED ACUTE LUNG INJURY IN RATS

J. Gong, H. Li, S. Guo, Y. Shang, S. Yao
Department of Anaesthesiology and Critical Care, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

S-162 THE ROLE OF NRF2 IN INNATE IMMUNE RESPONSE AND SURVIVAL DURING SEPTIC SHOCK IN CRITICALLY ILL ADULTS

R. Fuchs¹, S. Noel², L. Zheng², R. Thimmulappa², A. Navas-Acien², S. Biswal²
¹Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, MD; ²Environmental Health Science, Johns Hopkins School of Public Health, Baltimore, MD

S-163 INHALED HYDROGEN SULFIDE PREVENTS ENDOTOXIN-INDUCED SYSTEMIC INFLAMMATION AND IMPROVES SURVIVAL BY ALTERING SULFIDE METABOLISM IN MICE

K. Tokuda, E. Marutani, K. Kida, F. Ichinose
Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Charlestown, MA

S-164 SODIUM SULFIDE PREVENTS WATER DIFFUSION ABNORMALITY IN THE BRAIN AND IMPROVES LONG TERM OUTCOME AFTER CARDIAC ARREST IN MICE

K. Kida, S. Minamishima, F. Ichinose
Department of Anaesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital and Harvard Medical School, Boston, MA

Pain - Clinic - Acute 2

Abstracts in Poster Discussion Round: S-362 – S-366

Presenters in Attendance: 10:00 am – 11:30 am

PR02-09

Poster Moderator: Y. Huang, MD, Peking Union Medical College Hospital, Beijing, China

S-362 APPLICATION OF TRAMADOL ANALGESIA AFTER OFF-PUMP CORONARY ARTERY BYPASS GRAFT SURGERY

H. Zhao, Y. Feng, Y. Jiang

Anesthesiology, Peking University People's Hospital, Beijing, China

S-363 THE ASSOCIATION OF ATP-BINDING CASSETTE B1 (ABCB1) SINGLE-NUCLEOTIDE POLYMORPHISM TO MORPHINE CONSUMPTION IN POSTOPERATIVE PAIN

K. Candiotti, Y. Rodriguez, Z. Yang, Y. Zhang, O. Rodriguez

Anesthesiology, University of Miami School of Medicine, Miami, FL

S-364 PREOPERATIVE GABAPENTIN IS ASSOCIATED WITH REDUCED OPIOID CONSUMPTION IN LAPAROSCOPIC DONOR NEPHRECTOMY: A PILOT STUDY

G. B. Cierny¹, B. J. Wolf², W. D. Stoll¹, W. Hand¹, M. D. McEvoy¹

¹Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, SC; ²Biostatistics and Epidemiology, Medical University of South Carolina, Charleston, SC

S-365 PERIOPERATIVE PAIN AND MORPHINE CLEARANCE IN CHILDREN: DOES RACE MATTER?

S. Sadhasivam¹, E. Krekels², P. Ngamprasertwong¹,

V. Chidambaram¹, A. A. Vinks^{2,1}

¹Anesthesiology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH; ²Clinical Pharmacology, Cincinnati Children's Hospital Medical Center, Cincinnati, OH

S-366 OPIOID-RELATED ADVERSE EVENTS INCREASE LENGTH OF STAY AND DRIVE UP TOTAL COST OF CARE IN A NATIONAL DATABASE OF POSTSURGICAL PATIENTS.

T. Gan¹, G. Oderda², S. Robinson³

¹Anesthesiology, Duke University Health System, Durham, NC; ²Pharmacotherapy, University of Utah, Salt Lake City, UT; ³Premier Research Services, Charlotte, NC

Pediatric Anesthesia: General Topics 2

Abstracts in Poster Discussion Round: S-388 – S-390, S-392 – S-393

Presenters in Attendance: 10:00 am – 11:30 am

PR02-10

Poster Moderator: P. Davis, MD, Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA

S-388 GIANT OCCIPITAL ENCEPHALOCELE: A NEW PARADIGM

P. Kundra, A. Vasudevan

Pondicherry, India

S-389 GLIDESCOPE REDUCES LARYNGOSCOPY ASSOCIATED LARYNGOSPASM IN 1,200 CONSECUTIVE PEDIATRIC NASAL INTUBATIONS WITHOUT MUSCLE RELAXANT

A. Targ, T. West, N. Noone

Targ Mobile Anesthesia, Palo Alto, CA

S-390 CAUDAL ANESTHESIA FOR PEDIATRIC CARDIAC CATHETERIZATION

J. Bjerregaard, R. Williams

Department of Anesthesiology, Fletcher-Allen Healthcare, University of Vermont, Burlington, VT

S-392 A PHASE II/III, OPEN-LABEL, MULTICENTER, SAFETY, EFFICACY AND PHARMACOKINETIC STUDY OF DEXMEDETOMIDINE IN NEONATES AGES ≥ 28 WEEKS TO ≤ 44 WEEKS GESTATIONAL AGE

C. Chrysostomou¹, S. Schulman², M. Polak³, M. Herrera⁴, B. Cofer⁵, L. Gramlich⁶

¹Children's Hospital of Pittsburgh, Pittsburgh, PA; ²Duke University Medical Center, Durham, NC; ³West Virginia University, Morgantown, WV;

⁴Roosevelt Hospital, Guatemala City, Guatemala;

⁵Greenville Hospital System, Greenville, SC; ⁶Loyola University Medical Center, Maywood, IL

S-393 A PHASE III, RANDOMIZED, DOUBLE-BLIND, DOSE-CONTROLLED, MULTICENTER STUDY OF THE SAFETY AND EFFICACY OF DEXMEDETOMIDINE IN MECHANICALLY VENTILATED CHILDREN

G. B. Hammer¹, D. E. Soliman², C. Newth³, J. Boriosi⁴, S. Schulman⁵

¹Stanford University, Stanford, CA; ²Children's Hospital of Pittsburgh, Pittsburgh, PA; ³Children's Hospital Los Angeles, Los Angeles, CA; ⁴University of Wisconsin, Madison, WI; ⁵Duke University Medical Center, Durham, NC

Pharmacology - Clinical 2**Abstracts in Poster Discussion Round: S-450 – S-453, S-455****Presenters in Attendance: 10:00 am – 11:30 am****PRO2-11**

Poster Moderator: J. Sear, MA, BSc, MBBS, PhD, *University of Oxford, Oxford, United Kingdom*

S-450 CLINICAL EFFICACY OF THE COMBINATION OF PROPOFOL AND KETAMINE (KETOFOL) FOR DEEP SEDATION FOR COLONOSCOPIC PROCEDURE

S. Amornyotin, W. Chalayonnawin, S. Kongphlay
Anesthesiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

S-451 DEEP SEDATION FOR COLONOSCOPY IN OVERWEIGHT PATIENTS: A COMPARISON BETWEEN PROPOFOL ALONE VERSUS PROPOFOL AND KETAMINE

S. Amornyotin, S. Kongphlay
Bangkoknoi, Thailand

S-452 PREDICTION OF ADDITIONAL SUGAMMADEX IN A SHORT RECOVERY PHASE IN PEDIATRIC PATIENTS

H. Iwasaki¹, K. Takahoko¹, S. Otomo¹, T. Sasakawa², T. Kunisawa¹, H. Iwasaki¹
¹Department of Anesthesiology and Critical Care Medicine, Asahikawa Medical University, Asahikawa, Japan; ²Department of Anesthesiology, Shriners Burns Institute Shriners Hospital for Children, Massachusetts General Hospital, Harvard Medical School, Boston, MA

S-453 THE IMPACT OF PROTEIN BINDING AND HEPATIC BLOOD FLOW ON SUFENTANIL PHARMACOKINETICS DURING CARDIAC SURGERY WITH CARDIOPULMONARY BYPASS

C. Jeleazcov, T. Saari, H. Ihmsen, J. Schuettler, J. Fechner
Anesthesiology, University Hospital Erlangen, Erlangen, Germany

S-455 ROCURONIUM NEUROMUSCULAR BLOCKADE IS POTENTIATED BY ONDANSETRON

O. Desjardins St-Jean, L. Fortier, F. Donati
Anesthesia, University of Montreal, Montreal, QC, Canada

Regional Anesthesia 2**Abstracts in Poster Discussion Round: S-478 – S-481****Presenters in Attendance: 10:00 am – 11:30 am****PRO2-12**

Poster Moderator: I. Batai, MD, *University of Pecs, Pecs, Hungary*

S-478 THE EFFECT OF MUSIC ON PATIENTS' INTRA-OPERATIVE ANXIETY IN ORTHOPEDIC SURGERY UNDER SPINAL ANESTHESIA

R. Traiyawong
Anesthetic Nursing Department, Maharat Nakhornratchasima Hospital, Muang, Thailand

S-479 COMBINED LUMBER PLEXUS-SCIATIC NERVE-PARAVERTEBRAL NERVE BLOCK FOR HIP ARTHROPLASTY: A COMPARATIVE STUDY

Z. Xu, Y. Huang
Department of Anesthesiology, Peking Union Medical College Hospital, Beijing, China

S-480 WITHDRAWN**S-481 DOSE RANGING EFFECTS OF INTRATHECAL EPINEPHRINE ON ANESTHESIA/ANALGESIA : A META-ANALYSIS AND META-REGRESSION OF RANDOMIZED CONTROLLED TRIALS**

G. S. De Oliveira, R. J. McCarthy
Chicago, IL

Cardiothoracic and Vascular - Basic Science 1**Abstracts in Poster Discussion Round: S-26 – S-29****Presenters in Attendance: 1:00 pm – 2:30 pm****PRO2-13**

Poster Moderator: G. Hall, MB, BS, PhD, DSc, *St. George's, University of London, London, United Kingdom*

S-26 HEMOGLOBIN THRESHOLDS FOR TISSUE HYPOXIA IN ANEMIC MICE

G. Hare¹, K. Lee¹, A. K. Tsui¹, D. Mazer¹, M. Henkelman³, P. A. Marsden²
¹Anesthesia, University of Toronto, Toronto, ON, Canada;
²Medicine, University of Toronto, Toronto, ON, Canada;
³Medical Biophysics, University of Toronto, Toronto, ON, Canada

S-27 ISOFLURANE PROTECTS THE MURINE HEART AGAINST ISCHEMIC INJURY VIA THE PRESERVATION OF MITOCHONDRIAL RESPIRATION AND ITS SUPRAMOLECULAR ORGANIZATION

C. Lotz^{1,2}, J. Zhang², C. Fang², P. Ping², T. Smul¹
¹Anesthesiology, University of Wuerzburg, Wuerzburg, Germany; ²Physiology, University of California at Los Angeles, Los Angeles, CA

S-28 HIGH DOSE BETA-BLOCKADE ACCENTUATED CEREBRAL HYPOXIA IN ANEMIC RATS

G. Hare¹, T. Hu¹, S. Beattie¹, H. Leong_Poi², D. F. Wilson³, D. Mazer¹
¹Anesthesia, University of Toronto, Toronto, ON, Canada;
²Medicine, University of Toronto, Toronto, ON, Canada;
³Biochemistry and Biophysics, University of Pennsylvania, Philadelphia, PA

S-29 EPINEPHRINE EXPOSURE ALTERS GENE EXPRESSIONS RELATED TO CARDIAC FIBROSIS IN CULTURED RAT CARDIOMYOCYTES

H. Liu, C. J. Fox, S. Bent, S. Gomez, F. A. Rosinia, P. Kalarickal
New Orleans, LA

Challenging Case Reports 6

Abstracts in Poster Discussion Round: CC-114 – CC-119

Presenters in Attendance: 1:00 pm – 2:30 pm

PR02-14

Poster Moderator: M. Lovrinevic, MD, Roswell Park Cancer Institute, Buffalo, NY

CC-114 MANAGEMENT OF TRAUMA PATIENT WITH BULLET LODGED IN WALL OF INFERIOR VENA CAVA

K. R. Yates, B. Skulpoonkitti, K. Chaudhuri

Anesthesiology, Texas Tech Health Sciences Center, Lubbock, TX

CC-115 POSTOPERATIVE TRACHEAL TEAR AND STENT PLACEMENT OVER GUIDEWIRE IN A PATIENT WITH ARDS AND KNOWN DIFFICULT AIRWAY

J. L. Raytis, M. W. Lew

Anesthesiology, City of Hope, Duarte, CA

CC-116 A COMPLICATED CASE OF INTRACRANIAL HYPOTENSION CAUSED BY ANTERIOR CERVICAL CEREBROSPINAL FLUID LEAK ALLEVIATED BY A THORACOCERVICAL EPIDURAL BLOOD PATCH

P. Guler^{1,3}, F. S. Buonanno^{2,3}

¹Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA;

²Neurology, Massachusetts General Hospital, Boston, MA; ³Harvard Medical School, Boston, MA

CC-117 PITUITARY APOPLEXY MIMICKING POST-DURAL PUNCTURE HEADACHE

J. Lachmansingh, K. Chaudhuri, C. Vogt-Harenkamp, S. Yazdani, B. Hirsch

Anesthesiology, Texas Tech Health Sciences Center, Lubbock, TX

CC-118 MANAGEMENT OF A PATIENT WITH IMPALED FENCE POST THROUGH LEFT SIDE OF CHEST

C. Walter, C. Peña, K. Chaudhuri, J. Wasnick

Anesthesiology, Texas Tech University Health Science Center, Lubbock, TX

CC-119 PYRIFORM FOSSA TRAUMA AND ESOPHAGO-MEDIASTINAL FISTULA FOLLOWING SUCCESSFUL GLIDESCOPE® INTUBATION

S. Stern, J. B. Gross

Department of Anesthesiology, University of Connecticut School of Medicine, Farmington, CT

Education and Patient Safety 4

Abstracts in Poster Discussion Round: S-211 – S-215

Presenters in Attendance: 1:00 pm – 2:30 pm

PR02-15

Poster Moderator: S. Sundar, MD, Beth Israel Deaconess Medical Center, Boston, MA

S-211 GOAL DIRECTED USER TRAINING IMPROVES EFFICIENCY OVER CENTRICITY ANESTHESIA DURING TO EPIC ANESTHESIA AS A COMPONENT OF A SYSTEM WIDE EMR

L. C. Jameson, J. Negin, K. Bullard

Department of Anesthesiology, University of Colorado, Aurora, CO

S-212 MULTIMEDIA APP FOR ANESTHESIOLOGY: INTERACTIVE LEARNING AND SELF ASSESSMENT

C. M. Kim, N. Tahir, P. Sekhar, R. Azocar

Boston, MA

S-213 CHARTING OF ESSENTIAL ANESTHESIA ELEMENTS IS LESS RELIABLE IN EPIC THAN IN CENTRICITY

L. C. Jameson, J. Vasquez, K. Bullard

Department of Anesthesiology, University of Colorado, Aurora, CO

S-214 LARYNGEAL MORBIDITY AFTER INTUBATION WITH ENDOFLEX® TUBE VERSUS A CONVENTIONAL ENDOTRACHEALTUBE WITH STYLET – A RANDOMIZED TRIAL

M. K. Sørensen¹, N. Rasmussen², M. S. Kristensen¹, L. S. Rasmussen¹

¹Department of Anaesthesia, Centre of Head and Orthopaedics, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark; ²Department of Otorhinolaryngology, Centre of Head and Orthopaedics, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark

S-215 GO WITH THE FLOW: A TWO-WEEK LOW FLOW AND CLOSED CIRCUIT ANESTHESIA ELECTIVE FOR PEDIATRIC ANESTHESIA CLINICAL FELLOWS: EXPERIENCE OF THE FIRST TWO YEARS

A. Navedo^{1,2}, C. D. McClain^{1,2}, C. Sullivan¹, R. S. Holzman^{1,2}

¹Department of Anesthesiology, Perioperative and Pain Medicine, Children's Hospital Boston, Boston, MA; ²Harvard Medical School, Boston, MA

Equipment / Monitoring 3**Abstracts in Poster Discussion Round: S-253 – S-255, S-257 – S-258****Presenters in Attendance: 1:00 pm – 2:30 pm****PR02-16**

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

S-253 THE EFFECT OF BEACH CHAIR POSITION ON BIS VALUES DURING GENERAL ANESTHESIA

S. Kawanishi¹, M. Matsumi², H. Morimatsu³, T. Takahashi⁴, K. Morita³

¹Emergency and Critical Care Center, Tsuyama Central Hospital, Okayama, Japan; ²Department of Anesthesiology, Ryusoh Orthopedic Hospital, Okayama, Japan; ³Department of Anesthesiology and Resuscitology, Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan; ⁴Faculty of Health and Welfare Science, Okayama Prefectural University, Okayama, Japan

S-254 EVALUATION OF THE AMBU ASCOPE 2 VIDEO BRONCHOSCOPE FOR ELECTIVE AND EMERGENCY AWAKE INTUBATION

K. P. Rothfield^{1,2}, M. Ewing¹, N. Htut¹, S. Langlois¹, K. Lopez¹, M. Winik^{1,2}

¹Anesthesiology, Saint Agnes Hospital, Baltimore, MD; ²Nurse Anesthesia Training Program, University of Maryland, Baltimore, MD

S-255 THE SENSASCOPE: A LEARNING CURVE DEPENDING OF THE USERS' EXPERIENCE

F. Dimache, N. Stojeba, M. Baron, A. Nastasie, P. Diemunsch
Anesthesiology and Intensive Care, Strasbourg University Hospital, Strasbourg, France

S-257 NON-INVASIVE HEMOGLOBIN MONITORING DURING CARDIOVASCULAR SURGERY

M. L. Riess^{1,2}, D. Nabor¹, B. Ekstrom¹, P. S. Pagel^{1,2}

¹Medical College of Wisconsin, Milwaukee, WI;

²Anesthesiology, VA Medical Center, Milwaukee, WI

S-258 PULSE TRANSIT TIME CAN PREDICT THE HEMODYNAMIC EFFECTS OF POSITIVE PRESSURE VENTILATION

K. Yamashita, T. Kawano, T. Yatabe, H. Abe, M. Yokoyama
Anesthesiology and Critical Care Medicine, Kochi Medical School, Nankoku, Japan

Obstetric Anesthesia 2**Abstracts in Poster Discussion Round: S-332 – S-336****Presenters in Attendance: 1:00 pm – 2:30 pm****PR02-17**

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

S-332 INTRAUTERINE FETAL KETAMINE FOR IMMOBILITY DURING CORDOCENTESIS AND FETAL TRANSFUSION

S. K. Patteson, M. Graham

Anesthesiology, University of Tennessee Medical Center, Knoxville, TN

S-333 DOES THE ADDITION OF ONDANSETRON TO IV-PATIENT CONTROLLED NALOXONE FURTHER IMPROVES POST C/S EPIDURAL -FENTANYL INDUCED PRURITUS TREATMENT?

S. Shah, S. Cohen, S. Zisa, A. Mohammed, P. Patel, S. Barsoum
Anesthesiology, RWJMS-UMDNJ, New Brunswick, NJ

S-334 HEMODYNAMIC PROFILE OF PATIENTS HAVING CESAREAN DELIVERY UNDER SPINAL ANESTHESIA OBTAINED BY CONTINUOUS MEASUREMENT OF CARDIAC OUTPUT AND STROKE VOLUME

Y. Liu, M. M. Pian-Smith, L. R. Leffert, R. Minehart, R. M. Kacmarek, Y. Jiang

Massachusetts General Hospital, Boston, MA

S-335 EFFECT OF POSITIONING FROM SUPINE AND LEFT RECUMBENT TO LEFT SEMI RECUMBENT ON MATERNAL BLOOD FLOW VELOCITIES AND WAVE FORMS IN FULL TERM PARTURIENTS

P. Kundra, J. Velraj, U. Amirthalingam, S. Habeebullah
Pondicherry, India

S-336 WITHDRAWN

Pharmacology - Basic Science 2
Abstracts in Poster Discussion Round: S-418 – S-422
Presenters in Attendance: 1:00 pm – 2:30 pm

PR02-18

Poster Moderator: T. Krejcie, MD, *Northwestern Feinberg School of Medicine, Chicago, IL*

S-418 CARBOETOMIDATE INHIBITS $\alpha 4\beta 2$ NEURONAL NICOTINIC ACETYLCHOLINE RECEPTORS AT CLINICALLY RELEVANT CONCENTRATIONS

S. A. Forman, D. W. Pierce, E. Pejo, M. Haburcak, D. E. Raines
 Anesthesia Critical Care & Pain Medicine,
 Massachusetts General Hospital, Boston, MA

S-419 WITHDRAWN

S-420 THE APPLICATION OF MIDAZOLAM ON DEVELOPING NEURONS INDUCES PROFOUND CHANGES IN GABAA RECEPTOR EXPRESSION

B. Sinner¹, O. Friedrich², B. M. Graf¹
¹Department of Anesthesiology, University of Regensburg, Regensburg, Germany; ²Medical Biotechnology, University of Erlangen-Nueremberg, Erlangen, Germany

S-421 ANESTHETIC EFFECTS ON SYNAPTIC GABAA RECEPTORS CONTAINING $\delta 3$ SUBUNITS ARE QUANTITATIVELY SIMILAR TO RECEPTORS CONTAINING $\delta 2$

S. A. Forman, M. Haburcak, D. Stewart, Y. Jounaidi
 Anesthesia Critical Care & Pain Medicine,
 Massachusetts General Hospital, Boston, MA

S-422 ALPHA-E432: A NOVEL TORPEDO NICOTINIC ACETYLCHOLINE RECEPTOR AZI OCTANOL PHOTOLABEL SITE

P. Dershwitz¹, Z. Dostalova¹, K. Parker², D. Stewart¹, K. W. Miller¹, S. A. Forman¹
¹Anesthesia Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, MA;
²Virgin Instruments Corp., Sudbury, MA

Challenging Case Reports 2
Abstracts in Poster Discussion Round: CC-89 – CC-90, CC-92 – CC-94
Presenters in Attendance: 3:00 pm – 4:30 pm

PR02-19

Poster Moderator: D. Bustamante, MD, *University of Tennessee, Graduate School of Medicine, Knoxville, TN*

CC-89 PERIOPERATIVE MANAGEMENT OF PATIENT WITH HEREDITARY ANGIOEDEMA FOR WISDOM TEETH EXTRACTION

N. Doiron, E. Cox
 Knoxville, TN

CC-90 ANESTHETIC IMPLICATIONS IN A CHILD WITH HEMOGLOBIN H-CONSTANT SPRING DISEASE

C. Abdallah, W. Daley
 Anesthesiology, Children's National Medical Center, Washington, DC

CC-92 CHALLENGING CASE REPORT: EPIDURAL ANESTHESIA IN AN ACHONDROPLASTIC DWARF WITH A VENTRICULOPERITONEAL SHUNT

P. Sekhar, E. Feliz
 Boston, MA

CC-93 ANESTHETIC CONSIDERATIONS IN A PATIENT RECEIVING A TRANSPLANTED HEART PROCURED FROM A DONOR EXPOSED TO CARBON MONOXIDE

J. R. Rentz¹, R. Dinavahi¹, J. Chen², R. Kazim¹
¹Division of Pediatric Anesthesiology, Columbia University, New York, NY; ²Division of Cardiothoracic Surgery, Columbia University, New York, NY

CC-94 INTRA-OPERATIVE PONTINE INFARCTION: A HIDDEN CHALLENGE

N. Marcanthony, E. Farag
 Anesthesiology, Cleveland Clinic, Cleveland, OH

Equipment / Monitoring 2**Abstracts in Poster Discussion Round: S-247 – S-252****Presenters in Attendance: 3:00 pm – 4:30 pm****PR02-20**

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

S-247 AN AFFORDABLE MINIATURE MACHINE FOR PEDIATRIC ANESTHESIA OUTSIDE THE OPERATING ROOM

A. Targ

Targ Mobile Anesthesia, Palo Alto, CA

S-248 AMOUNT OF ACCIDENTAL MEDICATION FLUSH BY SYRINGE PUMP DUE TO INAPPROPRIATE RELEASE OF OCCLUDED INTRAVENOUS LINE

H. Kawakami, T. Miyashita, R. Yanaizumi, H. Sato, T. Kariya, T. Goto

Department of Anesthesiology, Yokohama City University, Yokohama, Japan

S-249 COMPARISON OF AIRWAY SCOPE® AND AIRTRAQ® FOR TRACHEAL INTUBATION IN INFANT WITH AND WITHOUT CHEST COMPRESSIONS – A MANNEQUIN STUDY-

A. Tampo¹, A. Suzuki¹, S. Sako², T. Kunisawa², H. Iwasaki², S. Fujita¹

¹Emergency, Asahikawa Medical University, Asahikawa, Japan; ²Anesthesiology & Critical Care Medicine, Asahikawa Medical University, Asahikawa, Japan

S-250 TOTAL INTRAVENOUS ANESTHESIA USING EITHER BISPECTRAL INDEX MONITORING OR TARGET CONTROLLED INFUSION IN MAJOR ABDOMINAL SURGERY

S. El-Hadi¹, M. M. Omran²

¹Anesthesia, Faculty of Medicine, Alexandria, Egypt;

²Anesthesia, Royalehayat Hospital, Kuwait, Kuwait

S-251 BULLARD LARYNGOSCOPE TIP SEPARATION

C. C. Wold, M. J. Rice

University of Florida, Gainesville, FL

S-252 A NEW JACKSON TABLE AUGMENTS TISSUE INTERFACE PRESSURE IN THE PRONE POSITION

Y. Miyake¹, H. Kinoshita², H. Maeda¹, M. Yamashita¹, M. Hirayama², M. Kawakami³

¹Nursing, Wakayama Medical University Kihoku Hospital, Katsuragi-cho, Japan; ²Anesthesiology, Wakayama Medical University, Wakayama, Japan; ³Orthopedic Surgery, Wakayama Medical University Kihoku Hospital, Katsuragi-cho, Japan

Geriatric Anesthesia 1**Abstracts in Poster Discussion Round: S-280 – S-285****Presenters in Attendance: 3:00 pm – 4:30 pm****PR02-21**

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

S-280 PARADOXICAL FEATURES OF NITROUS OXIDE-OXYGEN-REMIFENTANIL ANESTHESIA

M. Uchida, N. Fukuhara, A. Maruyama, K. Ishii, M. Tamura, T. Jinma

Anesthesiology, Social Insurance Chuo General Hospital, Shinjyuku, Japan

S-281 PROPOFOL DEEP SEDATION FOR SMALL BOWEL ENTEROSCOPY PROCEDURE IN ELDERLY PATIENTS IN A DEVELOPING COUNTRY

S. Kongphlay, S. Amornyotin
Bangkoknoi, Thailand

S-282 PROPOFOL DEEP SEDATION FOR ELDERLY PATIENTS: A COMPARISON BETWEEN EUS WITH OR WITHOUT FINE NEEDLE ASPIRATION PROCEDURE

S. Amornyotin, S. Kongphlay
Bangkoknoi, Thailand

S-283 COMPLICATION RATE AND ALTERATION OF BLOOD PRESSURE AND HEART RATE AFTER UNSEDATED ESOPHAGOGASTRODUODENOSCOPY IN ELDERLY PATIENTS

S. Amornyotin, W. Chalayonnawin, S. Kongphlay
Anesthesiology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

S-284 PRE-OXYGENATION WITH A NO-COST TSE “MASK” PREVENTS SEVERE DESATURATION AND REDUCES THE NEED FOR BAG-MASK VENTILATION IN ELDERLY PATIENTS UNDER DEEP PROPOFOL SEDATION DURING UPPER GI ENDOSCOPY

J. Tse, K. Dauphinee, T. Mehta, C. W. Hunter, L. Spina, S. Cohen
Dept of Anesthesia, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

S-285 PRE-OXYGENATION WITH A NO-COST TSE “MASK” PREVENTS SEVERE DESATURATION AND REDUCES THE NEED FOR ASSISTED BAG-MASK VENTILATION IN PROPOFOL-SEDATED ELDERLY PATIENTS DURING CARDIOVERSION/AICD TESTING

T. Mehta, P. Patel, G. George, S. Cohen, S. Barsoum, J. Tse
Dept. of Anesthesia, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

Pediatric Anesthesia: Neonatal Safety and Anesthetics 1
Abstracts in Poster Discussion Round: S-399 – S-402
Presenters in Attendance: 3:00 pm – 4:30 pm

PR02-22

Poster Moderator: J. DiNardo, MD, *Children's Hospital Boston, Boston, MA*

S-399 ISOFLURANE EXPOSURE IS ASSOCIATED WITH DECREASED MIGRATION AND ALTERED ACTIVATION MORPHOLOGY IN CULTURED RODENT MICROGLIA

R. Zhu, C. D. Bub, J. M. O'Donnell, V. L. Jacobs, S. C. Hillier, E. A. Romero-Sandoval
 Anesthesiology, Dartmouth-Hitchcock Medical Center, Lebanon, NH

S-400 INCREASING CUMULATIVE EXPOSURE TO VOLATILE ANESTHETIC AGENTS AND NARCOTICS IS ASSOCIATED WITH POORER NEURODEVELOPMENTAL OUTCOMES IN PATIENTS WITH HYPOPLASTIC LEFT HEART SYNDROME

L. K. Diaz¹, S. Koh², M. Gerdes³, X. Luan³, M. Rehman¹, J. W. Gaynor²
¹Anesthesiology and Critical Care Medicine, The Children's Hospital of Philadelphia, Philadelphia, PA; ²Cardiothoracic Surgery, The Children's Hospital of Philadelphia, Philadelphia, PA; ³Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA

S-401 CARBON MONOXIDE PREVENTS ANESTHESIA-INDUCED NEUROAPOPTOSIS IN NEWBORN MICE

R. Levy, Y. Cheng
 Washington, DC

S-402 COMPARATIVE NEUROTOXIC EFFECTS OF DEXMEDETOMIDINE AND KETAMINE IN PRENATAL MONKEY BRAINS

E. Koo¹, T. Oshodi²
¹Research and Development - Preclinical, Hospira, Inc., Lake Forest, IL; ²Maccine Pte Ltd, Singapore, Singapore

Pharmacology - Clinical 1

Abstracts in Poster Discussion Round: S-445 – S-449
Presenters in Attendance: 3:00 pm – 4:30 pm

PR02-23

Poster Moderator: C. Rosow, MD, *Harvard Medical School, Boston, MA*

S-445 THE INCIDENCE OF THE PROPOFOL-INDUCED YAWNING RESPONSE IS HIGHER IN POSTMENOPAUSAL WOMEN

K. Terasako
 Shobara Red Cross Hospital, Shobara-City, Japan

S-446 WITHDRAWN

S-447 MONOAMINE OXIDASE INHIBITORS AND THE OCCURRENCE OF INTRAOPERATIVE HEMODYNAMIC EVENTS

I. Van Haelst^{1,2}, T. Egberts^{2,3}, H. Doodeman¹, C. Kalkman⁴, W. van Klei⁴
¹Clinical Pharmacy, Medical Center Alkmaar, Alkmaar, Netherlands; ²Clinical Pharmacy, University Medical Center Utrecht, Utrecht, Netherlands; ³Pharmacoepidemiology and Pharmacotherapy, Utrecht Institute for Pharmaceutical Sciences, Utrecht, Netherlands; ⁴Perioperative Care and Emergency Medicine, University Medical Center Utrecht, Utrecht, Netherlands

S-448 INFLUENCES ON GLUCOSE METABOLISM OF PRIOR AMINO ACID ADMINISTRATION AFTER STARTING PREOPERATIVE FASTING AND THE USEFULNESS OF AMINO ACID INTAKE COMBINED WITH CARBOHYDRATE LOAD

M. Tanno, H. Fukushima, S. Ohara, Y. Tanaka
 Mito Medica Center National Hospital Organization, Ibaraki-machi Iaraki-ken, Japan

S-449 OPTIMAL CONTROL OF MUSCLE RELAXATION FOR ELECTROCONVULSIVE THERAPY: A COMPARISON OF SUCCINYLCHOLINE VERSUS ROCURONIUM-INDUCED NEUROMUSCULAR BLOCKADE

H. Mirzakhani^{1,3}, C. A. Welch^{2,3}, E. George^{1,3}, T. O. MacDonald^{1,3}, A. Nozari^{1,3}, M. Eikermann^{1,3}
¹Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA; ²Psychiatry, Massachusetts General Hospital, Boston, MA; ³Harvard Medical School, Boston, MA

Regional Anesthesia 3**Abstracts in Poster Discussion Round: S-473, S-482 – S-486****Presenters in Attendance: 3:00 pm – 4:30 pm****PR02-24****Poster Moderator:** H. Benzon, MD, *Northwestern University Feinberg School of Medicine, Chicago, IL***S-473 STELLATE GANGLION BLOCK OFFERS THE FIRST BIOLOGIC TREATMENT FOR POST-TRAUMATIC STRESS DISORDER: PRELIMINARY RESULTS AND POSTULATED MECHANISM OF ACTION**E. G. Lipov¹, M. Navaie², E. T. Stedje-Larsen³, K. Burkhardt¹, J. C. Smith², A. Hickey³¹Advanced Pain Centers, S.C., Hoffman Estates, IL;²Advance Health Solutions, LLC, La Jolla, CA;³Department of Anesthesiology, Naval Medical Center San Diego, San Diego, CA**S-482 TROUBLE-SHOOT CONTINUOUS PERIPHERAL NERVE CATHETER, HOW MUCH SHOULD WE WITHDRAW?**

J. Liu

Department of Anesthesiology and Critical Care, University of Pennsylvania, Philadelphia, PA

S-483 A TIME STUDY OF NEURAXIAL REGIONAL ANESTHESIA TECHNIQUE FROM PATIENT POSITIONING TO NEEDLE INSERTION: IMPLICATIONS FOR CHLORHEXIDINE SKIN ANTISEPSISE. Manis¹, P. Nystrom²¹Wright State University Boonshoft School of Medicine, Dayton, OH; ²Anesthesiology, Pulmonary and Critical Care Medicine, Department of Veterans Affairs Medical Center, Dayton, OH**S-484 A MODEL OF TAIL NERVE BLOCK IN CONSCIOUS RATS**Z. Li^{1,2}, J. Liu^{2,3}¹Department of Pharmacology, West China School of Pharmacy, Sichuan University, Chengdu, China;²Laboratory of Anaesthesia and Critical Care Medicine, West China Hospital, Sichuan University, Chengdu, China;³Department of Anesthesiology, West China Hospital, Sichuan University, Chengdu, China**S-485 ASSOCIATION OF BMI WITH POSTOPERATIVE PAIN AND QUALITY OF RECOVERY AFTER TOTAL HIP REPLACEMENT: ROLE OF INSULIN RESISTANCE**J. J. Bae¹, R. Motaghedi², P. M. Shaw¹, S. G. Memtsoudis¹, S. S. Liu¹¹Anesthesiology, Hospital for Special Surgery, New York, NY; ²Pediatrics, New York-Presbyterian Hospital/Weill Cornell Medical Center, New York, NY**S-486 SATISFACTION LEVEL WITH TOPICAL VERSUS PERIBULBAR ANESTHESIA EXPERIENCED BY SAME PATIENT FOR PHACOEMULSIFICATION**

N. Ahmad, A. Zahoor

Anesthesia, King Khaled Eye Specialist Hospital, Riyadh, Saudi Arabia

Ambulatory Anesthesia 1**Abstracts in Poster Discussion Round: S-01 – S-05****Presenters in Attendance: 4:30 pm – 6:00 pm****PR02-25****Poster Moderator:** F. Donati, PhD, MD, FRCPC, *Université de Montréal, Quebec, Canada***S-01 IS THE BIS INDEX A RELIABLE AND ACCURATE PREDICTOR OF AIRWAY OBSTRUCTION AND SEDATION QUALITY IN OUTPATIENT SEDATION IN DENTAL CLINIC?**A. S. Sabouri^{1,2}, C. Heard¹, P. R. Creighton¹, A. N. Shepherd¹¹Anesthesiology, SUNY at Buffalo, Buffalo, NY;²Anesthesiology, Critical Care and Pain Medicine, MGH, Boston, MA**S-02 EVALUATION OF DEXMEDETOMIDINE/PROFOL (D/P) COMBINATION ANESTHESIA FOR PATIENTS WITH OBSTRUCTIVE SLEEP APNEA (OSA) CHARACTERISTICS DURING UPPER GASTROINTESTINAL (GI) ENDOSCOPY**M. Rasmussen¹, M. S. Hannallah¹, J. Carroll², A. Charabaty², C. Palese², N. Haddad²¹Department of Anesthesia, Georgetown UniversityHospital, Washington, DC; ²Department of Gastroenterology, Georgetown University Hospital, Washington, DC**S-03 THE EFFECTS OF A CUSTOMIZABLE, OFFICE-BASED SURGICAL SAFETY CHECKLIST ON THE RATES OF KEY PATIENT SAFETY INDICATORS**N. Rosenberg¹, S. Gallagher², J. Stenglein³, R. Urman³, P. Hess³, F. E. Shapiro³¹University of Massachusetts Medical School, Worcester,MA; ²Tufts University School of Medicine, Boston,MA; ³Harvard Medical School, Boston, MA**S-04 APREPITANT FOR THE PREVENTION OF POSTOPERATIVE NAUSEA AND VOMITING: A PROSPECTIVE, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY IN PATIENTS UNDERGOING LAPAROSCOPIC CHOLECYSTECTOMY**M. B. Silverberg^{1,2}, V. R. Pothula², A. Schiavone², P. Muddasani², A. Madupu², S. Allanku²¹Anesthesiology, Toms River Surgery Center,Toms River, NJ; ²Anesthesiology, Staten Island University Hospital, Staten Island, NY**S-05 DOES GENERAL ANESTHESIA INCREASE THE DIAGNOSTIC YIELD OF EUS-GUIDED FINE NEEDLE ASPIRATION OF PANCREATIC MASSES?**C. Ootaki¹, T. Stevens², J. Vargo², Y. Jing³, A. Shiba³, W. G. Maurer⁴¹Anesthesiology, Wake Forest University, Winston-Salem, NC;²Digestive Disease Institute, Wake Forest University, Cleveland, OH; ³Outcomes Research, ClevelandClinic, Cleveland, OH; ⁴Anesthesiology, Cleveland Clinic, Cleveland, OH

Challenging Case Reports 8

Abstracts in Poster Discussion Round: CC-126 – CC-131

Presenters in Attendance: 4:30 pm – 6:00 pm

PRO2-26

Poster Moderator: S. Wahlander, MD, Columbia University Medical Center, New York City, NY

CC-126 MEDICALLY CHALLENGING CASE: POSTOPERATIVE MANAGEMENT OF PATIENT WITH CHRONIC PAIN SYNDROME UTILIZING NON-NARCOTIC ADJUVANT THERAPY

J. Geier, S. Littwin, D. Kramer
Anesthesiology, St. Luke's Roosevelt Hospital Center - Columbia University School of Physicians and Surgeons, New York, New York, NY

CC-127 MEDICALLY CHALLENGING CASE: SPINAL ANESTHESIA FOR PROFESSIONAL SINGER UNDERGOING LUMBAR DISCECTOMY

D. Kramer, S. Chen
Freehold, NJ

CC-128 A CHALLENGING CASE REPORT: AWAKE CRANIOTOMY WITH CORTICAL EVOKED POTENTIAL MONITORING IN AN OBESE PATIENT UTILIZING DEXMEDETOMIDINE AND REMIFENTANIL

D. Kramer, F. Chiao
Anesthesiology, St. Lukes Roosevelt Hospital Center-Columbia University School of Physicians and Surgeons, New York, New York, NY

CC-129 RATE DEPENDENT LEFT BUNDLE BRANCH BLOCK, IS IT ALSO BLOOD PRESSURE DEPENDENT?

E. Nguyen, A. Elsharydah, M. Hayes
Anesthesiology and Pain Management, UT Southwestern Medical Center, Dallas, TX

CC-130 FEMORO-FEMORAL CARDIOPULMONARY BYPASS FOR TRACHEOSTOMY IN THE IMPOSSIBLE AIRWAY

J. H. Gardes¹, R. Smith², J. Leff¹, W. Jakobleff³, T. Straker¹
¹Anesthesiology, Einstein-Montefiore Medical Center, Bronx, NY; ²Otolaryngology, Einstein-Montefiore Medical Center, Bronx, NY; ³Cardiovascular Surgery, Einstein-Montefiore Medical Center, Bronx, NY

CC-131 AIRWAY MANAGEMENT IN LOW TRACHEAL TUMOUR- AN ANAESTHETIC CHALLENGE

S. Gombhar¹, R. Jayant², U. Dalal³
¹Anaesthesia, Government Medical College & Hospital Sector 32, Chandigarh, India; ²Anaesthesia, Government Medical College & Hospital Sector 32, Chandigarh, India; ³Surgery, Government Medical College & Hospital Sector 32, Chandigarh, India

Education and Patient Safety 7

Abstracts in Poster Discussion Round: S-231 – S-236

Presenters in Attendance: 4:30 pm – 6:00 pm

PRO2-27

Poster Moderator: E. Nemergut, MD, University of Virginia Health System, Charlottesville, VA

S-231 USING HIGH-FIDELITY SIMULATION AND SKILLS TRAINING IN-SITU TO PREPARE ANESTHESIOLOGY RESIDENTS FOR A PEDIATRIC ANESTHESIA ROTATION

J. Lau, R. Minehart, A. Derevianko, C. Mai
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA

S-232 PLATFORM FOR OPERATING ROOM TEACHING AND LEARNING (PORTAL): DEVELOPMENT OF A NEW EDUCATIONAL PARADIGM

J. P. Wanderer, K. H. Baker, S. A. Forman
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, MA

S-233 RECOVERING THE LONG-LOST 1937 TROPHY AWARDED TO THE FOUNDERS MCMECHAN BY THE INTERNATIONAL ANESTHESIA RESEARCH SOCIETY

G. S. Bause
¹Anesthesiology & Perioperative Medicine, Case Western Reserve University, Cleveland, OH; ²Wood Library-Museum of Anesthesiology, Park Ridge, IL

S-234 TEACHING INTRAVENOUS CATHETER PLACEMENT TO MEDICAL STUDENTS

E. Thackeray, Z. Stehlikova
Anesthesiology, University of Utah, Salt Lake City, UT

S-235 DEVELOPING PUBLICATIONS FOR THE MOBILE PHYSICIAN WITH EPUB AND ADOBE INDESIGN®

R. Montoya, G. Sheplock
Department of Anesthesia, Indiana University School of Medicine, Indianapolis, IN

S-236 IMPLEMENTATION OF A COMPREHENSIVE BUT SIMPLE METHOD TO MANAGE AND TRACK RESIDENT KNOWLEDGE AND SKILL ACQUISITION DURING PEDIATRIC ANESTHESIA TRAINING: IMPACT ON ITS FIRST GRADUATING CLASS

D. Chau, E. Bowe, R. Brown, A. DiLorenzo
Anesthesiology, University of Kentucky, Lexington, KY

Equipment / Monitoring 4

Abstracts in Poster Discussion Round: S-259 – S-263

Presenters in Attendance: 4:30 pm – 6:00 pm

PR02-28

Poster Moderator: I. Hilmi, MB CHB, FRCA, *University of Pittsburgh, Wexford, PA*

S-259 40 CASES OF TRACHEAL INTUBATION USING BOTH STYLETScope AND GLIDEScope (THE TAKUMI METHOD)

K. Dote

Ehime, Japan

S-260 COMMON INDICATIONS OF HYPERBARIC OXYGEN (HBO₂) THERAPY IN THE UNITED STATES: A SURVEY OF HBO₂ THERAPY FACILITIES

P. Saththasivam, M. Pell, K. Voralu, G. Mychaskiw

Anesthesiology and Perioperative Medicine, Hahnemann University Hospital/Drexel University College of Medicine, Philadelphia, PA

S-261 INFLUENCES OF METHANE IN CONCENTRATION DETERMINATION OF VOLATILE ANESTHETICS IN HUMAN AND GOATS

Z. Li^{1,2}, J. Liu^{2,3}

¹Department of Pharmacology, West China School of Pharmacy, Sichuan University, Chengdu, China; ²Lab of Anesthesia and CCM, West China Hospital, Sichuan University, Chengdu, China; ³Department of Anesthesiology, West China Hospital, Sichuan University, Chengdu, China

S-262 GENERAL ANESTHESIA PROLONGS MODIFIED PULSE WAVE TRANSIT TIME

A. Yoshida, T. Terada, S. Okino, R. Muto, N. Sato, R. Ochiai

Anesthesiology, Toho University Medical Center Omori Hospital, Tokyo, Japan

S-263 CORRELATION OF BISPECTRAL INDEX SCORES TO MEMORY FORMATION FOLLOWING PREMEDICATION WITH MIDAZOLAM

X. Zheng, M. Feng, P. O'Connor, M. King, P. Lyons, D. Glick

Anesthesia and Critical Care, University of Chicago, Chicago, IL

Pharmacology – Basic Science 4

Abstracts in Poster Discussion Round: S-429 – S-433

Presenters in Attendance: 4:30 pm – 6:00 pm

PR02-29

Poster Moderator: R. McCarthy, MD, *Northwestern University, Chicago, IL*

S-429 THE EFFECT OF PROPOFOL ON ANANDAMIDE-INDUCED INJURY IN HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS

Y. Mishima, A. Ito, T. Ito, N. Kameyama, K. Ushijima

Anesthesiology, Kurume University, Kurume, Japan

S-430 EVALUATION OF A PROPOFOL-REMIFENTANIL RESPONSE SURFACE MODEL IN PATIENTS UNDERGOING ULTRASONIC ENDOSCOPY

C. LaPierre¹, T. Evans¹, P. Gambus², K. B. Johnson¹, T. Egan¹, D. Westenskow¹

¹Department of Anesthesiology and Biomedical Engineering, University of Utah, Salt Lake City, UT; ²Anesthesiology Department, Universidad de Barcelona, Barcelona, Spain

S-431 SYSTEMIC ENDOTOXINAEMIA-INDUCED ALTERATIONS OF SUBSTANCE P-LIKE IMMUNOREACTIVITY IN DIFFERENT ORGANS OF MICE

O. Leng¹, E. Pintér², Z. Helyes², T. Bagoly², J. Quinn³, K. Sándor²

¹Departments of Anaesthesiology and Intensive Care, University of Pécs, Pécs, Hungary; ²Pharmacology and Pharmacotherapy, University of Pécs, Pécs, Hungary; ³School of Biomedical Sciences, Liverpool University, Liverpool, United Kingdom

S-432 THE DELTA OPIOID RECEPTOR ANTAGONIST NALTRINDOLE IMPROVES SPLANCHNIC PERFUSION IN PIGS DURING CARDIOPULMONARY BYPASS

M. M. Theisen^{1,2}, T. Iden⁵, T. P. Weber³, H. Nagase⁴, M. Maas¹, K. Kaerlein¹

¹Department of Anesthesiology and Intensive Care, Münster University Hospital, Münster, Germany; ²Department of Anaesthesia and Intensive Care, Raphaelsklinik Münster, Münster, Germany; ³Department of Anesthesia and Intensive Care, St. Joseph Hospital Ruhr University Bochum, Bochum, Germany; ⁴Laboratory of Medical Chemistry, School of Pharmacy, Kitasato University, Tokyo, Japan; ⁵Department of Anesthesiology and Intensive Care, Schleswig-Holstein University Hospital, Campus Kiel, Kiel, Germany

S-433 ACID SENSING ION CHANNEL CURRENTS REGULATED BY TETRACINE

J. Lin¹, T. Leng², Z. Xiong²

¹Anesthesiology, SUNY Downstate Medical Center, Brooklyn, NY; ²Neuroscience, Morehouse School of Medicine, Atlanta, GA

SUNDAY, MAY 20

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Cardiothoracic and Vascular – Basic Science 2
Abstracts in Poster Discussion Round: S-30 – S-35
Presenters in Attendance: 8:00 am – 9:30 am

PR03-01

Poster Moderator: P. Picton, MB ChB, *University of Michigan Health System, Ann Arbor, MI*

S-30 EXERCISE AND A BREAKER OF ADVANCED GLYCATION END PRODUCTS ATTENUATE AGE RELATED VASCULAR STIFFNESS AND DECREASE TISSUE TRANSGLUTAMINASE ACTIVITY AND CROSSLINKING

J. Steppan¹, G. Sikka¹, L. Santhanam¹, D. Nyhan¹,
 D. E. Berkowitz^{1,2}

¹Anesthesiology & Critical Care Medicine, Johns Hopkins University, Baltimore, MD; ²Biomedical Engineering, Johns Hopkins University, Baltimore, MD

S-31 SYSTEMIC PERFUSION PRESSURE AND THE CLOSING PRESSURE OF THE MICROCIRCULATION: THE IMPORTANCE OF 30MM HG

S. F. Woodford

¹Anesthesia, Brisbane Waters Private Hospital, Woy Woy, NSW, Australia; ²Australian School of Advanced Medicine, Macquarie University, Sydney, NSW, Australia

S-32 GUYTON AND THE SYSTEMIC VASCULAR RESISTANCE: THE PROBLEM OF APPLYING DC CONCEPTS TO A PULSATILE SYSTEM

S. F. Woodford

¹Anesthesia, Brisbane Waters Private Hospital, Woy Woy, NSW, Australia; ²Australian School of Advanced Medicine, Macquarie University, Sydney, NSW, Australia

S-33 SPINAL ANESTHESIA AND CENTRAL HEMODYNAMICS: RE-ANALYSIS OF PILOT STUDY DATA

R. Eng¹, G. Dobson^{1,2}

¹Anesthesia, University of Calgary, Calgary, AB, Canada; ²Surgery, University of Calgary, Calgary, AB, Canada

S-34 NEUROTRANSMITTER NPY3-36 CAN INDUCE ANGIOGENESIS IN A HIGH CHOLESTEROL PIG MODEL OF CHRONIC MYOCARDIAL ISCHEMIA

A. Wang¹, F. Mahmood^{1,2}, K. Khabbaz^{1,2}, P. Hess^{1,2}, F. W. Sellke^{1,2},
 R. Matyal^{1,2}

¹Anesthesia, Beth Israel Deaconess Medical Center, Boston, MA; ²Harvard Medical School, Boston, MA

S-35 INHIBITION OF DESFLURANE-INDUCED POSTCONDITIONING IN A MURINE MODEL OF LONG TERM BETA-ADRENERGIC RECEPTOR BLOCKADE

T. Tischer-Zeitz¹, J. Stumpner¹, C. Lotz¹, M. Lange^{1,2},
 N. Roewer¹, T. Smul¹

¹Department of Anaesthesia and Critical Care, University of Würzburg, Würzburg, Germany;
²Department of Anaesthesia and Critical Care, Mathias-Spital, Rheine, Germany

Cardiothoracic and Vascular - Clinical 3
Abstracts in Poster Discussion Round: S-58 – S-64
Presenters in Attendance: 8:00 am – 9:30 am

PR03-02

Poster Moderator: M. England, MD, Tufts Medical Center,
Boston, MA

**S-58 INTRAVASCULAR EXPANSION WITH NITROGLYCERIN
ENHANCES TISSUE OXYGENATION**

S. J. Voskanian, A. Yen, N. Samimi, M. Mogos, P. Roffey,
D. Thangathurai
Anesthesiology, USC Keck School of Medicine,
Los Angeles, CA

**S-59 CORRELATION OF EARLY HEMODYNAMIC MEASURES
IN CARDIAC SURGERY TO POSTOPERATIVE
OXYGEN UTILIZATION CAPACITY**

S. Pothula¹, R. J. LaFaro¹, D. Maerz¹, L. Montes¹,
S. Oleszkiewicz¹, A. Yusupov², M. A. Inchiosa¹
¹New York Medical College, Valhalla, NY; ²New York
College of Osteopathic Medicine, Old Westbury, NY

**S-60 PRESSURE AND FLOW REGULATION IN THE AGING HUMAN
CIRCULATION: FUNCTIONAL ANALYSIS OF 370 ADULT
PATIENTS PRESENTING FOR ELECTIVE MAJOR SURGERY**

S. F. Woodford
¹Anesthesia, Brisbane Waters Private Hospital, Woy
Woy, NSW, Australia; ²Australian School of Advanced
Medicine, Macquarie University, Sydney, NSW, Australia

**S-61 THE EFFECT OF PREOPERATIVE ANTIHYPERTENSIVE
THERAPY ON INTRAOPERATIVE SYSTOLIC
BLOOD PRESSURE VARIABILITY**

J. Buehler, R. M. Craft, R. C. Carroll, C. G. Snider, Z. Dickson
Anesthesiology, University of Tennessee Medical Center,
Knoxville, TN

**S-62 RISK OF ELECTIVE MAJOR NON-CARDIAC SURGERY
AFTER CORONARY STENT INSERTION**

D. N. Wijeyesundera^{1,2}, H. C. Wijeyesundera³, M. Wasowicz²,
S. Beattie², J. Velianou⁴, D. Ko^{3,5}
¹Li Ka Shing Knowledge Institute, St. Michael's
Hospital, Toronto, ON, Canada; ²Anesthesia and Pain
Management, Toronto General Hospital, Toronto, ON,
Canada; ³Cardiology, Sunnybrook Health Sciences
Centre, Toronto, ON, Canada; ⁴Cardiology, McMaster
University, Hamilton, ON, Canada; ⁵Institute for
Clinical Evaluative Sciences, Toronto, ON, Canada

**S-63 PERIOPERATIVE REMIFENTANIL ADMINISTRATION
INHIBITS ARRHYTHMIA ATTACK INDUCED BY NON-
REENTRY MECHANISMS IN PEDIATRIC PATIENTS
UNDERGOING RADIOFREQUENCY CATHETER ABLATION**

K. Fujii^{1,2}, H. Iranami², K. Nishikawa¹
¹Anesthesiology, Wakayama Medical University,
Wakayama, Japan; ²Anesthesiology, Japanese Red Cross
Society Wakayama Medical Center, Wakayama, Japan

**S-64 INVESTIGATION OF INCIDENCE, FACTORS AND OUTCOME
MEASURES ASSOCIATED WITH INCREASED WEIGHT
GAIN FOLLOWING ADULT CARDIAC SURGERY**

A. D. Sharma¹, A. Al-Achi², H. Trettin¹, J. Seccombe¹
¹Cardiac Anesthesia/Surgery, St Vincent's Hospital,
Green Bay, WI; ²Department of Pharmaceutical
Sciences, Campbell University, Buies Creek, NC

Challenging Case Reports 9

Abstracts in Poster Discussion Round: CC-132 – CC-137

Presenters in Attendance: 8:00 am – 9:30 am

PR03-03

Poster Moderator: D. Bustamante, MD, *University of Tennessee, Graduate School of Medicine, Knoxville, TN*

CC-132 SPINAL CORD STIMULATOR FOR TREATMENT OF SPINABIFIDA, TETHERED CORD AND POST LUMBAR LAMINECTOMY SYNDROME

S. Shah, K. Delara, A. Khan, W. Grubb, P. Patel, C. W. Hunter
New Brunswick, NJ

CC-133 RESTRICTIVE AIRWAY COLLAPSE AND WORSENING CARDIAC STATUS FOLLOWING UNEVENTFUL VENTRAL DIASTASIS AND HERNIA REPAIR

K. Y. Son³, J. Andersen², D. Horak¹, M. W. Lew³
¹Pulmonary Critical Care, City of Hope, Duarte, CA;
²Plastic Surgery, City of Hope, Duarte, CA;
³Anesthesiology, City of Hope, Duarte, CA

CC-134 USE OF HIGH FREQUENCY OSCILLATORY VENTILATION (HFOV) IN A MORBIDLY OBESE PATIENT UNDERGOING CARDIAC SURGERY

A. N. Springer¹, R. S. Tripathi¹, E. J. Stein¹, B. R. Kelly¹,
J. A. Crestanello², T. J. Papadimos¹
¹Anesthesiology, The Ohio State University Medical Center, Columbus, OH; ²Surgery, The Ohio State University Medical Center, Columbus, OH

CC-135 SUBCUTANEOUS EMPHYSEMA AFTER ERCP: TRAUMATIC INTUBATION OR GI TRACT PERFORATION?

D. Chang, D. Dimaculangan
Anesthesiology, SUNY Downstate, Brooklyn, NY

CC-136 PREGNANCY AND PRIMARY PULMONARY HYPERTENSION A GOOD OUTCOME WITH NASAL NITRIC OXIDE DURING CESAREAN SECTION

M. Moallempour, N. Zachariah, G. Rodriguez, J. Rios
Department of Anesthesiology, Boston University Medical Center, Boston, MA

CC-137 CALCIPHYLAXIS WITH BREAST NECROSIS FOLLOWING CORONARY ARTERY BYPASS: A PLEA FOR GREATER RECOGNITION

R. S. Tripathi¹, M. S. Firstenberg², E. E. Abel³, S. B. Peters⁴,
N. A. Grose², T. J. Papadimos¹
¹Anesthesiology, The Ohio State University Medical Center, Columbus, OH; ²Surgery, The Ohio State University Medical Center, Columbus, OH; ³Pharmacy, The Ohio State University Medical Center, Columbus, OH; ⁴Pathology, The Ohio State University Medical Center, Columbus, OH

Education and Patient Safety 3

Abstracts in Poster Discussion Round: S-204 – S-210

Presenters in Attendance: 8:00 am – 9:30 am

PR03-04

Poster Moderator: M. London, MD, *University of California San Francisco, San Francisco, CA*

S-204 A FOUR WEEK OR MANAGEMENT ROTATION UTILIZING A CRNA-BASED EVALUATION TOOL

M. Tsai^{1,2}, Y. Patel¹, C. Yen¹, J. Kelbert², J. Easdowne³, A. Macario⁴
¹Anesthesiology, University of Vermont College of Medicine, Burlington, VT; ²Anesthesiology, Fletcher Allen Health Care, Burlington, VT;
³Anesthesiology, Vanderbilt University, Nashville, TN;
⁴Anesthesiology, Stanford University, Stanford, CA

S-205 TEACHING FACULTY TO PROVIDE DIFFICULT FEEDBACK— A FEASIBILITY STUDY

J. D. Mitchell¹, M. Brzezinski², E. J. Holak³, L. J. Fisher¹, Q. Cui¹,
S. B. Jones¹
¹Anesthesia, Critical Care, and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, MA; ²Anesthesia and Perioperative Care, University of California San Francisco, San Francisco, CA; ³Anesthesiology, Medical College of Wisconsin, Wisconsin, WI

S-206 EVALUATION OF UPPER AIRWAY COLLAPSIBILITY IN PATIENTS WITH OSAHS

N. Lin¹, Y. Li², T. Li¹, J. Ye², B. Zhang¹
¹Anesthesiology, Beijing Tongren Hospital, Capital Medical University, Beijing, China; ²Key Laboratory of Otolaryngology Head and Neck Surgery, Beijing Tongren Hospital, Capital Medical University, Beijing, China

S-207 PREVENTIVE INTERVENTIONS FOR RISING INTRAOCULAR PRESSURE: DEVELOPMENT OF AN OBSERVATION SCALE

B. L. Molloy, C. B. Watson
Fairfield, CT

S-208 EVALUATION OF A TEXT PAGING DEVICE FOR USE IN A CRITICAL MESSAGING ENVIRONMENT

R. H. Epstein¹, F. Dexter²
¹Anesthesiology, Jefferson Medical College, Philadelphia, PA; ²Anesthesia, University of Iowa, Iowa City, IA

S-209 INFORMATION SEARCH PATTERNS AMONG PRACTICING ANESTHESIOLOGISTS: SURVEY RESULTS

V. Herasevich, T. Weingarten, T. Long, B. Pickering
Department of Anesthesiology, Mayo Clinic, Rochester, MN

S-210 AUDIT INTO EARLY POSTOPERATIVE RENAL FUNCTION FOLLOWING HIP OR KNEE ARTHROPLASTY WITH TWO ANTIBIOTIC REGIMES

A. Morrison, T. Tarr
Anaesthesia, Wirral University Teaching Hospitals, Liverpool, United Kingdom

Neuroanesthesia 2

Abstracts in Poster Discussion Round: S-315 – S-319, S-321

Presenters in Attendance: 8:00 am – 9:30 am

PR03-05

Poster Moderator: S. Worah, MD, SUNY Downstate Medical Center, Brooklyn, NY

S-315 A COMPARATIVE STUDY BETWEEN DEXMEDETOMIDINE AND CLONIDINE ON HEMODYNAMIC RESPONSES DURING INTUBATION AND EXTUBATION FOR INTRACRANIAL SURGERY

A. K. Tiwari, G. S. Tomar, S. Ganguly
Dept. of Anaesthesiology & Critical Care, St. Stephen's Hospital, New Delhi, India

S-316 ANESTHESIA FOR DEEP BRAIN STIMULATION

J. N. Monteiro¹, M. Sankhe²
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²Neurosurgery, PD Hinduja National Hospital & Medical Research Centre, Mumbai, India

S-317 INCIDENCE AND RISK FACTORS FOR ACUTE KIDNEY INJURY AFTER MULTILEVEL SPINE SURGERY

B. Naik, D. Colquhoun, W. McKinney, A. Smith, M. Durieux, J. Raphael
Charlottesville, VA

S-318 WITHDRAWN

S-319 POST-SPLENECTOMY SHORT-TERM MEMORY DYSFUNCTION IN MICE IS ATTENUATED BY DELAYED TREATMENT WITH SLK, A NOVEL ANTI-PLATELET ANTIBODY

D. Shilo¹, Y. Li², A. Y. Bekker¹, T. M. Wisniewski², M. M. Haile¹
¹Anesthesiology, NYU Langone Medical Center, New York, NY; ²Neurology, NYU Langone Medical Center, New York, NY

S-321 MICRORNA-181 REGULATES BOTH CHAPERONE GRP78 AND BCL-2 FAMILY PROTEINS CHANGING OUTCOME FROM ISCHEMIC BRAIN INJURY IN VITRO AND IN VIVO IN MICE

R. Giffard¹, Y. Lu^{1,2}, L. Xu¹, L. A. Voloboueva¹, Y. Ouyang¹
¹Department of Anesthesia, Stanford University School of Medicine, Stanford, CA; ²Department of Anesthesia, Beijing Tiantan Hospital, Capital Medical University, Beijing, China

Pain - Clinic - Chronic 1

Abstracts in Poster Discussion Round: S-372 – S-376

Presenters in Attendance: 8:00 am – 9:30 am

PR03-06

Poster Moderator: K. Nishikawa, MD, Gumma University School of Medicine, Gumma, Japan

S-372 SPINAL CORD STIMULATION FOR INTRACTABLE METASTATIC SPINAL TUMOR RELATED PAIN

S. Hattori, T. Igarashi, J. Takarada, H. Sano, M. Yokota
Anesthesiology and Pain Service, The Cancer Institute Hospital of JFCR, Tokyo, Japan

S-373 CHANGES IN SALIVARY AMYLASE ACTIVITY BEFORE AND AFTER TRANSCUTANEOUS XENON LIGHT IRRADIATION AROUND THE STELLATE GANGLION

K. Mamiya, N. Abe, Y. Onodera, A. Sugawara, M. Kanao, H. Iwasaki
Anesthesiology and Critical Care Medicine, Asahikawa Medical University, Asahikawa, Japan

S-374 PERSISTENT POSTSURGICAL PAIN AFTER TOTAL KNEE REPLACEMENT: PREOPERATIVE HEALTH STATUS AS A RISK FACTOR?

A. Buvanendran, M. Moric, J. Kroin, K. J. Tuman
Rush Medical College, Chicago, IL

S-375 PAIN, FUNCTIONAL AND MOOD STATUS IN PATIENTS WITH NEUROGENIC CLAUDICATION BEFORE AND AFTER MINIMALLY INVASIVE LUMBAR DECOMPRESSION

B. Durkin¹, J. Romeiser¹, R. Peyster⁴, A. W. Shroyer², R. Davis³, H. Benveniste^{1,4}
¹Anesthesiology, Stony Brook University, Stony Brook, NY;
²Surgery, Stony Brook University, Stony Brook, NY;
³Neurosurgery, Stony Brook University, Stony Brook, NY;
⁴Radiology, Stony Brook University, Stony Brook, NY

S-376 MANAGEMENT OF LUMBAR DISCOGENIC PAIN IN AMBULATORY ENVIRONMENT

A. Abadir, H. Bhatt, W. Jones, A. Kryuchkova, J. Michaels, R. Michael
Anesthesia & Pain Management, Queens Surgi-Center, Queens, NY

Pharmacology - Basic Science 3
Abstracts in Poster Discussion Round: S-423 – S-427
Presenters in Attendance: 8:00 am – 9:30 am

PR03-07

Poster Moderator: T. Krejcie, MD, *Northwestern Feinberg School of Medicine, Chicago, IL*

S-423 SEVOFLURANE INHIBITS PHOSPHODIESTERASE ACTIVITY

S. Sonoda

Anesthesiology, Juntendo University, Tokyo, Japan

S-424 SELECTIVE INHIBITION OF PROPOFOL IN CORTICAL SINGLE NEURONS IN THE MACAQUE BRAIN

Y. Ishizawa¹, A. Uchida¹, J. T. Gale², E. N. Brown¹, E. N. Eskandar²

¹Anesthesia, Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, MA; ²Neurosurgery, Massachusetts General Hospital, Boston, MA

S-425 VOLATILE ANESTHETIC ISOFLURANE INHIBITS INTEGRIN LEUKOCYTE FUNCTION-ASSOCIATED ANTIGEN-1(LFA-1)

K. Yuki¹, M. Shimaoka¹, R. Eckenhoﬀ², T. Springer¹

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S-426 PHARMACOLOGICAL MECHANISMS INVOLVED IN THE ANTINOCICEPTIVE EFFECTS OF INTRAVENOUS DEXMEDETOMIDINE IN MICE

M. Lessa¹, R. S. Rangel², B. Marinho³, R. Soares de Moura³

¹Laboratory of Cardiovascular Investigation, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil; ²Pharmacology, State University of Rio de Janeiro, Rio de Janeiro, Brazil; ³Pharmacology, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

S-427 MODULATION OF δ SUBUNIT-CONTAINING GABAA RECEPTORS BY ETOMIDATE DEPENDS ON SUBUNIT ARRANGEMENT

S. A. Forman, H. Feng,

Anesthesia Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, MA

Cardiothoracic and Vascular – Basic Science 3
Abstracts in Poster Discussion Round: S-36 – S-41
Presenters in Attendance: 10:00 am – 11:30 am

PR03-08

Poster Moderator: M. Riess, MD, PhD, *Medical College of Wisconsin, Milwaukee, WI*

S-36 THE KAPPA OPIOID RECEPTOR ANTAGONIST NOR-BINALTHORPHIMINE IMPROVES MYOCARDIAL PERFUSION IN PIGS UNDERGOING CARDIOPULMONARY BYPASS

M. M. Theisen^{1,2}, J. Blumenstiel¹, T. P. Weber⁶, H. Nagase⁴, J. Stypmann⁵, F. Ploner³

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²Department of Anaesthesia and Intensive Care, Raphaelsklinik Münster, Muenster, Germany; ³Department of Anesthesiology and Critical Care Medicine, Vipiteno Hospital, Vipiteno, Italy; ⁴Laboratory of Medical Chemistry, School of Pharmacy, Kitasato University, Tokyo, Japan;

⁵Department of Cardiology and Angiology, Münster University Hospital, Münster, Germany; ⁶Department of Anesthesia and Intensive Care, St. Joseph Hospital Ruhr University Bochum, Bochum, Germany

S-37 OPIOID RECEPTOR ANTAGONISTS AFFECT THE SUCCESS OF DEFIBRILLATION OF VENTRICULAR FIBRILLATION (VF) IN PIGS UNDERGOING CARDIOPULMONARY BYPASS (CPB)

M. M. Theisen^{1,2}, J. Stypmann³, H. Nagase⁴, T. P. Weber^{5,1}, T. Iden⁶, K. Kaerlein¹

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S-38 DIFFERENTIAL CARDIOPROTECTION BY CHROMOSOMAL SUBSTITUTION IN A CONSONIC RAT MODEL: ROLE OF NITRIC OXIDE IN ANESTHETIC PRECONDITIONING

M. L. Riess^{1,5}, D. Nabor¹, Q. Cheng¹, J. R. Kersten^{1,3}, D. F. Stowe^{1,2}, J. Lazar⁴

¹Anesthesiology, Medical College of Wisconsin, Milwaukee, WI; ²Physiology, Medical College of Wisconsin, Milwaukee, WI; ³Pharmacology & Toxicology, Medical College of Wisconsin, Milwaukee, WI; ⁴Dermatology, Medical College of Wisconsin, Milwaukee, WI; ⁵Anesthesiology, VA Medical Center, Milwaukee, WI

S-39 ENDOGENOUS OPIOIDS IN WOUND-SITE NEUTROPHILS OF STERNOTOMY PATIENTS

M. Abaz¹, H. Elsayed-Azwad¹, T. Theofilos¹, R. S. Tripathi¹, C. B. Sai-Sudhakar², S. Roy²

¹Anesthesiology, The Ohio State University Medical Center, Columbus, OH; ²Surgery, The Ohio State University Medical Center, Columbus, OH

S-40 STATINS AND IL-6-INHIBITION PREVENT ATHEROSCLEROTIC LESION GROWTH AND DESTABILIZATION IN A MODEL OF PERIOPERATIVE STRESS IN ATHEROSCLEROSIS-PRONE MICE

G. Theilmeier¹, H. Janssen¹, C. Wagner¹, P. Demmer¹, U. Tietge², J. Larmann¹

¹Anesthesiology, MHH, Hannover, Germany; ²Pediatrics, University Hospital Groningen, Groningen, Netherlands

S-41 IN VIVO FLUORESCENCE-MEDIATED TOMOGRAPHY IMAGING DEMONSTRATES ATORVASTATIN MEDIATED REDUCTION OF LESION MACROPHAGES IN APOE-DEFICIENT MICE

J. Larmann¹, T. Frenzel^{2,3}, P. Demmer¹, U. J. Tietge⁴, C. Bremer⁵, G. Theilmeier¹

¹Department of Anesthesiology and Intensive Care Medicine, Hannover Medical School, Hannover, Germany; ²Department of Anesthesiology and Intensive Care Medicine, University Hospital Muenster, Muenster, Germany; ³Institute for Anatomy, University of Muenster, Muenster, Germany; ⁴Department of Pediatrics, Center for Liver, Digestive, and Metabolic Diseases, University Medical Center Groningen, Groningen, Netherlands; ⁵Department of Clinical Radiology, University Hospital Muenster, Muenster, Germany

Cardiothoracic and Vascular - Clinical 4
Abstracts in Poster Discussion Round: S-65 – S-70
Presenters in Attendance: 10:00 AM – 11:30 AM

PR03-09

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

S-65 WITHDRAWN

S-66 DETERMINATION OF VENTILATORY MINUTE VOLUMES FOR NORMOCAPNIC VENTILATION IN POST OPERATIVE CARDIAC SURGERY PATIENTS

G. D. Puri, A. A. Chaudhari, B. Kumar, A. Bhalla
 Chandigarh, India

S-67 HAPTOGLOBIN POLYMORPHISM AND PERIOPERATIVE MYOCARDIAL INJURY FOLLOWING CORONARY ARTERY BYPASS SURGERY

J. Raphael¹, A. Fox², C. D. Collard³, S. Shernan²,
 J. D. Muehlschlegel², S. Body²

¹Anesthesiology, University of Virginia, Charlottesville, VA; ²Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital, Boston, MA;

³Anesthesiology, Texas Heart Institute, Houston, TX

S-68 OXYHEMODYNAMIC EFFECTS OF NORMAL VERSUS HIGH ARTERIAL BLOOD FLOW DURING CARDIOPULMONARY BYPASS CORONARY ARTERY BYPASS GRAFTING SURGERY

M. Lessa², M. A. Salgado¹, A. Siciliano¹

¹Surgical Division, National Institute of Cardiology, Rio de Janeiro, Brazil; ²Laboratory of Cardiovascular Investigation, Oswaldo Cruz Foundation, Rio de Janeiro, Brazil

S-69 VALUE OF COMBINED PRE- AND POSTOPERATIVE NT-PROBNP MEASUREMENT TO PREDICT DEATH AND MAJOR CARDIOVASCULAR EVENTS AT 1 YEAR AFTER NONCARDIAC SURGERY

G. A. Lurati Buse¹, E. Seeberger¹, C. Werner¹, M. Filipovic^{2,1},
 D. Bolliger¹, M. Seeberger¹

¹Anesthesiology, University Hospital Basel, Basel, Switzerland; ²Anesthesiology, Kantonsspital St. Gallen, St. Gallen, Switzerland

S-70 CARDIAC EVALUATION AND OUTCOMES IN PANCREAS TRANSPLANTATION

D. Farar², R. Mangus¹, S. Kinsella², C. Creal¹, J. A. Fridell¹

¹Surgery, Indiana University School of Medicine, Indianapolis, IN; ²Anesthesia, Indiana University School of Medicine, Indianapolis, IN

Challenging Case Reports 10
Abstracts in Poster Discussion Round: CC-138 – CC-143
Presenters in Attendance: 10:00 am – 11:30 am

PR03-10

Poster Moderator: I. Hilmi, MB CHB, FRCA, *University of Pittsburgh, Wexford, PA*

CC-138 ONCE LUCKY, TWICE CONFIDENT AND THRICE.....?

D. Sasikumaran Ushakumari, M. S. Green, P. Green
 Anesthesiology and Perioperative Medicine,
 Hahnemann University Hospital, Drexel University
 College of Medicine, Philadelphia, PA

CC-139 PATIENT WITH TREATED HURLER SYNDROME PRESENTS FOR MAJOR LOWER EXTREMITY PROCEDURES FOR MOBILITY OPTIMIZATION--SHOULD SHE RECEIVE AN EPIDURAL?

J. L. Krupp
 Denver, CO

CC-140 CASE REPORT: ONE-LUNG VENTILATION FOR A RIGHT UPPER LOBECTOMY IN A PATIENT FOLLOWING A PRIOR LEFT-PNEUMONECTOMY

R. Dhingra, B. Subramaniam
 Anesthesia, Beth Israel Deaconess Medical Center,
 Boston, MA

CC-141 A CASE REPORT OF SEVERE PREECLAMPSIA-ASSOCIATED HYPONATREMIA

B. Tran, A. Kurian
 Anesthesiology, Boston University Medical Center,
 Boston, MA

CC-142 MALIGNANT HYPERTHERMIA

R. A. Biechler
 Anesthesiology, Medical College of Wisconsin,
 Milwaukee, WI

CC-143 THE KISS THAT ALMOST TOOK HIS BREATH AWAY! - AIRWAY COMPROMISE DUE TO COMPRESSING HEMATOMA OF THE NECK FROM HICKEYS IN A HEMOPHILIAC

S. Verghese^{1,2}, R. Shah^{2,1}

¹Anesthesia, George Washington University, Washington, DC; ²ENT, George Washington University, Washington, DC

Critical Care Medicine and Trauma 3

Abstracts in Poster Discussion Round: S-165 – S-169

Presenters in Attendance: 10:00 am – 11:30 am

PR03-11

Poster Moderator: M. Afifi, MD, Northwestern University
Feinberg School of Medicine, Chicago, IL

S-165 ROLES OF BLT1 SIGNALING IN ENHANCEMENT OF RENOPROTECTIVE AFTER CARDIAC ARREST

Y. Kosaka^{1,2}, M. Majima², Y. Nara¹, M. Toda¹, T. Yokomizo³, H. Okamoto¹

¹Anesthesiology, Kitasato University of Medicine, Sagamihara, Japan; ²Pharmacology, Kitasato University of Medicine, Sagamihara, Japan; ³Medical Biochemistry, Graduate School of Medical Sciences, Kyusyu University, Fukuoka, Japan

S-166 EFFECTS OF HEXAFLUORO-2-PROPANOL ON INFLAMMATORY AND HEMODYNAMIC RESPONSES IN A RAT MODEL OF ENDOTOXIC SHOCK

M. Urner, I. K. Herrmann, M. Hasler, C. Booy, B. Roth-Z'Graggen, B. Beck-Schimmer

Anesthesiology, University Hospital Zurich, Zurich, Switzerland

S-167 RETROSPECTIVE ANALYSIS OF CRICOTHYROTOMIES PERFORMED IN A LEVEL 1 TRAUMA CENTER OVER A TEN YEAR PERIOD

C. Vogt-Harenkamp, H. Wang, A. Gonzales

Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, TX

S-168 BML-111 ATTENUATES HEMORRHAGIC SHOCK-INDUCED ACUTE LUNG INJURY THROUGH INHIBITING ACTIVATION OF MAPK PATHWAY IN RATS

H. Li, G. Wang, J. Gong, S. Guo, Y. Shang, S. Yao
Department of Anesthesiology and Critical Care, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

S-169 CF3-MEDIATED PROTECTION - SEVOFLURANE AND ITS PRIMARY METABOLITE IMPROVE SURVIVAL IN MURINE SEPTIC PERITONITIS

I. K. Herrmann¹, M. Castellon², D. E. Schwartz², G. Hu², R. D. Minshall², B. Beck-Schimmer¹

¹Anesthesiology, University Hospital Zurich, Zurich, Switzerland; ²Anesthesiology and Pharmacology, University of Illinois at Chicago, Chicago, IL

Pharmacology - Basic Science 5

Abstracts in Poster Discussion Round: S-434 – S-439

Presenters in Attendance: 10:00 am – 11:30 am

PR03-12

Poster Moderator: S. Wahlander, MD, Columbia University Medical Center, New York, NY

S-434 THE INHIBITORY EFFECTS OF KETAMINE ON SUBSTANCE P RECEPTOR IN U373 MG HUMAN ASTROCYTOMA CELLS

K. Yamaguchi

Tokyo, Japan

S-435 THE KAPPA OPIOID RECEPTOR ANTAGONIST NOR-BINALTORPHIMINE INCREASES SPLANCHNIC PERFUSION WHILE DECREASING VASOPRESSOR REQUIREMENTS BOTH DURING AND POST EXTRACORPOREAL CIRCULATION IN SWINE

M. M. Theisen^{1,2}, J. Blumenstiel¹, J. Stypmann³, T. P. Weber⁴, M. Fobker⁶, F. Ploner⁵

¹Department of Anesthesiology and Intensive Care, Münster University Hospital, Münster, Germany; ²Department of Anaesthesia and Intensive Care, Raphaelsklinik Münster, Münster, Germany; ³Department of Cardiology and Angiology, Münster University Hospital, Münster, Germany; ⁴Department of Anesthesia and Intensive Care, St. Joseph Hospital Ruhr University Bochum, Bochum, Germany; ⁵Department of Anesthesiology and Critical Care Medicine, Vipiteno Hospital, Vipiteno, Italy; ⁶Department of Laboratory Medicine, Münster University Hospital, Münster, Germany

S-436 MEMORY IMPAIRMENT AND REDUCED SYNAPTIC PLASTICITY AFTER ISOFLURANE ANESTHESIA IS MEDIATED BY $\alpha 5$ GABA-A RECEPTORS IN MICE

B. A. Orser^{1,2}, A. Zurek², E. M. Bridgwater²

¹Anesthesia, Sunnybrook Health Sciences, Toronto, ON, Canada; ²Physiology, University of Toronto, Toronto, ON, Canada

S-437 TWO HOURS OF ANESTHESIA DOES NOT IMPAIR SUSTAINED ATTENTION IN RATS TESTED 24 HOURS LATER

K. Murphy¹, T. Veuthey¹, A. Bates², J. McGaughy², M. Baxter¹

¹Friedman Brain Institute, Mount Sinai School of Medicine, New York, NY; ²Department of Psychology, University of New Hampshire, Durham, NH

S-438 ALLYL TFD-MEPHOBARBITAL : POTENT ENANTIOSELECTIVE PHOTOREACTIVE BARBITURATE GENERAL ANESTHETICS THAT INTERACT WITH HUMAN GABA(A) RECEPTORS

X. Zhang^{1,3}, P. Y. Savechenkov², D. Stewart¹, R. Ge¹, K. S. Bruzik², K. W. Miller^{1,3}

¹Department of Anesthesia, Critical Care & Pain Medicine, Massachusetts General Hospital, Boston, MA; ²College of Pharmacy, University of Illinois at Chicago, Chicago, IL; ³Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, MA

S-439 ACTIVATION OF THE CB2 RECEPTOR SYSTEM ALLEVIATES AMYLOID-INDUCED MEMORY DEFICIENCY

J. Wu, B. Bie, H. Yang, J. Xu, D. Brown, M. Naguib
Cleveland, OH

Pharmacology - Clinical 3

Abstracts in Poster Discussion Round: S-456 – S-460

Presenters in Attendance: 10:00 am – 11:30 am

PR03-13

Poster Moderator: F. Donati, PhD, MD, FRCPC, *Université de Montréal, Quebec, Canada*

S-456 DEXMEDETOMIDINE INFUSION TIME CONSIDERATIONS FOR AWAKE FIBEROPTIC INTUBATION

X. Zheng, J. Swaniker, D. Glick

Anesthesia and Critical Care, University of Chicago, Chicago, IL

S-457 THE EFFECT OF DIFFUSION OF 4% LIDOCAINE THROUGH THE MEDTRONIC EMG ENDOTRACHEAL TUBE CUFF ON NIM-RESPONSE®

O. Asimolowo, A. Apostol, S. Jalou, K. Sundaram, M. Dela Pena
Brooklyn, NY

S-458 USEFULNESS OF ESTIMATED PLASMA CONCENTRATION (CP) FOR DECIDING THE TIMING OF REPEATED BOLUS ROCURONIUM ADMINISTRATION UNDER DESFLURANE ANESTHESIA

K. Takahoko¹, H. Iwasaki¹, S. Otomo¹, T. Sasakawa², H. Iwasaki¹

¹Anesthesiology, Asahikawa medical college, Asahikawa, Japan; ²Anesthesiology, Shriners Burns Institute Shriners Hospital for Children Massachusetts General Hospital Harvard Medical School, Cambridge, MA

S-459 DOES REMIFENTANIL AFFECT THE INCIDENCE OF COLON CANCER RECURRENCE?

H. Kurosaki, K. Fujii, K. Nishikawa

Anesthesiology, Wakayama Medical University, Wakayama, Japan

S-460 IMPACT OF SEVOFLURANE VS. PROPOFOL ON INCIDENT DELIRIUM AFTER NONCARDIAC SURGERY- A RANDOMIZED CONTROLLED TRIAL

G. A. Lurati Buse¹, E. Seeberger¹, M. Filipovic^{2,1}, D. Bolliger¹, M. Seeberger¹

¹Anesthesiology, University Hospital Basel, Basel, Switzerland; ²Anesthesiology, Kantonsspital St. Gallen, St. Gallen, Switzerland

Ambulatory Anesthesia 3

Abstracts in Poster Discussion Round: S-10 – S-14

Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-14

Poster Moderator: R. Hannallah, MD, *The George Washington University Medical Center, Washington, DC*

S-10 AIRWAY AND ANESTHETIC MANAGEMENT IN PATIENTS UNDERGOING THYROID SURGERY

J. May, S. Davis, A. Campos, N. Bhatti, L. Hoke, Y. Bryan

Anesthesiology, Wake Forest School of Medicine, Winston-Salem, NC

S-11 WITHDRAWN

S-12 GOOD DREAMS DURING GENERAL ANESTHESIA ARE ASSOCIATED WITH THE INCIDENCE OF PONV

A. Yoshida, K. Fujii, K. Nishikawa

Anesthesiology, Wakayama Medical University, Wakayama, Japan

S-13 EFFICIENCY OF FREE-STANDING AMBULATORY SURGERY CENTERS AND HOSPITAL-BASED AMBULATORY SURGERY DEPARTMENTS IN THE USA: A PROPENSITY ANALYSIS

E. B. Rosero, G. P. Joshi

Anesthesiology & Pain Management, UT Southwestern Medical Center, Dallas, TX

S-14 THE MINIMUM EFFECTIVE DOSE OF DEXAMETHASONE IN COMBINATION WITH MIDAZOLAM IN PATIENTS UNDERGOING LAPROSCOPIC CHOLECYSTECTOMY FOR PREVENTION OF POST OPERATIVE NAUSEA AND VOMITING

S. Srivastava, S. Dhiraaj, R. Gupta

Anesthesiology, SGPGIMS, Lucknow, India

Challenging Case Reports 7

Abstracts in Poster Discussion Round: CC-120 – CC-125

Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-15

Poster Moderator: C. Abdallah, MD, MSc, *Children's National Medical Center, Washington, DC*

CC-120 A CASE OF DIFFICULT INTUBATION SECONDARY TO A FIXED, RETROFLEXED EPIGLOTTIS AND POST-CHEMORADIATION MUCOSITIS, CERVICAL NEURALGIA WITH NECK SPASMS, DYSPHAGIA, ESOPHAGEAL STRICTURE, AND TRISMUS

A. Wu, M. W. Lew

Anesthesiology, City of Hope, Duarte, CA

CC-121 HEADACHE WITH NEUROLOGICAL DEFICITS AFTER SPINAL ANESTHESIA FOR C-SECTION

D. Sasikumaran Ushakumari, S. N. Malayaman, P. Kalikiri

Anesthesiology and Perioperative Medicine, Hahnemann University Hospital, Drexel University College of Medicine, Philadelphia, PA

CC-122 NOT YOUR TYPICAL POST-PARTUM HEADACHE

C. Adams, S. Yazdani, J. Lachmansingh, K. Chaudhuri

Anesthesiology, Texas Tech University HSC, Lubbock, TX

CC-123 ACUTE POSTPARTUM WEAKNESS

C. Walter, S. Yazdani, A. N. Farag, K. Chaudhuri

Anesthesiology, Texas Tech University HSC, Lubbock, TX

CC-124 PROLONGED MUSCULAR WEAKNESS IN THE PERIOPERATIVE PERIOD WITH NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR USE

S. Yazdani, S. Chaudhuri

Anesthesiology, Texas Tech University HSC, Lubbock, TX

CC-125 THE MANAGEMENT OF UTERO-PLACENTAL UNIT DURING AN EX-UTERO INTRAPARTUM TREATMENT (EXIT) PROCEDURE USING DEXMEDETOMIDINE (DEX) AS AN ADJUVANT

M. Afridi, A. Qadeer

Anesthesiology and Perioperative Medicine, Georgia Health Sciences University, Augusta, GA

Critical Care Medicine and Trauma 4

Abstracts in Poster Discussion Round: S-170 – S-174

Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-16

Poster Moderator: E. Holak, MD, PharmD, *Medical College of Wisconsin, Wisconsin, WI*

S-170 ASSESSMENT OF PERIOPERATIVE RISK: IMPACT OF CO-MORBIDITIES & TIMING OF TREATMENT ON PERIOPERATIVE MORBIDITY AND MORTALITY

M. F. Mascia, R. Neusch, S. Stamper

Anesthesiology, West Virginia University School of Medicine, Morgantown, WV

S-171 THE EFFICACY OF LOW DOSE KETAMINE, FENTANYL, AND MIDAZOLAM INFUSION FOR PREOPERATIVE SEDATION, AND POSTOPERATIVE ANALGESIA IN THE ICU

C. R. Rajaratnam, P. Roffey, M. Mogos, D. Thangathurai

Anesthesiology, USC Keck Medical Center, Los Angeles, CA

S-172 INTRA-ABDOMINAL PRESSURE IN ARDS: THE EFFECT OF PRONE POSITIONING

E. Galiatsou, A. Moraiti, E. Kostanti, A. Papathanasiou, G. Nakos

Intensive Care Unit, University Hospital of Ioannina, Ioannina, Greece

S-173 INHIBITION OF THE CIAP2 PATHWAY REDUCES LEUKOCYTE RECRUITMENT IN THE INTESTINAL MICROCIRCULATION IN MURINE EXPERIMENTAL SEPSIS

C. Lehmann^{1,2}, L. Schuster^{4,1}, F. Götz^{4,1}, F. Ashour³, D. Pavlovic⁴, G. Robertson²

¹Anesthesia, Dalhousie University, Halifax, NS, Canada;

²Pharmacology, Dalhousie University, Halifax, NS, Canada;

³Microbiology and Immunology, Dalhousie University, Halifax, NS, Canada; ⁴Anesthesiology and Intensive Care Medicine, Ernst Moritz Arndt University, Greifswald, Germany

S-174 ROLE OF SURVEILLANCE CULTURES IN IDENTIFYING THE PATHOGENS RESPONSIBLE FOR VENTILATOR-ASSOCIATED PNEUMONIA (VAP): ANALYSIS OF COLONIZATION CURVES

J. Hudcova¹, Y. Lei^{2,3}, A. Sarwar², D. E. Craven³

¹Department of Surgical Critical Care, Lahey Clinic, Burlington, MA; ²Department of Pulmonary Medicine, Lahey Clinic, Burlington, MA; ³Center for Infectious Diseases & Prevention, Lahey Clinic, Burlington, MA

Education and Patient Safety 6
Abstracts in Poster Discussion Round: S-223 – S-230
Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-17

Poster Moderator: E. Nemergut, MD, *University of Virginia Health System, Charlottesville, VA*

S-223 VARIOUS OPERATING ROOM DEVICES PRODUCE EXCESSIVE NOISE THAT MAY INCREASE STAFF STRESS AND IMPAIR EFFECTIVE COMMUNICATION

J. P. Anderson, M. J. Sharpe, S. McNulty
Philadelphia, PA

S-224 SURGERY AT THE END OF LIFE: A PRE-PROCEDURE PERSPECTIVE

C. S. Barnett¹, A. F. Arriaga^{2,3}, D. L. Hepner¹, D. J. Correll¹, A. A. Gawande^{3,4}, A. M. Bader^{1,3}

¹Anesthesiology, Perioperative, and Pain Medicine, Brigham and Women's Hospital, Boston, MA; ²Center for Surgery and Public Health, Brigham and Women's Hospital, Boston, MA; ³Health Policy and Management, Harvard School of Public Health, Boston, MA; ⁴Surgery, Brigham and Women's Hospital, Boston, MA

S-225 OBESITY'S EFFECT ON JOINT REPLACEMENT: A RETROSPECTIVE REVIEW OF EARLY POST-OPERATIVE COMPLICATIONS

L. Boone, W. Lee, J. Widyn, S. Nair, E. Delphin
Anesthesiology, Albert Einstein College of Medicine & Montefiore Medical Center, Bronx, NY

S-226 HANDWASHING COMPLIANCE MAY BE LOWER THAN PREVIOUSLY REPORTED: A VIDEO OBSERVATION STUDY

H. M. Patel, J. P. Rowlands, R. W. Loftus
Department of Anesthesiology, Dartmouth-Hitchcock Medical Center, Lebanon, NH

S-227 FOR NON-ENGLISH SPEAKING PATIENTS IMPROVED COMMUNICATION LEADS TO GREATER SATISFACTION

J. Yin², B. Dauber¹, D. Glick¹
¹Anesthesia and Critical Care, University of Chicago, Chicago, IL; ²University of Illinois, Chicago, Chicago, IL

S-228 ASSESSING THE IMPACT OF A STRUCTURED AIRWAY SKILLS ROTATION: FROM RESIDENT CLINICAL EXPERIENCE TO FACULTY OPINION

R. G. Wagner, W. A. Weigel
Anesthesiology, Virginia Mason Medical Center, Seattle, WA

S-229 UTILITY OF SIMULATOR BASED TRANSESOPHAGEAL ECHOCARDIOGRAPHY TRAINING FOR RESIDENTS

R. Matyal, J. D. Mitchell, R. Bose, P. Hess, D. Nicolai, F. Mahmood
Anesthesia, Critical Care, and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, MA

S-230 IMPACT ON DEPARTMENTAL PERFORMANCE OF AN ANESTHESIA-LED MODEL FOR INTERDISCIPLINARY LEARNING, INNOVATION, AND IMPROVEMENT

S. Muret-Wagstaff, B. A. Simon
Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA

Equipment / Monitoring 5

Abstracts in Poster Discussion Round: S-264 – S-269
Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-18

Poster Moderator: I. Hilmi, MB CHB, FRCA, *University of Pittsburgh, Wexford, PA*

S-264 THE HEMODYNAMIC CHANGES DURING PERCUTANEOUS CLOSURE OF ATRIAL SEPTAL DEFECT USING AMPLATZER SEPTAL OCCLUDER

S. Okino, T. Terada, A. Yoshida, R. Muto, N. Sato, R. Ochiai
Anesthesiology, Toho University, Tokyo, Japan

S-265 RELATIONSHIP ACCURACY OF ESTIMATED CONTINUOUS CARDIAC OUTPUT AND HEMODYNAMIC PARAMETERS

T. Terada, S. Okino, A. Yoshida, R. Muto, N. Sato, R. Ochiai
Anesthesiology, Toho University, Tokyo, Japan

S-266 SUCTION DEVICE UTILIZATION STRATEGIES TO REDUCE OPERATING ROOM NOISE

M. J. Sharpe, J. P. Anderson, S. McNulty
Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, PA

S-267 SCALING EXPONENT OF DFA FOR HRV AS AN ASSESSMENT OF ACTIVITY OF ANS DURING SURGICAL OPERATION

J. Yeh¹, S. Fan²
¹Research Center for Adaptive Data Analysis, National Central University, Taoyuan, Taiwan; ²Anesthesiology, National Taiwan University Hospital, Taipei, Taiwan

S-268 THE ACCURACY OF NONINVASIVE AND CONTINUOUS TOTAL HEMOGLOBIN MEASUREMENT BY PULSE CO-OXYMETRY UNDERGOING HEMODILUTIONAL AUTOLOGOUS TRANSFUSION

J. Saito¹, M. Kitayama¹, T. Kudo¹, H. Hashimoto², K. Hirota¹
¹Anesthesiology, Hirosaki University Graduate School of Medicine, Hirosaki, Japan; ²Surgical Center, Hirosaki University Graduate School of Medicine, Hirosaki, Japan

S-269 USE OF FIBER OPTIC SPECTROSCOPIC TECHNOLOGIES TO MONITOR SPINAL CORD ISCHEMIA IN REAL TIME

A. Emanuel¹, R. Galler³, A. D'Souza⁴, R. Mesquita⁵, A. Yodh⁵, T. Floyd^{1,5}
¹Dept. of Anesthesiology, Stony Brook University Medical Center, Stony Brook, NY; ²Dept. of Surgery, Stony Brook University Medical Center, Stony Brook, NY; ³Dept. of Neurosurgery, Stony Brook University Medical Center, Stony Brook, NY; ⁴Dept. of Biomedical Engineering, Stony Brook University, Stony Brook, NY; ⁵Dept. of Physics and Astronomy, University of Pennsylvania, Philadelphia, PA

Regional Anesthesia 4

Abstracts in Poster Discussion Round: S-487 – S-493

Presenters in Attendance: 1:00 pm – 2:30 pm

PR03-19

Poster Moderator: G. Wagener, MD, *College of Physicians & Surgeons of Columbia University, New York City, NY*

S-487 THE ADDITION OF NERVE STIMULATION TO ULTRASOUND GUIDANCE DOES NOT IMPROVE SUCCESS DURING PLACEMENT OF THE ARROW STIMUCATH AT THE POPLITEAL SCIATIC NERVE: A PROSPECTIVE RANDOMIZED TRIAL

R. McClain¹, S. Porter¹, D. Wax², C. Robards¹

¹Anesthesiology, Ma yo Clinic, Jacksonville, FL;

²Anesthesiology, Mt. Sinai Medical Center, New York, NY

S-488 AN ULTRASOUND GUIDED TECHNIQUE FOR PERFORMING THE SUPERIOR LARYNGEAL NERVE BLOCK

B. Kaur, R. Tang, A. Sawka, H. Vaghadia

Department of Anaesthesia, University of British Columbia, Vancouver General Hospital, Vancouver, BC, Canada

S-489 REAL TIME PARAVERTEBRAL BLOCKADE USING A GPS GUIDED ULTRASOUND SYSTEM

B. Kaur, R. Tang, A. Sawka, H. Vaghadia

Department of Anaesthesia, University of British Columbia, Vancouver General Hospital, Vancouver, BC, Canada

S-490 EFFECTS OF NERVE BLOCK COMBINED GENERAL ANESTHESIA ON STRESS RESPONSE IN ELDER PATIENTS WITH LOWER LIMB SURGERY

H. Ma, J. Yu, X. Chen, F. Ma, L. Deng, J. Meng

Anesthesiology Department, General Hospital of Ningxia Medical University, Yinchuan, China

S-491 FEMORAL NERVE SHEATH INFUSION OF FENTANYL CAUSES ANALGESIA WITH SUSTAINED STRENGTH AFTER TOTAL KNEE REPLACEMENT

R. Karlinski¹, K. L. Downes², E. M. Camporesi¹, D. Mangar¹

¹Florida Gulf-to-Bay Anesthesiology, Tampa, FL;

²Department of Research, University of South Florida, Tampa, FL

S-492 INTERPATIENT VARIABILITY IN INTRATHECAL DRUG DISTRIBUTION: CEREBROSPINAL FLUID PULSATILE MAGNITUDE, FREQUENCY, SOLUTION BARICITY, AND TOXICITY RISKS

Y. Hsu, A. Linninger

Department of Bioengineering, University of Illinois at Chicago, Chicago, IL

S-493 THREE TIMES DAILY SUBCUTANEOUS UNFRACTIONATED HEPARIN AND THORACIC EPIDURAL ANALGESIA: A RETROSPECTIVE REVIEW OF 928 CASES

A. F. Wallace, J. Davis, B. Bankhead, E. Eckman, J. Strunk

Anesthesiology, University of Utah, Salt Lake City, UT

Cardiothoracic and Vascular - Clinical 5
Abstracts in Poster Discussion Round: S-71 – S-77
Presenters in Attendance: 3:00 pm – 4:30 pm

PR03-20

Poster Moderator: J. DiNardo, MD, *Children's Hospital Boston, Boston, MA*

S-71 WITHDRAWN

S-72 HIGH SPINAL ANESTHESIA IN SEVERE MITRAL STENOSIS: COMPARISON OF HEMODYNAMICS WITH HIGH DOSE OPIOID ANESTHESIA

V. K. Arya¹, L. Yaddanapuri¹, P. Madhusudan¹, S. K. Thingnam², A. Bahl³

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S-73 OBSERVATIONAL STUDY OF FUNCTIONAL HEMODYNAMICS DURING ONE LUNG VENTILATION

K. Raghunathan¹, W. T. McGee², R. Thanawala³, C. Gibson¹, G. Hochheiser³, R. Ganim³

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S-74 INCIDENCE OF ASYMPTOMATIC DVTS FOUND IMMEDIATELY PRIOR TO ELECTIVE SURGERY

J. Yin², K. Clinite¹, M. Ngozi², P. O'Connor¹, M. F. O'Connor¹, D. Glick¹

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S-75 INCIDENCE OF POSTOPERATIVE DVTS SHORTLY AFTER ELECTIVE SURGERY

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S-76 PAIN MANAGEMENT FOLLOWING ROBOTIC CORONARY ARTERY BYPASS GRAFTING

M. Snyder¹, G. Leyvi¹, M. Cecchini¹, L. Boone¹, S. Nair¹, J. DeRose²

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S-77 KIDNEY INJURY AFTER PERCUTANEOUS AND SURGICAL AORTIC VALVE REPLACEMENT

E. Avagliano, F. Guarracino, R. Baldassarri, L. Lombardi
 Cardiothoracic, University Hospital of Pisa, Pisa, Italy

Challenging Case Reports 11
Abstracts in Poster Discussion Round: CC-144 – CC-149
Presenters in Attendance: 3:00 pm – 4:30 pm

PR03-21

Poster Moderator: M. Vallejo, MD, *Magee-Women's Hospital of UPMC, Pittsburgh, PA*

CC-144 SEVERE HYPOTENSION AND ST SEGMENT ELEVATION OF NON-CARDIAC ORIGIN: A CASE REPORT

Y. A. Patel, S. Reck

Anesthesiology, Medical College of Wisconsin, Milwaukee, WI

CC-145 A COMPLICATION OF CENTRA VENOUS ACCESS: KNOWING LIMITATIONS

N. D. Patel, Y. F. Rodriguez-Blanco

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CC-146 SAFE SITTING POSITION IN ADVANCED SPONYLITIS

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CC-147 A PRESENTATION OF SVT REFRACTORY TO STANDARD THERAPY

C. R. Rajaratnam, P. Roffey, M. Mogos, D. Thangathurai

Anesthesiology, USC Keck Medical Center, Los Angeles, CA

CC-148 ELEVATED HEMATOCRIT FROM CAPILLARY LEAK IN SEPSIS

C. R. Rajaratnam, P. Roffey, M. Mogos, D. Thangathurai

Anesthesiology, USC Keck Medical Center, Riverside, CA

CC-149 LEFT ATRIAL DISSECTION ASSOCIATED WITH DEVELOPMENT OF PSEUDO-GERBODE'S SHUNT AFTER DOUBLE VALVE REPLACEMENT SURGERY

S. K. Thingnam², V. K. Arya¹

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Equipment / Monitoring 6

Abstracts in Poster Discussion Round: S-270 – S-274

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

PR03-22

Poster Moderator: K. Johnson, MD, *University of Utah, Salt Lake City, UT*

S-270 DETERMINATION OF POSTOPERATIVE AND INTRAOPERATIVE PREDICTORS OF POST-OPERATIVE DETERIORATION

K. Gebre-Amlak¹, L. M. Weavind², J. M. Ehrenfeld²

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S-271 HOW FAST DOES THE CUFF PRESSURE RISE WHEN USING NITROUS OXIDE?

R. Marks

Miami, FL

S-272 AWARENESS OF POTENTIAL HAZARDS FROM NOISE POLLUTION TO THE ANESTHESIA PROVIDER

J. P. Anderson, M. J. Sharpe, S. McNulty

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S-273 A RADIO SYSTEM FOR RELAYING THE PATIENT MONITOR AUDIO OUTPUT TO THE ANESTHESIOLOGIST DURING PEDIATRIC SEDATION

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S-274 PERIPHERAL NERVE STIMULATION AND RESIDUAL NEUROMUSCULAR BLOCKADE: INTERIM ANALYSIS OF THE RECITE STUDY

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Pain - Basic Science 1

Abstracts in Poster Discussion Round: S-342 – S-344

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

PR03-23

Poster Moderator: A. Buvanendran, MD, *Rush University Medical Center, Chicago, IL*

S-342 ANTINOCICEPTIVE INTERACTION BETWEEN INTRATHECALLY ADMINISTERED BUPIVACAINE AND EPIBATIDINE IN RATS

T. Nishiyama

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Omiya General Hospital, Saitama, Japan

S-343 LUMBAR FACET JOINT OSTEOARTHRITIS AND PAIN IN THE RAT

J. Kroin, J. Kim, H. Im, J. Li, K. J. Tuman, A. Buvanendran

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S-344 REPEATABILITY OF PERCUTANEOUS INTRATHECAL INJECTIONS IN MICE

J. Kroin, J. Li, M. Moric, A. Buvanendran

Rush Medical College, Chicago, IL

Pediatric Anesthesia: Neonatal Safety and Anesthetics 2
Abstracts in Poster Discussion Round: S-403 – S-406
Presenters in Attendance: 3:00 pm – 4:30 pm

PR03-24

Poster Moderator: P. Davis, MD, *Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA*

S-403 EFFECTS OF EXPOSURE TO GENERAL ANAESTHESIA IN INFANCY ON ACADEMIC PERFORMANCE AT AGE 12

C. L. Bong¹, J. Tan¹, I. W. Koh², J. Soo³, S. Lum³

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S-404 METABOLIC STATUS IN NEONATAL RAT BRAIN IN RESPONSE TO GENERAL ANESTHESIA DIFFERS FROM THE YOUNG RAT BRAIN: THE ROLE OF GLUTAMATE

R. Makaryus, H. Lee, Z. Jacob, M. Yu, T. Feng, H. Benveniste
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S-405 EMBRYONIC STEM CELL BASED INSIGHTS INTO ANESTHESIA INDUCED COGNITIVE DEFICIT: A ROLE FOR ALTERED NEUROGENESIS

O. Johnson-Akeju¹, K. Eggen²

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S-406 CHRONIC MORPHINE ADMINISTRATION LEADS TO INCREASED NEUROAPOPTOSIS IN NEWBORN RATS

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Pharmacology - Clinical 4

Abstracts in Poster Discussion Round: S-461 – S-466

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

PR03-25

Poster Moderator: C. Rosow, MD, *Harvard Medical School, Boston, MA*

S-461 RANDOMIZED CONTROLLED TRIAL OF SEVOFLURANE VS. PROPOFOL TO PREVENT MYOCARDIAL ISCHEMIA IN NONCARDIAC SURGERY PATIENTS

G. A. Lurati Buse¹, P. Schumacher², W. Studer³, E. Seeberger¹, D. Bolliger¹, M. Seeberger¹

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S-462 DEVELOPMENT OF PROPOFOL-REMIFENTANIL DOSING MULTIOBJECTIVE OPTIMIZATION ALGORITHM FOR MODERATELY PAINFUL PROCEDURES REQUIRING ESOPHAGEAL INSTRUMENTATION

C. LaPierre, K. B. Johnson, D. Westenskow, T. Egan
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S-463 IMPACT OF SEVOFLURANE VS. PROPOFOL ON NT-PROBNP RELEASE AFTER NONCARDIAC SURGERY- A RANDOMIZED CONTROLLED TRIAL

G. A. Lurati Buse¹, P. Schumacher², R. Schumann¹, J. Fassl¹, D. Bolliger¹, M. Seeberger¹

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S-464 PREOPERATIVE CARBOHYDRATE ADMINISTRATION PREVENTS CATABOLISM OF FAT

N. Morioka, R. Kanamori, K. Shimizu, T. Uno, M. Ozaki
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S-465 UDP GLUCURONOSYLTRANSFERASE 2B7*2 (802C>T, R57439366) INFLUENCES SERUM LEVELS OF MORPHINE AND MORPHINE GLUCURONIDES INVERSELY TO PUPIL EFFECTS AFTER I.V. CYCLOSPORINE IN A CROSSOVER VOLUNTEER STUDY

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S-466 THE EFFECT OF APREPITANT FOR THE PREVENTION OF POSTOPERATIVE NAUSEA AND VOMITING IN PATIENTS UNDERGOING GYNECOLOGIC SURGERY WITH INTRAVENOUS PATIENT-CONTROLLED ANALGESIA USING FENTANYL

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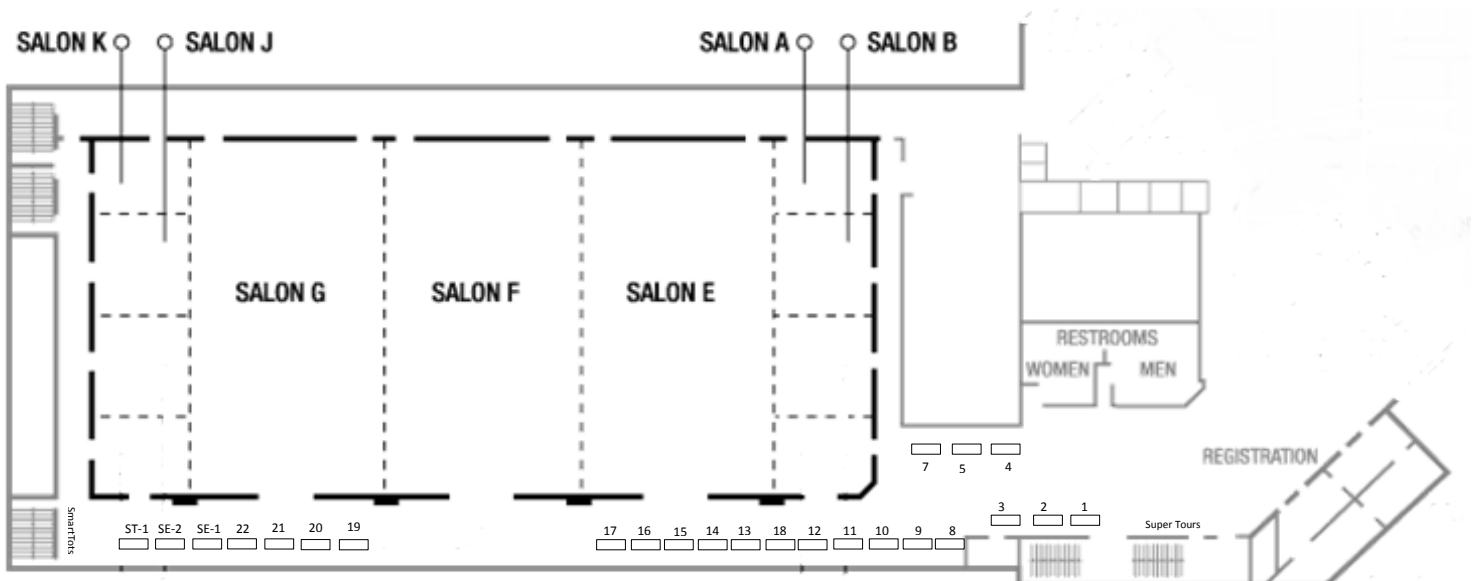
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Technical Exhibits Floor Plan

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Tabletop Exhibit Information

Friday, May 18 – Sunday, May 20 • 7:00 am – 1:00 pm

SCIENTIFIC & EDUCATIONAL TABLETOP EXHIBITS

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University of Medicine and Dentistry of New Jersey - Robert Wood Johnson Medical School	SE-2

SOCIETY TABLETOP EXHIBITS

	<u>TABLE #</u>
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STA – Society for Technology in Anesthesia	ST-1

TECHNICAL TABLETOP EXHIBITS

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Friday, May 18 – Sunday, May 20 • 7:00 am – 1:00 pm

SCIENTIFIC & EDUCATIONAL TABLETOP EXHIBITS

University of Medicine and Dentistry of New Jersey – Robert Wood Johnson Medical School..... SE-2

New Brunswick, NJ

Web-Site Teaching of Simple Techniques to Reduce Anesthesia Risks and Improve Patient Safety in Remote Anesthesia Locations (www.TSEMask.com)

Risks of anoxic brain injuries are much higher in remote locations than in OR. Early recognition of respiratory depression with capnography prevents severe desaturation. This exhibit demonstrates how to improve quality of capnography by transforming nasal cannulas to face tents and how to monitor respiration when capnography is unavailable (www.TSEMask.com).

James Tse, PhD, MD

Tejal Mehta, MD

Shruti Shah, MD

Kristen Dauphinee, MD

Gina George, DO

VAMC and OU Medical Center SE-1

Oklahoma City, OK

Ultrasound: Application and Uses in Anesthesia

There are several applications of Ultrasound in Clinical anesthesia such as clinical procedures and peripheral nerve blocks. Cannulations of vessels are made simple in difficult cases and the use of echocardiography in early diagnosis and prompt treatment of cardiac diseases improved the safety of patients. Also Interventional pain procedures are performed safely under the Ultra sound guidance. These applications will be displayed with photographs in this exhibit.

Raghuvender Ganta, MD, FRCA

Andrew Fine, MD

Blake Christensen, DO

SOCIETY TABLETOP EXHIBITS

ISAP – International Society for Anaesthetic Pharmacology ST-1

www.isaponline.org

The International Society for Anaesthetic Pharmacology (ISAP) (formerly the Society for Intravenous Anesthesia) is a nonprofit organization with an international membership, which is dedicated to teaching and research about clinical pharmacology in anesthesia, with particular reference to anesthetic drugs.

STA – Society for Technology in Anesthesia ST-1

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. Membership is open to all who are interested. The journal, Anesthesia & Analgesia is STA's official publication. A quarterly newsletter; Interface, is published and available online.

Friday, May 18 – Sunday, May 20 • 7:00 am – 1:00 pm

TECHNICAL TABLETOP EXHIBITS IN ALPHABETICAL ORDER

Advanced Infusion, Inc.Table 19



www.advancedinfusion.com

Manufacture and sell disposable infusion pumps and catheters for post-surgical pain control.

Anesthesiology News.....Table 20



www.anesthesiologynews.com

Anesthesiology News (AN), the best-read publication for the specialty, is mailed monthly to all 44,832 anesthesiologists and anesthesiology residents in the United States. This medical newspaper offers extensive coverage of major clinical meetings affecting the specialty and feature articles on topics relevant to practicing anesthesiologists. *AN* also presents in-depth clinical reviews written by thought leaders, cutting-edge practice management articles, medical education and CME activities.

Arizant Healthcare Inc., a 3M Company. Table 1



www.arizanthealthcare.com

Arizant Healthcare Inc., a 3M Company, pioneered the concept of forced-air patient warming with the introduction of Bair Hugger™ therapy in 1987. Today, our ground-breaking lineup of temperature management products includes the Bair Paws™ system and the Ranger™ fluid warming systems.

CLEVELAND CLINIC ABU DHABI • Table 12



Brought to you by Mubadala Healthcare

www.clevelandclinicabudhabi.ae

Scheduling interviews with the Chair of the Anesthesiology Department at IARS 2012.

Cleveland Clinic Abu Dhabi is recruiting physicians of anesthesia to become part of its new multi-specialty hospital in Abu Dhabi, United Arab Emirates. This 360 (expandable to 490) bed facility will be a unique and unparalleled extension of the Cleveland Clinic model of care.

You will join a world-class team as it establishes a top tertiary/quaternary care hospital in the Middle East. Currently under construction, the facility is set to open its doors in late 2013. For consideration, please apply directly online with a current curriculum vitae and stop by the Cleveland Clinic Abu Dhabi table to indicate your availability to interview during IARS 2012.

ConMed..... Table 4



www.conmed.com

ConMed presents the ECOM® Endotracheal Cardiac Output Monitoring system. ECOM utilizes a standard endotracheal tube that is inserted using normal ET placement techniques. Based on impedance cardiography, the ECOM system provides cost-effective, beat-to-beat monitoring of cardiac output, cardiac index, stroke volume, stroke volume variation and systemic vascular resistance.

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TECHNICAL TABLETOP EXHIBITS IN ALPHABETICAL ORDER

Grifols USA..... Table 2

GRIFOLS

www.grifols.com

Grifols is a global healthcare company whose mission is to improve the health and well being of people around the world. We accomplish this mission by producing life-saving protein therapies for patients and by providing hospitals, pharmacies and healthcare professionals with the products they need to deliver expert medical care.

Hospira Tables 14, 15, 16



www.hospira.com

Hospira presents the latest regarding Precedex™ (dexmedetomidine HCl Injection) — see full prescribing information. 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.

Karl Storz Endoscopy-America, Inc..... Table 13



www.karlstorz.com

Karl Storz offers products to simplify airway management – including unexpectedly difficult intubations. Portable and cart-based video laryngoscopes, intubation-fiberscopes and fiber optic stylets provide distinct advantages in the OR, ER and ICU. All intubation instruments are available in pediatric to adult sizes. The latest addition, the fully portable C-MAC™ video laryngoscope with standard shaped MACINTOSH blades, allows recording of still images and video sequences.

Lippincott Williams & Wilkins-WKH... Tables 8, 9, 10



www.lww.com

Wolters Kluwer Health is a leading global provider of information, business intelligence and point-of-care solutions for the healthcare industry. Wolters Kluwer Health's customers include professionals, institutions and students in medicine, nursing, allied health and pharmacy. Major brands include traditional publishers of medical and drug reference tools, journals and textbooks, such as Lippincott Williams & Wilkins; and electronic information providers, such as Ovid®, UpToDate®, Medi-Span®, Facts & Comparisons®, Pharmacy OneSource® and ProVation® Medical.

LMA North America, Inc.. Table 11



www.lmana.com

LMA North America, Inc. is a San Diego-based company dedicated to continuously improving patient care through the marketing and sales of high quality, innovative, proprietary products for anesthesia and critical care. The LMA™ family of products have significantly improved patient outcomes and been used on over 300 million patients worldwide.

Masimo Corporation..... Table 17



www.masimo.com

Masimo is a global medical technology company that develops and manufactures innovative noninvasive 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 noninvasive technologies that are revolutionizing patient monitoring, including Masimo SET® pulse oximetry, Masimo rainbow SET® noninvasive and continuous total hemoglobin (SpHb®), acoustic respiration rate (RRa™), Masimo Patient SafetyNet™, and SEDLine® (EEG-based) Brain Function Monitors.

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TECHNICAL TABLETOP EXHIBITS IN ALPHABETICAL ORDER

Med Man Simulations, Inc.....Table 21



www.gasmanweb.com

Med Man Simulations, Inc. is a non-profit organization offering Gas Man®, a valuable teaching tool that teaches the pharmacokinetics of inhalation anesthetics to residents, faculty, researchers, cost-managers, pharmacists, and anyone wanting to be an expert in any aspect of inhalation anesthesia. Gas Man® is the unique computer tool for teaching, simulating and experimenting with anesthesia uptake and distribution. Our software is used widely both in the U.S. and internationally.

Mercury Medical.....Table 7



www.mercurymed.com

The New air-Q® SP, the first Self-Pressurizing laryngeal mask, eliminates the guesswork of laryngeal mask cuff inflation. Positive pressure ventilation pressurizes the mask cuff. This increase in cuff seal pressure occurs at the time you need it, during the upstroke of ventilation. The New Flow-Safe™ II CPAP Device, delivers high FiO2 with over 50% less oxygen consumption. Titrable CPAP pressure up to 10cm H2O using standard flowmeters. Deluxe mask and built-in manometer verifies CPAP pressure.

Parker Medical.....Table 3



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 Parker Flex-Tip Endotracheal Tube which recently was granted a 510k by the FDA for Nasotracheal intubations, as well as our Flex-It Directional Stylet, and our disposable, silicone, Parker Laryngeal Mask Device.

Piramal Critical Care.....Table 18

Piramal Critical Care

www.piramalcriticalcare.com

Piramal Critical Care is the world's 3rd largest manufacturer of inhalation anesthetics and a global supplier of inhalation anesthetic agents for both human and veterinary use. Our leading products are Sevoflurane and Isoflurane. Visit us at the IARS Annual Meeting for more information on our current and future anesthesia products and details on our vaporizer program.

Ultrasonix Medical.....Table 5



ULTRASONIX

www.ultrasonix.com

Ultrasonix is a leading developer and manufacturer of high quality diagnostic ultrasound imaging systems. The SonixTOUCH Anesthesia has a unique set of features for nerve block guidance and vascular access including SonixGPS, Ultrasonix proprietary technology for freehand guidance of needles in-plane and out-of-plane. The company's unique OpenSONIX ultrasound technology provides superior image quality, ease of use and clinical flexibility to adapt to the needs of a variety of specialties.

IARS 2012 Annual Meeting Headquarter Hotel

Boston Marriott Copley Place
110 Huntington Avenue
Boston, Massachusetts 02116
Phone: (617) 236-5800

Meeting Room and Tabletop Exhibits

The majority of meeting rooms and the table-top exhibits are located on the fourth floor of the Marriott Copley Place. A Room Locator providing session room assignments will be provided at Registration. Please see page 90 for hotel meeting room floor plans.

Meeting Registration Location

The IARS Registration Desk is located on the fourth floor of the Marriott Copley Place.

Meeting Registration Hours

Friday, May 18 6:00 am – 5:30 pm
Saturday, May 19 6:00 am – 5:30 pm
Sunday, May 20 6:30 am – 5:00 pm
Monday, May 21 6:30 am – 11:30 am

Annual Meeting Registration Fee

The Annual Meeting Registration Fee includes access to the International Science Symposium, the T.H. Seldon Memorial Lecture, Review Course Lectures, Interactive Panel Sessions, Moderated Poster Discussion Rounds, Tabletop Exhibit Displays, and meeting food and beverage breaks.

Problem-Based Learning Discussions (PBLD's), Workshops and the History of Anesthesia Tour is an additional fee and are non-refundable once purchased.

Attendee Badges:

Please wear your badge at all times while attending sessions and functions. Your badge is required for admittance to all meeting rooms and food and beverage breaks.

Attendee Flash Drive

Attendees will each receive an Annual Meeting Flash Drive with a copy of the IARS 2012 Final Program, Preliminary Abstract Supplement, and Review Course Lecture Book. These documents will also be posted on the IARS website at the start of the meeting.

The Abstract Supplement will be updated and posted in final format to the IARS website thirty days after the Annual Meeting and will be available to IARS members and IARS 2012 Annual Meeting Attendees.

Online CME:

Visit the Cyber Center on the fourth floor foyer to access the online IARS CME. You may enter your credits online at the meeting and then print your CME certificate after the event from your office/home (we will not have printers onsite). An instruction sheet will be included with your attendee materials. Please note that all CME will be managed online.

Cyber Center:

A complimentary Cyber Center will be provided for attendees at the meeting on the fourth floor foyer. Please limit your time to ten minutes per use to allow all registrants access.

Special Needs:

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

No Smoking:

Smoking is not permitted in any of the meeting room areas of the hotel nor where IARS-sponsored activities are scheduled. We respectfully request that you abide by our smoke-free policy.

Electronic Devices:

Please mute the sound on all electronic devices during education sessions. Videotaping, filming and recording of sessions is not allowed without written permission from the presenter(s).

Photography Release

The IARS plans to take photographs at the 2012 Annual Meeting and reproduce them in IARS news or promotional material whether in print, electronic or other media, including the IARS website. By participating in the 2012 IARS Annual Meeting you grant the IARS the right to use your name, photograph, and biography for such purposes.

Technical and Scientific Education Tabletops

Exhibits are located on the fourth floor foyer.

Friday, May 18 7:00 am – 1:00 pm

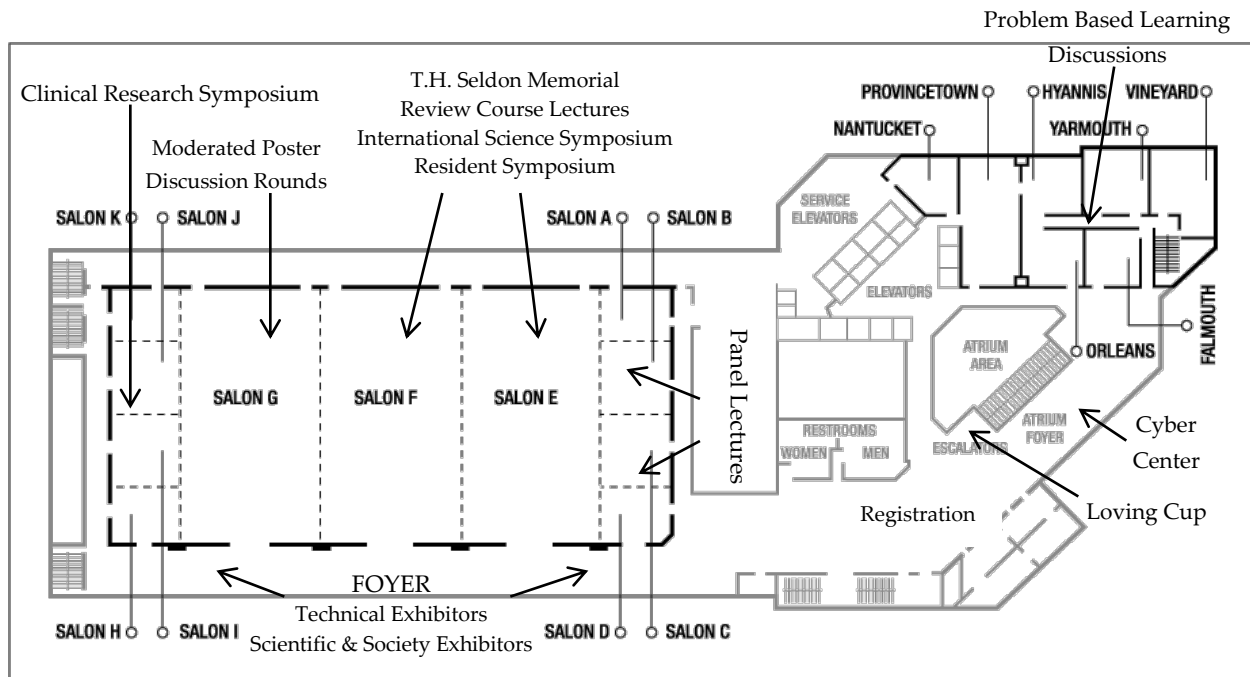
Saturday, May 19 7:00 am – 1:00 pm
Networking Reception 6:30 pm – 7:30 pm

Sunday, May 20 7:00 am – 1:00 pm

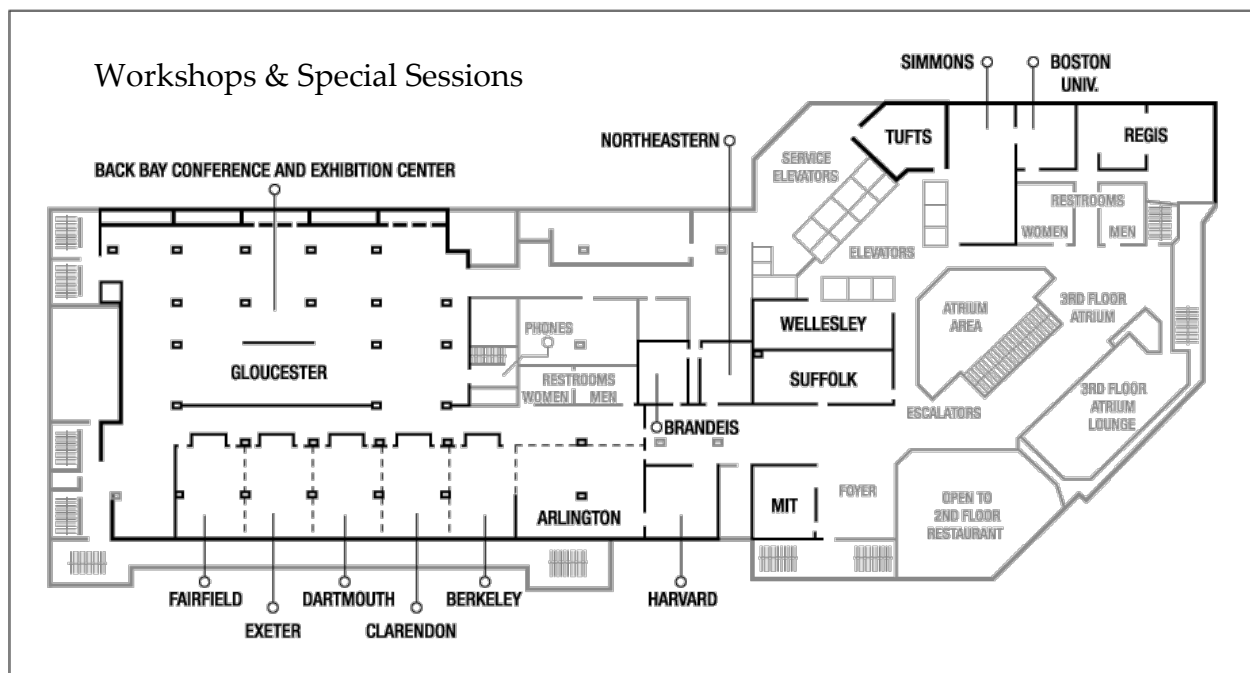


IARS 2012 Annual Meeting Floor Plan Marriott Copley Place

Fourth Floor



Third Floor



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