



Program

IARS 2015 ANNUAL MEETING AND INTERNATIONAL SCIENCE SYMPOSIUM

Improving Health Through Discovery and Education

MARCH 21-24, 2015

HILTON HAWAIIAN VILLAGE RESORT
HONOLULU, HAWAII



IARS

International Anesthesia Research Society

SmartTots

*Funding research
to ensure pediatric
anesthesia safety*



Visit us in
the IARS
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Resource
Center

www.SmartTots.org



IARS

International Anesthesia Research Society

General Information

Welcome to the IARS 2015 Annual Meeting and International Science Symposium in Hawaii!

Join 1,000 of the world's leading anesthesia educators and researchers for an invigorating program, featuring 25 Review Course Lectures, over 25 Panels focused on cutting-edge topics in subspecialty fields, 22 Problem-Based Learning Discussions with challenging case-based scenarios, 4 Interactive Ultrasound Guided Anesthesia Workshops, 3 Education Symposia, a dedicated Resident Education Program, and 3 days of Moderated Poster Discussion Sessions.



Hawaiian Phrase or Word = English Definition

A hui hou = Until we meet again, good bye

Aloha = A catch-all word of good intentions and feelings. Used as a greeting or parting, but also means love, affection, kindness and goodness. In Hawaii, people do things with aloha: drive, surf, work and live.

'Ole pilikia = No problem, no trouble

E Komo Mai = Welcome!

Howzit? = How are you? A common and informal greeting. Used often in conjunction with "braddah," which is a colloquial term for "brother" or "friend."

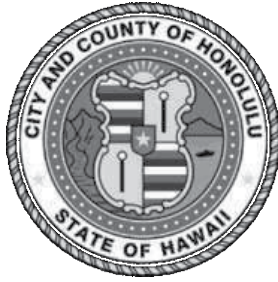
Mahalo = Thank you

Shaka = The hand gesture of extended thumb and pinkie. It generally symbolizes the "aloha spirit," or the feeling of gratitude, friendship, understanding, or solidarity. Drivers will often use it on the road when you let them in.

Wahine and Kāne = Women and Men (important for bathroom distinctions).

Discover Honolulu, Hawaii

Discover the laid-back charm of tropical Honolulu, the epicenter of Hawaii on the island of Oahu. With its many opportunities for adventure, relaxation, and exploration, Honolulu fulfills the desires of every visitor. From the majestic natural beauty of the island (*Diamond Head volcano, more than 100 beaches and bays, rainforests, and the largest mountain range in the world*) to the historic sites and cultural museums, Oahu reveals a contrast between the ancient and modern worlds and an experience to remember!



MESSAGE FROM MAYOR KIRK CALDWELL



It gives me great pleasure to offer my warmest aloha to the International Anesthesia Research Society (IARS) as they hold their 2015 Annual Meeting and International Science Symposium at the Hilton Hawaiian Village.

Congratulations to the 1,000 participants, which include the world's leading anesthesia educators and investigators, who will discuss and discover the latest advances in the field. Mahalo to this organization for contributing more than \$1 million each year to fund anesthesia research and for providing a forum for leaders to share their information and ideas.

I also want to thank the officers and organizers of this annual event on behalf of the City and County of Honolulu, and I extend best wishes for an informative program.

A handwritten signature in black ink, appearing to read "Kirk Caldwell". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kirk Caldwell



IARS

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March 21, 2015

Aloha!

Welcome to the International Anesthesia Research Society 2015 Annual Meeting and International Science Symposium and SOCCA 28th Annual Meeting and Critical Care Update! We are glad you are here among the world's leading anesthesia educators and researchers to participate in a phenomenal learning experience in Honolulu with its iconic landmarks and tropical ambiance.

Here are some of the highlights of this year's meeting.

- Dr. Eng H. Lo will present the T. H. Seldon Memorial Lecture Saturday morning at 7:30 am. Dr. Lo's research revolves around neuroprotection and neurovascular plasticity in stroke, brain injury, and neurodegeneration. He will address the subject of *Causation and Collaboration for Translating Neuroprotection*.
- The International Science Symposium will focus on *Anesthesiology and Psychiatry: A New Frontier* with Dr. Emery Brown moderating the discussion. Panelists include Dr. John Krystal, Dr. Sarah Hollingsworth "Holly" Lisanby, and Dr. Darin D. Dougherty.
- Three Education Symposia on *Rewiring the Brain with General Anesthesia: From Pathology to Therapy* on Sunday, March 22, *Cutting-Edge Pain Research and Treatment* on Monday, March 23, and *Strategic Use of Oxygen During Critical Care* on Monday, March 23, sponsored by the Association of University Anesthesiologists.
- Continue your education by visiting the Tabletop Exhibit Area for the latest innovations in technology, equipment, pharmaceutical services, and medical publications.

Join our special IARS Welcome Reception to start off the Annual Meeting on Friday, March 20 at 5:00 pm! The Welcome Reception will include a taste of what Hawaii has to offer including cultural traditions, vibrant energy, a magnificent and peaceful atmosphere, and much more.

We are confident that you will find this time together to be advantageous and fulfilling while you enjoy everything Hawaii has to offer.

Sincerely,

Denise J. Wedel, MD
Chair, IARS Board of Trustees

International Anesthesia Research Society

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www.iars.org • info@iars.org

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Activity Overview

Findings from new research and the evolution of anesthesiology practice based on emerging evidence create an inherent gap between existing practice and new practice models. The purpose of the IARS 2015 Annual Meeting and International Science Symposium is to provide a scientifically-based and clinically-oriented educational activity that will improve competence and performance in the anesthesiology specialty, resulting in improved patient care and outcomes.

Target Audience

The IARS 2015 Annual Meeting and International Science Symposium is designed to address the continuing medical education needs of anesthesiologists, anesthesiologists-in-training, anesthesia investigators, and allied health professionals who conduct research, practice, or intend to practice in any area of general anesthesia, subspecialty anesthesia, or pain management.

Educational Objectives

As a result of participating in the IARS 2015 Annual Meeting and International Science Symposium CME activity, learners will be able to:

- Describe the latest developments in critical care, perioperative medicine, pain management, and other anesthesiology subspecialty areas.
- Consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.
- Develop strategies for integrating new knowledge and behaviors into their professional practice.
- Recognize gaps in their knowledge, behavior, and patient outcomes that may result in a need for additional education and training.

Accreditation Statement

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

Credit Designation Statement

The International Anesthesia Research Society (IARS) designates this live activity for a maximum of 24 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Claiming CME Credit

The IARS will provide online program evaluation and session tracking to support claiming CME credit through March 20, 2018.

Maintenance of Certification in Anesthesiology (MOCA)

Physicians wishing to have credits from this educational activity reported to the ABA for the ABA MOCA Program may do so by entering their eight digit ABA identification number when claiming CME credit. The IARS forwards credits to the ABA on a quarterly basis.

Disclosure

The IARS makes every effort to develop CME activities that are scientifically-based, accurate, current, and objectively presented. The IARS has implemented mechanisms requiring everyone in a position to control content to disclose all relationships with relevant commercial interests. The IARS provides these disclosures to learners in the program and in advance of each session. The IARS resolves any potential conflicts of interest prior to presentation of the activity. Individuals who refuse or fail to provide the required disclosures are disqualified from planning, managing, presenting, and evaluating the activity. Learners are asked to report any perceived commercial bias or lack of objectivity on the session evaluations.

General Information

How to Use the Program

In this Program, you will find the information needed to make the most of your Annual Meeting experience. Included is a complete listing of Annual Meeting events and Schedule-At-A-Glance grids for each day.

See page 8 of this book for a map of the Hilton Hawaiian Village and page 9 for a floor plan of the Hilton Hawaiian Village meeting rooms and Tabletop Exhibits.

Please take time to familiarize yourself with the floor plan for the Hilton Hawaiian Village when you arrive.

Anesthesia Subspecialty Key for Education Sessions

All education sessions at the Annual Meeting are coded by the anesthesia subspecialty for which they pertain. Please see below for the Anesthesia Subspecialty Key.

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

Location

IARS 2015 Annual Meeting Headquarters Hotel

The Annual Meeting sessions take place in the Mid-Pacific Conference Center at the Hilton Hawaiian Village Resort. The Welcome Reception will be held in the Coral Ballroom Foyer also located in the Mid-Pacific Conference Center at the Hilton Hawaiian Village Resort.

Hilton Hawaiian Village Resort

2005 Kalia Road • Honolulu, Hawaii 96815
t 808-949-4321
f 808-951-5458

Registration

Registration Area

Your registration materials will be available for pick up at the Registration Desk in the Coral Ballroom Foyer in the Mid-Pacific Conference Center.

Registration Hours

Friday, March 20.....	5:30 am – 6:00 pm
Saturday, March 21	5:30 am – 1:30 pm
Sunday, March 22	5:30 am – 1:30 pm
Monday, March 23.....	5:30 am – 1:30 pm
Tuesday, March 24.....	6:00 am – 10:00 am

Registration materials will include a printed copy of the IARS 2015 Annual Meeting and International Science Symposium Program. The Abstract Supplement and Review Course Lecture Book will be posted to the IARS website at www.iars.org.

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

Name Badges

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

Exhibits

Tabletop Exhibits Area

The Tabletop Exhibits are located in the Coral Ballroom Foyer in the Mid-Pacific Conference Center. Please join us in the Coral Ballroom Foyer for the Welcome Reception on Friday, March 20 at 5:00 pm. For complete information on the Tabletop Exhibits, please refer to the **Exhibitor & Sponsor Guide** in your registration materials.

Tabletop Exhibit Hours:

Friday, March 20	5:00 pm – 6:00 pm	Welcome Reception
Saturday, March 21.....	6:00 am – 1:30 pm	
Sunday, March 22.....	6:00 am – 1:30 pm	
Monday, March 23	6:00 am – 1:30 pm	

Services

IARS Member Resource Center

The IARS is anesthesiology's non-political organization focused on providing scientific and evidence-based safe anesthesia care. The IARS Member Resource Center features information on publications, education, research grant opportunities and other resources available to IARS members. The IARS Member Resource Center is located in the Coral Ballroom Foyer in the Mid-Pacific Conference Center.

Internet Availability

Complimentary wireless internet is available in the conference and exhibit area and all IARS scheduled meeting rooms. Open your internet browser and choose the network labeled "IARS." When prompted for an access code, enter "#paradise2015." Please no streaming or video downloads.



IARS 2015 Annual Meeting App

The IARS 2015 Annual Meeting and International Science Symposium will feature an interactive app that will allow you to view the complete event schedule, explore all sessions, and get detailed presenter information.

Download the app, **IARS 2015**, available for iPhone, iPad, Android, and HTML5 for Blackberry in the Google Play and Apple Stores today. Your **username** for the app is the email with which you registered for the Annual Meeting. The **password** for all users is: "iars2015." Expand your professional network and make the most of your Annual Meeting experience! Any questions? Contact iarsapp@iars.org.

Twitter

Share your experience and thoughts during the Annual Meeting by tweeting and using the hashtag, #IARS15. You can also follow the official IARS Annual Meeting Twitter Feed (@IARS15) at <http://twitter.com/IARS15>.

White Paper Submission Site Opens March 24 for the IARS 2016 Annual Meeting!

Contribute to the IARS mission to encourage and stimulate innovative and forward-thinking anesthesia research and education! Submit your white paper proposal today and be a part of the IARS 2016 Annual Meeting and International Science Symposium education program!

IARS will be accepting proposals for Panels, Problem-Based Learning Discussion (PBLD's) sessions, and Workshops for possible inclusion in the IARS 2016 Annual Meeting and International Science Symposium, May 21-24, in San Francisco, California.

Deadline to Submit White Papers: Friday, June 12, 2015

Make sure you don't miss this great opportunity!

For more information, visit www.iars.org.

Information

Electronic Devices

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



Photography Release

The IARS plans to take photographs at the IARS 2015 Annual Meeting and International Science Symposium and reproduce them in IARS news or promotional materials, whether in print, electronic or other media, including the IARS website. By participating in the IARS 2015 Annual Meeting and International Science Symposium, you grant the IARS the right to use your name, photograph, and biography for such purposes.



Smoke-Free Policy

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

Special Needs

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

IARS Welcome Reception

E Komo Mai! Welcome!

Experience the spirit of aloha from the moment you arrive at the IARS 2015 Annual Meeting and International Science Symposium. Join us at the IARS Welcome Reception in the Coral Ballroom Foyer in the Mid-Pacific Conference Center on Friday, March 20, 5:00 pm to 6:00 pm. Registration will also be open during the reception.

Hawaii Travel Tips

Time Zone

Hawaii follows Hawaii Standard Time (GMT-10 hours) and does not observe Daylight Savings Time. From March through November, Hawaii Standard Time is six hours behind Eastern Daylight Savings Time and three hours behind Pacific Daylight Savings Time.

Weather

Weather is fairly steady in Hawaii with only two seasons – summer (Kau in Hawaiian) from May to October and winter (Hooilo) from November to April. In March, the average daytime temperature is 78° F (25.6° C) and approximately 10 degrees cooler at night.

Water and Surf Conditions

The average water temperature near shore is 74° F (23.3° C).

General Information

Restaurants

The Hilton Hawaiian Village has a number of restaurants and places to get a quick bite as well as two ABC convenience stores on the resort property.

This list is as of press-time and subject to change. Please check with the hotel concierge for an updated list when you check-in.

Bali Steak & Seafood

Located in the Rainbow Tower
Tuesday – Saturday:
5:00 pm – 9:00 pm

Benihana

Located in the Rainbow Bazaar
Daily: 7:00 am – 10:30 pm
Lunch: 11:30 am – 2:00 pm
Dinner: 5:00 pm – 10:00 pm

CJ's New York Deli

Located in the Rainbow Bazaar
Daily: 7:00 am – 9:30 pm

DQ/Orange Julius at the Beach

Located in the Rainbow Tower
Sunday – Thursday:
11:00 am – 7:00 pm
Friday and Saturday:
11:00 am – 9:00 pm

Fresco Italian Restaurant

Located in the Rainbow Tower
Daily: 11:00 am – 9:30 pm
Lunch: 11:00 am – 2:30 pm
Dinner: 5:00 pm – 9:30 pm

Fresh Connection

Located in the Ali'i Tower
Daily: 7:00 am – 10:00 pm

Hanajuban & Hatsuhana

Located in the Rainbow Tower
Daily: 6:00 am – 10:00 pm
Happy Hour: 2:30 pm – 5:00 pm

Hau Tree Bar

Located at the Super Pool
Daily: 10:30 am – 7:30 pm

Lanikai Juice Hawaii

Located at the Tapa Pool
Daily: 6:30 am – 8:00 pm
Open until 9:00 pm on Fridays

Lappert's Hawaii

Located in the Rainbow Bazaar
Daily: 6:00 am – 11:00 pm

Paradise Lounge

Located in the Rainbow Tower
Tuesday – Saturday:
5:00 pm – 10:00 pm
Live Music on Friday & Saturday from
6:00 pm – 9:00 pm

Pronto Pickle

Located in the Ali'i Tower
Daily: 7:00 am – 10:00 pm

Pronto Pickle II

Located at the Paradise Pool
Friday – Monday:
10:30 am – 5:30 pm

Rainbow Lanai

Located in the Rainbow Tower
Breakfast: 5:30 am – 11:00 am

Round Table Pizza

Located in the Rainbow Tower
Daily: 11:00 am – midnight

Starbucks Coffee

Located in the Ali'i Tower
Daily: 5:30 am – 8:00 pm
Located in the Kalia Tower
Daily: 5:30 am – 7:00 pm

Tapa Bar

Located in the Tapa Tower
Daily: 10:00 am – 11:00 pm
Happy Hour: 4:00 pm – 6:00 pm

Tropics Bar & Grill

Located in the Ali'i Tower
Daily: 7:00 am – 10:30 pm
Breakfast: 7:00 am – 11:00 am
Lunch: 11:00 am – 5:00 pm
Dinner: 5:00 pm – 10:00 pm

ABC Convenience Stores

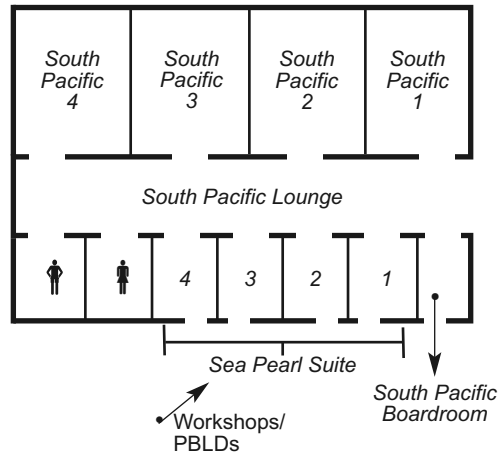
Store 1: Located in the Rainbow Bazaar
Store 2: Located in the Tapa Tower
Daily: 6:30 am – 12:30 am



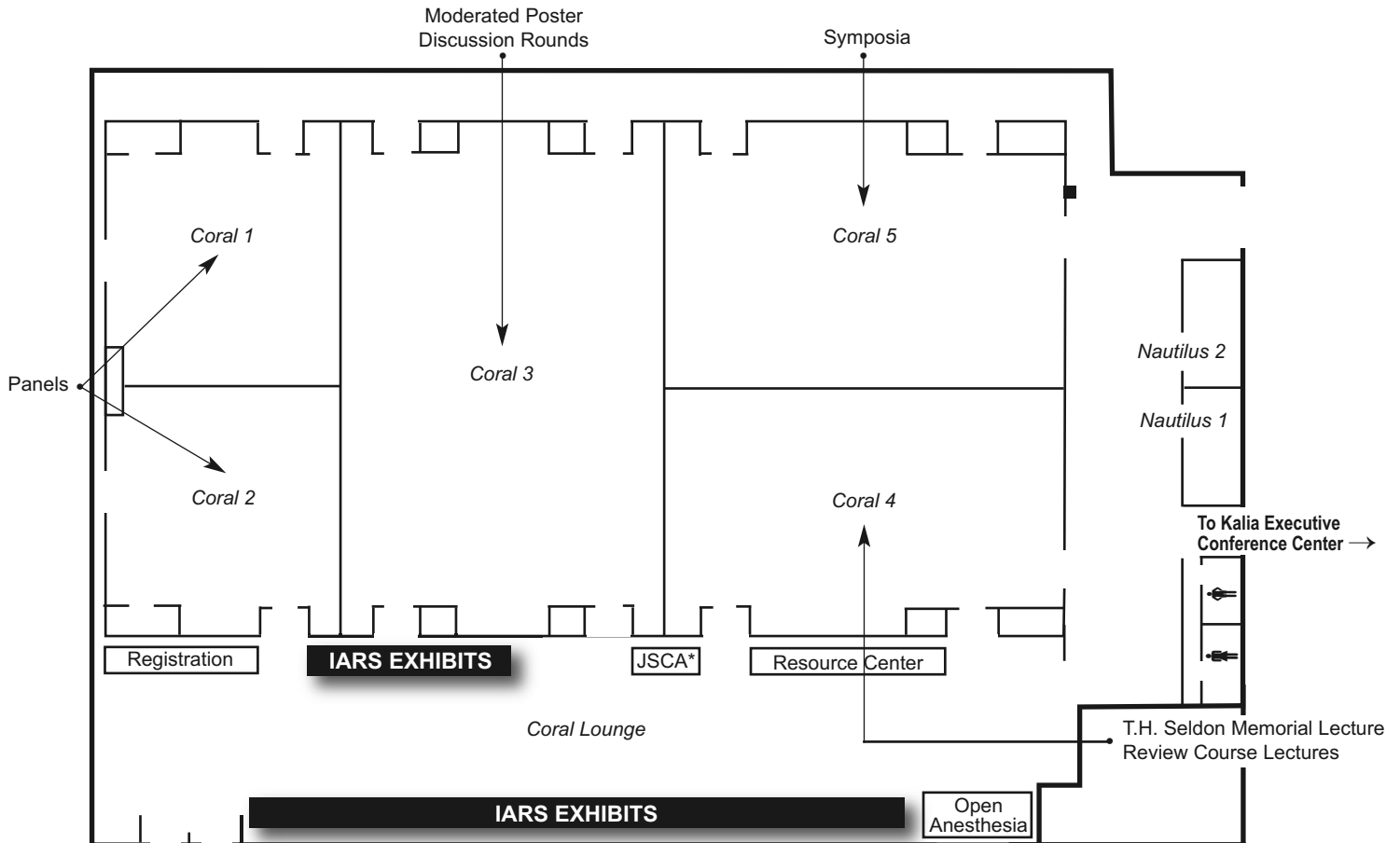
IARS 2015 Annual Meeting and International Science Symposium The Hilton Hawaiian Village

Floor Plans

Mezzanine Level



Mid-Pacific Conference Center



*Japan Society for Clinical Anesthesia

Education Sessions

Four Days of Stimulating Education Sessions at the

IARS 2015 ANNUAL MEETING AND INTERNATIONAL SCIENCE SYMPOSIUM

Over the next four days of invigorating learning opportunities at the IARS 2015 Annual Meeting and International Science Symposium, hear from the world's leaders in anesthesia and take away the valuable knowledge you need to advance your research and practice.

T.H. SELDON MEMORIAL LECTURE

Saturday, March 21, 7:30 am - 8:30 am

Causation and Collaboration for Translating Neuroprotection

Eng H. Lo, PhD, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts

INTERNATIONAL SCIENCE SYMPOSIUM

Saturday, March 21, 9:00 am - 12:00 pm

Anesthesiology and Psychiatry: A New Frontier

Moderator: Emery N. Brown, MD, PhD, Massachusetts General Hospital,
Massachusetts Institute of Technology, Boston, Massachusetts

EDUCATION SYMPOSIA

Sunday, March 22, 7:00 am – 10:00 am

Rewiring the Brain with General Anesthesia: From Pathology to Therapy

Moderator: Gregory Crosby, MD, Brigham & Women's Hospital,
Harvard Medical School, Boston, Massachusetts

Monday, March 23, 7:00 am – 10:00 am

Cutting-Edge Pain Research and Treatment

Moderator: Howard Gutstein, MD, University of Texas,
MD Anderson Cancer Center, Houston, Texas

Monday, March 23, 10:30 am – 1:30 pm

AUA: Strategic Use of Oxygen During Critical Care

Moderator: Gary Fiskum, PhD, University of Maryland School of Medicine,
Baltimore, Maryland

FOCUS ON CRITICAL CARE DAY

Supported by the **Society of Critical Care Anesthesiologists (SOCCA)**, a **Focus on Critical Care Day** will be offered on **Saturday, March 21**. Join the leaders in critical care anesthesia as they present two Panels, two Review Course Lectures, a Critical Care Ultrasound Workshop and a Problem-Based Learning Discussion.



Focus on Critical Care Day



Saturday, March 21

Focus on Critical Care Day

Supported by the Society of Critical Care Anesthesiologists (SOCCA), join the leaders in critical care anesthesia as they examine and challenge current practices in critical care medicine and discuss recent cutting-edge discoveries during two Panels, two Review Course Lectures, a Critical Care Ultrasound Workshop and a Problem-Based Learning Discussion.

PROBLEM-BASED LEARNING DISCUSSION (PBLD)

6:00 am – 7:00 am

CONGENITAL HEART DISEASE FOR NONCARDIAC SURGERY?

Moderator: Patricia Murphy, MD, Associate Professor, Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario, Canada

REVIEW COURSE LECTURES

9:45 am – 10:30 am

EBOLA: CARE OF THE PATIENT AND THE ANESTHESIOLOGIST

Steven J. Lisco, MD, FCCM, FCCP, Professor and Chairman, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, Nebraska

12:45 pm – 1:30 pm

ANESTHESIA ADVANCED CIRCULATORY LIFE SUPPORT

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

PANEL SESSION

9:00 am – 10:30 am

CRITICAL CARE FOR THE NONINTENSIVIST: WHAT YOU NEED TO KNOW

Moderator: Patricia Murphy, MD, Associate Professor, Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario, Canada

Panelists:

- **Modes of Mechanical Ventilation**

Daniel R. Brown, MD, PhD, FCCM, Director, Multidisciplinary Critical Care Practice, Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota

- **Fluid Resuscitation – What's New in 2015**

Aryeh Shander, MD, FCCM, FCCP, Chief, Department of Anesthesiology, Critical Care Medicine, Pain Management and Hyperbaric Medicine at Englewood Hospital and Medical Center Englewood, New Jersey; Clinical Professor of Anesthesiology, Medicine and Surgery, Icahn School of Medicine at Mount Sinai, New York, New York; President, Society of Critical Care Anesthesiologists (SOCCA)

- **Transfusion Triggers – Where is the Bar Now?**

Linda Liu, MD, Professor, Department of Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

PANEL SESSION

10:30 am – 12:00 pm

COORDINATING PERIOPERATIVE CARE ACROSS THE CONTINUUM: DEFINING ROLES AND RESPONSIBILITIES FOR MANAGING THE CRITICALLY ILL PATIENT

Moderator: Neal H. Cohen, MD, MPH, MS, Professor, Department of Anesthesia and Perioperative Care, Interim Vice Dean, Academic Affairs, University of California, San Francisco, San Francisco, California

Panelists:

- **Perioperative Assessment and Plan**

Aaron Joffe, DO, Associate Professor of Anesthesiology, University of Washington School of Medicine, Harborview Medical Center, Seattle, Washington

- **Critical Care Management**

Brenda G. Fahy, MD, MCCM, Professor of Anesthesiology, Department of Anesthesiology in the College of Medicine, Division Chief, Critical Care Medicine, University of Florida, Gainesville, Florida; Past President, Society of Critical Care Anesthesiologists (SOCCA)

- **Role for Palliative Care**

Rebecca Aslakson, MD, PhD, Associate Professor, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland

WORKSHOP

9:00 am – 1:00 pm

CRITICAL CARE ULTRASOUND WORKSHOP

Workshop Leaders:

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

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

Presenters:

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

Breandan Sullivan, MD, Assistant Professor, Anesthesiology and Adjunct Assistant Professor of Surgery, University of Colorado Hospital, Aurora, Colorado

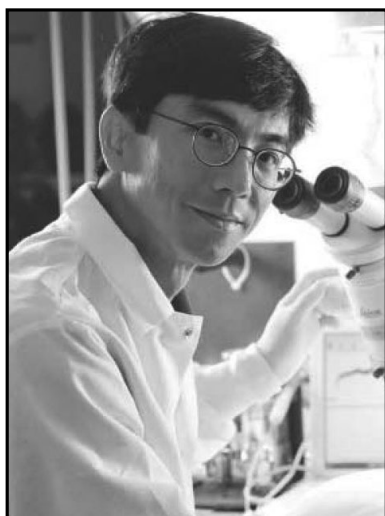
Peter von Homeyer, MD, FASE, Assistant Professor of Anesthesiology, University of Washington School of Medicine, Seattle, Washington

Ricardo Martinez-Ruiz, MD, Associate Professor of Clinical Anesthesiology, University of Miami Health System, Miami, Florida

Saturday, March 21 • 7:30 am – 8:30 am

NR

T.H. SELDON MEMORIAL LECTURE
Causation and Collaboration for Translating Neuroprotection



Eng H. Lo, PhD

*Head, Neuroprotection Research Laboratory,
Massachusetts General Hospital;
Professor of Neurology and Radiology,
Harvard Medical School
Boston, Massachusetts*

Join us at the IARS Opening General Session where Dr. Lo will take us on a journey of discovery as he identifies the mechanisms and challenges in neuroprotection research; unveils the potential hurdles and opportunities for translation; and reveals the essential nature of inter-disciplinary collaboration.

Dr. Lo's research involves neuroprotection and neurovascular plasticity in stroke, brain injury and neurodegeneration, as well as in vivo imaging of cerebrovascular and metabolic function. He serves on the editorial boards of multiple anesthesia journals and has contributed to over 200 publications in peer-reviewed journals, chaired several AHA and NIH study sections, and is a member of the scientific advisory board of the European Stroke Network, and a fellow of the AHA Stroke Council. In 2009, Dr. Lo was selected as the Jacob Javits Neuroscience Investigator by NINDS. In 2012, he was appointed as the Phyllis and Jerome Lyle Rappaport Research Scholar at Massachusetts General Hospital.

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



Saturday, March 21 • 9:00 am – 12:00 pm

NR

INTERNATIONAL SCIENCE SYMPOSIUM *Anesthesiology and Psychiatry: A New Frontier*

Moderator

Emery N. Brown, MD, PhD

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

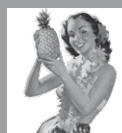
Edward Hood Taplin Professor of Medical Engineering, Institute for Medical Engineering and Science; Professor of Computational Neuroscience, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Boston, Massachusetts

Presenters

John H. Krystal, MD, *Robert L. McNeil Jr. Professor of Psychiatry, Professor of Neurobiology, and Chair of the Department of Psychiatry at the Yale School of Medicine; Chief of Psychiatry, Yale-New Haven Hospital; Director of the NIAAA Center for the Translational Neuroscience of Alcoholism; Director, Clinical Neuroscience Division, VA National Center for PTSD; Director, VA Alcohol Research Center; Medical Director, Schizophrenia Biological Research Center, DVA, New Haven, Connecticut*

Sarah Hollingsworth “Holly” Lisanby, MD, *Chair, Department of Psychiatry and Behavioral Sciences, Duke University School of Medicine, Durham, North Carolina*

Darin D. Dougherty, MD, MSC, *Director, Neurotherapeutics Division, Massachusetts General Hospital; Associate Director, Psychiatric Neuroimaging Program; Director, Mood Disorders Section, Psychiatric Neuroimaging Program; Associate Professor of Psychiatry, Harvard Medical School, Boston, Massachusetts*





Daily Schedule-At-A-Glance*

5:30 am – 1:30 pm	Registration	9:00 am – 12:00 pm	International Science Symposium <i>Anesthesiology and Psychiatry: A New Frontier</i>
6:00 am – 7:00 am	Problem-Based Learning Discussions (PBLDs)	9:00 am – 1:00 pm	SOCCA Critical Care Ultrasound Workshop
7:00 am – 7:30 am	Welcome and Opening Remarks	9:00 am – 1:30 pm	Concurrent Sessions • Review Course Lectures • Interactive Panels • Moderated Poster Discussion Sessions
7:30 am – 8:30 am	T.H. Seldon Memorial Lecture <i>Causation and Collaboration for Translating Neuroprotection</i> Eng H. Lo, PhD		

6:00 am – 1:30 pm Tabletop Exhibits

* Listed sessions and presenters are as of press time. Please check www.iars.org for updates.

Anesthesia Subspecialty Key for Education Sessions

All education sessions at the Annual Meeting are coded by the anesthesia subspecialty for which they pertain. Please see below for the Anesthesia Subspecialty Key.

AM = Airway Management	PME = Pain Mechanisms
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L = Liver	TCSEM = Technology, Computing and Simulation, Equipment Monitoring
NR = Neuroscience in Anesthesiology and Perioperative Medicine	T = Trauma
OB = Obstetric Anesthesiology	

Problem-Based Learning Discussions



PBLD-SAT-01 • 6:00 am – 7:00 am

CA

**CONGENITAL HEART DISEASE FOR
NON-CARDIAC SURGERY?**

Moderator: Patricia Murphy, MD, Associate Professor, Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the anesthesia implications and perioperative considerations in a patient with Adult Congenital Heart Disease (ACHD) undergoing non-cardiac surgery; (2) Discuss the preoperative preparation of a patient with ACHD and the role of optimisation by cardiology and anesthesiology in the preoperative setting; (3) Discussion of the intraoperative management of a patient with ACHD including consideration of the effect of surgical intervention on the altered cardiac physiology; and (4) Review the postoperative management including optimal pain control, postop disposition, anticipated fluid shifts and potential surgical complications.



Problem-Based Learning Discussions – continued

PBLD-SAT-02 • 6:00 am – 7:00 am

CA

SEPARATION FROM CPB AFTER AVR IN PATIENT WITH HOCM PHYSIOLOGY. BY THE WAY, THE PATIENT ALSO HAS POST PUMP RV DYSFUNCTION

Moderator: Stavroula Nikolaidis, MD, Associate Professor, Clinical Anesthesiology, Temple University School of Medicine, Huntingdon Valley, Pennsylvania

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the implications of HOCM physiology. Discuss HOCM treatment options; (2) Distinguish echocardiographic and hemodynamic findings of HOCM versus AS; (3) Describe the hemodynamic effects, particularly during separation from CPB, after AVR, in the presence of HOCM physiology; and (4) Recognize the implications of RV dysfunction during separation from CPB, in the presence of HOCM.

PBLD-SAT-03 • 6:00 am – 7:00 am

AM, CA, PS

MEDIASTINAL MASS AND SEVERE TRACHEAL COMPRESSION

Moderator: Randal S. Blank, MD, PhD, Associate Professor of Anesthesiology, Director, Thoracic Anesthesia, University of Virginia School of Medicine, Charlottesville, Virginia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Stratify the patient with mediastinal mass(es) according to risk based on symptoms and preoperative testing data; (2) Discuss the principal factors that determine risk of mediastinal mass syndrome in the patient with mediastinal mass(es); (3) Formulate an anesthetic plan that minimizes risks of mediastinal mass syndrome; and (4) Appreciate the appropriate role of cardiopulmonary bypass and other salvage techniques in the management of the patient with a high-risk mediastinal mass.

PBLD-SAT-04 • 6:00 am – 7:00 am

PM, CC, T, PS, PA

PAIN MANAGEMENT FOR PATIENTS WITH RIB FRACTURES UTILIZING PARAVERTEBRAL BLOCKS

Moderator: Richa Wardhan, MD, Assistant Professor of Anesthesiology, Director of Regional Fellowship, Department of Anesthesiology, Yale School of Medicine, New Haven, Connecticut

Learner Objectives: After participating in this activity, the learner will be able to: (1) Appreciate the impact of untreated rib fracture pain in this patient population; (2) Understand the anatomy of the paravertebral space; (3) Comprehend the techniques utilized for placing paravertebral blocks both landmark and ultrasound guided; and (4) Understand the parameters used in daily assessment of these patients.

PBLD-SAT-05 • 6:00 am – 7:00 am

CC, T, NR, PS, PA



THORACOLUMBAR FUSION COMPLICATED BY UNEXPECTED VENTILATION PROBLEMS

Moderator: Deepak Sharma, MBBS, MD, DM, Professor & Division Chief of Neuroanesthesiology and Perioperative Neurosciences, University of Washington School of Medicine, Seattle, Washington

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the spine procedures which may involve large volumes of blood loss; (2) Outline plans to decrease blood loss and discuss risks and benefits of implementing such plans; (3) Describe a monitoring plan to diagnose complications arising from blood transfusion including lung injury; and (4) Demonstrate a treatment plan for Transfusion Related Acute Lung Injury.

PBLD-SAT-06 • 6:00 am – 7:00 am

CC, T, NR, PS, PA

PERIOPERATIVE STROKE – IS IT ANYONE’S FAULT?

Moderator: Apolonia Abramowicz, MD, Associate Professor of Anesthesiology, Director, Division of Neuroanesthesia, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the time-sensitive steps required for effective postoperative ischemic stroke diagnosis and treatment; (2) Design an anesthetic plan for interventional management of acute ischemic stroke; (3) Diagnose the etiology of postoperative ischemic stroke in an older patient after total joint replacement; (4) Prioritize the goals of hemodynamic and anticoagulation management after interventional treatment of postoperative ischemic stroke; and (5) Interpret the relationship between blood pressure and the risk of postoperative ischemic stroke.

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Your username for the mobile app is the email with which you registered for the Annual Meeting, and the password for all users is **iars2015**.



Review Course Lectures

RCL-01 • 9:45 am – 10:30 am

CC, T

EBOLA: CARE OF THE PATIENT AND THE ANESTHESIOLOGIST

Steven J. Lisco, MD, FCCM, FCCP, Professor and Chairman, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, Nebraska

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review clinical concerns in patients infected with Ebola Virus Disease; (2) Review potential risks to anesthesiologists from infectious agents in the operating room and critical care settings; (3) Identify the types/levels, appropriate use and donning and doffing procedures for personal protective equipment; (4) Recognize the logistical challenges presented by the care of patients infected with Ebola virus and other highly pathogenic contagions and implications for healthcare workers in a biocontainment unit and operating room environment.

RCL-02 • 10:30 am – 11:15 am

CC, T

CURRENT APPROACHES TO TREAT POST-TRAUMATIC COAGULOPATHY

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

Learner Objectives: After participating in this activity, the learner will be able to: (1) Present new data on the mechanisms of acute coagulopathy of trauma; (2) Review the current methods for diagnosis of acute coagulopathy of trauma; and (3) Review current and future therapeutic approaches of acute coagulopathy of trauma.



RCL-03 • 11:15 am – 12:00 pm

R, GA

ULTRASOUND FOR REGIONAL ANESTHESIA: ACROSS THE AGE SPECTRUM

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

Learner Objectives: After participating in this activity, the learner will be able to: (1) Provide an update of ultrasound guided regional anesthesia (UGRA) in adults; (2) Review recently published safety record of UGRA; and (3) Cite new safety concerns of regional anesthesia and prevention strategies.

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

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss current evidence-based data on safety of common regional techniques in children; (2) Discuss awake vs. asleep placement of regional nerve blocks; and (3) Discuss dosing guidelines for common blocks in children.

RCL-04 • 12:00 pm - 12:45 pm

CA, PS

HOSPITAL-ACQUIRED ANEMIA: A HAZARD OF HOSPITALIZATION?

Presenter: Colleen Koch, MD, MS, MBA, FACC, Mark C. Rogers Professor and Chair, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: (1) Become aware of the prevalence and implications of hospital-acquired anemia; (2) Recognize factors contributing to its development; and (3) Learn of process improvement initiatives once implemented, may reduce its occurrence.

RCL-05 • 12:45 pm - 1:30 pm

CC, CA



ANESTHESIA ADVANCED CIRCULATORY LIFE SUPPORT

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

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



Panels



P-01 • 9:00 am - 10:30 am



CRITICAL CARE FOR THE NON-INTENSIVIST -WHAT YOU NEED TO KNOW

Moderator: Patricia Murphy, MD, Associate Professor, Department of Anesthesia and Pain Management, University of Toronto, Toronto, Ontario, Canada

Panelists:

• Modes of Mechanical Ventilation

Daniel R. Brown, MD, PhD, FCCM, Director, Multidisciplinary Critical Care Practice and Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota

• Fluid Resuscitation – What’s New in 2015

Aryeh Shander, MD, FCCM, FCCP, Chief, Department of Anesthesiology, Critical Care Medicine, Pain Management and Hyperbaric Medicine at Englewood Hospital and Medical Center Englewood, New Jersey; Clinical Professor of Anesthesiology, Medicine and Surgery, Icahn School of Medicine at Mount Sinai, New York, New York; President, Society of Critical Care Anesthesiologists (SOCCA)

• Transfusion Triggers – Where is the Bar Now?

Linda Liu, MD, Professor, Department of Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

Learner Objectives: After participating in this activity, the learner will be able to: Discuss Critical Care for the Non-Intensivist, including: (1) Modes of Mechanical Ventilation; (2) Fluid Resuscitation; and (3) Transfusion Triggers



P-02 • 10:30 am - 12:00 pm

PA, EEP

COORDINATING PERIOPERATIVE CARE ACROSS THE CONTINUUM: DEFINING ROLES AND RESPONSIBILITIES FOR MANAGING THE CRITICALLY ILL PATIENT

Moderator: Neal H. Cohen, MD, MPH, MS, Professor, Department of Anesthesia and Perioperative Care, and Interim Vice Dean, Academic Affairs, University of California, San Francisco, San Francisco, California

Panelists:

• Perioperative Assessment and Plan

Aaron Joffe, DO, Associate Professor of Anesthesiology, University of Washington School of Medicine, Harborview Medical Center, Seattle, Washington

• Critical Care Management

Brenda G. Fahy, MD, MCCM, Professor of Anesthesiology, Department of Anesthesiology in the College of Medicine; Division Chief, Critical Care Medicine, University of Florida, Gainesville, Florida; Past President, Society of Critical Care Anesthesiologists (SOCCA)

• Role for Palliative Care

Rebecca Aslakson, MD, PhD, Associate Professor, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland

Learner Objectives: After participating in this activity, the learner will be able to: Define roles and responsibilities for managing the critically ill patient, including: (1) The perioperative assessment and plan; (2) Critical care management and; (3) The role of palliative care.

Tabletop Exhibits Area

Visit the Tabletop Exhibits, located in the Coral Ballroom Foyer in the Mid-Pacific Conference Center. Also, make sure to join us in the Coral Ballroom Foyer for the Welcome Reception on Friday, March 20 at 5:00 pm. For complete information on the Tabletop Exhibits, please refer to the Exhibitor & Sponsor Guide in your registration materials.

Tabletop Exhibit Hours:

Friday, March 20	5:00 pm – 6:00 pm
	Welcome Reception
Saturday, March 21	6:00 am – 1:30 pm
Sunday, March 22	6:00 am – 1:30 pm
Monday, March 23	6:00 am – 1:30 pm



Panels – continued

European Society of Anaesthesiology

ESA

P-03 • 10:30 am - 12:00 pm

CA

ANESTHESIA FOR THE CARDIAC RISK PATIENT

Moderators:

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

Markus W. Hollmann, MD, PhD, *Professor, University of Maastricht, Maastricht, The Netherlands*

Panelists:

• **Preoperative Assessment of the Cardiac Risk Patient: With METs, BNP, Automatic ECG Analysis and Comprehensive TTE by Anesthesiologists: Do We Still Need The Cardiologist?**

Peter Tonner, MD, PhD, *Professor and Chair, Department of Anesthesiology and Intensive Care, Klinikum Links der Weser, Bremen, Germany*

• **Perioperative Adjuvant Cardioprotective Therapy**

Benedikt Preckel, MD, PhD, *Professor, Department of Anesthesiology, Faculty of Medicine of the University of Amsterdam (AMC-UvA), Amsterdam, Netherlands*

• **Regional Anesthesia for Fracture of Neck or Femur of the Cardiac Risk Patient: Is Regional Anaesthesia Beneficial?**

Gabriella Iohom, MD, PhD, *Department of Anaesthesia and Intensive Care Medicine, Cork University Hospital (CUH); Senior Lecturer in Anaesthesia, University College Cork, Wilton, Cork, Ireland*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe anesthesia for the cardiac risk patient; (2) Discuss the preoperative assessment of the cardiac risk patient; (3) Review perioperative adjunct cardioprotective therapy; and (4) Review regional anesthesia for neck or femur fracture of the cardiac risk patient.



P-04 • 12:00 pm - 1:30 pm

THREE MYTHS OF ANESTHESIA PATIENT SAFETY

PS

Moderator: Richard C. Prielipp, MD, MBA, FCCM

Panelists:

• **My Patient in the PACU Can't Be Weak – They Had 4 Good Twitches!**

- Is Residual NMB Weakness a Real Problem in PACU?
- Do Patients Suffer Complications as a Result?
- Why Won't Anesthesia Professionals Use Twitch Monitoring?
- How Can We Improve Our Practice with NMB Drugs?

Sorin J. Brull, MD, FCARCSI (Hon), *Professor and Consultant, Department of Anesthesiology, Mayo Clinic College of Medicine; Clinical Professor (Courtesy), Department of Anesthesiology, University of Florida College of Medicine, Gainesville, Florida; Section Editor, Patient Safety, Anesthesia & Analgesia*

• **Guidelines & Checklists – They Gotta Be Right Cuz They Were Done By Experts!**

- Cite Examples of Recent Guidelines that Went Astray
- Understand the Typical Roadmap to Development of Society Guidelines
- Note the Ten Ways that Checklists May be Counterproductive
- Formulate Strategies for the Future to Improve Implementation of Checklists

Richard C. Prielipp, MD, MBA, FCCM, *Professor, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota*

• **Glucose Meters: It's So Simple Now to Measure a Blood Sugar!**

- Examine the Options for Perioperative Glucose Measurement
- Compare the Good, the Bad, and the Really Ugly About These Options
- Articulate the Coming Problem Regarding Hospital Glucose Monitoring
- Explain the Latest Thinking for Glucose Targets

Mark J. Rice, MD, *Section Chief, General Surgery Section; Professor, 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) Acknowledge that “conventional wisdom” can be erroneous (“myths”); (2) Learn the limitations and strengths of neuromuscular monitoring; (3) Recognize the shortcomings of guidelines and checklists; and (4) Increase your understanding of the complexities of measuring blood glucose.



Panels – continued



P-05 • 12:00 pm - 1:30 pm

NR

UPDATES IN NEUROANESTHESIOLOGY

Moderator: Deepak Sharma, MBBS, MD, DM, *Professor and Division Chief of Neuroanesthesiology & Perioperative Neurosciences, University of Washington School of Medicine, Seattle, Washington*

Panelists:

• Update in Anesthesia for Spine Surgery

Jeffrey Pasternak, MD, *Associate Professor of Anesthesiology and Chief of Neuroanesthesia, Mayo Clinic College of Medicine, Rochester, Minnesota*

• Update on Perioperative Stroke

George Mashour, MD, PhD, *Bert N. La Du Professor of Anesthesiology Research, Associate Chair for Research & Faculty Affairs, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan*

• Ketamine as an Antidepressant

Ansgar Brambrink, MD, PhD, *Professor of Anesthesiology and Perioperative Medicine, Vice-Chair Faculty Development and Advancement, Department of Anesthesiology, Oregon Health & Science University, Portland, Oregon*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the current consensus on the management of perioperative stroke and use current evidence-based approach to provide anesthetic care to patients with stroke; (2) Describe antidepressant properties of ketamine and its relative effectiveness compared to electroconvulsive therapy; and (3) Describe recent evidence-based strategies for multimodal perioperative management, blood conservation and hemodynamic monitoring for patients undergoing major spinal instrumentation surgery.

Internet Availability

Complimentary wireless internet is available in the conference and exhibit area and all IARS scheduled meeting rooms. Open your internet browser and choose the network labeled "IARS." When prompted for an access code, enter "#paradise2015." Please no streaming or video downloads.



Workshops



W-01 • 9:00 am – 1:00 pm

CC, R

CRITICAL CARE ULTRASOUND WORKSHOP

Workshop Leaders:

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

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

Presenters:

Joseph Meltzer, MD, *Associate Clinical Professor, Critical Care, Director, Critical Care Medicine Fellowship Program, UCLA Department of Anesthesiology, Ronald Reagan UCLA Medical Center, Los Angeles, California*

Breandan Sullivan, MD, *Assistant Professor, Anesthesiology, University of Colorado Hospital, Aurora, Colorado*

Peter von Homeyer, MD, *Assistant Professor of Anesthesiology and Adjunct Assistant Professor of Surgery, University of Washington School of Medicine, Seattle, Washington*

Ricardo Martinez-Ruiz, MD, *Associate Professor of Clinical Anesthesiology, University of Miami Health System, Miami, Florida*

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

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



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5:30 am – 1:30 pm	Registration	7:00 am – 1:30 pm	Concurrent Sessions
6:00 am – 7:00 am	Problem-Based Learning Discussions (PBLDs)		• Review Course Lectures
7:00 am – 9:00 am	Resident Symposium <i>Preparing Yourself for Your Future in Anesthesiology</i>	9:00 am – 10:00 am	• Interactive Panels
7:00 am – 10:00 am	Symposium <i>Rewiring the Brain with General Anesthesia: From Pathology to Therapy</i>	10:30 am – 12:00 pm	• Hands-On Workshops
		10:30 am – 1:30 pm	• Moderated Poster Discussion Sessions
			Resident Abstract Awards Session
			Kosaka Awards Session
			Resident Regional Ultrasound Guided Anesthesia Workshop

6:00 am – 1:30 pm Tabletop Exhibits

* Listed sessions and presenters are as of press time. Please check www.iars.org for updates.

Problem-Based Learning Discussions

PBLD-SUN-01 • 6:00 am – 7:00 am

CARDIOMYOPATHY AND PULMONARY RESECTION

CA, CC, T, PS, PA

Moderator: Randal S. Blank, MD, PhD, Associate Professor of Anesthesiology and Director of Thoracic Anesthesia, University of Virginia School of Medicine, Charlottesville, Virginia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the implications of general anesthesia, mechanical ventilation, and one lung ventilation on cardiovascular function in patients with ventricular dysfunction; (2) Discuss the impact of pulmonary resection surgery via thoracotomy and thoracoscopy on patients with ventricular dysfunction; and (3) Develop anesthetic management strategies to optimize perioperative outcomes in patients with severe ventricular dysfunction undergoing pulmonary resection surgery.

SAGA PBLD-SUN-02 • 6:00 am – 7:00 am

OFF PLAVIX & ASA 3 WEEKS PRIOR TO GI ENDOSCOPY AFTER 2 DES 3 MONTHS PREVIOUSLY

AMB, CA, PS, PA

Moderator: Gwendolyn Boyd, MD, Professor and Medical Director, Department of Anesthesiology, The University of Alabama at Birmingham, Birmingham, Alabama

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the differences between DES and BMS and the recommended duration of treatment with DAPT; (2) Describe in-stent thrombosis and its consequences; and (3) Create an algorithm for risk assessment prior to GI endoscopy procedures and continuing versus discontinuing DAPT and anticoagulants.

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NR = Neuroscience in Anesthesiology and Perioperative Medicine	T = Trauma
OB = Obstetric Anesthesiology	



Problem-Based Learning Discussions – continued



PBLD-SUN-03 • 6:00 am – 7:00 am

NR, R, PA

WHAT TO DO WITH YOUR NEUROLOGIC COMPLICATION

Moderator: Joseph Neal, MD, *Department of Anesthesiology, Virginia Mason Medical Center, Seattle, Washington*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Appreciate the potential causes of neurologic complications after regional anesthetic techniques; (2) Consider possible avoidance strategies; (3) Differentiate the best diagnostic methodologies; and (4) Review management strategies.

PBLD-SUN-04 • 6:00 am – 7:00 am

AM, PS

THE USE OF A BRIDGING DEVICE FOR SAFE EXTUBATION OF THE DIFFICULT AIRWAY

Moderator: Mohammad El-Orbany, MD, *Professor of Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the risk factors that may lead to failed extubation and the predictors of difficult reintubation; (2) Discuss the concept of “reversible extubation” and the different techniques that can be utilized to “stage” the extubation procedure; (3) Become familiar with the airway devices that can be used as bridges to safe extubation, their limitations, and the complications that may result from their use; and (4) Pre-formulate different extubation strategies for safe extubation in high-risk patients.

IARS Member Resource Center

Learn more about the member resources offered by the International Anesthesia Research Society at the IARS Member Resource Center, located in the Coral Ballroom Foyer in the Mid-Pacific Conference Center. The IARS is anesthesiology’s non-political organization focused on providing scientific and evidence-based safe anesthesia care. The IARS

Member Resource Center features information on publications, education, research grant opportunities and other resources available to IARS members.



PBLD-SUN-05 • 6:00 am – 7:00 am

AM, CC, T, NR, PA, PED

CLOTHESLINE INJURY TO NECK WITH TRANSECTED TRACHEA AND BROKEN CERVICAL SPINE

Moderator: Debnath Chatterjee, MD, *Associate Professor, Department of Anesthesiology, Children’s Hospital Colorado, University of Colorado, Aurora, Colorado*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the mechanisms of injury and clinical presentation of blunt neck trauma and laryngotracheal disruption in children; (2) Describe the considerations for airway management in patients with suspected laryngotracheal disruption and cervical spine fracture; (3) Summarize best practice recommendations for the anesthetic management of acute cervical spinal cord injuries in children; and (4) Compare the effects of various anesthetic agents on neurophysiologic monitoring.



Liver Intensive Care Group of Europe

PBLD-SUN-06 • 6:00 am – 7:00 am

L, GA, CA, CC, T

A 60-YEAR-OLD PATIENT WITH LOW EF UNDERGOING HEPATIC RESECTION

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) Appreciate the physiology of hyperdynamic, vasodilatory state in hepatic cirrhosis; (2) Understand the relationship between cardiac disease and liver failure; (3) Recall algorithms and guidelines for preoperative cardiac testing and learn how these pertain to patients with liver disease; (4) Consider different intraoperative monitoring modalities and understand their limitations in patients with hepatic cirrhosis; and (5) Recognize how early graft failure can manifest in the operating room and is affected by decreased cardiac function.



Sunday, March 22 • 7:00 am – 10:00 am

NR

SYMPOSIUM

Rewiring the Brain with General Anesthesia: From Pathology to Therapy

Moderator

Gregory Crosby, MD

Presenters

- **General Anesthesia to Cure Depression**

Laszlo Vutskits, MD, PhD, *Senior Lecturer and Staff Anesthesiologist, Department of Anesthesiology, Pharmacology and Intensive Care, University Hospital of Geneva; Department of Fundamental Neuroscience, University of Geneva Medical School, Geneva, Switzerland*

- **Caveolins: Targets for Plasticity**

Piyush M. Patel, MD, FRCPC, *Professor of Anesthesiology, University of California at San Diego, San Diego, California*

- **Misfire: Anesthesia in Senescent Brain**

Gregory Crosby, MD, *Vice Chairman for Finance and Administration, Department of Anesthesiology, Brigham & Women's Hospital, Associate Professor, Harvard Medical School, Boston, Massachusetts*

- **Anesthesia Alters Neuronal Development**

Sulpicio Soriano, MD, *BCH Endowed Chair in Pediatric Neuroanesthesia, Senior Associate in Perioperative Anesthesia, Boston Children's Hospital; Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Understand synaptic plasticity, its relevance to brain function and the molecular basis of plasticity; (2) Recognize the impact of age, both young and old, on plasticity; (3) Comprehend means by which plasticity can be enhanced in the aged and injured brain; and (4) Recognize the therapeutic value of general anesthetics in psychiatric disorders.





Resident Symposium

Sunday, March 22 • 7:00 am – 9:00 am

EEP

RESIDENT SYMPOSIUM

Preparing Yourself for Your Future in Anesthesiology

The healthcare needs of society and the demands placed on medicine are changing rapidly. Seismic shifts bring both uncertainty and opportunity. This session highlights both challenges and prospects confronting tomorrow's anesthesiologists. The speakers have all charted exciting paths in their own careers, and will inspire you with the possibilities open to innovative, creative and ambitious anesthesiologists embarking on their careers.

Moderator

Michael Avidan, MBBCh

Professor, Anesthesiology and Cardiothoracic Surgery; Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care; Director, Institute of Quality Improvement, Research and Informatics, Washington University School of Medicine at St. Louis, St. Louis, Missouri; Secretary, Association of University Anesthesiologists (AUA)

Presenters

Career Paths for an Aspirant Educator in Anesthesiology

Thomas E. Cox, MD, Professor of Anesthesiology and Vice Chair for Education, Washington University School of Medicine at St. Louis, St. Louis, Missouri

An Academic Career in Anesthesiology: The Resident's Perspective

Elizabeth Whitlock, MD, MS, Resident Physician, Anesthesia, University of California, San Francisco, San Francisco, California

Academic and Leadership Opportunities in Private Practice

Aubrey Maze, MD, Chief Executive Officer, Valley Anesthesiology & Pain Consultants, Phoenix, Arizona

Key Attributes of the Future Anesthesiologist: The ASA's Perspective

Daniel Cole, MD, President Elect, American Society of Anesthesiologists; Professor of Clinical Anesthesiology, Vice Chair for Professional and Business Development, University of California, Los Angeles, Los Angeles, California

Career Paths to Leadership Roles in Anesthesiology and Beyond

Colleen Koch, MD, MS, MBA, FACC, Mark C. Rogers Professor, Chair, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland





Review Course Lectures

RCL-06 • 7:00 am - 7:45 am

PS

GETTING YOUR PATIENT THROUGH SAFELY: THINGS TO AVOID

Presenter: Richard C. Prielipp, MD, MBA, FCCM, Professor, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota

Learner Objectives: After participating in this activity, the learner will be able to: (1) Address concerns including the Key Human factor relevant to Medical Error; the Normalization of Deviance; and how culture can imprint doing the “wrong thing”; and (2) Key Errors associated with communication including production pressure, hand-offs and challenges to changing behavior.

RCL-07 • 7:45 am - 8:30 am

PS

ENHANCED RECOVERY AFTER SURGERY (ERAS)

Presenter: Tong Joo (TJ) Gan, MD, MHS, FRCA, Professor and Chairman of the Department of Anesthesiology, Stony Brook Medicine, Stony Brook, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the various elements of Enhanced Recovery After Surgery (ERAS); (2) Discuss the physiologic rationalization of the ERAS strategy; (3) Ascertain the impact of the ERAS protocol on improving patient outcomes; and (4) Implementation of the ERAS program in hospitals.

RCL-08 • 8:30 am - 9:15 am

SM

OBESITY AND OBSTRUCTIVE SLEEP APNEA: A COMBINED NIGHTMARE

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

Obesity is a major global problem and is increasing in magnitude with time. As anesthesiologists, we are confronted with morbidly obese patients coming for major or minor surgery.

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize the preoperative evaluation of morbidly obese patients scheduled for major or minor surgery; (2) Appraise the importance of proper identification of undiagnosed OSA in the morbidly obese patients; and (3) Discuss optimal care that minimizes perioperative risks in morbidly obese patients.

RCL-09 • 9:15 am - 10:00 am

PED

10 THINGS YOU ALWAYS WANTED TO KNOW ABOUT PEDIATRIC ANESTHESIA... AND THE 5 THINGS THAT DRIVE ME NUTS

Presenter: James DiNardo, MD, Senior Associate in Cardiac Anesthesia; Chief, Division of Cardiac Anesthesia, Boston's Children's Hospital; Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts; Section Editor, Pediatric Anesthesiology and Pediatric Neuroscience, Anesthesia & Analgesia

Jayant K. Deshpande, MD, MPH, Anesthesiologist, Arkansas Children's Hospital, Little Rock, Arkansas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the 10 under-appreciated, clinically relevant facts about pediatric anesthesia; and (2) Describe the 5 under-appreciated, clinically relevant misconceptions about pediatric anesthesia.

RCL-10 • 10:30 am - 11:15 am

PS

POST-OPERATIVE COGNITIVE DYSFUNCTION (POCD): WHAT AND SO WHAT?

Presenter: Roderic Eckenhoff, MD, Austin Lamont Professor and Vice Chair for Research, Department of Anesthesiology and Critical Care, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania

Learner Objectives: After participating in this activity, the learner will be able to: (1) Present and discuss the symptoms and risk factors of POCD with their patients; (2) Divide POCD into different categories and to predict trajectory; and (3) List several potential mechanisms and potential mitigation strategies for POCD.

RCL-11 • 11:15 am - 12:00 pm

AMB

SICK ADULT PATIENTS AND DAY SURGERY: THE NEW PARADIGM IN AMBULATORY SURGERY

Presenter: Girish P. Joshi, MB, BS, MD, FFARCSI, Professor of Anesthesiology and Pain Management, University of Texas, Southwestern Medical School, Dallas, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the concerns of day surgery in challenging (sick) patients; (2) Review the current science regarding patient selection for day surgery; (3) Discuss the approach to determining patient selection for day surgery; and (4) Justify appropriate selection of adult patients with obesity, sleep apnea, cardiac implantable electronic devices, coronary stents scheduled for day surgery.



Resident Abstract Awards Session

Sunday, March 22 • 9:00 am – 10:00 am

EEP

RESIDENT ABSTRACT AWARDS SESSION

The top resident abstract authors, selected from over 160 abstract submissions to the IARS 2015 Annual Meeting and International Science Symposium, will be selected to present their original research in front of an expert panel of judges at the Resident Abstract Awards Session. These Resident Abstract Awards Finalists will be joined by the abstract winners from the National Resident Regional Meetings to compete for a \$1,000 prize and the honor of Best Resident Abstract Award Winner.

Resident Abstract Awards Judges

Moderator: Michael Avidan, MBBCh

Washington University School of Medicine at St. Louis, St. Louis, Missouri

Thomas E. Cox, MD, *Washington University School of Medicine at St. Louis, St. Louis, Missouri*

Daniel Cole, MD, *University of California, Los Angeles, Los Angeles, California*

Colleen Koch, MD, MS, MBA, FACC, *John Hopkins Medicine, Baltimore, Maryland*

Aubrey Maze, MD, *Valley Anesthesiology & Pain Consultants, Phoenix, Arizona*

Elizabeth Whitlock, MD, MS, *University of California, San Francisco, San Francisco, California*



Resident Workshops



Sunday, March 22 • 10:30 am – 1:30 pm



REGIONAL ULTRASOUND GUIDED ANESTHESIA WORKSHOP

Gain hands-on experience from the experts in a regional ultrasound guided anesthesia workshop with live models and equipment available for demonstration.

Workshop Leader

Santhanam Suresh, MD, FAAP

*Professor and Chair, Department of Pediatric Anesthesiology, Ann & Robert H. Lurie Children's Hospital of Chicago;
Professor of Anesthesiology & Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, Illinois*

Presenters

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

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

Monday, March 23 • 7:00 am – 9:00 am



RESIDENT WORKSHOP

Innovative Fellowship Opportunities Workshop

The calculus for anesthesiology trainees has shifted from whether to pursue fellowship training to which fellowship to choose: a focus on innovative fellowship opportunities.

Moderator

James P. Rathmell, MD

*Executive Vice Chair, Department of Anesthesia, Critical Care and Pain Medicine;
Chief, Division of Pain Medicine, Massachusetts General Hospital;
Henry Knowles Beecher Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts*

Presenters

Fellowship in Perioperative Quality & Patient Safety

Karen J. Souter, MB BS, MSc, FRCA, Professor, Vice Chair for Education & Residency Program Director, Department of Anesthesiology & Pain Medicine, University of Washington School of Medicine, Seattle, Washington

Anesthesia Informatics Fellowship

Lawrence S. Chu, MD, MS, Associate Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Executive Director, Stanford Medicine X, Stanford, California

Fellowship in Research Training

George A. Mashour, MD, PhD, Bert N. La Du Professor of Anesthesiology Research, Associate Chair for Research and Faculty Affairs, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

Anesthesia Fellowship in Global Health

Ana M. Crawford, MD, Division Director and Fellowship Director, Global Health in Anesthesia, Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Stanford, California





Review Course Lectures – continued

RCL-12 • 12:00 pm - 12:45 pm

EEP

LIES, DAMN LIES AND ANESTHETIC MYTHS

Presenter: John Butterworth, IV, MD, Professor and Chair, Department of Anesthesiology, Virginia Commonwealth University Medical Center, Richmond, Virginia

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

RCL-13 • 12:45 - 1:30 pm

CA, EEP

ANTICOAGULANTS AND PROCEDURAL ANESTHESIA

Terese T. Horlocker, MD, Professor, Anesthesiology and Orthopedics, Mayo Clinic College of Medicine, Rochester, Minnesota; Section Editor, Regional Anesthesia, Anesthesia & Analgesia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the pharmacology of antithrombotic and antiplatelet medications; (2) Identify risk factors for regional anesthesia related bleeding; and (3) Develop management strategies to improve neurologic outcome in patients undergoing regional anesthesia while receiving antithrombotic or antiplatelet therapy.

Panels



P-06 • 7:00 am - 8:30 am

PM, PME, AP

FROM DEVIL MARIJUANA TO TREATING PAIN: WHAT'S NEXT IN CANNABOIDS

Moderator: Mohamed Naguib, MD

- **Cannabis: How Did the Healing Herb Become the Devil Weed?**

Pamela G. Lichty, MPH, President, Drug Policy Forum of Hawaii, Honolulu, Hawaii

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the history of marijuana; (2) Describe the basis of the current regulatory environment; and (3) Review the current changes in state laws.

- **Endogenous Cannabinoids, CB1, and Cannabis**

Joseph Foss, MD, Staff Physician and Director of Research, Anesthesiology Institute, Cleveland Clinic, Cleveland, Ohio

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the components of the endogenous cannabinoid system; (2) Discuss the differences between cannabinoids 1 and 2 systems; (3) Discuss the physiological role of cannabinoids; and (4) Describe the role of cannabinoid in health and disease.

- **New Directions and Therapy: Where Will CB2 Take Us?**

Mohamed Naguib, MD, Professor of Anesthesiology and Staff Physician, Anesthesiology Institute, Cleveland Clinic, Cleveland, Ohio

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the role of CB2 in neuro-inflammatory states; (2) Review the role of CB2 in immune system function; and (3) Describe the potential therapeutic role CB2.

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Your username for the mobile app is the email with which you registered for the Annual Meeting, and the password for all users is **iars2015**.



Panels – continued



P-07 • 8:30 am - 10:00 am

**RECENT PRACTICE
ADVISORY UPDATE**

**AMB, NR, PA,
PM, PS, RA**

Moderator: Joseph Neal, MD

Panelists:

• **Best of the Rest**

Joseph Neal, MD, *Department of Anesthesiology, Virginia Mason Medical Center, Seattle, Washington*

• **Anticoagulants in Chronic Pain Medicine**

Asokumar Buvanendran, MD, *Professor, Department of Anesthesiology, Rush Medical College, Chicago, Illinois*

• **Regional Anesthesia in Pediatrics**

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

• **Regional Anesthesia and New Anticoagulants**

Terese T. Horlocker, MD, *Professor, Anesthesiology and Orthopedics, Mayo Clinic College of Medicine, Rochester, Minnesota; Section Editor, Regional Anesthesia, Anesthesia & Analgesia*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Appreciate the melding of ASRA-ESRA guidelines for new anticoagulant drugs used in the setting of regional anesthesia; (2) Recognize where guidelines differ for certain anticoagulants used in the setting of interventional pain medicine; (3) Consider new recommendations for pediatric regional anesthesia from the ESRA-ASRA practice advisory; and (4) Appraise recommendations that pertain to emerging neurologic complications, infectious complications, and local anesthetic systemic toxicity associated with neuraxial anesthesia.

P-08 • 8:30 am - 10:00 am

PA

**STATE OF THE EVIDENCE IN ANESTHESIA
AND PERIOPERATIVE MEDICINE**

Moderator: Janet Martin, PharmD, PhD

Panelists:

• **Monster Studies and Other Thoughts**

Steven L. Shafer, MD, *Professor of Anesthesia, Stanford University School of Medicine, Stanford, California; Editor-in-Chief, Anesthesia & Analgesia*

• **Anesthesia Research: Valid and Relevant?**

Janet Martin, PharmD, PhD, *Assistant Professor at the Departments of Anesthesia & Perioperative Medicine and Epidemiology and Biostatistics, Western University; Director of the Centre for Medical Evidence, Decision Integrity and Clinical Impact, MEDICI Centre, London, Ontario, Canada*

• **Evidence: Past, Present, Future**

Davy Cheng, MD, MSc, FRCPC, FCAHS, CCPE, *Distinguished University Professor & Chair, Department of Anesthesia and Perioperative Medicine, Professor, Critical Care Medicine, Western University, London, Ontario, Canada*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Understand the quantity and quality of research that has been conducted in the field of anesthesia and perioperative medicine in recent years; (2) Define what proportion of existing evidence in anesthesia & perioperative medicine is valid, relevant, and ready for translation to clinical practice; (3) Discuss current and future innovations in research to ensure anesthesiologists can establish global leadership and maximally sustain future progress in the field; and (4) Contribute to a research priority-setting exercise to determine the next best returns on investment in research for anesthesia & perioperative medicine.

White Paper Submission Site Opens March 24 for the IARS 2016 Annual Meeting!

Contribute to the IARS mission to encourage and stimulate innovative and forward-thinking anesthesia research and education! Submit your white paper proposal today and be a part of the IARS 2016 Annual Meeting and International Science Symposium education program!

IARS will be accepting proposals for Panels, Problem-Based Learning Discussion (PBLD's) sessions, and Workshops for possible inclusion in the IARS 2016 Annual Meeting and International Science Symposium, May 21-24, in San Francisco, California.

**Deadline to Submit White Papers:
Friday, June 12, 2015**

Make sure you don't miss this great opportunity!
For more information, visit www.iars.org.



Kosaka Awards Session

Sunday, March 22 • 10:30 am – 12:00 pm

EEP

KOSAKA AWARDS SESSION

*Celebrating the 20th Anniversary of the Kosaka Awards
and 25 years of collaboration between
Japan Society for Clinical Anesthesia (JSCA) and
the International Anesthesia Research Society (IARS)*

Join us as we celebrate the 20th Anniversary of the Kosaka Awards and 25 years of collaboration between the JSCA and the IARS at the Kosaka Awards Session. The top scoring abstracts submitted by Japanese researchers will compete against the top scoring abstracts, with matching topics, submitted by their international colleagues.

To honor the anniversary of 25 years of collaboration between the JSCA and IARS, the JSCA is donating and awarding \$3,000 in prizes to the top three abstracts in either Patient-Oriented Research or Basic Science Research. The top scoring abstract will be awarded \$1,500 and the honor of the Kosaka Winning Abstract. Awards in the amount of \$1,000 and \$500 will be given to the second and third place winners.

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

Kosaka Award Judges

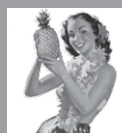
Co-Moderator: Keith A. (Tony) Jones, MD, *The University of Alabama at Birmingham, Birmingham, Alabama*

Co-Moderator: Makoto Ozaki, MD, PhD, *Tokyo Women's Medical University, Shinjuku, Tokyo, Japan*

Tatsuru Arai, MD, *Kurashiki Medical Center, Kurashiki, Japan*

Beverly A. Orser, MD, PhD, FRCPC, *University of Toronto, Toronto, Ontario, Canada*

Christian Werner, MD, *University Medical Center, Johannes Gutenberg-Universität, Mainz, Germany*





Panels – continued



P-09 • 10:30 am - 12:00 pm

QUALITY AND PATIENT SAFETY

CA, PS

Moderator: Colleen Koch, MD, MS, MBA, FACC, Mark C. Rogers
Professor, Chair, Department of Anesthesiology and Critical Care Medicine, Johns Hopkins Medicine, Baltimore, Maryland

Panelists:

- **FOCUS – The Story of a Successful Collaborative**
Atilio Barbeito, MD, MPH, Assistant Professor of Anesthesiology, Duke University School of Medicine, Durham, North Carolina
- **TeamSTEPPs: What Is It and How Can I Use It to Improve My Work Environment?**
Amanda Rhee, MD, Assistant Professor of Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York
- **Quality, Are We Measuring What We Think We Are?**
Avery Tung, MD, Professor and 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) Discuss the steps and lessons of a successful collaborative; (2) Learn about TeamSTEPPs and how to implement it in their work environment; and (3) Discuss quality and measuring and results.



P-10 • 10:30 am - 12:00 pm

AIRWAY MANAGEMENT – ARE WE ADVANCING THE ART?

AM

Moderator: Richard Cooper, BSc, MSc, MD, FRCPC

Panelists:

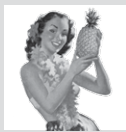
- **Extubation of the Difficult Airway**
Richard Cooper, BSc, MSc, MD, FRCPC, Director of Anesthesia, Airway Fellowship Program, Toronto General Hospital, Professor, University of Toronto, Toronto, Ontario, Canada; Immediate Past President, Society for Airway Management (SAM)
- **The Supraglottic Airway – Progress**
Carin Hagberg, MD, Joseph C. Gabel Professor and Chair, Department of Anesthesiology, The University of Texas Medical School at Houston, Houston, Texas
- **Awake Airway Management**
Elizabeth Cordes Behringer, MD, Professor of Anesthesiology and Critical Care, Cedars Sinai Medical Center, Los Angeles, California
- **Videolaryngoscopy - Benefits & Challenges**
Michael Aziz, MD, Department of Anesthesiology and Perioperative Medicine, Oregon Health & Science University, Portland, Oregon

Learner Objectives: After participating in this activity, the learner will be able to: (1) Identify the advances (and challenges) brought about by various supraglottic devices; (2) Appreciate the advances (and challenges) resulting from the adoption of video laryngoscopy; (3) Recognize the benefits and risks of awake intubation; and (4) Recognize which patients may benefit from a special extubation strategy.



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Panels – continued



P-11 • 10:30 am – 11:30 am

EEP

American Board of Anesthesiology Information Session

10:30 am – 11:00 am

Description of the Traditional Part 1 and Part 2 Examinations

- Part 2 Examination: Common Candidate Challenges
- Transition to the new staged examinations; Overview of the BASIC, ADVANCED and APPLIED examinations and timeline for residents
- Preview of the new ABA Assessment Center in Raleigh, North Carolina
- CA-1 and CA-2 Survey results
- Program Director meetings

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

11:00 am – 11:30 am

Maintenance of Certification in Anesthesiology Program (MOCA)

- Review of MOCA requirements/portal account access
- Overview of MOCA Part 4: Improvement of Medical Practice (formerly Practice Performance Assessment and Improvement)
- Transition from subspecialty recertification to maintenance of certification for subspecialties
- Simulation for MOCA video
- Future of MOCA; MOCA Survey results and MOCA Minute Pilot

Brenda G. Fahy, MD, MCCM, *Professor of Anesthesiology, Department of Anesthesiology in the College of Medicine, Division Chief, Critical Care Medicine, University of Florida, Gainesville, Florida; Past President, Society of Critical Care Anesthesiologists (SOCCA)*



P-12 • 12:00 pm - 1:30 pm

OB

ANESTHESIA FOR CESAREAN DELIVERY: TRICKS OF THE TRADE

Moderator: Cynthia A. Wong, MD

Panelists:

• Airway Tricks

Maya Suresh, MD, *Chair and Professor, Baylor College of Medicine; Chief of Anesthesiology, Ben Taub General Hospital, Houston, Texas; Past President, Society for Obstetrics Anesthesia and Perinatology (SOAP); Past President, Society for Airway Management (SAM)*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Examine the relationship between general anesthesia, maternal mortality, and airway catastrophes in the obstetric population; (2) Describe changes to the 2013 ASA Difficult Airway algorithm and how to incorporate these changes into the management of the obstetric patient; and (3) Describe strategies and tricks to avoid and rescue airway catastrophes in obstetric patients, including establishment of oxygenation and ventilation, and use of noninvasive rescue devices and invasive rescue techniques.

• Neuraxial Anesthesia Tricks

Cynthia A. Wong, MD, *Professor and Vice Chair, Department of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois; Section Editor, Obstetric Anesthesiology, Anesthesia & Analgesia*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Articulate the incidence and risk factors for failed neuraxial surgical anesthesia for cesarean delivery; (2) Employ evidence-based strategies and tricks to prevent failed surgical anesthesia for cesarean delivery; and (3) Employ evidence-based strategies and tricks to rescue from failed surgical anesthesia for cesarean delivery.

• Postoperative Analgesia Tricks

Pamela Flood, MD, *Professor of Anesthesiology, Perioperative and Pain Medicine, Stanford University Medical Center, Stanford, California*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the extent of variability in pain intensity and the time course of pain after cesarean delivery; (2) Discuss risk factors for severe pain following cesarean delivery; and (3) Describe strategies and tricks for preventing pain in patients at increased risk for severe postcesarean delivery pain.



Twitter

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Panels – continued

P-13 • 12:00 pm - 1:30 pm

EEP

SUBSTANCE USE DISORDER IN ANESTHESIOLOGISTS: PROTECTING YOUR PATIENTS, YOUR COLLEAGUES, AND YOURSELF

Moderator: David O. Warner, MD

Panelists:

- **Substance Abuse: Still a Serious Problem**
David O. Warner, MD, Director, Research Management Programs, Mayo Clinic Center for Clinical and Translational Science (CCaTS); Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota
- **Preventing and Detecting Drug Diversion**
Keith Berge, MD, Assistant Professor of Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota
- **Substance Abuse: Treatment and Monitoring**
Marvin Seppala, MD, Chief Medical Officer, Assistant Professor, Halzelden Betty Ford Foundation; Hazelden Graduate School of Addiction Studies, Center City, Minnesota

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the incidence and consequences of substance use disorder among anesthesiologists; (2) Participate in creating an effective method to prevent and monitor for drug diversion in their practices; and (3) Articulate the principles and limitations of the treatment of substance use disorder in anesthesiologists, including how to deal with suspected cases of drug abuse and suggestions for re-entry into practice.

White Paper Submission Site Opens March 24 for the IARS 2016 Annual Meeting!

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P-14 • 12:00 – 1:30 pm

L, EEP

OPTIMIZATION AND PRESERVATION OF ORGAN FUNCTION IN THE PERIOPERATIVE SURGICAL HOME MODEL

Moderator: Ronald Pearl, MD, PhD

Panelists:

- **Optimization of Lung Function**
Ronald Pearl, MD, PhD, Dr. Richard K. and Erika N. Richards Professor and Chair, Department of Anesthesiology, Pain and Perioperative Medicine, Stanford University School of Medicine, Stanford, California
- **Optimization of Cardiac Function**
Michael Wall, MD, FCCM, J.J. Buckley Professor and Chairman, Department of Anesthesiology, University of Minnesota, Minneapolis, Minnesota
- **Optimization of Brain Function**
Deborah Culley, MD, Associate Professor, Department of Anesthesiology, Harvard Medical School; Perioperative and Pain Medicine, Brigham & Women's Hospital, Boston, Massachusetts
- **Optimization of Kidney Function**
Vivek K. Moitra, MD, Associate Clinical Professor of Anesthesiology, Associate Medical Director, Surgical Intensive Care Unit; Associate Program Director, Critical Care Medicine Fellowship, Division of Critical Care, Columbia University College of Physicians and Surgeons, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the importance of perioperative optimization and preservation of organ function in a successful perioperative surgical home model; (2) Integrate strategies for perioperative optimization of lung function into the perioperative surgical home model; (3) Integrate strategies for perioperative optimization of cardiac function into the perioperative surgical home model; (4) Integrate strategies for perioperative optimization of kidney function and of brain function into the perioperative surgical home model.



Workshops

W-02 • 7:00 am – 10:00 am

R, NR

ULTRASOUND, SIMULATION AND STIMULATION FOR PERIPHERAL NERVE BLOCKS

Workshop Leader:

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

Panelists:

Robert A. Altman, MD, BS, 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

Jason Brown, MD, Pacific Anesthesia, Inc., Honolulu, Hawaii

Levon 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, FRCA, Professor, Department of Anesthesiology, University of Toronto, Toronto Western Hospital, Toronto, Ontario, Canada

Sudheer K. Jain, MD, BA, Assistant Professor, Assistant Clinical Director, Department of Anesthesiology, New York University Langone Medical Center, New York, New York

Christina Jeng, MD, Assistant Professor in Anesthesiology and Orthopaedics, Mount Sinai School of Medicine, New York, New York

Jung T. Kim, MD, Associate Professor, Executive Vice Chair and Chief of Clinical Services, Department of Anesthesiology, New York University Langone Medical Center, New York, New York

Sunmi Kim, MD, BS, Assistant Professor, Department of Anesthesiology, New York University Langone Medical Center, New York, New York

Stephen D. Lucas, MD, Associate Professor of Anesthesiology, Chief, Division of Regional Anesthesiology and Perioperative Pain Medicine, Department of Anesthesiology; Medical Director, Pain Clinic, UF Health, University of Florida College of Medicine, Gainesville, Florida

Maki Morimoto, MD, Pacific Anesthesia, Inc., Honolulu, Hawaii

Peter Neuberger, MD, Assistant Professor, Department of Anesthesiology, New York University Langone Medical Center, New York, New York

Samuel Perov, MD, Clinical Professor, Department of Anesthesiology, Wayne State University School of Medicine, Pontiac, Michigan

Workshop W-02 – continued

Meg Rosenblatt, MD, Professor of Anesthesiology and Professor of Orthopaedics, Department of Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

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

Sylvia Wilson, MD, Division Chief of Regional and Orthopedic Anesthesia, Medical University of South Carolina, Charleston, South Carolina

During the Ultrasound Simulation and Stimulation for Peripheral Nerve Blocks 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 be able to: (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.

W-RES • 10:30 am – 1:30 pm

R

RESIDENT REGIONAL ULTRASOUND GUIDED ANESTHESIA WORKSHOP

For Residents / In-Training Attendees Only!

Workshop Leader: Santhanam Suresh, MD, FAAP, Professor and Chair, Department of Pediatric Anesthesiology, Ann & Robert H. Lurie Children's Hospital of Chicago; Professor of Anesthesiology & Pediatrics, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Presenters:

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

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

Learner Objectives: After participating in this activity, the learner will: (1) Learn basic ultrasound terminology; and (2) Become familiar with ultrasounds and commonly performed regional anesthesia techniques.



IARS

International Anesthesia Research Society



Celebrating 25 YEARS

*of collaboration between the Japan Society of Clinical Anesthesia
and the International Anesthesia Research Society*

In honor of this special anniversary celebration, the JSCA is donating the following special prize to one IARS Annual Meeting attendee!

COMPLIMENTARY REGISTRATION to the IARS 2016 Annual Meeting and International Science Symposium, aligned with the Association of University Anesthesiologists and Society of Critical Care Anesthesiologists Annual Meetings, May 20-24, 2016, in San Francisco, California.

PLUS, 3 COMPLIMENTARY HOTEL NIGHTS at the Headquarters Hotel, San Francisco Hilton, for the IARS 2016 Annual Meeting and International Science Symposium.

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PROGRAM SCHEDULE • IARS 2015 ANNUAL MEETING AND INTERNATIONAL SCIENCE SYMPOSIUM

	TIMES	REVIEW COURSE LECTURES	PANELS	PBLDS
SATURDAY, MARCH 21	5:30 am - 1:30 pm	5:30 am - 1:30 pm: Registration		
	6:00 am - 7:00 am	6:00 am - 7:00 am: Continental Breakfast & Exhibits		
	6:00 am - 7:00 am	PBLD-SAT-01: 6:00 am - 7:00 am Congenital Heart Disease for Noncardiac Surgery	PBLD-SAT-02: 6:00 am - 7:00 am Separation from CPB after AVR in Patient with HOCM Physiology. By The Way, The Patient Also Has Post-Pump RV Dysfunction	PBLD-SAT-03: 6:00 am - 7:00 am Mediastinal Mass and Severe Tracheal Compression
	7:00 am - 8:30 am	7:00 am - 8:30 am: Welcome and Opening Remarks 7:30 am - 8:30 am: T.H. Seldon Memorial Lecture: Causation and Collaboration for Translating Neuroprotection – Eng H. Lo, PhD		
	8:30 am - 9:00 am	8:30 am - 9:00 am: Break & Exhibits		
	9:00 am - 1:30 pm	RCL-01: 9:45 am - 10:30 am Ebola: Care of the Patient and the Anesthesiologist RCL-02: 10:30 am - 11:15 am Current Approaches to Treat Post-Traumatic Coagulopathy RCL-03: 11:15 am - 12:00 pm Ultrasound for Regional Anesthesia: Across the Age Spectrum RCL-04: 12:00 pm - 12:45 pm Hospital-Acquired Anemia: A Hazard of Hospitalization RCL-05: 12:45 pm - 1:30 pm Anesthesia Advanced Circulatory Life Support	P-01: 9:00 am - 10:30 am SOCCA: Critical Care for the Non-Intensivist – What You Need to Know P-02: 10:30 am - 12:00 pm SOCCA: Coordinating Perioperative Care Across the Continuum: Defining Roles and Responsibilities for Managing the Critically Ill Patient P-04: 12:00 pm - 1:30 pm APSF: Three Myths of Anesthesia Patient Safety	P-03: 10:30 am - 12:00 pm ESA: Anesthesia for the Cardiac Risk Patient P-05: 12:00 pm - 1:30 pm SNACC: Updates in Neuroanesthesiology
SUNDAY, MARCH 22	5:30 am - 1:30 pm	5:30 am - 1:30 pm: Registration		
	6:00 am - 7:00 am	6:00 am - 7:00 am: Continental Breakfast & Exhibits		
	6:00 am - 7:00 am	PBLD SUN-01: 6:00 am - 7:00 am Cardiomyopathy and Pulmonary Resection	PBLD SUN-02: 6:00 am - 7:00 am – SAGA: Off Plavix & ASA 3 Weeks Prior to GI Endoscopy after 2 DES 3 Months Previously	PBLD SUN-03: 6:00 am - 7:00 am ASRA: What To Do with Your Neurologic Complication
	7:00 am - 10:00 am	RCL-06: 7:00 am - 7:45 am Getting Your Patient Through Safely: Things to Avoid RCL-07: 7:45 am - 8:30 am Enhanced Recovery After Surgery (ERAS) RCL-08: 8:30 am - 9:15 am Obesity and Obstructive Sleep Apnea: A Combined Nightmare RCL-09: 9:15 am - 10:00 am 10 Things You Always Wanted to Know About Pediatric Anesthesia ... and the 5 Things that Drive Me Nuts!	P-06: 7:00 am - 8:30 am ISAP: From Devil Marijuana to Treating Pain: What's Next in Cannabinoids? P-07: 8:30 am - 10:00 am ASRA: Recent Practice Advisory Updates	P-08: 8:30 am - 10:00 am State of the Evidence in Anesthesia and Perioperative Medicine
	10:00 am - 10:30 am	10:00 am - 10:30 am: Break & Exhibits		
	10:30 am - 1:30 pm	RCL-10: 10:30 am - 11:15 am Post-Operative Cognitive Dysfunction (POCD): What and So What? RCL-11: 11:15 am - 12:00 pm Sick Adult Patients and Day Surgery: The New Paradigm in Ambulatory Surgery RCL-12: 12:00 pm - 12:45 pm Lies, Damn Lies and Anesthetic Myths RCL-13: 12:45 pm - 1:30 pm Anticoagulants and Procedural Anesthesia	P-09: 10:30 am - 12:00 pm SCA: Quality and Patient Safety P-12: 12:00 pm - 1:30 pm SOAP: Anesthesia for Cesarean Delivery: Tricks of the Trade	P-10: 10:30 am - 12:00 pm SAM: Airway Management – Are We Advancing the Art? P-13: 12:00 pm - 1:30 pm Substance Use Disorder in Anesthesiologists: Protecting Your Patients, Your Colleagues, and Yourself
MONDAY, MARCH 23	5:30 am - 1:30 pm	5:30 am - 1:30 pm: Registration		
	6:00 am - 7:00 am	6:00 am - 7:00 am: Continental Breakfast & Exhibits		
	6:00 am - 7:00 am		PBLD MON-02: 6:00 am - 7:00 am My Patient Complains of Paraplegia after Laparoscopic Cholecystectomy, What Should I Do?	PBLD MON-03: 6:00 am - 7:00 am Pediatric Airway Difficulties: Effective Management Options
	7:00 am - 10:30 am	RCL-14: 7:00 am - 7:45 am Critical Care Update 2015 RCL-15: 7:45 am - 8:30 am Airway Dilemmas: Are You Well Equipped? RCL-16: 8:30 am - 9:15 am Quality and Economics in Anesthesia – Let's Step Up to the Plate! RCL-17: 9:15 am - 10:00 am Current Advances in Cardiac Anesthesia	P-15: 7:00 am - 8:30 am The Aging Anesthesiologist: Knowing When to Say When P-18: 8:30 am - 10:00 am Perioperative Medicine as the Future of Anesthesiology: Why, Where, Who and How	P-16: 7:00 am - 8:30 am STA: How Can Technologies Help Facilitate the Perioperative Surgical Home P-19: 8:30 am - 10:00 am ISPCOP: Pharmacology of Phat – Drugs and Dosing in the Severely Obese P-20: 8:30 am - 10:00 am SmartTots: Neurotoxicity of Anesthetics in the Developing Brain – A Translational Update
	10:00 am - 10:30 am	10:00 am - 10:30 am: Break & Exhibits		
	10:30 am - 1:30 pm	RCL-18: 10:30 am - 11:15 am Understanding the Pharmacokinetics of Drugs RCL-19: 11:15 am - 12:00 pm Regional Anesthesia for Orthopedic Surgery: Blocks that Everyone Should Know RCL-20: 12:00 pm - 12:45 pm Conflict Resolution: How to Manage a Disruptive Colleague RCL-21: 12:45 pm - 1:30 pm 10 Things You Always Wanted to Know about OB Anesthesia	P-21: 10:30 am - 12:00 pm Neurophysiology Over Numerology: New Approaches to EEG Monitoring During Anesthesia P-23: 12:00 pm - 1:30 pm TAS: Combined Trauma and CBRN Exposure	P-22: 10:30 am - 12:00 pm SAMBA: 3 Must Read Guidelines for Ambulatory Anesthesia P-24: 12:00 pm - 1:30 pm SPAQI: Clinical Challenges in a Preoperative Clinic
TUESDAY, MARCH 24	6:00 am - 10:00 am	6:00 am - 10:00 am: Registration		
	6:00 am - 7:00 am	6:00 am - 7:00 am: Continental Breakfast		
	6:00 am - 7:00 am	PBLD TUES-01: 6:00 am - 7:00 am Up With The Legs, Down With The Pulses: Sinus Bradycardia and Asystole During Anesthesia	PBLD TUES-02: 6:00 am - 7:00 am The Anesthetic Challenges in a Patient with Mitochondrial Metabolic Disorder	PBLD TUES-03: 6:00 am - 7:00 am Postoperative Analgesia for Total Knee Arthroplasty: What Is The Best Practice?
	7:00 am - 10:00 am	RCL-22: 7:00 am - 7:45 am Pain and Prescription Opioids: From Panacea to Epidemic RCL-23: 7:45 am - 8:30 am Update on the Treatment of Traumatic Brain Injury RCL-24: 8:30 am - 9:15 am Special Considerations for Geriatric Patients Having Ambulatory Surgery RCL-25: 9:15 am - 10:00 am BIS Monitoring and Perioperative Outcomes: Does It Make a Difference?	P-25: 7:00 am - 8:30 am The Evolution of Multimodal Analgesia and Enhanced Recovery after Surgery (ERAS) P-27: 8:30 am - 10:00 am Perioperative Cardiovascular Events - What Is New in 2015?	P-26: 7:00 am - 8:30 am SAGA: Caring for Our Silver Tsunami Patients P-28: 8:30 am - 10:00 am SASM: Obstructive Sleep Apnea in Children and its Perioperative Management

PROGRAM SCHEDULE • IARS 2015 ANNUAL MEETING AND INTERNATIONAL SCIENCE SYMPOSIUM

WORKSHOPS	SYMPOSIA	RESIDENT PROGRAM	MODERATED POSTER DISCUSSION SESSIONS	TIMES	
5:30 am - 1:30 pm: Registration				5:30 am - 1:30 pm	SATURDAY, MARCH 21 FOCUS ON CRITICAL CARE DAY
6:00 am - 7:00 am: Continental Breakfast & Exhibits				6:00 am - 7:00 am	
PBLD SAT-05: 6:00 am - 7:00 am SNACC: Thoracolumbar Fusion Complicated by Unexpected Ventilation Problems		PBLD SAT-06: 6:00 am - 7:00 am Perioperative Stroke Is It Anyone's Fault?		6:00 am - 7:00 am	
7:00 am - 7:30 am: Welcome and Opening Remarks 7:30 am - 8:30 am: T.H. Seldon Memorial Lecture: Causation and Collaboration for Translating Neuroprotection – Eng H. Lo, PhD				7:00 am - 8:30 am	
8:30 am - 9:00 am: Break & Exhibits				8:30 am - 9:00 am	
W-01: 9:00 am - 1:00 pm SOCCA Critical Care Ultrasound Workshop		9:00 am - 12:00 pm International Science Symposium: Anesthesiology and Psychiatry: A New Frontier	9:00 am - 10:30 am 10:30 am - 12:00 pm 12:00 pm - 1:30 pm Moderated Poster Discussion Sessions	9:00 am - 1:30 pm	
5:30 am - 1:30 pm: Registration				5:30 am - 1:30 pm	SUNDAY, MARCH 22
6:00 am - 7:00 am: Continental Breakfast & Exhibits				6:00 am - 7:00 am	
PBLD SUN-05: 6:00 am - 7:00 am Clothesline Injury to Neck with Transected Trachea and Broken Cervical Spine		PBLD SUN-06: 6:00 am - 7:00 am LICAGE: A 60-Year-Old Patient with Low EF Undergoing Hepatic Resection		6:00 am - 7:00 am	
W-02: 7:00 am - 10:00 am Ultrasound, Simulation and Stimulation for Peripheral Nerve Blocks Workshop	7:00 am - 10:00 am Symposium Rewiring the Brain with General Anesthesia: From Pathology to Therapy	7:00 am - 9:00 am Resident Symposium: Preparing Yourself for Your Future in Anesthesiology 9:00 am - 10:00 am Resident Abstract Awards Session	7:00 am - 8:30 am 8:30 am - 10:00 am Moderated Poster Discussion Sessions	7:00 am - 10:00 am	
10:00 am - 10:30 am: Break & Exhibits				10:00 am - 10:30 am	
		10:30 am - 1:30 pm Resident Regional Ultrasound Guided Anesthesia Workshop <i>For Residents / In-Training Attendees Only</i>	10:30 am - 12:00 pm Kosaka Awards Session	10:30 am - 12:00 pm 12:00 pm - 1:30 pm Moderated Poster Discussion Sessions	10:30 am - 1:30 pm
5:30 am - 1:30 pm: Registration				5:30 am - 1:30 pm	MONDAY, MARCH 23
6:00 am - 7:00 am: Continental Breakfast & Exhibits				6:00 am - 7:00 am	
PBLD MON-05: 6:00 am - 7:00 am Perianesthetic Complications of Transjugular Intrahepatic Portosystemic Shunt Procedure: Challenges for the Offsite Anesthesiologist		PBLD MON-06: 6:00 am - 7:00 am Persistent Post-Surgical Pain Prevention, Evidence-Based		6:00 am - 7:00 am	
W-03: 7:00 am - 11:00 am Advanced Ultrasound-Guided Nerve Block Workshop	7:00 am - 10:00 am Symposium Cutting-Edge Pain Research and Treatment	7:00 am - 9:00 am Resident Innovative Fellowships Opportunities Workshop	7:00 am - 8:30 am 8:30 am - 10:00 am Moderated Poster Discussion Sessions	7:00 am - 10:00 am	
10:00 am - 10:30 am: Break & Exhibits				10:00 am - 10:30 am	
	10:30 am - 1:30 pm Symposium AUA: Strategic Use of Oxygen During Critical Care	10:30 am - 12:30 pm Contract Negotiation Seminar	10:30 am - 12:00 pm Best of Meeting Awards Session	10:30 am - 12:00 pm 12:00 pm - 1:30 pm Moderated Poster Discussion Sessions	10:30 am - 1:30 pm
6:00 am - 10:00 am: Registration				6:00 am - 10:00 am	TUESDAY, MARCH 24
6:00 am - 7:00 am: Continental Breakfast				6:00 am - 7:00 am	
PBLD TUES-04: 6:00 am - 7:00 am Big Problems: Airway Management, Positioning Issues, and Analgesic Options in the Severely Obese Patient	PBLD TUES-05: 6:00 am - 7:00 am Transsphenoidal Resection of Pituitary Tumors and Anesthetic Implications for Patients with Cushings Disease	PBLD TUES-06: 6:00 am - 7:00 am A 4-year-old with MH Susceptibility, Asthma and History of Allergy to Propofol Scheduled for EGD - An Anesthetic Nightmare!		6:00 am - 7:00 am	
				7:00 am - 10:00 am	

A&A CASE REPORTS

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IARS

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Daily Schedule-At-A-Glance*

5:30 am – 1:30 pm	Registration	7:00 am – 1:30 pm	Concurrent Sessions • Review Course Lectures • Interactive Panels • Hands-On Workshops • Moderated Poster Discussion Sessions
6:00 am – 7:00 am	Problem-Based Learning Discussions (PBLDs)	10:30 am – 12:00 pm	Best of Meeting Awards Session
7:00 am – 9:00 am	Resident Workshop <i>Innovative Fellowship Opportunities Workshop</i>	10:30 am – 12:30 pm	Contract Negotiation Seminar
7:00 am – 10:00 am	Symposium <i>Cutting Edge Pain Research and Treatment</i>	10:30 am – 1:30 pm	Symposium <i>Strategic Use of Oxygen During Critical Care</i>

6:00 am – 1:30 pm Tabletop Exhibits

* Listed sessions and presenters are as of press time. Please check www.iars.org for updates.

Problem-Based Learning Discussions

PBLD-MON-02 • 6:00 am – 7:00 am

AMB,
PS, PA

MY PATIENT COMPLAINS OF PARAPLEGIA AFTER LAPAROSCOPIC CHOLECYSTECTOMY, WHAT SHOULD I DO?

Moderator: Sher-Lu Pai, MD, Consultant and Clinical Director of Pre-Operative Evaluation Clinic, Department of Anesthesiology, Mayo Clinic College of Medicine, Jacksonville, Florida

Learner Objectives: After participating in this activity, the learner will be able to: (1) Summarize the differential diagnosis of postsurgical acute paraplegia; (2) Recognize the importance of immediate diagnosis for postsurgical acute paraplegia; and (3) Identify the proper treatments for acute paraplegia.

PBLD-MON-03 • 6:00 am – 7:00 am

AM,
PED, PS

PEDIATRIC AIRWAY DIFFICULTIES: EFFECTIVE MANAGEMENT OPTIONS

Narasimhan "Sim" Jagannathan, MD, Director of Pediatric Anesthesia Research, Associate Professor of Anesthesiology, Ann & Robert H. Lurie Children's Hospital of Chicago; Northwestern University Feinberg School of Medicine, Chicago, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe airway management principles unique to the pediatric airway, including the application of these principles using an evidenced based practice in cases of children with difficult airways; (2) Discuss the various newer airway devices that are clinically effective in the management of the pediatric airway; and (3) Appreciate management options of the unanticipated difficult airway in a child after induction of anesthesia.

Anesthesia Subspecialty Key for Education Sessions

All education sessions at the Annual Meeting are coded by the anesthesia subspecialty for which they pertain. Please see below for the Anesthesia Subspecialty Key.

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



Problem-Based Learning Discussions – continued

PBLD-MON-05 • 6:00 am – 7:00 am

AP, CC, T, L,
PS, PA, T

PERIANESTHETIC COMPLICATIONS OF TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT PROCEDURE: CHALLENGES FOR THE OFFSITE ANESTHESIOLOGIST

Moderator: Swapna Chaudhuri, MD, PhD, Professor and Vice Chair for Administration, Department of Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Outline broad principles for delivery of anesthesiology services at non-operating room locations; (2) Provide a brief overview of Transjugular Intrahepatic Portosystemic Shunt (TIPS) procedure; (3) Debate various anesthetic strategies for TIPS; and (4) Formulate a differential diagnosis and management of cardiopulmonary consequences following TIPS.

PBLD-MON-06 • 6:00 am – 7:00 am

PM, PME,
PA, R

PERSISTENT POST-SURGICAL PAIN PREVENTION, EVIDENCE-BASED

Moderator: Anis Dizdarevic, MD, Assistant Professor in Anesthesiology and Pain Management, Columbia University Medical Center, New York, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Have a comprehensive understanding of the mechanisms, risk factors and development of persistent post-surgical pain; (2) Develop patient and surgery specific risk stratification strategies, within perioperative anesthesia and surgical practice, with the goal to reduce the incidence of persistent post-surgical pain; and (3) Analyze, summarize and apply currently available evidence in regional anesthesia and pain medicine to prevent and minimize persistent post-surgical pain, utilizing various interventional, pharmacological and other pain management strategies.



Review Course Lectures

RCL-14 • 7:00 am - 7:45 am

CC

CRITICAL CARE UPDATE 2015

Presenter: Avery Tung, MD, Professor and 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) Describe current trends in the intra- and post-operative care of high risk surgical patients; (2) Review the relevance of urine output, DVT prophylaxis, and beta blockade in high risk postoperative surgical patients; (3) Discuss recent data questioning the applicability and benefit of therapeutic hypothermia after cardiac arrest; (4) Address new data suggesting a relationship between sedation depth and ICU outcome; and (5) Discuss the relevance of goal directed therapy and blood transfusion to outcome in high risk postoperative patients.

RCL-15 • 7:45 am - 8:30 am

AM

AIRWAY DILEMMAS ARE YOU WELL EQUIPPED?

Presenter: Richard Cooper, BSc, MSc, MD, FRCPC, Director of Anesthesia, Airway Fellowship Program, Toronto General Hospital; Professor, University of Toronto, Toronto, Ontario, Canada; Immediate Past President, Society for Airway Management (SAM)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Learn that airway difficulties are common and often unanticipated; (2) Discuss that practice guidelines, which provide a cognitive framework to deal with airway difficulties, are often inaccessible under stressful circumstances; (3) Determine that cognitive and mental preparation must be reinforced by thoughtful selection of equipment that is accessible and familiar; and (4) Learn that team coordination is essential to effecting a smooth airway rescue.

RCL-16 • 8:30 am - 9:15 am

EEP

QUALITY AND ECONOMICS IN ANESTHESIA – LET’S STEP UP TO THE PLATE!

Presenter: Richard P. Dutton, MD, MBA, Chief Quality Officer, Anesthesia Quality Institute, Park Ridge, Illinois

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe how data are accumulated in the National Anesthesia Clinical Outcomes Registry; (2) Recognize the strengths and weaknesses of this data source; (3) Acknowledge recent publications and other use of NACOR data; and (4) Identify future initiatives in applying big data to the practice of anesthesiology.

Resident Workshop



Monday, March 23 • 7:00 am – 9:00 am

EEP

RESIDENT WORKSHOP

Innovative Fellowship Opportunities Workshop

Moderator

James P. Rathmell, MD

Executive Vice Chair, Department of Anesthesia, Critical Care and Pain Medicine, Chief, Division of Pain Medicine, Massachusetts General Hospital; Henry Knowles Beecher Professor of Anesthesia, Harvard Medical School, Boston, Massachusetts

Presenters

- **Fellowship in Perioperative Quality & Patient Safety**

Karen J. Souter, MB BS, MSc, FRCA, Professor, Vice Chair for Education & Residency Program Director, Department of Anesthesiology & Pain Medicine, University of Washington School of Medicine, Seattle, Washington

- **Anesthesia Informatics Fellowship**

Lawrence S. Chu, MD, MS, Associate Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Executive Director, Stanford Medicine X, Stanford, California

- **Fellowship in Research Training**

George A. Mashour, MD, PhD, Bert N. La Du Professor of Anesthesiology Research, Associate Chair for Research & Faculty Affairs, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

- **Anesthesia Fellowship in Global Health**

Ana M. Crawford, MD, Division Director and Fellowship Director, Global Health in Anesthesia, Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine, Stanford University School of Medicine, Stanford, California

Learner Objectives: After participating in this activity the learner will be able to:

(1) Review the shifting calculus for anesthesiology trainees: from whether to pursue fellowship training, to which fellowship to choose; and (2) Identify available innovative fellowship opportunities.



Monday, March 23 • 7:00 am – 10:00 am

PM, PME,
PA, EEP

SYMPOSIUM

Cutting-Edge Pain Research and Treatment

Moderator
Howard Gutstein, MD

Presenters

- **Ischemic Pain – An Understudied Mechanism**

Tim Brennan, MD, PhD, *Dr. Samir D. Gergis Professor; Interim Director, Pain Medicine; Vice Chair for Research, Department of Anesthesia, University of Iowa, Iowa City, Iowa*

- **Current Challenges in Translational Pain**

Jianren Mao, MD, PhD, *Vice Chair for Research, Department of Anesthesia, Critical Care and Pain Medicine; Director, MGH Center for Translational Pain Research, Massachusetts General Hospital, Boston, Massachusetts*

- **Pain Practice and Policy Changes**

Michael Ashburn, MD, MPH, MBA, *Director, Pain Medicine and Palliative Care, Professor of Anesthesiology and Critical Care at the Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania*

- **New Mechanisms Linking Tolerance and Pain**

Howard Gutstein, MD, *Professor, Department of Anesthesiology and Perioperative Medicine, Division of Anesthesiology and Critical Care; Professor, Department of Biochemistry and Molecular Biology, The University of Texas, MD Anderson Cancer Center, Houston, Texas*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss recent discoveries in pain mechanisms and the implications of these discoveries for their practice; (2) Improve understanding of the diversity of pain mechanisms, as well as emerging treatment strategies for different types of pain; (3) Improve one's ability to interpret and critically evaluate translational pain studies and their clinical applicability; and (4) Obtain the latest perspectives on PCORI, clinical effectiveness trials, government oversight of pain practice, and prescription drug abuse.



Monday, March 23 • 10:30 am – 1:30 pm

CC, NR,
AP

SYMPOSIUM



Strategic Use of Oxygen During Critical Care

Moderator

Gary Fiskum, PhD

M. Jane Matjasko Professor for Research in Anesthesiology, Vice Chair, Research, Professor of Anesthesiology, University of Maryland School of Medicine, Baltimore, Maryland

Presenters

- **Oxygen Following Brain Injury**

Robert Rosenthal, MD, Professor, Emergency Medicine and Anesthesiology, University of Maryland School of Medicine, Baltimore, Maryland

- **Hyperbaric Oxygen Preconditioning for Brain Protection**

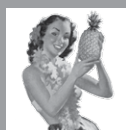
John H. Zhang, MD, PhD, Professor of Neurosurgery, Anesthesiology, and Physiology, Loma Linda University School of Medicine, Loma Linda, California

- **Hyperoxia and Abdominal Surgery**

Christian Meyhoff, MD, PhD, Principal Investigator, Department of Anaesthesiology, Copenhagen University Hospital, Rigshospitalet, Denmark

Learner Objectives: After participating in this activity, the learner will be able to:

(1) Differentiate between the benefits of supplemental oxygen and the potential toxic side effects and identify the physiologic factors that contribute to these effects; (2) Define the differences between normobaric hypoxia, normoxia, and hyperoxia and hyperbaric normoxia and hyperoxia; (3) Describe some of the differences between the adult and immature brain that may be responsible for the sensitivity to oxygen toxicity during brain development; and (4) Recognize the pharmacokinetic and toxicologic characteristics of oxygen that qualify it as a drug.





Review Course Lectures – continued

RCL-17 • 9:15 am - 10:00 am

CA

CURRENT ADVANCES IN CARDIAC ANESTHESIA

Presenter: Davy Cheng, MD, MSc, FRCPC, FCAHS, CCPE, Distinguished University Professor & Chair, Department of Anesthesia and Perioperative Medicine; Professor, Critical Care Medicine, Western University, London, Ontario, Canada

Learner Objectives: After participating in this activity, the learner will be able to evaluate the concept of Health Technology Assessment (HTA) and Value-Based Practice in Cardiac Anesthesiology. Recent advances in a technology and a drug will be assessed to highlight the HTA concept: (1) Transcatheter Aortic Valve Implantation (TAVI): Determine the outcomes of TAVI, Open AVR and Medical Management in patients with severe aortic disease; and (2) Colloids: Evaluate The Evidence For Fluid Replacement Therapies (Colloids vs. Crystalloids In Acute Care – ICU, Cardiac Surgery).

RCL-18 • 10:30 am - 11:15 am

AP

UNDERSTANDING THE PHARMACOKINETICS OF DRUGS

Presenter: Steven L. Shafer, MD, Professor of Anesthesia, Stanford University School of Medicine, Stanford, California; Editor-in-Chief, Anesthesia & Analgesia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the basic principles of drug disposition (volume, clearance, bioavailability) and how these are altered by age, weight, gender, and disease; (2) Discuss how the rate of blood-brain equilibration profoundly affects the potency and time course of drug effect, as well as the selection of drugs (opioids, muscle relaxants) most appropriate for the clinical scenario; (3) Discuss how novel drug delivery systems, presently available everywhere other than the United States, will lead to more rational administration of propofol, opioids, and muscle relaxants.



RCL-19 • 11:15 am - 12:00 pm

R, AMB

REGIONAL ANESTHESIA FOR ORTHOPEDIC SURGERY: BLOCKS THAT EVERYONE SHOULD KNOW

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

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

RCL-20 • 12:00 pm - 12:45 pm

EEP

CONFLICT RESOLUTION: HOW TO MANAGE A DISRUPTIVE COLLEAGUE

Presenter: Kevin Tremper, MD, PhD, FRCA, Chair, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Recall the Hospital and GME Requirements regarding Disruptive and Unprofessional Behavior; (2) Identify the important resources one should engage in managing a disruptive colleague; and (3) Assess and decide the various approaches to take in managing disruptive events and individuals depending on the severity and chronicity of the behavior.

RCL-21 • 12:45 pm - 1:30 pm

OB

10 THINGS YOU ALWAYS WANTED TO KNOW ABOUT OB ANESTHESIA

Presenter: Cynthia Wong, MD, Professor and Vice Chair, Department of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois; Section Editor, Obstetric Anesthesiology, Anesthesia & Analgesia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss technical aspects of neuraxial labor analgesia, including patient positioning, sterile technique, needle size and epidural catheter design; (2) Describe the relationship between local anesthetic volume, concentration and mode of delivery into the epidural space, and characteristics of the neuroblockade; (3) Describe the relationship between density of neuroblockade and outcome of labor; (4) Discuss technical aspects of spinal anesthesia for cesarean delivery, including choice of vasopressors and fluids for the prevention of hypotension during cesarean delivery; and (5) Explain techniques for rescuing failed neuraxial analgesia/anesthesia.



Monday, March 23 • 10:30 am – 12:30 pm

EEP

CONTRACT NEGOTIATION SEMINAR

Moderator

Joseph W. Szokol, MD, JD, MBA

● **Negotiating Personal Employment Contracts**

Joseph W. Szokol, MD, JD, MBA, *Vice Chairman, Department of Anesthesia/Critical Care Services, NorthShore University HealthSystem; Clinical Professor Anesthesiology, University of Chicago Pritzker School of Medicine, Chicago, Illinois*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the basic requirements of employment contracts; and (2) Be aware of pitfalls in personal employment contracts.

● **Negotiating Hospital-Group Contracts**

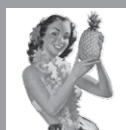
Aubrey Maze, MD, FAAP, *Chief Executive Officer, Valley Anesthesiology & Pain Consultants, Phoenix, Arizona*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss strategies to protect anesthesia groups when negotiating with the hospital; and (2) Describe what hospitals want from their anesthesia group.

● **Negotiation Strategies**

Jeffery S. Vender, MD, FCCM, FCCP, MBA, *Harris Family Foundation Chairman, Department of Anesthesia / Critical Care Services; Vice President, Physician and Programmatic Development, NorthShore University HealthSystem; Clinical Professor Anesthesiology, University of Chicago Pritzker School of Medicine, Chicago, Illinois*

Learner Objectives: After participating in this activity, the learner will be able to: (1) Define the necessary skills for successful negotiations; (2) Discuss the basis of creating value; and (3) Recognize the pitfalls in negotiating strategies.





Panels

P-15 • 7:00 am - 8:30 am

GA

THE AGING ANESTHESIOLOGIST: KNOWING WHEN TO SAY WHEN

Moderator: Gregory Crosby, MD

Panelists:

• **The Aging Brain and Mind**

Gregory Crosby, MD, Vice Chairman for Finance and Administration, Department of Anesthesiology, Brigham & Women's Hospital; Associate Professor, Harvard Medical School, Boston, Massachusetts

• **Going from Who's Who to Who's That**

Simon Gelman, MD, PhD, Vandam/Covino Distinguished Professor of Anaesthesia, Harvard Medical School; Anesthesiologist, Brigham & Women's Hospital, Boston, Massachusetts

• **Winding Down**

Aubrey Maze, MD, FAAP, Chief Executive Officer, Valley Anesthesiology & Pain Consultants, Phoenix, Arizona

• **The Graceful Exit: Judging and Nudging**

Kevin Tremper, MD, PhD, FRCA, Chair, Department of Anesthesiology, University of Michigan, Ann Arbor, Michigan

Learner Objectives: After participating in this activity, the learner will be able to: (1) Understand how aging affects cognitive performance and competence, particularly in physicians; (2) Discuss strategies used by academic and community practices to ease or insist on a transition to retirement; and (3) Understand how an aging physician knows when to say when.



P-16 • 7:00 am - 8:30 am

T, PA

HOW CAN TECHNOLOGIES HELP FACILITATE THE PERIOPERATIVE SURGICAL HOME

Moderator: Maxime Cannesson, MD, PhD

Panelists:

• **Mobile Technologies and the PSH**

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

• **Communication Tools for Decision Making**

Franklin Dexter, MD, PhD, Director, Division of Management Consulting, Department of Anesthesia, The University of Iowa, Iowa City, Iowa, Section Editor for Education, Economics, and Policy, Anesthesia & Analgesia

• **Technologies and the PSH**

Zeev N. Kain, MD, MBA, Professor and Chair, Anesthesiology, University of California at Irvine, Irvine, California

• **Meaningful Use of AIMS**

Jorge Galvez, MD, Assistant Professor in Biomedical Informatics Section in the Department of Anesthesiology & Critical Care at the Children's Hospital of Philadelphia (CHOP), Philadelphia, Pennsylvania

Learner Objectives: After participating in this session, the learner will be able to: (1) Review the perioperative surgical home and discuss how technologies can help facilitate the implementation of this new model of care; (2) Review the meaningful use of anesthesia information management systems; (3) Discuss the use of communication technologies to help decision making; and (4) Discuss the use of technologies allowing monitoring in the postoperative and post hospital discharge periods.

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Your username for the mobile app is the email with which you registered for the Annual Meeting, and the password for all users is **iars2015**.



Panels – continued



P-17 • 7:00 am - 8:30 am

PED

REGIONALIZATION OF PEDIATRIC SURGICAL CARE: THE AMERICAN COLLEGE OF SURGEONS GUIDELINES

Moderator: Jayant K. Deshpande, MD, MPH

- Regionalization, Evidence for the Need
- The Perioperative Pediatric Environment
- The ACS Task Force - Putting An Idea Into Practice

Panelists:

Jayant K. Deshpande, MD, MPH, Anesthesiologist, Arkansas Children's Hospital, Little Rock, Arkansas

Constance Houck, MD, Senior Associate in Perioperative Anesthesia, Boston Children's Hospital and Associate Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Keith T. Oldham, MD, Surgeon-in-Chief, Children's Hospital of Wisconsin, Professor and Chief, Surgery, The Medical College of Wisconsin, Milwaukee, Wisconsin

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the evidence for specialized centers and providers; (2) Review what constitutes the ideal pediatric perioperative environment; and (3) Describe the guidelines and the accreditation process.

Tabletop Exhibits Area

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- Friday, March 20 5:00 pm – 6:00 pm
Welcome Reception
- Saturday, March 21..... 6:00 am – 1:30 pm
- Sunday, March 22..... 6:00 am – 1:30 pm
- Monday, March 23 6:00 am – 1:30 pm

P-18 • 8:30 am - 10:00 am

PA, EEP

PERIOPERATIVE MEDICINE AS THE FUTURE OF ANESTHESIOLOGY: WHY, WHERE, WHO AND HOW

Moderator: Ronald Pearl, MD, PhD

Panelists:

- **Training Anesthesiologists for the PSH**
Ronald Pearl, MD, PhD, Dr. Richard K. and Erika N. Richards, Professor and Chair, Department of Anesthesiology, Pain and Perioperative Medicine, Stanford University School of Medicine, Stanford, California
- **The PSH in an Academic Practice**
Zeev N. Kain, MD, MBA, Professor and Chair, Anesthesiology, University of California at Irvine, Irvine, California
- **The PSH for Ambulatory Surgery**
Narendra Trivedi, MD, Professor, Department of Anesthesia, Keck School of Medicine, University of Southern California, Los Angeles, California
- **The PSH for Inpatient Surgery**
Keith A. (Tony) Jones, MD, Alfred Habeeb Professor and Chair, Department of Anesthesiology, The University of Alabama at Birmingham, Birmingham, Alabama
- **The Economic Imperative for the PSH**
Lee A. Fleisher, MD, Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care, Professor of Medicine, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania; Past President, Association of University Anesthesiologists (AUA)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the economic and practice issues responsible for the transition to perioperative medicine and the surgical home concept; (2) Define the skills needed to create a perioperative surgical home; (3) Assess the advantages and disadvantages of different perioperative surgical home models; and (4) Create a plan for transition of the learner's individual practice to a perioperative surgical home model.



Panels – continued



P-19 • 8:30 am -10:00 am

AP

PHARMACOLOGY OF PHAT – DRUGS AND DOSING IN THE SEVERELY OBESE

Moderator: Anu Wadhwa, MD

Panelists:

Anu Wadhwa, MD, Associate Professor, Director of Residency Education & Curriculum, Department of Anesthesiology and Perioperative Medicine, University of Louisville, Louisville, Kentucky

Cindy M. Ku, MD, Instructor, Anesthesiology, Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

David Torres, MD, Anesthesiologist, MSc Clinical Epidemiology, Anesthesiology, Clinica Santa Maria, Santiago, Chile

John Mitchell, MD, Residency Program Director, Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center; Assistant Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain how the physiologic changes of obesity influences drug dosing; (2) Identify alternatives to opioids and employ them strategically to optimize pain management; (3) Identify effective options for DVT prophylaxis in the morbidly obese patient; and (4) Summarize prevention and management of PONV in the morbidly obese patient.

SmartTots

P-20 • 8:30 am - 10:00 am

PED, NR

NEUROTOXICITY OF ANESTHETICS IN THE DEVELOPING BRAIN – A TRANSLATIONAL UPDATE

Panelists:

Ansgar Brambrink, MD, PhD, Professor of Anesthesiology and Perioperative Medicine, Vice-Chair Faculty Development and Advancement, Department of Anesthesiology Medicine, Oregon Health & Science University, Portland, Oregon

Andreas W. Loeckle, MD, PhD, Principal Investigator in Anesthesiology, Cincinnati Children’s Research Foundation; Attending Anesthesiologist, Division of Cardiac Anesthesia, Department of Anesthesiology, Cincinnati Children’s Hospital Medical Center; Associate Professor of Clinical Anesthesia and Pediatrics, University of Cincinnati College of Medicine, Cincinnati, Ohio

Vesna Jevtovic-Todorovic, MD, PhD, MBA, Harold Carron Professor of Anesthesiology and Neuroscience, University of Virginia School of Medicine, Charlottesville, Virginia

Andrew Davidson, MBBS, MD, FANZCA, Associate Professor, Department of Paediatrics, University of Melbourne; Director of Clinical Research and Senior Staff Anaesthetist, Royal Children’s Hospital, Melbourne, Australia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the window of vulnerability and list the key features of the morphology of anesthetic toxicity in the developing brain; (2) Discuss the currently known pathomechanisms of this injury and critically appraise experimental treatments that have been tested in the laboratory and their translational relevance as of today; and (3) List important phenotypes that currently are considered manifestations of anesthesia toxicity in humans, and describe related considerations when developing an anesthetic plan for children and infants.



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Best of Meeting Awards Session



Monday, March 23 • 10:30 am – 12:00 pm

EEP

BEST OF MEETING AWARDS SESSION

Join your colleagues and cheer them on as they present their research, selected as the top scoring abstracts submitted to the IARS 2015 Annual Meeting and International Science Symposium.

A panel of expert judges will award top honors in three categories:

- **Best Abstract Presentation in Patient-Oriented Research***
\$1,000 award presented to the top abstract presenter in patient-oriented research
- **Best Abstract Presentation in Basic Science Research***
\$1,000 award presented to the top abstract presenter in basic science research
- **Best Abstract Presentation in Neuroscience****
\$500 award to the best abstract presenter in Neuroscience, complimentary one-year membership to the Society for Neuroscience in Anesthesiology and Critical Care (SNACC) and a complimentary registration to the 43rd SNACC Annual Meeting, October 22-23, 2015, in San Diego, California

Best of Meeting Awards Judges

Moderator: Keith A. (Tony) Jones, MD, University of Alabama at Birmingham, Birmingham, Alabama

Michael S. Avidan, MBBCh, Washington University School of Medicine at St. Louis, St. Louis, Missouri

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



*The Best Abstract Presentation in Patient-Oriented Research and the Best Abstract Presentation in Basic Science Research Awards are supported by the International Anesthesia Research Society (IARS).

**The Best Abstract Presentation in Neuroscience is supported by the Society for Neuroscience in Anesthesiology and Critical Care (SNACC) and the International Anesthesia Research Society (IARS).





Panels – continued

P-21 • 10:30 am - 12:00 pm

NR, EEP

NEUROPHYSIOLOGY OVER NUMEROLOGY: NEW APPROACHES TO EEG MONITORING DURING ANESTHESIA

Moderator: Patrick Purdon, PhD

Panelists:

- **New Approaches to EEG Monitoring**

Patrick Purdon, PhD, Assistant Professor of Anesthesia, Harvard Medical School; Associate Bioengineer, Department of Anesthesia, Massachusetts General Hospital, Boston, Massachusetts

- **EEG Monitoring in Anesthetic Management**

Emery N. Brown, MD, PhD, Warren M. Zapol Professor of Anaesthesia, Harvard Medical School; Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital; Edward Hood Taplin Professor of Medical Engineering, Institute for Medical Engineering; Science Professor of Computational Neuroscience, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, Boston, Massachusetts

- **Perioperative Outcomes in EEG Monitoring**

Michael Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery; Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care; Director, Institute of Quality Improvement, Research and Informatics, Washington University School of Medicine at St. Louis, St. Louis, Missouri; Secretary, Association of University Anesthesiologists (AUA)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the key features, limitations, and perioperative outcomes associated with current EEG-based “depth of anesthesia” monitors; (2) Discuss recent advances in the neuroscience of anesthesia, and how this science informs a new neurophysiologically-principled approach to EEG monitoring; and (3) Review cases illustrating how to apply this approach to clinical management during general anesthesia and sedation.

SOCIETY FOR
SAMBA AMBULATORY
ANESTHESIA

P-22 • 10:30 am - 12:00 pm

AMB

3 MUST READ GUIDELINES FOR AMBULATORY ANESTHESIA

Moderator: Girish P. Joshi, MB, BS, MD, FFARCSI

Panelists:

- **OSA**

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

- **Obesity**

Girish P. Joshi, MB, BS, MD, FFARCSI, Professor of Anesthesiology and Pain Management, University of Texas, Southwestern Medical School, Dallas, Texas

- **Diabetes**

Karen Carlson, MD, Assistant Professor of Anesthesiology, Emory University, Atlanta, Georgia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Justify appropriate selection of patients with obstructive sleep apnea scheduled for ambulatory surgical procedures, including bariatric surgery; (2) Justify appropriate selection of the morbidly obese scheduled for ambulatory surgery (3) Review the current evidence on perioperative glucose control in the ambulatory surgical population.

White Paper Submission Site Opens March 24 for the IARS 2016 Annual Meeting!

Contribute to the IARS mission to encourage and stimulate innovative and forward-thinking anesthesia research and education! Submit your white paper proposal today and be a part of the IARS 2016 Annual Meeting and International Science Symposium education program!

IARS will be accepting proposals for Panels, Problem-Based Learning Discussion (PBLD's) sessions, and Workshops for possible inclusion in the IARS 2016 Annual Meeting and International Science Symposium, May 21-24, in San Francisco, California.

**Deadline to Submit White Papers:
Friday, June 12, 2015**

Make sure you don't miss this great opportunity!
For more information, visit www.iars.org.



Panels – continued



P-23 • 12:00 pm - 1:30 pm

**COMBINED TRAUMA AND
CBRN EXPOSURE**

**CC, T, OB, PA,
PM, PS**

Moderator: Joseph McIsaac, MD, MS

Panelists:

- **Decontamination and Self-Protection Trauma, Toxins, and Biological Agents**
Joseph McIsaac, MD, MS, Chief of Trauma Anesthesia, University of Connecticut, Hartford Hospital, Avon, Connecticut
- **Combined Trauma and Chemical Injury**
Michael Murray, MD, PhD, Professor of Anesthesiology, Mayo Clinic College of Medicine, Phoenix, Arizona; Anesthesia & Analgesia
- **Combined Trauma and Acute Radiation Syndrome**
C.J. Kucik, MD, MA, DMCC, FUHM, FCCP, Commander, Medical Corps, US Navy, Department Head, Requirements, Capabilities Development and Integration Directorate (CD&I) Head, Net Assessments, Future Healthcare Innovations Directorate, Strategy and Innovations (M5), Navy Bureau of Medicine and Surgery, Assistant Professor of Anesthesiology, Uniformed Services University Medical Representative, Chief of Naval Operations Rapid Innovation Cell, Director, Uniformed Services Society of Anesthesiologists

Learner Objectives: After participating in this activity, the learner will be able to: (1) Protect him/herself, decontaminate radiologically or chemically contaminated patients and apply proper isolation techniques for patients with highly infectious diseases; (2) Review the principles of anesthetic/surgical care for trauma patients with acute radiation syndrome; (3) Manage a trauma patient with a chemical toxidrome; and (4) Provide anesthetic care to infectious patients with traumatic injury.



P-24 • 12:00 pm - 1:30 pm

PA

**CLINICAL CHALLENGES IN
A PREOPERATIVE CLINIC**

Moderator: Debra Pulley, MD, Associate Professor of Anesthesiology, Washington University School of Medicine, St. Louis, Missouri; President, Society for Perioperative Assessment and Quality Improvement (SPAQI)

Panelists:

- **ACC/AHA Guidelines for Noncardiac Surgery**
BobbieJean Sweitzer, MD, Professor of Anesthesiology, Critical Care and Medicine, and Director of Anesthesia Perioperative Medicine Clinic, University of Chicago, Chicago, Illinois; Immediate Past President, Society for Perioperative Assessment and Quality Improvement (SPAQI)
- **Creating Clinical Pathways**
Angela Edwards, MD, Assistant Professor of Anesthesiology; Section Head, Perioperative Medicine, Wake Forest University School of Medicine, Winston-Salem, North Carolina
- **Individualizing Care for Older Adults**
Troy Wildes, MD, Assistant Professor of Anesthesiology and Medical Director of the Center for Preoperative Assessment and Planning, Washington University School of Medicine; Barnes Jewish Hospital, St. Louis, Missouri
- **Evaluation of Minimally Invasive Valve**
Jeffrey Gardner, MD, Assistant Professor of Anesthesiology, Wake Forest University School of Medicine, Winston-Salem, North Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the latest ACC/AHA guidelines on cardiovascular evaluation and management for noncardiac surgery; (2) Identify screening measures that can be used to evaluate geriatric patients in order to individualize risks and benefits of surgery; (3) Review of the preoperative evaluation and risk stratification of the patient undergoing transcatheter cardiac surgery; and (4) Discuss how to create clinical pathways in perioperative medicine that can be used in the surgical home.



Workshops

W-03 • 7:00 am – 11:00 am

R,NR

ADVANCED ULTRASOUND-GUIDED NERVE BLOCK*

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

- **Neuraxial Space and Lumbar Plexus**
Steven Clendenen, MD, Associate Professor, Department of Anesthesiology, Mayo Clinic College of Medicine, Jacksonville, Florida
- **Thoracic Paravertebral Space and PEC Block**
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
- **Sciatic Nerve (Parasacral, Transgluteal, Subgluteal, Anterior Approaches)**
Vincent W.S. Chan, MD, FRCPC, FRCA, 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)**
Francis Salinas, MD, Staff Anesthesiologist, Department of Anesthesiology, Virginia Mason Medical Center, Seattle, Washington

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

* This 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. (Seating is limited to 40 attendees. An additional fee applies for this workshop.)

Internet Availability

Complimentary wireless internet is available in the conference and exhibit area and all IARS scheduled meeting rooms. Open your internet browser and choose the network labeled "IARS." When prompted for an access code, enter "#paradise2015." Please no streaming or video downloads.



Tabletop Exhibits Area

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Monday, March 23	6:00 am – 1:30 pm



Daily Schedule-At-A-Glance*

6:00 am – 10:00 am Registration

7:00 am – 10:00 am **Concurrent Sessions**

6:00 am – 7:00 am Problem-Based Learning Discussions (PBLDs)

- Review Course Lectures
- Interactive Panels

* Listed sessions and presenters are as of press time. Please check www.iars.org for updates.

Problem-Based Learning Discussions

PBLD-TUE-01 • 6:00 am – 7:00 am

AP, PS, PA

UP WITH THE LEGS, DOWN WITH THE PULSES: SINUS BRADYCARDIA AND ASYSTOLE DURING ANESTHESIA

Moderator: Kallol Chaudhuri, MD, PhD, Professor, Associate Residency Program Director, Department of Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe various clinical situations during anesthesia, complicated by significant bradycardia, hypotension to asystole; (2) Debate the different mechanisms that can explain unexpected perioperative bradycardia and asystole; and (3) Discuss possible strategies to prevent sudden bradycardia and hypotension in different situations.

PBLD-TUE-02 • 6:00 am – 7:00 am

AP, PA

THE ANESTHETIC CHALLENGES IN A PATIENT WITH MITOCHONDRIAL METABOLIC DISORDER

Co-Moderator: Ahmed Attaallah, MD, PhD, Assistant Professor, Department of Anesthesiology, West Virginia University School of Medicine, Morgantown, West Virginia

Co-Moderator: Pavithra Ranganathan, MD, Assistant Professor, Department of Anesthesiology, West Virginia University School of Medicine, Morgantown, West Virginia

Learner Objectives: After participating in this activity, the learner will be able to: (1) Understand the nature of mitochondrial metabolic disorders (MMD) and recognize the challenges in the anesthetic management for these patients; (2) Develop a safe anesthetic plan for MMD patients who are vulnerable to several metabolic derangements; and (3) Facilitate the postoperative course, including pain management and other measures resulting in optimal outcomes.

Anesthesia Subspecialty Key for Education Sessions

All education sessions at the Annual Meeting are coded by the anesthesia subspecialty for which they pertain. Please see below for the Anesthesia Subspecialty Key.

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



Problem-Based Learning Discussions – continued

PBLD-TUE-03 • 6:00 am – 7:00 am

PA, R

POSTOPERATIVE ANALGESIA FOR TOTAL KNEE ARTHROPLASTY: WHAT IS THE BEST PRACTICE?

Moderator: Sylvia Wilson, MD, Division Chief of Regional and Orthopedic Anesthesia, Medical University of South Carolina, Charleston, South Carolina

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the analgesic options for total knee arthroplasty; (2) Compare femoral nerve blocks and adductor canal blocks; (3) Describe the risks and benefits of sciatic nerve blocks; and 4) Identify the potential utility of surgical wound infiltration.



PBLD-TUE-04 • 6:00 am – 7:00 am

AM, AMB

BIG PROBLEMS: AIRWAY MANAGEMENT, POSITIONING ISSUES, AND ANALGESIC OPTIONS IN THE SEVERELY OBESE PATIENT

Co-Moderator: Anu Wadhwa, MD, Associate Professor, Director of Residency Education & Curriculum, Department of Anesthesiology and Perioperative Medicine, University of Louisville, Louisville, Kentucky

Co-Moderator: Rainer Lenhardt, MD, Associate Professor and Clinical Director, Neuroscience-Anesthesia Intensive Care Unit, Department of Anesthesiology & Perioperative Medicine, University of Louisville, Louisville, Kentucky

Learner Objectives: After participating in this activity, the learner will be able to: (1) Compare the options for airway management in the morbidly obese patient including supraglottic airways and fiberoptic intubation; (2) Examine the effects of patient position on ventilatory physiology and risk of perioperative neuropathy; and (3) Appraise analgesic strategies for ambulatory and inpatient procedures.

PBLD-TUE-05 • 6:00 am – 7:00 am

NR, PA

TRANSPENOIDAL RESECTION OF PITUITARY TUMORS AND ANESTHETIC IMPLICATIONS FOR PATIENTS WITH CUSHINGS DISEASE

Moderator: Letha Mathews, MD, Associate Professor of Clinical Anesthesiology, Division of Neuroanesthesia, Vanderbilt University Medical Center, Nashville, Tennessee

Learner Objectives: After participating in this activity, the learner will be able to: (1) Review the pathophysiology of pituitary adenomas and Cushing's disease; (2) Discuss the perioperative management of patients with Cushing's disease; and (3) Discuss the potential complications and management.

PBLD-TUE-06 • 6:00 am – 7:00 am

PS, PED

A 4-YEAR-OLD WITH MH SUSCEPTIBILITY, ASTHMA AND HISTORY OF ALLERGY TO PROPOFOL SCHEDULED FOR EGD – AN ANESTHETIC NIGHTMARE!

Moderator: Susan Verghese, MD, Professor of Anesthesiology and Pediatrics, George Washington University Medical Center, Children's National Medical Center, Washington, DC

Learner Objectives: After participating in this activity, the learner will be able to: (1) Tell the difference between true egg allergy/anaphylaxis from egg sensitivity; (2) The crucial preop questions to ask that will enable us to clarify the nature of the sensitivity and the pre-op tests that will shed on the nature of his allergy; (3) The actual sensitizing agent in the egg (yolk versus White) that is responsible for the allergic reaction; (4) The pre-op information necessary to confirm the diagnosis of MH susceptibility in a preschooler; and (5) The optimal anesthetic agents that can safely be used in lieu of the propofol and inhalational agents.





Review Course Lectures

RCL-22 • 7:00 am - 7:45 am

PM, PME, AP

PAIN AND PRESCRIPTION OPIOIDS: FROM PANACEA TO EPIDEMIC

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

Learner Objectives: After participating in this activity, the learner will be able to: (1) Explain the origin and evolution of increased use of opioids for the treatment of non-cancer pain; (2) Discuss the current state that suggests a recent and dramatic rise in prescription drug abuse in the United States; and (3) Outline a detailed plan to minimize the risk of abuse and diversion when prescribing opioid analgesics.

RCL-23 • 7:45 am - 8:30 am

NR, T

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-24 • 8:30 am - 9:15 am

GA

SPECIAL CONSIDERATIONS FOR GERIATRIC PATIENTS HAVING AMBULATORY SURGERY

Presenter: Kathryn E. McGoldrick, MD, FCAI (Hon), Professor and Chair of Anesthesiology, Residency Program Director, Assistant Dean for Student Affairs, New York Medical College, Valhalla, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Discuss the anesthetic implications of the post-polio syndrome; (2) Explain potential concerns associated with the beach chair position; (3) List complications associated with neuraxial blockade in the elderly; and (4) Contrast and compare postoperative delirium and postoperative cognitive dysfunction.

RCL-25 • 9:15 am - 10:00 am

PA, PM,
PME

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

Michael Avidan, MBBCh, Professor, Anesthesiology and Cardiothoracic Surgery; Division Chief, Cardiothoracic Anesthesiology and Cardiothoracic Intensive Care; Director, Institute of Quality Improvement, Research and Informatics, Washington University School of Medicine at St. Louis, St. Louis, Missouri; Secretary, Association of University Anesthesiologists (AUA)

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

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Panels

P-25 • 7:00 am - 8:30 am

EEP

THE EVOLUTION OF MULTIMODAL ANALGESIA AND ENHANCED RECOVERY AFTER SURGERY (ERAS)

Moderator: Asokumar Buvanendran, MD

Panelists:

- **What is Enhanced Recovery after Surgery? Implementation of ERAS in Your Hospital**
Asokumar Buvanendran, MD, Professor, Department of Anesthesiology, Rush Medical College, Chicago, Illinois
- **The Pediatric Perspective**
Patrick Birmingham, MD, FAAP, Division Head of Pain Medicine and Associate Chairman, Department of Pediatric Anesthesiology, Ann & Robert H. Lurie Children's Hospital; Professor of Anesthesiology, Northwestern University Feinberg School of Medicine, Chicago, Illinois
- **Evolving Evidence for Multimodal Analgesia**
Eugene Viscusi, MD, Professor and Director of Acute Pain Management, Department of Anesthesiology, Thomas Jefferson University, Philadelphia, Pennsylvania

Learner Objectives: After participating in this activity, the learner will be able to: (1) Understand the concept of ERAS and why anesthesiologist need to be integral in this process; (2) Evaluate the current evidence to support non-opioid agents for perioperative pain management; and (3) Understand pre- and intra-operative non-opioid interventions that can affect outcome.

SAGA P-26 • 7:00 am - 8:30 am

CARING FOR OUR SILVER TSUNAMI PATIENTS

GA, AMB, AP, NR, PME, PM, PA, PS

Moderator: Stacie Deiner, MD

Panelists:

- Ruben J. Azocar, MD**, Anesthesiologist; Associate Chair, Department of Anesthesiology; Associate Professor, Tufts University School of Medicine, Tufts Medical Center, Boston, Massachusetts
- Stacie Deiner, MD**, Associate Professor of Anesthesiology, Neurosurgery and Geriatrics & Palliative Care Department of Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York
- Jason McKeown, MD**, Anesthesiology, Associate Professor, Medical Director, Inpatient Pain Service, The University of Alabama at Birmingham, Birmingham, Alabama
- John Mitchell, MD**, Residency Program Director, Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Assistant Professor of Anaesthesia, Harvard Medical School, Boston, Massachusetts

Learner Objectives: After participating in this activity, the learner will be: (1) Aware of the the American Geriatrics Society Delirium Guidelines; (2) Able to discuss the evidence of pre- and intraoperative delirium prevention; (3) Learn about the evolution of modern palliative care and its importance in 21st century healthcare; (4) Discuss the impact of the growing geritric population on trauma services; and (5) Discuss new cardiac procedural options for the elderly *and identify the risks of surgery for those of advanced age.*



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Panels – continued

P-27 • 8:30 am - 10:00 am

CA, PA

PERIOPERATIVE CARDIOVASCULAR EVENTS – WHAT IS NEW IN 2015

Moderator: Peter Nagele, MD, MSc

Panelists:

- **Novel High-Sensitivity Cardiac Troponin**
Peter Nagele, MD, MSc, Assistant Professor of Anesthesiology and Genetics, Washington University School of Medicine at St. Louis, St. Louis, Missouri
- **Perioperative Myocardial Injury**
W. Scott Beattie, MD, PhD, FRCPC, Associate Professor of Clinical Anesthesiology, Division of Multispecialty Anesthesiology, University of Toronto, Toronto, Ontario, Canada
- **The New AHA Guidelines**
Lee A. Fleisher, MD, Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care, Professor of Medicine, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, Pennsylvania; Past President, Association of University Anesthesiologists (AUA)

Learner Objectives: After participating in this activity, the learner will be able to: (1) Improve the detection and vigilance for perioperative cardiovascular events; (2) Know how to interpret novel cardiac biomarkers including high-sensitivity cardiac troponin and NT-proBNP; (3) Interpret the results of the most recent important clinical trials in this field; (4) Improve the understanding of perioperative stroke; and (5) Discuss the most recent AHA-guidelines for perioperative cardiac care.

P-28 • 8:30 am - 10:00 am

SM,
PED, PA

SASM

OBSTRUCTIVE SLEEP APNEA IN CHILDREN AND ITS PERIOPERATIVE MANAGEMENT

Moderator: Kimmo Murto, MD, FRCPC, Assistant Professor of Anesthesiology, Department of Anesthesiology, Children's Hospital of Eastern Ontario, University of Ottawa, Ottawa, Ontario, Canada

- **Pathogenesis, Symptoms and Consequences of Childhood OSA**
Stacey L. Ishman, MD, MPH, FAAP, Associate Professor, Department of Otolaryngology, Head & Neck Surgery & Pulmonary Medicine, Cincinnati Children's Hospital Medical Center, University of Cincinnati, Cincinnati, Ohio
- **Current Available Guidelines for Perioperative Management of Children with OSA**
Vidya T. Raman, MD, FAAP, Assistant Professor of Anesthesiology, Pediatric Anesthesia and Pain Medicine, Nationwide Children's Hospital, The Ohio State University at Wexner Medical Center, Columbus, Ohio
- **Practical Considerations for the Perioperative Management of Children with OSA Undergoing Adenotonsillectomy and Other Unrelated Surgery**
Jerrold Lerman, MD, FRCPC, FANZCA, Professor of Anesthesiology, Women and Children's Hospital of Buffalo, SUNY at Buffalo and University of Rochester, New York

Learner Objectives: After participating in this activity, the learner will be able to: (1) Describe the pathophysiology, clinical presentation and health-related consequences of children suffering from OSA; (2) Identify useful published guidelines for the perioperative management of these children and recognize their limitations; (3) Realize the importance of implementing a perioperative OSA management guideline in their practice and identify reasons for the guideline to be opposed; and (4) Discuss why the administration of various anesthesia-related medications including opioids need to be modified in the presence of OSA and/or associated conditions.



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Moderated Poster Discussion Sessions



Moderated Poster Discussion Rounds

Saturday, March 21


9:00 am – 1:30 pm

Sunday, March 22

7:00 am – 1:30 pm

Monday, March 23

7:00 am – 1:30 pm





Moderated Poster Discussion Rounds • Saturday, March 21

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Learner Objectives: As a result of their participation in this educational activity learners will consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.



Subspecialty Physical Posters

Airway Management 1
Abstracts in Poster Discussion Round: S-1 – S-8
9:00 am – 10:30 am

PR01-01

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

S-1 EFFICACY OF V-GELTM SUPRA GLOTTIC AIRWAY OVER LARYNGEAL MASK AIRWAY FOR RABBIT AIRWAY MANAGEMENT

H. Makino¹, K. Hokamura², T. Kimura¹, S. Kawashima¹, T. Katoh¹, K. Umemura¹, S. Sato¹

¹Anesthesiology and Intensive Care, Hamamatsu University School of Medicine, Hamamatsu, Japan, ²Pharmacology, Hamamatsu University School of Medicine, Hamamatsu, Japan

S-2 SIMPLE, FAST AND EASY INSERTION TECHNIQUE OF THE PROSEAL LARYNGEAL MASK AIRWAY: SANDWICH TECHNIQUE HUMAN

M. Aoyagi

Anesthesia and Analgesia Service, Yoh Hospital for Primary Care, Chiba, Japan

S-3 BUDESONIDE SUSPENSION FOR INHALATION REDUCES RESPIRATORY SYMPTOMS AFTER ENDOTRACHEAL INTUBATION AMONG PATIENTS UNDERGOING GYNECOLOGICAL SURGERY: A RANDOMIZED CONTROLLED TRIAL

Y. Bai¹, T. Miller², L. Law³, T. Gan⁴

¹Department of Anesthesiology, Tangshan Maternal and Child Healthcare Hospital, H, Tangshan, China, ²Department of Anesthesiology, Duke, Durham, North Carolina, ³Department of Anesthesiology, Duke University, Durham, North Carolina, ⁴Department of Anesthesiology, Stony Brook University, Stony Brook, New York

S-4 USEFULNESS OF McGRATH® MAC VIDEO LARYNGOSCOPE FOR TRAINING JUNIOR RESIDENTS TO PERFECT ENDOTRACHEAL INTUBATION

W. Shirasaka, **K. Ikeshita**, M. Nomura, S. Toriyama, T. Yamashita, Y. Tani
Anesthesia, Yao Tokusuyukai General Hospital, Yao-shi, Osaka, Japan

S-5 McGRATH® VIDEOLARYNGOSCOPE INSERTION LENGTH FOR PEDIATRIC PATIENTS

M. Nishi

Anesthesia, Ishikawa Prefectural central hospital, Kanazawa, Japan

S-6 BIOMECHANICAL POSTURE ANALYSIS IN TRACHEAL INTUBATION PERFORMED BY NOVICE AND EXPERT ANESTHESIOLOGISTS

T. Kamiya¹, Y. Kasuya¹, M. Nagai¹, H. Ishii², M. Zecca³, A. Takanishi⁴, M. Ozaki¹

¹Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan, ²Research Institute for Science and Engineering, Waseda University, Tokyo, Japan, ³School of Electronic, Electrical and Systems Engineering, Loughborough University, Loughborough, United Kingdom, ⁴Faculty of Science and Engineering, Waseda University, Tokyo, Japan

S-7 OUTCOME OF ONE LUNG VENTILATION DURING MINIMALLY INVASIVE ESOPHAGECTOMY

P. Rahman

Anesthesiology, UC San Diego, San Diego, California

S-8 OUT OF OPERATING ROOM AIRWAY MANAGEMENT (OORAM); THE DEPARTMENT OF VETERANS AFFAIRS (VA) PROGRAM OF TRAINING AND CREDENTIALING OF PROVIDERS

T. M. Fuhrman, D. Jovanovic, J. Warren

Anesthesiology Service (123), Bay Pines VAHS, Bay Pines, Florida

Anesthetic Pharmacology 1
Abstracts in Poster Discussion Round: S-30 – S-34
9:00 am – 10:30 am

PR01-02

Poster Moderator: R. Whittington, MD, Columbia University, New York, New York

S-30 PENTAZOCINE INCREASES BISPECTRAL INDEX AND SPECTRAL EDGE FREQUENCIES 95% WITHOUT SURGICAL STIMULATION DURING NITROUS OXIDE-SEVOFLURANE ANESTHESIA AFTER INDUCTION WITH PROPOFOL

H. Nagasaka¹, T. Mieda², T. Nakamura¹, Y. Horikoshi¹, S. Nishizawa¹, Y. Ide¹, Y. Yamanishi³

¹Department of Anesthesiology, Saitama Medical University Hospital, Irumagun, Japan, ²Department of Anesthesiology, Saitama Medical University International Medical Center, Saitama, Japan, ³Division of Anesthesiology, Meikai University Hospital, Sakado, Japan



Moderated Poster Discussion Rounds • Saturday, March 21

Subspecialty Physical Posters

PR01-02, continued

S-31 COMPARISON OF RECOVERY TIME OF DESFLURANE ANESTHESIA WITH SEVOFLURANE ANESTHESIA DURING CONTINUOUS INFUSION OF REMIFENTANIL

S. Kobayashi, Y. Ishiyama, K. Tsuruno, S. Osato, N. Ishii, N. Maruyama, M. Morimoto

Department of Anesthesiology, Rinku General Medical Center, Izumisano, Osaka, Japan

S-32 SINGLE CELL ANALYSIS OF G PROTEIN-COUPLED RECEPTOR EXPRESSION AND TRAFFICKING TO INVESTIGATE DISEASE PATHOGENESIS

C. Hurt, T. Angelotti

Department of Anesthesiology and Perioperative Medicine, Stanford University, Stanford, California

S-33 THE INFLUENCE OF AGE ON SENSITIVITY TO DEXMEDETOMIDINE SEDATION DURING SPINAL ANESTHESIA IN LOWER LIMB ORTHOPEDIC SURGERY

Z. Li, B. Xu, W. Tu

Department of Anesthesiology, Guangzhou General Hospital of Guangzhou Military Command, Guangzhou Guangdong Province, China

S-34 CAPTOPRIL PRE-TREATMENT PRODUCES ADDITIVE CARDIOPROTECTIVE EFFECTS TO ISOFLURANE PRECONDITIONING IN ATTENUATING MYOCARDIAL ISCHEMIA REPERFUSION INJURY IN RABBITS AND IN HUMANS

H. Li¹, Y. Tian², P. Liu³, J. Xu⁴, M. Irwin¹, G. Tian, Z. Xia¹

¹Department of Anaesthesiology, The University of Hong Kong, Hong Kong, China, ²Department of Anaesthesiology, Haikou Municipal Hospital, Affiliated Haikou Hospital Xiangya School of Medicine Central South University, Haikou, China, ³Department of Anaesthesiology, Hainan Municipal Corps Hospital, Chinese People's Armed Police Force, Haikou, China, ⁴Department of Anaesthesiology, The Second XiangYa Hospital, Central South University, Changsha, China

Liver 1
Abstracts in Poster Round: S-154 – S-157
9:00 am – 10:30 am

PR01-03

Poster Moderator: M. Rice, MD, University of Florida, Gainesville, Florida

S-154 POSTCONDITIONING CONFERS HEPATIC PROTECTION VIA ACTIVATING NRF2 IN THE EARLY MINUTES OF REPERFUSION WHICH REQUIRES ADIPONECTIN IN MICE

H. Li, W. Yao, M. Irwin, Z. Xia

Department of Anaesthesiology, The University of Hong Kong, Hong Kong, China

S-155 MILRINONE-INDUCED LOW CENTRAL VENOUS PRESSURE IN LIVE LIVER DONORS: CENTRAL VENOUS PRESSURE-GUIDED VS STROKE VOLUME VARIATION-GUIDED TECHNIQUES

J. Lee¹, M. Hur¹, J. Lee², D. Kim³, C. Jung⁴

¹Anesthesiology and Pain Medicine, Seoul National University Hospital, Seoul, Republic of Korea, ²Anesthesiology and Pain Medicine, Seoul Metropolitan Government Boramae Medical Cent, Seoul, Republic of Korea, ³Anesthesiology and Pain Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea, ⁴Anesthesiology and Pain Medicine, Seoul National University Hospital, Seoul, Republic of Korea

S-156 SEVOFLURANE PRECONDITIONING AND POSTCONDITIONING AT CLINICALLY RELEVANT DOSES INDUCE PROTECTIVE EFFECTS ON HEPATIC ISCHEMIA REPERFUSION IN RATS

S. Shiraishi¹, S. Cho², I. Shibata¹, O. Yoshitomi³, T. Maekawa¹, T. Hara⁴

¹Anesthesiology, Nagasaki University Hospital, Nagasaki, Japan, ²Anesthesiology, Japanese Red Cross Society, Nagasaki Atomic Bomb H, Nagasaki, Japan, ³Anesthesiology, Nagasaki University School of Medicine, Nagasaki, Japan, ⁴Anesthesiology, Nagasaki University, Nagasaki, Japan

S-157 COMPARISON OF THE EFFECT OF PREOPERATIVE MELD AND MELD-NA SCORES ON OUTCOME AFTER LIVER TRANSPLANTATION

T. Lai, G. Wagener

Anesthesiology, Columbia University, New York, New York

Neuroscience in Anesthesiology and Perioperative Medicine 1
Abstracts in Poster Discussion Round: S-158 – S-165
9:00 am – 10:30 am

PR01-04

Poster Moderator: J. Charchafieh, MD, Yale University, New Haven, Connecticut

S-158 IMPACT OF INTRAVENOUS ACETAMINOPHEN ON EARLY POSTOPERATIVE PERIOD AFTER AWAKE CRANIOTOMY

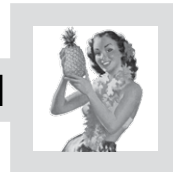
K. Kamata¹, N. Morioka¹, T. Maruyama², K. Hirooka¹, N. Komayama¹, Y. Muragaki², M. Ozaki¹

¹Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan, ²Neurosurgery, Tokyo Women's Medical University, Tokyo, Japan

S-159 PROPOFOL ANESTHESIA SHOWED NO EFFECT ON THE DOPAMINERGIC ACCELERATION INDUCED BY METHAMPHETAMINE AND NOMIFENSINE IN RAT STRIATUM – IN VIVO MICRODIALYSIS STUDY

Y. U. Adachi

Department of Emergency Medicine, Nagoya University Hospital, Nagoya, Japan



Subspecialty Physical Posters

PR01-04, continued

S-160 PROPOFOL INDUCES DEATH OF HUMAN OLIGODENDROCYTES DIFFERENTIATED FROM STEM CELLS

Y. Inagaki¹, Y. Liu¹, Y. Yan², D. Twaroski¹, Z. J. Bosnjak¹, X. Bai¹

¹Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ²Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-161 THE INFLUENCE OF VENTILATION STRATEGIES AND ANESTHETIC TECHNIQUES ON CEREBRAL OXYGENATION IN THE BEACH CHAIR POSITION: A PROSPECTIVE INTERVENTIONAL STUDY WITH A RANDOMIZED COMPARISON OF TWO ANESTHETIC REGIMENS

P. Picton¹, A. Dering¹, M. Neff¹, B. Miller², A. Shanks¹, M. Housey¹, G. A. Mashour¹

¹Anesthesiology, University of Michigan, Ann Arbor, Michigan, ²Orthopedic Surgery, University of Michigan, Ann Arbor, Michigan

S-162 ORAL REHYDRATION IMPROVES THIRST AND SATISFACTION AND HEALED PAIN-EVOKED ACTIVATION IN THE HUMAN BRAIN

Y. Ogino¹, K. Nakamura², S. Saito¹

¹Anesthesiology, Gunma University Graduate School of Medicine, Maebashi, Japan, ²Anesthesiology, Saiseikai-Hita Hospital, Hita, Japan

S-163 THE RELATIONSHIP BETWEEN AWAKE BISPECTRAL INDEX AND RECALL OF TRAVEL TO THE OPERATING ROOM

D. J. Blech¹, R. L. Wagner¹, M. D. Allain¹, X. Zheng¹, A. Evans², M. O'Connor², D. Glick²

¹Pritzker School of Medicine, University of Chicago, Chicago, Illinois, ²Anesthesia and Critical Care, University of Chicago, Chicago, Illinois

S-164 IMPACT OF SPINAL ANESTHESIA ON POSTOPERATIVE COGNITIVE DYSFUNCTION

R. Yasumura, H. Yoshioka, T. Sugiura, H. Yamazaki, K. Wada, Y. Kobayashi

Anesthesiology, National Hospital Organization Tokyo Medical Center, Tokyo, Japan

S-165 THE EFFECT OF PROPOFOL VERSUS ISOFLURANE ANESTHESIA ON HUMAN CSF MARKERS OF ALZHEIMER'S DISEASE AND INFLAMMATION: RESULTS OF A RANDOMIZED CONTROLLED TRIAL

M. Berger¹, J. Nadler², W. D. White¹, D. McDonagh¹, V. Ponnusamy³, M. L. James¹, J. Mathew¹

¹Anesthesiology, Duke University Medical Center, Durham, North Carolina, ²Anesthesiology, University of Rochester, Rochester, New York, ³Trinity College, Trinity College of Arts and Sciences, Duke University, Durham, North Carolina

Pain Medicine 1

Abstracts in Poster Discussion Round: S-221 – S-229

10:30 am – 12:00 pm

PR01-05

Poster Moderator: H. Benzon, MD, Northwestern University, Chicago, Illinois

S-221 PARAVERTEBRAL BLOCK FOR REFRACTORY PAIN DUE TO POSTHERPETIC NEURALGIA

T. Suzuki, Y. Kawai, M. Sugimoto

Morinomiy Hospital, Department of Anesthesia, Osaka, Japan

S-222 SAFETY AND ANALGESIC EFFICACY OF ULTRASOUND-GUIDED SUPRACLAVICULAR NERVE BLOCK IN NOVICE PROVIDERS: A RETROSPECTIVE ANALYSIS OF 300 CASES IN A TEACHING INSTITUTION

D. Nasir, E. Babar Melik, J. Howard, I. Gasanova, G. E. Hill, B. Ogunnaike, C. Whitten

Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-223 PREDICTIVE FACTORS FOR THE DEVELOPMENT OF COMPLEX REGIONAL PAIN SYNDROME TYPE I IN THE UPPER EXTREMITY: RESULTS FROM THE NATIONWIDE INPATIENT SAMPLE 2007-2011

A. Elsharydah, S. H. Hong, S. T. Krazit

Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-224 A SINGLE CENTER, RANDOMIZED, OPEN-LABEL TRIAL TO COMPARE THE SAFETY AND EFFICACY OF CALDOLOR USED SINGLY AND IN COMBINATION WITH OFIRMEV IN TOTAL KNEE OR HIP ARTHROPLASTY SURGERY PATIENTS

A. Gupta, K. Voralu

Anesthesiology, Pain Medicine, Drexel University College of Medicine, Philadelphia, Pennsylvania

S-225 INTRAOPERATIVE ACETAMINOPHEN FOR PEDIATRIC POST-TONSILLECTOMY PAIN RELIEF: A COMPARISON OF 2 SURGICAL TECHNIQUES

R. Ritchie¹, P. A. Sloan¹, A. Reddy¹, D. Chau², M. F. Lukens¹, S. Nimma¹

¹Anesthesiology, University of Kentucky, Lexington, Kentucky, ²Anesthesiology, Children's Hospital of the King's Daughters, Norfolk, Virginia

S-226 BAICALEIN ATTENUATES NEUROPATHIC PAIN AND IMPROVES SCIATIC NERVE FUNCTION RECOVERY IN THE PARTIAL SCIATIC NERVE-TRANSECTED RATS

C. Lu, Z. Wu

Anesthesiology, Tri-Service General Hospital, Taipei, Taiwan



Subspecialty Physical Posters

PR01-05, continued

S-228 COMPARISON OF A SINGLE DOSE OF INTRAVENOUS PARACETAMOL WITH SINGLE DOSE OF RECTAL INDOMETHACIN FOR PAIN MANAGEMENT AFTER OPEN SEPTORHINOPLASTY SURGERY

S. Dabir¹, T. Parsa², M. Abbasinazari³, Y. Parviz⁴

¹Anesthesiology and Pain Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of, ²Anesthesiology and Critical care, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of, ³Department of Clinical Pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Islamic Republic of, ⁴School of Pharmacy, Islamic Azad University, Tehran, Islamic Republic of Iran

S-229 EFFECT OF INTRAPERITONEAL ADMINISTERED RUBUS COREANUS ON HYPERALGESIA INDUCED BY REPEATED INTRAMUSCULAR INJECTION OF ACIDIC SALINE IN RATS

Y. Park¹, G. Choi¹, H. Kang¹, C. Baek¹, Y. Jung¹, S. Park²

¹Anesthesiology and Pain Medicine, Chung-Ang University Hospital, Seoul, Republic of Korea, ²Anesthesiology and Pain Medicine, Eulji University Medical Center, Daejeon, Republic of Korea

Patient Safety 1
Abstracts in Poster Discussion Round:
S-238 – S-239, S-241 – S-245
10:30 am – 12:00 pm

PR01-06

Moderator: N. Nussmeier, MD, Massachusetts General Hospital, Boston, Massachusetts

S-238 ELEVATED TROPONINS IN THE PERIOPERATIVE PERIOD INCIDENCE AND TIMING

G. Cuff¹, M. Bloom¹, R. Potosky¹, M. Bilbily¹, C. Singh¹, J. Huang², S. Jain¹

¹Anesthesiology, NYU School of Medicine, New York, New York,

²Information Technology, NYU School of Medicine, New York, New York

S-239 NOT MODERATE BUT MILD HYPOTENSION IS ALSO ABLE TO REDUCE BLOOD LOSS DURING SINGLE-LEVEL POSTEROLATERAL FUSION OF LUMBAR SPINE

H. Yogo

Anesthesiology, Tomishiro Central Hospital, Tomigusuku, Japan

S-241 INCREASED INCIDENCE OF CORNEAL ABRASIONS AFTER ROBOTIC SURGERY

P. Ranganathan, M. K. Ritchie, A. Attaallah, M. Bennett, K. Meyers, M. Vallejo

Anesthesiology, West Virginia University, Morgantown, WV.

S-242 THE VALIDITY OF FOUR PERIOPERATIVE SLEEP APNEA SCORE QUESTIONNAIRES FOR CHINESE PATIENTS

N. Lin¹, Y. Li², J. Ye², B. Zhang¹, T. Li¹

¹Anesthesiology, Beijing Tongren Hospital, Beijing, China,

²Otolaryngology Head and Neck surgery, Beijing Tongren Hospital, Beijing, China

S-243 COMPARATIVE EVALUATION OF ULTRASOUND GUIDED RIGHT INTERNAL JUGULAR VEIN CANNULATION USING DIFFERENT SIZE NEEDLE & GUARD GUIDED NEEDLE FOR SUCCESS, EASE AND COMPLICATION: A RANDOMIZED CONTROLLED TRIAL

D. Gupta, V. Arya, S. Srivastava

Anesthesiology, Sanjay Gandhi Post Graduate Institute of Medical SC, Lucknow, India

S-244 FACTORS ASSOCIATED WITH RAPID RESPONSE ESCALATION OF CARE

M. K. Stewart¹, C. Kiernan², L. M. Weavind¹

¹Anesthesiology and Critical Care Medicine, Vanderbilt University, Nashville, Tennessee, ²General Surgery, Vanderbilt University, Nashville, Tennessee

S-245 ARE SHORTER NPO TIMES FOR SPLIT-PREP COLONOSCOPIES "A BRIDGE TOO FAR"? A SURVEY OF ANESTHESIA RESIDENCY PROGRAMS

T. Jan, D. Hall

Anesthesia, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

Pediatric Anesthesiology 1
Abstracts in Poster Round: S-267 – S-274
10:30 am – 12:00 pm

PR01-07

Moderator: P. Ranganathan, MD, West Virginia University School of Medicine, Morgantown, West Virginia

S-267 REDUCING BLOOD LOSS AND TRANSFUSION REQUIREMENTS WITH EPSILON-AMINOCAPROIC ACID DURING CRANIOFACIAL RECONSTRUCTION SURGERY IN INFANTS AND CHILDREN

M. Thompson¹, C. Saadeh², J. Demke³

¹Anesthesiology, Covenant Children's Hospital, Lubbock, Texas,

²Medical School, Texas Tech University Health Sciences Center, Lubbock, Texas, ³Surgery, Texas Tech University Health Sciences Center, Lubbock, Texas



Subspecialty Physical Posters

PR01-07, continued

S-268 DIAGNOSTIC PERFORMANCE OF INDICES OF ADIPOSITY TO IDENTIFY CHILDREN WITH PERIOPERATIVE RESPIRATORY COMPLICATIONS

O. Nafu, H. Tuckwell

Anesthesiology, University of Michigan Health Systems, Ann Arbor, Michigan

S-269 KETAMINE AND DEXMEDETOMIDINE FOR PEDIATRIC SEDATION DURING CEREBRAL ANGIOGRAPHY

S. Obara, K. Ishibashi, R. Akutsu, N. Kuratani

Department of Anesthesia, Saitama Children's Medical Center, Saitama, Japan

S-270 EVIDENCE-BASED EMERGENCE AGITATION PREVENTION STRATEGIES: A SYSTEMATIC REVIEW OF THE LITERATURE

S. M. Yacouby

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

S-271 TAKING THE STING OUT OF PROPOFOL: A PROSPECTIVE OBSERVATIONAL STUDY OF PAIN EXPERIENCE IN CHILDREN DURING PROPOFOL ADMINISTRATION

T. Chambers-Little¹, S. Nair¹, M. Kahana¹, N. Shaparin¹, L. Singer²

¹Anesthesiology, Albert Einstein College of Medicine/Montefiore Med, Bronx, New York, ²Pediatric Critical Care, Albert Einstein College of Medicine/Montefiore Med, Bronx, New York

S-272 AN ANALYSIS OF 35,000 PEDIATRIC OUTPATIENT CONTROLLED SUBSTANCE PRESCRIPTIONS

M. Yaster, P. S. Park, E. White, B. H. Lee

Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, Maryland

S-273 QUANTITATIVE PUPILLOMETRY AS A BEDSIDE PREDICTOR OF POSTOPERATIVE RESPIRATORY DEPRESSION IN CHILDREN

S. Sadhasivam¹, R. Venkatasubramanian¹, X. Zhang², L. Ding³, A. Vinks⁴

¹Anesthesia, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, ²Human Genetics, Cincinnati Children's Hospital, Cincinnati, Ohio, ³Epidemiology and Biostatistics, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, ⁴Clinical Pharmacology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

S-274 ABCC3 GENOTYPES ARE ASSOCIATED WITH RESPIRATORY DEPRESSION, PONV AND MORPHINE'S PHARMACOKINETIC VARIATIONS IN CHILDREN

S. Sadhasivam¹, R. Venkatasubramanian¹, X. Zhang², V. Chidambaran¹, A. Vinks³

¹Anesthesia, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, ²Human Genetics, Cincinnati Children's Hospital, Cincinnati, Ohio, ³Clinical Pharmacology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

Ambulatory Anesthesia 1

Abstracts in Poster Discussion Round: S-21 – S-28

12:00 pm – 1:30 pm

PR01-08

Moderator: G. Joshi, MB, BS, MD, FFARCSI, University of Texas Southwestern Medical Center, Dallas, Texas

S-21 USE OF ANTIEMETIC DRUGS FOR POSTOPERATIVE NAUSEA AND VOMITING CONTROL FOLLOWING LAPAROSCOPIC CHOLECYSTECTOMY SURGERY

M. Elhakim¹, D. Mohamed

¹Anesthesiology, King Abdulaziz University, Jeddah, Saudi Arabia, ²Anesthesiology, Alexandria university, Alexandria, Egypt

S-22 INCIDENCES OF UNPLANNED ADMISSIONS FROM AN OUTPATIENT ORTHOPEDIC SURGERY CENTER

G. Cuff¹, J. Bosco², M. Day²

¹Anesthesiology, NYU School of Medicine, New York, New York, ²Orthopedic Surgery, NYU School of Medicine, New York, New York

S-23 PARAVERTEBRAL BLOCK FOR INGUINAL HERNIORRHAPHY: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

L. Law¹, M. Tan¹, Y. Bai¹, T. Miller¹, T. Gan²

¹Anesthesiology, Duke University, Durham, North Carolina, ²Anesthesiology, Stony Brook University, Stony Brook, New York

S-24 THE EFFECTS OF MAGNESIUM SULFATE ON THE ONSET TIME AND DURATION OF LOW-DOSE ROCURONIUM

B. Kim, E. Choi, S. Do

Anesthesiology and Pain Medicine, Seoul National University Bundang Hospital, Gyeonggi-do, Republic of Korea

S-25 IMPACT OF THE IMPLEMENTATION OF A PONV MANAGEMENT GUIDELINE

E. Zarate, J. Rueda

Anesthesiology, Clinicas Colsanitas, Bogota, Colombia

S-26 ANESTHETIC MANAGEMENT OF PATIENTS WITH HEREDITARY HEMORRHAGIC TELANGIECTASIA: A RETROSPECTIVE ANALYSIS FROM AN ACADEMIC REFERRAL CENTER

V. Kumar, S. Dwarakanath, S. Bahadur, M. R. Castresana

Anesthesiology, Georgia Regents University, Augusta, Georgia

S-27 COMPARISON OF REMIFENTANIL WITH FENTANYL/MIDAZOLAM FOR MODERATE SEDATION FOR CLOSED REDUCTION OF ANTERIOR SHOULDER DISLOCATION IN ADULTS IN THE ED: A RANDOMIZED CONTROLLED TRIAL

M. Gharavifard, A. Tafakori

Anesthesia, Dr. Sheikh Children Hospital, Mashhad, Islamic Republic of Iran



Subspecialty Physical Posters

PR01-08, continued

S-28 EFFECT OF THE TIMING OF HALOPERIDOL ADMINISTRATION AT DIFFERENT DOSES ON POSTOPERATIVE NAUSEA AND VOMITING

E. Zarate, J. Botero, J. Guevara, I. Moreno, I. Alarcon, E. Cuevas
Anesthesiology, Clinicas Colsonitas, Bogota, Colombia

S-60 HEMODYNAMIC CHANGES INDUCED BY CONTINUOUS CUIRASS NEGATIVE PRESSURE IN PATIENTS WITH FONTAN CIRCULATION

N. Katori, Y. Kakinuma, H. Morisaki
Anesthesiology, Keio University, Tokyo, Japan

S-61 THE INFLUENCE OF BRACHIAL-ANKLE PULSE WAVE VELOCITY ON ACUTE KIDNEY INJURY AFTER CARDIAC SURGERY

K. Sato, Y. Seino, S. Sakuma, S. Yokokawa, S. Kurokawa, M. Ozaki
Department of Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan

S-62 NUMEROUS ARTERIAL GAS EMBOLI OCCUR DURING CLOSED-CIRCUIT EXTRACORPOREAL MEMBRANE OXYGENATION

Y. Jiao¹, K. Gipson², J. Gross³, R. B. Schonberger⁴
¹Department of Anesthesiology, University of Connecticut, Hartford, Connecticut, ²Department of Anesthesiology, University of Connecticut, Wallingford, Connecticut, ³Department of Anesthesiology, University of Connecticut, Farmington, Connecticut, ⁴Department of Anesthesiology, Yale University, New Haven, Connecticut

Cardiovascular Anesthesiology 1

Abstracts in Poster Discussion Round: S-55 – S-58, S-60 – S-62

12:00 pm – 1:30 pm

PR01-09

Moderator: J. Mitchell, MD, Beth Israel Medical Center, Boston, Massachusetts

S-55 A RETROSPECTIVE CHART ANALYSIS OF PATIENTS UNDERGOING TRANSMYOCARDIAL LASER REVASCULARIZATION - A GEORGIA REGENTS UNIVERSITY EXPERIENCE

S. Agarwal, S. Bahadur, M. R. Castresana
Anesthesiology and Perioperative Medicine, Georgia Regents University, Augusta, Georgia

S-56 A SUCCESSFUL CASE OF CONVENTIONAL TREATMENT FOR SYSTOLIC ANTERIOR MOTION WITHOUT LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION FOLLOWING MITRAL VALVE PLASTY

J. Ichikawa, M. Kodaka, K. Okamura, M. Komori
Anesthesiology, Tokyo Women's Medical University Medical Center East, Tokyo, Japan.

S-57 THE IMPLICATIONS OF PREOPERATIVE BETA BLOCKERS IN CARDIAC SURGERY PATIENTS WITH INTRAOPERATIVE BLOOD TRANSFUSION

V. J. Orhurhu¹, K. Owais², E. Akintoye¹, J. D. Mitchell², F. Mahmood², R. Matyal²
¹Epidemiology and Biostatistics, Quantitative Methods, Harvard School of Public Health, Boston, Massachusetts, ²Anesthesia Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-58 THE ASSOCIATION BETWEEN MILD ANEMIA AND POSTOPERATIVE OUTCOMES IN CARDIAC SURGERY PATIENTS WITHOUT BLOOD TRANSFUSION

V. J. Orhurhu¹, K. Owais², E. Akintoye¹, J. Mitchell², F. Mahmood², R. Matyal²
¹Epidemiology and Biostatistics, Quantitative Methods, Harvard School of Public Health, Boston, Massachusetts, ²Anesthesia Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Obstetric Anesthesiology 1

Abstracts in Poster Discussion Round: S-197 – S-202

12:00 pm – 1:30 pm

PR01-10

Moderator: C. Wong, MD, Northwestern University, Chicago, Illinois

S-197 CRYSTALLOID VERSUS COLLOID COLOAD WITH PHENYLEPHRINE INFUSION DURING SPINAL ANAESTHESIA FOR ELECTIVE CAESAREAN DELIVERY: THE EFFECTS ON MATERNAL HAEMODYNAMICS AND FOETAL ACID-BASE STATUS

V. Rewari¹, D. Singhal², R. Ramachandran¹, A. Trikha¹, Chandralekha¹, N. Singh³
¹Department of Anaesthesiology, All India Institute of Medical Sciences, New Delhi, India, ²Department of Anaesthesiology, Medical Hospital Pvt. Ltd., Birtamode, Jhapa, Nepal, ³Department of Obstetrics and Gynaecology, All India Institute of Medical Sciences, New Delhi, India

S-198 A PROSPECTIVE STUDY OF CORRELATION BETWEEN MULTI-ORIFICE EPIDURAL CATHETER DEVIATION AND UNILATERAL BLOCK IN POST-CESAREAN ANALGESIA AFTER USING A NEW PCA PUMP

S. Irikoma
Anesthesiology, Seirei Hamamatsu General Hospital, Hamamatsu, Japan



Subspecialty Physical Posters

PR01-10, continued

S-199 DICLOFENAC SUPPOSITORY IS EQUALLY EFFECTIVE COMPARED WITH AN OPIOID-FREE EPIDURAL ANALGESIA FOR PAIN RELIEF AFTER CAESAREAN SECTION: PRELIMINARY RESULTS OF PROSPECTIVE RANDOMIZED STUDY

M. Takamatsu¹, Y. Imao¹, K. Bamba¹, Y. Kamiya¹, H. Baba²

¹Anesthesiology, Niigata University Medical and Dental Hospital, Niigata, Japan, ²Anesthesiology, Niigata University, Niigata, Japan

S-200 WHY DID IT TAKE THAT LONG? A STUDY OF FACTORS INFLUENCING CESAREAN DELIVERY TIMES

M. Meng¹, A. Gonzalez², R. Smiley¹

¹Anesthesiology, Columbia University, New York, New York, ²Anesthesiology, UMDNJ-Anesthesiology, Newark, New Jersey

S-201 RACIAL DISPARITIES IN MORBIDITY AND MORTALITY AMONG PARTURIENTS WITH PREECLAMPSIA AND ECLAMPSIA: AN ANALYSIS OF THE NATIONWIDE INPATIENT SAMPLE

J. Nizamuddin¹, S. Rana², S. Shahul¹

¹Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Brookline, Massachusetts, ²Section of Maternal-Fetal Medicine, Department of Obstetrics and Gynecology, The University of Chicago School of Medicine, Chicago, Illinois

S-202 IMPACT OF ANESTHETIC MODES ON VENOUS THROMBOEMBOLISM IN WOMEN RECEIVING CAESAREAN SECTION: A POPULATION-BASED STUDY

P. Tsai¹, C. Huang²

¹College of Nursing, Taipei Medical University, Taipei, Taiwan, ²Department of Anesthesiology, Taipei Tzu Chi Hospital, New Taipei City, Taiwan

Pain Mechanisms 1

Abstracts in Poster Discussion Round: S-209 – S-214

12:00 pm – 1:30 pm

PR01-11

Moderator: M. Yokoyama, MD, Kochi Medical School, Nankoku, Japan

S-209 THE ROLE OF CAFFEINE ON NEUROPATHIC PAIN AND THE EFFICACY OF GABAPENTIN IN RATS

Y. Zhang, Y. Huang, L. Shen

Anesthesiology, Peking Union Medical College Hospital, Beijing, China

S-210 GLUTAMATE TRANSPORTER -1 IPLAYS AN IMPORTANT ROLE IN THE DEVELOPMENT OF MIRROR IMAGE PAIN IN THE SPARED NERVE INJURY MODEL IN RATS

M. Kinoshita, Y. Matsuoka, R. Kaku, A. Taniguchi, H. Omiya, N. Muto, H. Morimatsu

Department of Anesthesiology and Resuscitology, Okayama University Graduate School of Medicine, Okayama, Japan

S-211 UP-REGULATION OF TRPA1 AND TRPM8 CHANNEL IN DORSAL ROOT GANGLIA IN A RAT MODEL OF BONE CANCER PAIN

L. Xu, Y. Jiang

Anesthesiology, PLA general hospital, Beijing, China

S-212 D1R AGONIST SKF-38393 ACTIVATES TRPV1 CHANNEL IN MICE DRG NEUONS

S. Jung

Physiology, Medical School, Hanyang University, Seoul, Republic of Korea

S-213 CHARACTERIZATION OF NEURONS EXPRESSING DELTA AND MU OPIOID RECEPTORS IN DESCENDING PAIN CONTROL CIRCUITRY IN MICE

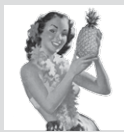
S. A. Low, J. J. Peters, G. Scherrer

Anesthesia, Stanford University, Palo Alto, California

S-214 THE EFFECT OF LOW-FREQUENCY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION ON POSTOPERATIVE PAIN RELIEF IN SKIN/MUSCLE INCISION AND RETRACTION-INDUCED RATS

G. Chen, C. Hung

Physical Therapy, National Cheng Kung University (NCKU), Tainan, Taiwan



Moderated Poster Discussion Rounds • Saturday, March 21

Medically Challenging Cases ePosters

Medically Challenging Cases 1
Abstracts in Poster Discussion Round: MC-1 – MC-2, MC-4
9:00 am – 10:30 am Monitor 1

MCC01-01

Moderator: S. Pai, MD, Mayo Clinic Florida, Jacksonville, Florida

MC-1 A SIMPLE NASAL CPAP MASK ASSEMBLY MAINTAINED SPONTANEOUS RESPIRATION AND IMPROVED OXYGENATION IN A MORBIDLY OBESE PATIENT WITH SEVERE MYASTHENIA GRAVIS AND OSA DURING OUTPATIENT EGD/COLONOSCOPY

B. Veksler, C. Anim, L. Nelson-Lane, J. T. Denny, S. Barsoum, A. Doucette, J. Tse
Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MC-2 SURVIVING MALIGNANT HYPERTHERMIA AT AN AMBULATORY SURGERY CENTER

S. Noel, T. Krzanowski, D. Na shed, C. Pamaar
Anesthesiology, Saint Barnabas Medical Center, Livingston, New Jersey

MC-4 ICU MANAGEMENT OF A LEFT ATRIAL INTRAMURAL HEMATOMA

H. Bangalore Siddaiah¹, E. Garazi¹, D. Cabeza², S. Quinn¹, R. Yang³, G. Srikanthan⁴, R. Martinez-Ruiz⁴

¹Anesthesiology Critical Care, Jackson Memorial Hospital, Miami, Florida, ²Anesthesiology Critical Care, University of Miami/Jackson Memorial Hospital, Miami, Florida, ³Anesthesiology, University of Miami/Jackson Memorial Hospital, Miami, Florida, ⁴Anesthesiology Critical Care, University of Miami/Jackson Memorial Hospital, Miami, Florida

Medically Challenging Cases 2
Abstracts in Poster Discussion Round: MC-5 – MC-8
9:00 am – 10:30 am Monitor 2

MCC01-02

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

MC-5 RENAL TRANSPLANTATION FOR THE PATIENT WITH SEVERELY REDUCED CARDIAC FUNCTION

M. Nishimoto, K. Wada, T. Uno, N. Nakaigawa, Y. Osawa, M. Ozaki
Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan

MC-6 ANAESTHESIA MANAGEMENT FOR "ANOMALOUS ORIGIN OF LEFT CORONARY ARTERY FROM PULMONARY ARTERY" REPAIR

K. Gupta

Anesthesia, Safdarjung Hospital & Vardhaman Mahavir Medical Co., Delhi, India

MC-7 UNDIAGNOSED PHEOCHROMOCYTOMA PRESENTING AS CARDIAC SHOCK, A CASE REPORT

R. M. Sloan, J. W. Steyn, J. Dorfling

Department of Anesthesiology, University of Kentucky, Lexington, Kentucky

MC-8 EMERGENT NEO-AORTOILIAC SYSTEM FOR INFECTED AORTIC STENT: INTRAOPERATIVE ANESTHETIC CHALLENGES

T. F. Hsu¹, I. Gasanova², G. P. Joshi³

¹Anesthesiology and Pain Management, Parkland Health and Hospital System, UT Southwestern, Dallas, Texas, ²Department of Anesthesiology, UT Southwestern Medical Center, Dallas, Texas, ³Department of Anesthesiology, University of Texas Southwestern Medical Center, Dallas, Texas

Medically Challenging Cases 3
Abstracts in Poster Discussion Round: MC-9 – MC-14
9:00 am – 10:30 am Monitor 3

MCC01-03

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

MC-9 BRACHIAL PLEXUS BLOCK FOR TREATMENT OF ACUTE CRPS TYPE I IN PREVIOUSLY UNAFFECTED LIMB: DOES EARLY INTERVENTION PREVENT EVOLUTION OF SYMPTOMS?

B. R. Esenther, A. Dizdarevic

Department of Anesthesiology, Columbia University Medical Center, New York, New York

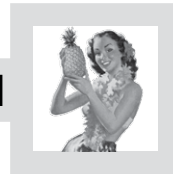
MC-10 CENTRAL SPREAD OF INTERCOSTAL NERVE BLOCK

K. V. Hoang¹, G. Morris¹, D. I. Smith²

¹Anesthesiology, University of Rochester, Rochester, New York, ²Anesthesiology, University of Rochester School of Medicine, Rochester, New York

MC-11 ULTRASOUND-ASSISTED PERCUTANEOUS NUCLEOTOMY IN PATIENT WITH CERVICAL HERNIATED DISC: A CASE REPORT

K. Arakawa, S. Ishikawa, M. Kinoshita, H. Nishie, H. Morimatsu
Anesthesiology, Okayama University Hospital, Okayama, Japan



Medically Challenging Cases ePosters

MC-12 IMMEDIATE COMPLETE AND SUSTAINED RESOLUTION OF RECALCITRANT SEVERE CERVICAL SPINE RADICULAR MYOFASCIAL TRIGGER POINTS FOLLOWING GENERAL ANESTHESIA: A CASE REPORT

N. Kesireddy¹, C. Andrews², J. Yokley³

¹Medical Sciences, University of Toledo, Liberty Township, Ohio, ²Department of Anesthesia, Walter Reed National Military Medical Center, Bethesda, Maryland, ³Anesthesia, San Antonio Military Medical Center, San Antonio, Texas

MC-13 USE OF LIPOSOMAL BUPIVACAINE (EXPAREL) FOR REDUCTION IN THE USE OF NARCOTICS IN AN OBESE PATIENT UNDERGOING MODIFIED RADICAL MASTECTOMY WITH AXILLARY LYMPH NODE DISSECTION

C. Keilin¹, E. P. Salant¹, C. Andaz², D. E. Feierman¹

¹Anesthesiology, Maimonides Medical Center, Brooklyn, New York, ²Surgery, Maimonides Medical Center, Brooklyn, New York

MC-14 INADVERTENT EPIDURAL INFUSION OF HIGH DOSE PHENYLEPHRINE IN A POST-THORACOTOMY PATIENT

A. Pekurovsky

Anesthesiology, New York Presbyterian – Columbia University Medical, New York, New York

Medically Challenging Cases 4

Abstracts in Poster Discussion Round: MC-15 – MC-19
10:30 am - 12:00 pm Monitor 1

MCC01-04

Poster Moderator: R. Blank, MD, PhD, University of Virginia School of Medicine, Charlottesville, Virginia

MC-15 ANTERIOR MEDIASTINAL MASS AND TRACHEOESOPHAGEAL FISTULA SECONDARY TO INDUCTION CHEMOTHERAPY

Z. A. Turnbull¹, D. Bracken², A. Afonso³

¹Anesthesiology, Weill Cornell Medical College, New York, New York, ²Anesthesiology, NYPH - Weill Cornell Medical Center, New York, New York, ³Anesthesiology, Memorial Sloan Kettering Cancer Center, New York, New York

MC-16 POSTOPERATIVE TRACHEOMALACIA IN AN ADULT PATIENT WITH A DOUBLE AORTIC ARCH

A. Hamada, N. Hamada, T. Namba

Anesthesia Department, Kochi Health Sciences Center, Kochi City, Japan

MC-17 RARE CAUSE OF ETCO2 LOSS DURING SITTING CRANIOTOMY

S. Rashid, D. T. Maduram, N. Saraiya, M. Hache

Anesthesiology, Columbia University / New York Presbyterian Hospital, New York, New York

MC-18 TRACHEAL INTUBATION UNDER MANUAL JET VENTILATION WITH AIRWAY EXCHANGE CATHETER FOR TRACHEAL OBSTRUCTION

N. Katsumi, K. Fujimoto, A. Tomita

Anesthesiology, Hokkaido Medical Center, Sapporo, Japan

MC-19 AIRWAY IMPLICATIONS IN STURGE-WEBER SYNDROME WITH FACIAL AND NECK HEMIHYPERTROPHY AND VASCULAR MALFORMATIONS

Y. Low, B. A. Rogers, C. M. Kuhn

Anesthesiology, Duke University Health System, Durham, North Carolina

Medically Challenging Cases 5

Abstracts in Poster Discussion Round: MC-20 – MC-22
10:30 am – 12:00 pm Monitor 2

MCC01-05

Poster Moderator: S. Wilson, MD, Medical University of South Carolina, Charleston, South Carolina

MC-20 USE OF A NOVEL ANESTHETIC AGENT COMBINATION FOR GENERAL ANESTHESIA IN PATIENT WITH MITOCHONDRIAL MYOPATHY, ENCEPHALOPATHY, LACTIC ACIDOSIS AND STROKE SYNDROME SNIGDHA ANCHA MD, ANITA GUPTA DO, PHARMD, NAGARAJ LINGARAJU MD

S. Ancha¹, A. Gupta², N. Lingaraju¹

¹Anesthesiology, Drexel University College of Medicine, Philadelphia, Pennsylvania, ²Anesthesiology, Drexel University College of Medicine, Philadelphia, Pennsylvania

MC-21 AN INTARRESTING INDUCTION: LIDOCAINE + SICK SINUS SYNDROME

J. D. White

Anesthesiology, University of Florida, Gainesville, Florida

MC-22 METHEMOGLOBINEMIA DIAGNOSIS AND MANAGEMENT USING CONTINUOUS HEMOGLOBIN PULSE OXIMETER IN A CHILD UNDERGOING OSTEOSARCOMA RESECTION

A. Attaallah, E. Olness, P. Ranganathan, M. C. Vallejo

Anesthesiology, West Virginia University, Morgantown, West Virginia



Moderated Poster Discussion Rounds • Saturday, March 21

Medically Challenging Cases ePosters

Medically Challenging Cases 6

Abstracts in Poster Discussion Round: MC-23 – MC-26

10:30 am – 12:00 pm Monitor 3

MCC01-06

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

MC-23 A SIMPLE NASAL CPAP MASK ASSEMBLY MAINTAINED SPONTANEOUS VENTILATION AND PREVENTED DESATURATION IN AN OBESE OSA PATIENT WITH LVAD DURING EGD/COLONOSCOPY

J. Tse, J. Cowell, N. Grayer, L. Nelson-Lane, J. Denny, A. Nicholas, S. Barsoum
Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MC-24 ECMO AS RESCUE THERAPY FOR SUICIDAL POLYPHARMACY OVERDOSE

V. Kumar, S. Puri, M. R. Castresana
Anesthesiology, Georgia Regents University, Augusta, Georgia

MC-25 PERIOPERATIVE COMPLICATIONS IN A SUPER MORBIDLY OBESE PATIENT UNDERGOING CARDIAC SURGERY

J. Louro, A. M. Gaffney
Anesthesiology, Critical Care Medicine, Columbia University Medical Center/ NYP Hospital, New York, New York

MC-26 A TECHNIQUE TO ALLOW PRONE-POSITION SPINE SURGERY IN THE PATIENT WITH UNSTABLE SPINE FRACTURE AND FLAIL-SEGMENT RIB FRACTURES

M. W. Pennington¹, R. Bransford², A. Dagal³
¹Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington, ²Orthopaedics and Sports Medicine, University of Washington, Seattle, Washington, ³Anesthesiology and Pain Medicine, University of Washington, UW, Seattle, Washington

Medically Challenging Cases 7

Abstracts in Poster Discussion Round: MC-27 – MC-31

12:00 pm – 1:30 pm Monitor 1

MCC01-07

Poster Moderator: A. Dizdarevic, MD, *Columbia University Medical Center, New York, New York*

MC-27 SUCCESSFUL RESCUE PAIN MANAGEMENT FOR HALLUX VALGUS CORRECTION USING A SELECTIVE POSTERIOR TIBIAL NERVE BLOCK FOR EXTENDED PAIN RELIEF

K. Vivek¹, J. J. Gonzalez²
¹Anesthesiology, Albert Einstein College of Medicine/Montefiore Med, New York, New York, ²Anesthesiology, Cleveland Clinic, Cleveland, Ohio

MC-28 AWAKE CAROTID ENDARTERECTOMY IN AN OBESE PATIENT WITH OBSTRUCTIVE SLEEP APNEA

K. Vivek¹, J. J. Gonzalez²
¹Anesthesiology, Albert Einstein College of Medicine/Montefiore Med, New York, New York, ²Anesthesiology, Cleveland Clinic, Cleveland, Ohio

MC-29 MEDICALLY CHALLENGING CASE: THE NEW HEARING AID - BLOOD PATCH CURE FOR HEARING LOSS

T. Tran, H. Lee, R. Raghavan
Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, Maryland

MC-30 POST-OPERATIVE PARAPLEGIA FOLLOWING CONTINUOUS EPIDURAL INFUSION OF LEVOBUPIVACAINE

I. Kondo, J. Takahashi, T. Hascilowicz
Anesthesiology, Jikei University Hospital, Tokyo, Japan

MC-31 SINGLE SHOT OF ROPIVACAINE, DEXAMETHASONE, LIDOCAINE AND EPINEPHRINE GIVEN INTO THE EPIDURAL SPACE AS SOLE ANESTHESIA FOR LUMBAR LAMINECTOMY SURGERY: A CASE REPORT

R. K. Banik¹, J. J. Gonzalez²
¹Anesthesiology, Montefiore Medical Center, Bronx, New York, ²Anesthesia, Cleveland Clinic, Cleveland, Ohio



Medically Challenging Cases ePosters

Medically Challenging Cases 8
Abstracts in Poster Discussion Round: MC-32 – MC-36
12:00 pm – 1:30 pm Monitor 2

MCC01-08

Poster Moderator: A. Attaallah, MD, PhD, West Virginia University School of Medicine, Morgantown, West Virginia

MC-32 ULTRASOUND ASSESSMENT OF GASTRIC CONTENT FOR THE PATIENT WITH PYLORIC STENOSIS : A CASE REPORT

T. Sasakawa¹, A. Suzuki², H. Tanaka¹, H. Iwasaki¹

¹Anesthesiology and Critical Care Medicine, Asahikawa Medical University, Asahikawa, Japan, ²Anesthesiology and Critical Care Medicine, Asahikawa Medical University, Asahikawa, Hokkaido, Japan

MC-33 POSTOPERATIVE STROKE IN A PATIENT WITH MOYAMOYA DISEASE

T. Aina

Anesthesiology, Boston Children's Hospital, Boston, Massachusetts

MC-34 NEGATIVE PRESSURE PULMONARY EDEMA ON EXTUBATION OF A 9 MONTH OLD BABY BOY

K. Svigos, E. P. Salant, A. Miller, D. E. Feerman

Anesthesiology, Maimonides Medical Center, Brooklyn, New York

MC-35 PALLISTER-KILLIAN SYNDROME WITH A TRACH, WHAT COULD GO WRONG?

J. J. Lee¹, M. Chung¹, L. Tran²

¹Anesthesia, CHLA, Los Angeles, California, ²Anesthesia, Children's Hospital Los Angeles, Los Angeles, California

MC-36 A CUSTOMIZED PERIOPERATIVE CARE PLAN FOR A PATIENT WITH TYPE 1A GLYCOGEN STORAGE DISEASE UNDERGOING ELECTIVE SURGERY

R. Wolk¹, S. Lei²

¹Department of Anesthesiology, Columbia University Medical Center, New York, New York, ²Anesthesiology, Columbia University Medical Center, New York, New York

Medically Challenging Cases 9
Abstracts in Poster Discussion Round: MC-37– MC-40
12:00 pm – 1:30 pm Monitor 3

MCC01-09

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

MC-37 AN ALTERNATIVE APPROACH TO ANESTHESIA FOR ELBOW SURGERY IN A DELIRIOUS PATIENT WITH PSYCHIATRIC ILLNESS

A. Hulme, I. Hilmi, P. Yeh

Anesthesia, UPMC, Pittsburgh, Pennsylvania

MC-38 LESS IS MORE: THE ANESTHETIC IMPLICATIONS OF CYTOCHROME C OXIDASE DEFICIENCY

J. Tsai, S. Crandall, S. Yazdani

Anesthesiology, Texas Tech University, Lubbock, Texas

MC-39 NONCARDIAC SURGERY IN CLOSE PROXIMITY TO PACEMAKER

M. Roche, A. Sabouri

Anesthesia, Massachusetts General Hospital, Boston, Massachusetts

MC-40 ANESTHETIC EXPERIENCE OF RENAL TRANSPLANT SURGERY IN PATIENTS WITH UREMIC CARDIOMYOPATHY

K. Sugimoto

Anesthesia And Intensive Care, Japanese Red Cross Nagoya Daini Hospital, Nagoya, Japan



Moderated Poster Discussion Rounds • Saturday, March 21

Resident ePosters

Medically Challenging Case Reports 1
Abstracts in Poster Discussion Round: S-435 – S-441
9:00 am - 10:30 am Monitor 4

RES01-01

Poster Moderator: A. Dizdarevic, MD, Columbia University Medical Center, New York, New York

S-435 DESATURATION CICV AFTER GENERAL ANESTHESIA INDUCTION WITH POST OPERATION OF INTRAORAL RESTRUCTURING

A. Tomita, N. Katsumi, K. Fujimoto
Anesthesiology, Hokkaido Medical Hospital, Sapporo, Japan

S-436 SUCCESSFUL TREATMENT OF SPONTANEOUS CEREBROSPINAL LEAK HEADACHE WITH EPIDURAL BLOOD PATCH

C. Schwab¹, K. Macaluso²
¹Anesthesiology, The Ohio State University Wexner Medical Center, Columbus, Ohio, ²Anesthesiology, Ohio State University, Dublin, Ohio

S-437 LOCAL ADMINISTRATION OF METHYLERGONOVINE CAUSED SKIN ISCHEMIC REACTION DURING A CESAREAN SECTION-THREE CASES REPORT

S. Hoang¹, H. Li¹, R. B. Vadhera²
¹Anesthesiology, The University of Texas Med Branch, Galveston, Texas, ²Anesthesia, University of Texas Medical Branch, Galveston, Texas

S-438 MANAGEMENT OF MASSIVE AIR EMBOLISM WITH THERAPEUTIC HYPOTHERMIA

V. Kumar, T. L. Evans, S. Dwarakanath, M. R. Castresana
Anesthesiology, Georgia Regents University, Augusta, Georgia

S-439 CORONARY ARTERY THROMBOSIS IMMEDIATELY AFTER CORONARY BYPASS GRAFT SURGERY IN A PATIENT WITH UNDIAGNOSED FACTOR V LEIDEN

V. Gaffney, V. Kumar, T. L. Evans, S. Dwarakanath
Anesthesiology, Georgia Regents University, Augusta, Georgia

S-440 POSTOPERATIVE RHABDOMYOLYSIS: EASY DIAGNOSIS, UNCLEAR ETIOLOGY

A. R. Vera, H. Murad, R. Yang, M. Cobas
Department of Anesthesiology, University of Miami / Jackson Memorial Hospital, Miami, Florida

S-441 ECMO IN THE ICU AS A THERAPY FOR TRALI

H. Murad¹, A. R. Vera², M. Cobas³
¹Critical Care, University of Miami, Miami, Florida, ²Anesthesia, University of Miami / Jackson Memorial Hospital, Miami Beach, Florida, ³Critical Care/Anesthesia, University of Miami / Jackson Memorial Hospital, Miami, Florida

Ambulatory Anesthesia 1 & Patient Safety 1
Abstracts in Poster Discussion Round: S-403, S-502 – S-506
9:00 am – 10:30 am Monitor 5

RES01-02

Poster Moderator: G. Hall, MB, BS, PhD, DSc, St. George's, University of London, London, United Kingdom

S-403 TRENDS IN THE PROVISION OF ANESTHESIA FOR CATARACT SURGERY IN THE UNITED STATES AMBULATORY SETTING

I. Rabizadeh¹, N. Godwin², G. Munguba³, N. Landy², J. Banta⁴, D. Landy⁵, K. E. Fischler²
¹Anesthesiology, University of Miami, Miller School of Medicine, Miami, Florida, ²Anesthesiology, University of Miami/Jackson Memorial Hospital, Miami, Florida, ³Miller School of Medicine, University of Miami/Jackson Memorial Hospital, Miami, Florida, ⁴Ophthalmology, Bascom Palmer Eye Institute, Miami, Florida, ⁵Orthopedic Surgery, University of Chicago Medical Center, Chicago, Illinois

S-504 NASOTRACHEAL SUCTIONING POLICIES AND PROCEDURES: A SURVEY OF LEAPFROG 2012-TOP HOSPITALS

B. M. Owens¹, L. Felts¹, B. Silkey², S. Toy¹, J. Walker¹
¹Anesthesiology, University of Kansas School of Medicine - Wichita, Wichita, Kansas, ²Research, Via Christi Hospitals Wichita, Inc., Wichita, Kansas

S-505 THE INCIDENCE OF CORING AND FRAGMENTATION OF MEDICATION VIAL RUBBER STOPPERS

J. Eskander, J. Cotte, F. Rosinia, E. Glenn
Anesthesiology, Tulane Medical Center, New Orleans, Louisiana

S-506 CLEAN WORKSTATION INITIATIVE DOES NOT INCREASE WASTE AND TRENDS TOWARD COST SAVINGS

C. Tan, A. Vandeventer, K. McCarty, A. V. Agarwala, T. A. Anderson
Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts



Resident ePosters

Pain Medicine 1 & Trauma 1
Abstracts in Poster Discussion Round: S-494 – S-497, S-532
9:00 am – 10:30 am Monitor 6

RES01-03

Poster Moderator: D. Solanki, MD, University of Texas, League City, Texas

S-494 SEVERE UPPER EXTREMITY CONTRACTURE AND INTERNAL-ROTATION RELEASE FOLLOWING A SUPRACLAVICULAR BLOCK

A. M. Manvar¹, A. Rakic²

¹Department of Anesthesiology, University of Illinois-Chicago, Chicago, Illinois, ²Department of Anesthesiology, University of Illinois Chicago, Chicago, Illinois

S-495 RIGHT NEPHRECTOMY AND EXPLANTATION AS A COMPLICATION OF AUTOTRANSPLANTATION FOR LOIN PAIN HEMATURIA

S. E. Dodd, B. Hoelzer

Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-496 PRESCRIBING PATTERNS OF DISCHARGE PAIN REGIMEN FOR PATIENTS UNDERGOING COMMON SURGICAL PROCEDURES

B. Lai¹, E. Viscus², A. Rangavajjala³

¹Department of Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Department of Anesthesiology, Thomas Jefferson University, Philadelphia, Pennsylvania, ³Department of Internal Medicine, Yale-New Haven Hospital, New Haven, Connecticut

S-497 APPROACHES TO THE SAPHENOUS NERVE BLOCK; IS ONE APPROACH SUPERIOR? A REVIEW OF CURRENT PRACTICE

D. Mitchell, D. I. Smith, A. L. Hoefnagel

Anesthesiology, University of Rochester School of Medicine, Rochester, New York

S-532 ONE CASE OF CONTRAST-ENHANCED POSTMORTEM COMPUTED TOMOGRAPHY IN WHICH CONTRAST MEDIA WAS ADMINISTERED THROUGH A BONE MARROW LINE

M. Tada, K. Tateoka, E. Ijiri, K. Hayashi

Anesthesia, Nayoro City General Hospital, Nayoro, Japan

Airway Management 1 & Anesthetic Pharmacology 1
Abstracts in Poster Discussion Round:
S-400, S-401, S-404 – S-406
10:30 am – 12:00 pm Monitor 4

RES01-04

Poster Moderator: H. Kinoshita, MD, PhD, Aichi Medical University School of Medicine, Nagakute, Japan

S-400 VALIDATION OF A NOVEL TECHNIQUE FOR LMA INSERTION: A RANDOMIZED COMPARISON OF LARYNGEAL MASK AIRWAY INSERTION METHODS INCLUDING A NEW EXTERNAL LARYNX LIFTING-INFLATING AIR (ELLIA) TECHNIQUE ON POSTOPERATIVE PHARYNGOLARYNGEAL COMPLICATIONS

O. S. Leavitt, R. J. McCarthy, L. Hu

Anesthesiology, Northwestern University, Chicago, Illinois

S-401 QUALITY AUDIT REVEALS ENDOTRACHEAL TUBE CUFF INFLATION PRESSURES WELL ABOVE RECOMMENDED RANGE

T. Armour¹, S. Dhillon²

¹School of Medicine, Virginia Commonwealth University, Richmond, Virginia, ²Anesthesiology, Virginia Commonwealth University, Richmond, Virginia

S-404 INFLUENCE OF DESFLURANE, SEVOFLURANE AND PROPOFOL ON NEUROMUSCULAR BLOCKING EFFECT OF ROCURONIUM BROMIDE INFUSED CONTINUOUSLY IN JAPANESE PATIENTS

K. Hazama¹, H. Nakatsuka²

¹Department of Anesthesiology and Intensive Care Medi, Kawasaki Medical School, Kurashiki, Japan, ²Anesthesiology, Kawasaki Medical School, Kurashiki, Japan

S-405 COARSE-GRAINED MODEL OF GENERAL ANESTHETIC INTERACTION WITH GLOEOBACTER VIOLACEOUS

T. T. Joseph, J. S. Mincer

Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

S-406 INITIATION OF AN INSTITUTIONAL PRACTICE GUIDELINE AFFECTING FLUID MANAGEMENT AND INTRAOPERATIVE ACID-BASE OUTCOMES IN RENAL TRANSPLANT PATIENTS

K. S. Tseng, Y. Beilin

Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York



Moderated Poster Discussion Rounds • Saturday, March 21

Resident ePosters

Critical Care 1

Abstracts in Poster Discussion Round: S-413 – S-418
10:30 am – 12:00 pm Monitor 5

RES01-05

Poster Moderator: M. Csete, MD, Huntington Medical Research Institutes, Pasadena, California

S-413 IMPROVING ADHERENCE TO INTRAOPERATIVE LUNG PROTECTIVE VENTILATION THROUGH EDUCATION AND IMPLEMENTATION OF A DEPARTMENTAL MECHANICAL VENTILATION POLICY

G. A. Schultz, S. A. Josephs
Anesthesiology, University of Cincinnati Medical Center, Cincinnati, Ohio

S-414 THE GERMAN VALIDATION STUDY OF THE SURGICAL INTENSIVE CARE UNIT OPTIMAL MOBILITY SCORE (GEVASOMS-STUDY)

S. J. Schaller¹, C. Staeuble¹, M. Suemasa¹, I. Moreno Duarte², M. Heim¹, M. Eikermann², M. Blobner¹
¹Klinik fuer Anaesthesiologie, Klinikum rechts der Isar der TUM, Munich, Germany, ²Department of Anesthesiology, MGH, Boston, Massachusetts

S-415 INCIDENCE AND RISK FACTORS FOR ORGAN INJURY IN PATIENTS UNDERGOING INTRAVENOUS CATHETER DIRECTED THROMBOLYTIC THERAPY FOR ACUTE VASCULAR OCCLUSION - A RETROSPECTIVE STUDY

S. E. Dodd, A. Subramanian, F. T. Lytle
Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-416 THE EFFECTIVENESS OF A REAL-TIME ELECTRONIC ALERT TO DETECT SEVERE SEPSIS IN AN INTENSIVE CARE UNIT

J. Chang¹, M. C. Sullivan², E. R. Shea², D. Shimabukuro¹
¹Anesthesia, University of California, San Francisco, San Francisco, California, ²Innovations in Population Health, University of California, San Francisco, San Francisco, California

S-417 MEASUREMENT OF HEMOSTASIS BY THROMBOELASTOGRAPH (TEG) DURING THERAPEUTIC HYPOTHERMIA AFTER CARDIAC ARREST

C. L. Nelson¹, R. M. Craft², J. R. Langdon¹
¹Anesthesiology, University of Tennessee, Knoxville, Tennessee, ²Anesthesiology, University of Tennessee COM Knoxville, Knoxville, Tennessee

S-418 ALEMTUZUMAB AND PULMONARY COMPLICATIONS IN RENAL TRANSPLANT RECIPIENTS: A CASE SERIES

K. Gelber¹, H. Aslam¹, G. Wagener², R. Whittington¹
¹Anesthesiology, Columbia University Medical Center, New York, New York, ²Anesthesiology, Columbia University, New York, New York

Medically Challenging Case Reports 2

Abstracts in Poster Discussion Round: S-442 – S-448
10:30 am – 12:00 pm Monitor 6

RES01-06

Poster Moderator: A. Abramowicz, MD, Montefiore Medical Center, Bronx, New York

S-442 A ROLE FOR INTRAVENOUS ACETAMINOPHEN ADMINISTRATION IN PATIENTS UNDERGOING CRANIOTOMY FOR TUMOR RESECTION - A CASE SERIES

M. J. Lopez, A. L. Hoefnagel, D. I. Smith
Anesthesiology, University of Rochester School of Medicine, Rochester, New York

S-443 ULTRASOUND GUIDED LONG AXIS NERVE SCAN TECHNIQUE TO GUIDE PLACEMENT OF POPLITEAL SCIATIC CONTINUOUS PERIPHERAL NERVE CATHETER

J. Van Straten, J. Alexander, G. P. Joshi
Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-444 MANAGEMENT OF A CRITICALLY ILL PATIENT FOR PERCUTANEOUS CORONARY INTERVENTION (PCI)

T. Safi, S. Goldstein
Anesthesiology, Montefiore Medical Center, Bronx, New York

S-445 A SIMPLE NASAL CPAP ASSEMBLY MAINTAINED SPONTANEOUS RESPIRATION AND IMPROVED OXYGENATION IN A NON-OSA PATIENT WITH NGT WITH AIRWAY OBSTRUCTION DURING EGD UNDER DEEP SEDATION

W. Wang, J. T. Denny, S. Morgan, J. Tse
Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

S-446 ANGIOEDEMA WITH FACTOR V LEIDEN AFTER FRESH FROZEN PLASMA TRANSFUSION

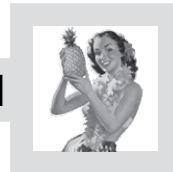
C. Adams, S. Yazdani
Department of Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas

S-447 INTERSCALENE NERVE BLOCK IN A PATIENT WITH BRACHIAL PLEXUS PALSY

K. E. Knapp, A. Gorlin
Anesthesiology, Mayo Clinic, Phoenix, Arizona

S-448 PAINFUL EJACULATION WITH CYCLOBENZAPRINE: A CASE REPORT AND LITERATURE REVIEW

M. Kraus¹, D. Rosenfeld², A. Gorlin³, C. Wie¹
¹Anesthesia, Mayo Clinic Hospital, Phoenix, Arizona, ²Anesthesiology, Mayo Clinic, Phoenix, Arizona, ³Anesthesiology, Mayo Clinic, Phoenix, Arizona



Resident ePosters

Medically Challenging Case Reports 3
Abstracts in Poster Discussion Round: S-449– S453, S-472
12:00 pm - 1:30 pm Monitor 4

RES01-07

Poster Moderator: C. Ing, MD, Columbia University, New York, New York

S-449 ANESTHETIC CONSIDERATIONS FOR A LARGE, LONG-STANDING, SYMPTOMATIC TRAUMATIC DIAPHRAGMATIC HERNIA REPAIR

E. Penick¹, E. Mackay¹, T. Kennedy²

¹Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Anesthesiology, Sidney Kimmel Medical College, Philadelphia, Pennsylvania

S-450 SEIZURE-LIKE ACTIVITY (SLA) DURING GENERAL ANESTHESIA FOR ROBOTIC PROSTATECTOMY: A CASE REPORT

C. Whiting, H. Li

Anesthesiology, The Univ of Texas Med Branch, Galveston, Texas

S-451 ANESTHETIC MANAGEMENT OF A PATIENT WITH HERMANSKY-PUDLAK SYNDROME: A CASE REPORT

S. Thomas, O. Gusakov

Anesthesiology, Boston Medical Center, Boston, Massachusetts

S-452 MANAGEMENT OF A PATIENT WITH HEREDITARY COPROPORPHYRIA

P. Mishra¹, S. Goldstein²

¹Anesthesiology, Albert Einstein College of Medicine & Montefiore Medical Center, Bronx, New York, ²Anesthesiology, Albert Einstein College of Medicine & Montefiore Medical Center, Bronx, New York

S-453 ACUTE INTRACRANIAL HEMORRHAGE & PREGNANCY: THE CASE OF AN OTHERWISE HEALTHY PARTURIENT WITH AN UNKNOWN AVM CREATING HAVOC IN THE 2ND TRIMESTER

S. C. Couch, E. M. Pages, L. Germond

Anesthesiology, Ochsner Medical Center, New Orleans, Louisiana

S-472 TREATMENT OF AMNIOTIC FLUID EMBOLISM ASSOCIATED DIC IN A LABOR PATIENT WITH RECOMBINANT FACTOR VIIA

J. N. Aluyen¹, T. S. Wen², H. Li¹, R. B. Vadhera³

¹Department of Anesthesiology, The University of Texas Medical Branch, Galveston, Texas, ²Department of Obstetrics and Gynecology, The University of Texas Medical Branch, Galveston, Texas, ³Department of Anesthesiology, The University of Texas Medical Branch, Galveston, Texas

Obstetric Anesthesiology 1 & Pain Mechanisms 1
Abstracts in Poster Discussion Round: S-490 – S-493
12:00 pm – 1:30 pm Monitor 5

RES01-08

Poster Moderator: R. Smiley, MD, Columbia University, New York, New York

S-490 EPIDURAL ANESTHESIA IN HISPANIC WOMEN: MYTHS, TRUTHS, AND WHY WE SHOULD CARE

D. Hansen¹, B. Scott², R. Measom³

¹Anesthesiology, Mayo Clinic, Scottsdale, Arizona, ²Pediatrics, University of Nevada School of Medicine, Reno, Nevada, ³Medical School, University of Nevada School of Medicine, Reno, Nevada

S-491 INTENSIVE CARE MANAGEMENT AND OUTCOME OF WOMEN WITH HYPERTENSIVE DISEASES OF PREGNANCY

C. Ochukpue

Department of Anaesthesia, University of Benin Teaching Hospital, Benin City, Edo State, Nigeria

S-492 INCIDENCE OF REVERSAL OR ABSENCE OF END DIASTOLIC FLOW IN THE UMBILICAL ARTERY DURING OPEN FETAL SURGERY

J. Sinskey, M. Rollins, M. Ferschl

Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

S-493 IDENTIFICATION OF SPINAL CORD CELLS EXPRESSING MU AND DELTA OPIOID RECEPTORS IN THE MOUSE

V. L. Tawfik, D. Wang, S. Low, G. Scherrer

Anesthesiology, Perioperative and Pain Medicine, Stanford University, Palo Alto, California



Moderated Poster Discussion Rounds • Saturday, March 21

Resident ePosters

Economics, Education and Policy 1
Abstracts in Poster Discussion Round: S-424 – S-425, S-427
12:00 pm – 1:30 pm Monitor 6

RES01-09

Poster Moderator: M. Afifi, MD, Northwestern University,
Chicago, Illinois

**S-424 EDUCATION CAN REDUCE OPERATING
ROOM WASTE COSTS**

A. Odefey¹, M. Tsai¹, D. M. Mathews¹, Z. Harambasic²

¹Department of Anesthesiology, University of Vermont Medical Center/University of Vermont College of Medicine, Burlington, Vermont, ²Department of Perioperative Services, University of Vermont Medical Center, Burlington, Vermont

**S-425 AN EVALUATION OF THE PREFERRED LEARNING
STYLES OF INCOMING FACULTY AND HOUSESTAFF:
A MULTIDISCIPLINARY AND MULTIGENERATIONAL
APPROACH**

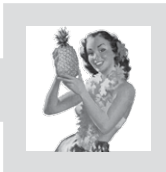
T. Northern, L. Daste, P. G. Boysen

Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana

**S-427 EXPERIENTIAL LEARNING: APPLYING THE KOLB
LEARNING STYLE INVENTORY IN ANESTHESIOLOGY
EDUCATION**

L. Daste, T. Northern, P. G. Boysen

Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana



Subspecialty Physical Posters

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Perioperative Anesthesia 1.....	82

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Note: 7:00 – 10:00 am session posters on Sunday and Monday must be taken down at 10:00 – 10:30 am to make room for a new round of posters being presented at 10:30 am.

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Neuroscience in Anesthesiology and Perioperative Medicine 5.....	88
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Technology, Computing and Simulation, Equipment Monitoring 2	89

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Cardiovascular Anesthesiology 2.....	91
Critical Care 4	92
Economics, Education and Policy 3.....	92
Sleep 1.....	93
Technology, Computing and Simulation, Equipment Monitoring 3	93

Learner Objectives:

As a result of their participation in this educational activity learners will consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.



Moderated Poster Discussion Rounds • Sunday, March 22

Medically Challenging Cases ePosters

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Resident ePosters

Discussion Times: 10:30 am – 12:00 pm	Page
Cardiovascular Anesthesiology 1.....	100
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Discussion Times: 12:00 pm – 1:30 pm	Page
Economics, Education and Policy 2 & Airway Management 2.....	101
Medically Challenging Case Reports 5.....	102
Perioperative Anesthesia 1 & Sleep Medicine 1.....	102

Learner Objectives: As a result of their participation in this educational activity learners will consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.



Subspecialty Physical Posters

Critical Care 1

Abstracts in Poster Discussion Round: S-93 – S-100

7:00 am – 8:30 am

PR02-12

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

S-93 DECREASED INCIDENCE OF HYPO-MAGNESEMIA IN THE ADULT SURGICAL ICU

J. T. Denny¹, T. Jan¹, A. N. Patel¹, J. Tse², A. Ocampo-Salazar¹, M. Chaudhry¹, A. M. Mohiuddin³

¹Anesthesia, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey, ²Anesthesia, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey, ³Anesthesia, Rutgers-Robertwood Johnson Medical School, New Brunswick, New Jersey

S-94 IMPROVING NUTRITION PRACTICES AT THE TIME OF TRACHEAL EXTUBATION IN THE ICU: THE EXTUBATION SAFETY QUALITY IMPROVEMENT PROJECT

D. Dorsey¹, A. Joffe¹, N. D. Yanez², A. Daga³, J. Sunshine¹, M. Treggiari¹

¹Anesthesiology, University of Washington, Seattle, Washington, ²Biostatistics, University of Washington, Seattle, Washington, ³Anesthesiology, University of Washington, UW, Seattle, Washington

S-95 OUTCOMES AFTER MASSIVE TRANSFUSION AND CHEST COMPRESSIONS

M. Kang, J. M. Berman

Department of Anesthesiology, University of North Carolina, Chapel Hill, North Carolina

S-96 INCREASED IN-HOSPITAL MORTALITY IN PATIENTS TRIGGERING A SEVERE SEPSIS ADVISORY WHILE IN THE INTENSIVE CARE UNIT

A. L. Ray¹, E. Shea², M. Sullivan², D. Shimabukuro³

¹Anesthesia and Critical Care, University of California-San Francisco, San Francisco, California, ²Critical Care, UCSF, San Francisco, California, ³Anesthesia and Critical Care, UCSF, San Francisco, California

S-97 MANDATORY HOSPITAL SEPSIS SCREENING AND IMPROVED SEPSIS BUNDLE COMPLIANCE LEAD TO DECREASED SEPSIS-RELATED MORTALITY IN A TERTIARY CARE ACADEMIC MEDICAL CENTER

P. D. Weyker¹, M. C. Sullivan¹, E. R. Shea¹, C. Fee², D. W. Shimabukuro¹

¹Department of Anesthesia and Perioperative Care, University of California San Francisco, San Francisco, California, ²Department of Emergency Medicine, University of California San Francisco, San Francisco, California

S-98 SEAL EFFECTIVENESS OF NOVEL DESIGN ENDOTRACHEAL TUBE CUFF COMPARED WITH CONVENTIONAL DESIGN CUFF IN VITRO MODEL

N. Sato, T. Terada, R. Ochiai

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S-99 INCREASED PRESEPSIN (SOLUBLE CD14 SUBTYPE) VALUES IN SURGICAL PATIENTS WITH CHRONIC KIDNEY DISEASE ON HEMODIALYSIS EVEN IN THE ABSENCE OF INFECTION

J. Saito¹, E. Hashiba², T. Kushikata¹, K. Hirota¹

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S-100 RELATIONSHIP BETWEEN A HIGH-INSPIRED OXYGEN CONCENTRATION AND A GRAVITY DEPENDENT ATELECTASIS IN TRAUMA PATIENTS: SUBGROUP ANALYSIS

K. Ishii¹, H. Morimatsu², K. Ono¹, K. Miyasho³

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Critical Care 2

Abstracts in Poster Discussion Round: S-101 – S-108

7:00 am – 8:30 am

PR02-13

Poster Moderator: R. Lenhardt, MD, University of Louisville, Louisville, Kentucky

S-101 EXAMINATION OF THE CHANGE IN THE FEMORAL VEIN DIAMETER DUE TO LOWER LIMB FLEXION

H. Iwata, T. Kimura, K. Kobayashi, s. kawashima, H. Makino, T. Katoh, S. Sato

Department of Anesthesiology and Intensive Care, Hamamatsu University School of Medicine, Hamamatsu, Japan

S-102 FACTORS ASSOCIATED WITH CATHETER-RELATED BLOODSTREAM INFECTIONS IN THE INTENSIVE CARE UNIT OF A UNIVERSITY HOSPITAL

T. Yorozu¹, K. Moriyama¹, M. Kotani², T. Kohyama²;

¹Department of Anesthesiology, Kyorin University, School of Medicine, Tokyo, Japan, ²Department of Anesthesiology, Kyorin University, School of Medicine, Tokyo, Japan



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PR02-13, continued

S-103 GOAL DIRECTED HEMODYNAMIC MANAGEMENT USING THE THESPIS-SCORE IN SEVERE SEPSIS AND SEPTIC SHOCK IS ASSOCIATED WITH REDUCED MORTALITY - AN OBSERVATIONAL CROSS-SECTIONAL STUDY

M. Habicher¹, F. Balzer², V. Mezger³, M. Sander⁴

¹Anesthesiology and Intensive Care Medicine, Charite Universitaetsklinik Berlin, Berlin, Germany, ²Department for Anesthesiology and Intensive Care Medicine, Charite - Universitaetsmedizin Berlin, Berlin, Germany, ³Department for Anesthesiology and Intensive Care Medicine, Charite - University Medicine Berlin, Berlin, Germany, ⁴Department for Anesthesiology and Intensive Care Medicine, Charite-Universitaetsmedizin Berlin, Berlin, Germany

S-104 IDENTIFYING ICU PATIENTS AT HIGH RISK FOR CARDIAC ARREST: A RETROSPECTIVE ANALYSIS OF THE VISENSIA ALGORITHM

C. Choukalas¹, S. Takemoto², J. G. Stotts³, A. Wallace¹

¹Anesthesia and Perioperative Care, UCSF, San Francisco, California, ²Anesthesia, San Francisco VA Medical Center, San Francisco, California, ³Nursing, UCSF, San Francisco, California

S-105 ORGAN PROTECTION AND IMPROVEMENT OF SURVIVAL AFTER HEMORRHAGIC SHOCK BY TREATMENT WITH INHALED NITRIC OXIDE(NO) IN A RAT MODEL

S. Mimuro¹, T. Katoh², S. Sato³

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S-106 DURATION OF ISCHEMIA AND OUTCOMES OF CARDIAC ARREST PATIENTS MANAGED BY EXTRACORPOREAL CARDIOPULMONARY RESUSCITATION (ECPR): FOURTEEN YEAR EXPERIENCE

P. K. Guru¹, D. Sanghavi², J. B. Riley³, T. Friedrich⁴, G. J. Schears⁵

¹Pulmonary and Critical Care/ECMO Service, Mayo Clinic, Rochester, Minnesota, ²Pulmonary and Critical Care, Mayo Clinic, Rochester, Minnesota, ³Cardiovascular Surgery/ECMO Service, Mayo Clinic, Rochester, Minnesota, ⁴Nursing Cardiovascular and Heart Transplant ICU/ECMO Service, Mayo Clinic, Rochester, Minnesota, ⁵Anesthesiology, Pediatrics and Critical Care Medicine, Mayo Clinic, Rochester, Minnesota

S-107 EVEN PROTECTIVE VENTILATION CAN CAUSE ACUTE LUNG INJURY IN A MOUSE MODEL OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE

L. Ring, J. D'Armiesto

Department of Anesthesiology, Columbia University, New York, New York

S-108 EFFECT OF ANEMIA ON MORTALITY AND LENGTH OF STAY IN SEVERE TRAUMATIC BRAIN INJURY

A. Ottesen¹, M. Rodriguez¹, K. Carr², A. Seiff²

¹School of Medicine, University of Texas HSC San Antonio, San Antonio, Texas, ²Neurosurgery, University of Texas HSC San Antonio, San Antonio, Texas

**Economics, Education and Policy 1
Abstracts in Poster Discussion Round: S-129 – S-135
7:00 am – 8:30 am**

PR02-14

Poster Moderator: R. Smiley, MD, Columbia University, New York, New York

S-129 ENHANCING FEEDBACK ON PROFESSIONALISM AND INTERPERSONAL AND COMMUNICATION SKILLS

J. D. Mitchell¹, A. DiLorenzo², S. Karan³, D. E. Lee⁴, R. M. Schell², C. B. Diachun⁵, S. Jones¹

¹Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, ²Anesthesiology, University of Kentucky, Lexington, Kentucky, ³Anesthesiology, University of Rochester Medical Center, Rochester, New York, ⁴Anesthesiology and Pediatrics, University of California, San Diego, San Diego, California, ⁵Anesthesiology, University of Florida – Jacksonville, Jacksonville, Florida

S-130 A COMPETITIVE OSCE EVENT TO ASSESS THE DEVELOPMENT OF ANESTHESIOLOGY RESIDENT SKILL SET DURING CARE HANDOFF IN PACU

A. Rebel, R. Fragneto, A. DiLorenzo, D. Nguyen, R. M. Schell

Anesthesiology, University of Kentucky, Lexington, Kentucky

S-131 USE OF A COGNITIVE AID IMPROVES RESIDENT TRANSITION OF CARE PROCESS QUALITY IN SIMULATED CRISIS SITUATIONS

A. Rebel¹, A. DiLorenzo¹, P. A. Sloan¹, R. Latif², K. Christie², M. Lukens¹, R. Fragneto³

¹Anesthesiology, University of Kentucky, Lexington, Kentucky, ²Anesthesiology, University of Louisville, Louisville, Kentucky, ³Anesthesiology, University of Kentucky Department of Anesthesiology, Lexington, Kentucky

S-132 PERCEPTIONS OF ACUPUNCTURE AND ACUPRESSURE BY ANESTHESIA PROVIDERS

A. Faircloth¹, C. Biddle¹, J. F. Butterworth², A. Dubovoy¹

¹Anesthesiology, VCU Medical Center, Richmond, Virginia, ²Anesthesiology, VCU School of Medicine, Richmond, Virginia



Subspecialty Physical Posters

PR02-14, continued

S-133 HYPERTENSION OR INAPPROPRIATE BLOOD PRESSURE CUFF? EDUCATION IN THE PERIOPEARTIVE SETTING

S. Pai, G. J. Mickus, I. I. Logvinov
Anesthesiology, Mayo Clinic Florida, Jacksonville, Florida

S-134 USING DATA ENVELOPMENT ANALYSIS TO EVALUATE PEER-TO-PEER FELLOW PERFORMANCE IN AN ANESTHESIOLOGY CRITICAL CARE FELLOWSHIP – A PILOT PROJECT

A. B. Kumar¹, V. Tiwari²;
¹Anesthesiology and Critical Care, Vanderbilt University, Nashville, Tennessee, ²Operations Research; Anesthesiology and Critical Care, Vanderbilt University, Nashville, Tennessee

S-135 AUTOMATED CASE CANCELLATION REVIEW SYSTEM IMPROVES SYSTEM BASED PRACTICE LEARNING

J. R. Starnes, M. D. McEvoy, J. M. Ehrenfeld, W. Sandberg, J. P. Wanderer
Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-168 THE CEREBRAL BLOOD FLOW THRESHOLD FOR MEMBRANE REPOLARIZATION IS NOT ASSOCIATED WITH RESIDUAL CEREBRAL BLOOD FLOW DURING ISCHEMIC DEPOLARIZATION IN RATS

H. Kawase, Y. Takeda, R. Mizoue, S. Sato, H. Morimatsu
Anesthesiology and Resuscitology, Okayama University, Okayama, Japan

S-169 EFFECTS OF ANESTHESIA, SURGERY, AND APOE4 IN THE ELDERLY

K. J. Schenning¹, C. F. Murchison², N. C. Mattek², J. A. Kaye², J. F. Quinn²
¹Anesthesiology and Perioperative Medicine, Oregon Health and Science University, Portland, Oregon, ²Neurology, Oregon Health and Science University, Portland, Oregon

S-170 ANESTHETIC TOXICITY IN RATS: RHOGTPASES, GROWTH CONE COLLAPSE, AND AXONAL TRANSPORT

M. L. Pearn, M. Kodama, P. Piyush, B. Head
Anesthesiology, UCSD, San Diego, California

S-171 EFFECT OF ACUTE POST-CRANIOTOMY HEADACHE ON LONG-TERM QUALITY OF LIFE AND THE DEVELOPMENT OF NEUROPATHIC PAIN

A. Morad, C. Miller, E. White, M. Yaster, A. Gottschalk
Anesthesiology and Critical Care Medicine, Johns Hopkins School of Medicine, Baltimore, Maryland

S-172 THE RELATIONSHIP BETWEEN PREOPERATIVE MEMORY FORMATION AND AWAKE BISPECTRAL INDEX READINGS

D. J. Blech¹, R. L. Wagner¹, M. D. Allain¹, X. Zheng¹, P. O'Connor², M. O'Connor², D. Glick²
¹Pritzker School of Medicine, University of Chicago, Chicago, Illinois, ²Anesthesia and Critical Care, University of Chicago, Chicago, Illinois

Neuroscience in Anesthesiology and Perioperative Medicine 2
Abstracts in Poster Discussion Round: S-166 – S-172
7:00 am – 8:30 am

PR02-15

Poster Moderator: C. Paisansathan, MD, University of Illinois at Chicago, Chicago, Illinois

S-166 SEVOFLURANE MAY NOT INDUCE LONG-TERM TOXICITY ON SPINOCEREBELLAR ATAXIA TYPE 3 TRANSGENIC DROSOPHILA MODEL

C. Chen¹, W. Lin², K. Chen³, Y. Kuo⁴, H. Liu⁵, C. Li¹
¹Graduate Institute of Clinical Medical Science, China Medical University, Taichung, Taiwan, ²Institute of Integrated Medicine, China Medical University, Taichung, Taiwan, ³Department of Anesthesiology, China Medical University Hospital, Taichung, Taiwan, ⁴Department of Biomedical Imaging and Radiological Science, China Medical University, Taichung, Taiwan, ⁵Graduate Institute of Acupuncture Science, China Medical University, Taichung, Taiwan

S-167 THE EFFECT OF LIDOCAINE ON APOPTOTIC NEURODEGENERATION IN THE DEVELOPING MOUSE BRAIN

J. Kim, J. Lee
Anesthesiology and Pain Medicine, Seoul National University Hospital, Seoul, Republic of Korea

Neuroscience in Anesthesiology and Perioperative Medicine 3
Abstracts in Poster Discussion Round: S-173 – S-180
7:00 am – 8:30 am

PR02-16

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

S-173 A MODEL OF ANESTHESIA: METASTABLE BRAIN STATES DIMINISH WITH A REDUCTION OF CORTICAL AROUSAL

A. Hudetz¹, C. Humphries², J. Binder²
¹Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ²Neurology, Medical College of Wisconsin, Milwaukee, Wisconsin



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PR02-16, continued

S-174 SEARCH FOR COGNITIVE DYSFUNCTION PLASMA AND ANATOMICAL BIOMARKERS FROM ADNI ALZHEIMER'S DATABASE

R. P. Kline, F. F. Cuadrado

Anesthesiology, NYU Langone Medical Center, New York, New York

S-175 ASTROCYTES ATTENUATE PROPOFOL-INDUCED TOXICITY IN DEVELOPING RAT HIPPOCAMPAL NEURONS VIA BDNF- AND VEGF-DEPENDENT PATHWAYS

Y. Liu¹, X. Bai², Y. Yan³, D. Twaroski², Z. Ge¹, Z. J. Bosnjak²

¹Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ²Anesthesiology & Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ³Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-176 BDNF ENHANCES PROLIFERATION OF RAT FETAL NEURAL STEM PROGENITOR CELLS EXPOSED TO KETAMINE

C. Dong

Department of Chemical Biology and Therapeutics; Department of Pediatrics, St. Jude Children's Research Hospital; University of Tennessee Health Science Center, Memphis, Tennessee

S-177 GENETIC MOUSE TOOLS FOR THE ANALYSIS OF INHIBITORY NEURONS IN ANESTHESIOLOGY AND PAIN RESEARCH

S. Hulsmann¹, S. Besser², J. Hirrlinger³

¹Anesthesiology, University Medical Center Gottingen, Gottingen, Germany, ²Carl-Ludwig-Institut für Physiologie, University Leipzig, Leipzig, Germany, ³Carl-Ludwig-Institute for Physiology, University Leipzig, Leipzig, Germany

S-178 PROTECTIVE EFFECT OF HUMAN MESENCHYMAL STEM CELLS AGAINST INTRACRANIAL ANEURYSM RUPTURE IN MICE

A. Kuwabara, J. Liu, J. W. Lee, T. Hashimoto

Anesthesia, University of California, San Francisco, San Francisco, California

S-179 SEVOFLURANE AND DESFLURANE INHIBIT SYNAPTIC STRENGTH OF NEWLY DEVELOPED SYNAPSES BETWEEN LYMNAEA NEURONS

R. Armstrong¹, F. Xu¹, D. Urrego¹, M. Qazzaz¹, M. Pehar², zOJ. N. Armstrong², N. I. Syed¹

¹Hotchkiss Brain Institute, University of Calgary, Calgary, Alberta, Canada, ²Department of Anesthesia, University of Calgary, Calgary, Alberta, Canada

S-180 ISOFLURANE INDUCED PATHWAY-SPECIFIC SUPPRESSION OF CORTICAL SYNAPTIC RESPONSES IN MICE

A. Raz¹, B. M. Krause², S. Grady³, M. Banks³

¹Anesthesiology, University of Wisconsin - Madison, Madison, Wisconsin, ²Anesthesiology, University of Wisconsin Madison, Madison, Wisconsin, ³Anesthesiology, University of Wisconsin, Madison, Wisconsin

Perioperative Anesthesia 1
Abstracts in Poster Discussion Round: S-291 – S-295, S-297
7:00 am – 8:30 am

PR02-17

Poster Moderator: H. Nakatsuka, MD, Kawasaki Medical University, Kurashiki, Japan

S-291 INCIDENCE OF HYPOTHERMIA DURING GASTROINTESTINAL SURGERY WITH ACTIVE WARMING; PROSPECTIVE OBSERVATIONAL STUDY

T. Ichimaru¹, T. Uno¹, M. Arakida², M. Nagai¹, N. Morioka¹, M. Ozaki¹, Y. Sakuyama¹

¹Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan, ²Perioperative Nursing, Tokyo Women's Medical University, Tokyo, Japan

S-292 PULSE PRESSURE AS A PREDICTOR OF POSTOPERATIVE RENAL FUNCTION IN PATIENTS UNDERGOING LOWER EXTREMITY BYPASS GRAFTING

Y. Hua, N. Odo, S. Wu;

Anesthesiology and Perioperative Medicine, Georgia Regents University, Augusta, Georgia

S-293 PERIOPERATIVE MANAGEMENT OF PATIENTS WITH LEFT VENTRICULAR ASSIST DEVICES UNDERGOING REPAIR OF HIP FRACTURE

J. Alexander, R. Ivie, R. Maniker, J. Sobol

Department of Anesthesiology, Columbia University, New York, New York

S-294 INTRAOPERATIVE VASOPRESSIN WOULD FACILITATE RADICAL PROSTATECTOMY

T. Kikuchi

Anesthesiology and Pain Medicine, Juntendo University Hospital, Tokyo, Japan

S-295 EFFECT OF ESMOLOL INFUSION ON MYOCARDIAL OXYGEN CONSUMPTION DURING EXTUBATION AND QUALITY OF RECOVERY IN ELDERLY PATIENTS UNDERGOING GENERAL ANESTHESIA

S. A. Elokda

Anesthesia, Dallah Hospital, Riyadh, Saudi Arabia



Subspecialty Physical Posters

PR02-17, continued

S-297 INCIDENT OF HYPOTHERMIA WITH PASSIVE WARMING: RETROSPECTIVE OBSERVATIONAL STUDY

E. Yamamoto, R. Kanamori, T. Uno, M. Nagai, T. Terada, M. Ozaki, Y. Sakuyama

Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan

Airway Management 2

Abstracts in Poster Discussion Round: S-9 – S-13

8:30 am – 10:00 am

PR02-18

Poster Moderator: N. Jagannathan, MD, Northwestern University's Feinberg School of Medicine, Chicago, Illinois

S-9 CONNECTING MAPLESON F (JACKSON-REES) SYSTEM TO THE NASAL AIRWAY MAINTAINS ADEQUATE OXYGENATION FOR MORBIDLY OBESE PATIENTS DURING DEEP SEDATION

W. Chee

Department of Anesthesiology, Montefiore Medical Center, Department of Anesthesia, Manhasset, New York

S-10 PRE-WARMING OF THE I-GEL® FACILITATES SUCCESSFUL INSERTION AND VENTILATION EFFICACY WITH MUSCLE RELAXATION: A CLINICAL RANDOMIZED STUDY

N. Komasa, I. Nishihara, S. Tatsumi, T. Minami

Anesthesiology, Osaka Medical College, Takatsuki, Japan

S-11 FEASIBILITY OF AWAKE NASOPHARYNGEAL ENDOSCOPY FOR AIRWAY ASSESSMENTS IN THE PREOPERATIVE ANAESTHETIC CLINIC

H. R. Abdullah¹, N. Goldenberg², C. Deb³, D. T. Wong³

¹Anesthesiology, Singapore General Hospital, Singapore, Singapore, ²Anesthesiology, University of Toronto, Toronto, Ontario, Canada, ³Anesthesiology, Toronto Western Hospital, Toronto, Ontario, Canada

S-12 INTRAOPERATIVE APPLICATION OF THE STANDARD QUANTITATIVE ENDOTRACHEAL TUBE CUFF LEAK TEST FOR PRONE MECHANICALLY VENTILATED PATIENTS

S. Kreilinger, L. M. Adiutori, D. Ekundayo, G. Edelman

Anesthesiology, University of Illinois at Chicago, Chicago, Illinois

S-13 RANDOMIZED CONTROLLED TRIAL COMPARING THE MCGRATH MAC VIDEO LARYNGOSCOPE WITH KING VISION VIDEO LARYNGOSCOPE IN ADULT PATIENTS

B. D. Alvis¹, D. Hester², M. Higgins², P. St. Jacques²

¹Anesthesiology Critical Care Medicine, Vanderbilt Medical Center, Nashville, Tennessee, ²Anesthesiology, Vanderbilt Medical Center, Nashville, Tennessee

Anesthetic Pharmacology 2

Abstracts in Poster Discussion Round: S-35 – S-41

8:30 am – 10:00 am

PR02-19

Poster Moderator: M. Hollmann, MD, PhD, DEAA, Academic Medical Center Amsterdam, Amsterdam, Netherlands

S-35 HEMODYNAMIC EFFECTS OF REMIFENTANIL DURING GENERAL ANESTHESIA IN NON-CARDIAC SURGERY PATIENTS

T. Ogura¹, S. Ishigaki², S. Itakura², T. Morohashi², Y. Takaenoki², S. Yufune²

¹Anesthesiology, Japan Self Defense Force Hospital Yokosuka, Yokosuka, Kanagawa, Japan, ²Anesthesiology, National Defense Medical College, Tokorozawa, Saitama, Japan

S-36 GOOD MODEL PREDICTIONS OF SEDATION LEVEL, PAIN, AND RESPIRATORY DEPRESSION IN PATIENTS DURING AWAKE CRANIOTOMY USING TCI PROPOFOL AND ALFENTANIL

M. Tsou, C. Ting, S. Wang

Department of Anesthesiology, Taipei Veterans General Hospital, Taipei, Taiwan

S-37 INFLUENCE OF GENDER ON GENERAL ANESTHESIA AND FENTANYL-INDUCED BISPECTRAL INDEX (BIS) CHANGES

T. Mieda¹, A. Kitamura¹, T. Nakamura², Y. Horikoshi², H. Nagasaka², K. Onuki³, S. Hagihira⁴

¹Anesthesiology, Saitama Medical University International Medical Center, Saitama, Japan, ²Anesthesiology, Saitama Medical University, Saitama, Japan, ³Comprehensive Medical Science, Meikai University Hospital, Sakado, Japan, ⁴Anesthesiology, Osaka University Graduate School of Medicine, Osaka, Japan

S-38 THE IMPACT OF CYP3A5 GENE POLYMORPHISMS ON THE PHARMACOKINETICS OF FENTANYL AND NORFENTANYL IN THE PERIOPERATIVE PERIOD

H. Kato¹, T. Kato¹, K. Hirano², T. Yagi², N. Tanaka², J. Kawakami², S. Sato¹

¹Anesthesiology and Intensive Care, Hamamatsu University School of Medicine, Hamamatsu, Japan, ²Hospital Pharmacy, Hamamatsu University School of Medicine, Hamamatsu, Japan

S-39 LIPID-FREE PROPOFOL USING NOVEL SEMIFLUORINATED SURFACTANTS IN RATS

C. L. Parks¹, W. B. Tucker², C. A. Amlong¹, M. Perouansky¹, S. Mecozzi³, R. A. Pearce¹

¹Department of Anesthesiology, University of Wisconsin-Madison, Madison, Wisconsin, ²Department of Chemistry, University of Wisconsin-Madison, Madison, Wisconsin, ³School of Pharmacy, University of Wisconsin-Madison, Madison, Wisconsin



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PRO2-19, continued

S-40 THE EFFECTS OF INTRAVENOUS ANESTHETICS ON CELL MIGRATION USING CULTURED HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS

K. Takaishi¹, *S. Kawahito², N. Mita², T. Aoyama¹, R. Otsuka¹, H. Kitahata³*

¹Dental Anesthesiology, Tokushima University Hospital, Tokushima, Japan, ²Anesthesiology, Tokushima University Hospital, Tokushima, Japan, ³Dental Anesthesiology, Tokushima University, Tokushima, Japan

S-41 NOVEL LOCAL ANESTHETICS DEMONSTRATE ISOMER-DEPENDENT ANALGESIA IN MICE

G. Kracke¹, *M. VanGordon², Y. Sevryugina², P. Kueffer², K. Kabytaev², S. Jalisatgi², M. Hawthorne²*

¹Anesthesiology, University of Missouri, Columbia, Missouri, ²International Institute of Nano and Molecular Medicine, University of Missouri, Columbia, Missouri

Critical Care 3

Abstracts in Poster Discussion Round: S-109 – S-115

8:30 am - 10:00 am

PRO2-20

Poster Moderator: M. Wall, MD, FCCM, University of Minnesota, Minneapolis, Minnesota

S-109 COMPARISON OF THE SHORT ACTING BETA1 BLOCKER LANDIOLOL WITH AMIODARONE FOR PHARMACOLOGICAL CARDIOVERSION FOR ATRIAL FIBRILLATION IN INTENSIVE CARE UNIT PATIENTS

Y. Matsumoto, *S. C. Shibata, A. Maeda, T. Imada, K. Okitsu, Y. Fujino*
Department of Anesthesiology and Intensive Care Medicine, Graduate School of Medicine, Osaka University, Suita, Osaka, Japan

S-110 ROLE OF TRANSIENT RECEPTOR POTENTIAL V1 AND A1 ION CHANNELS, SUBSTANCE P AND ITS NEUROKININ 1 RECEPTOR IN ENDOTOXIN-INDUCED SYSTEMIC INFLAMMATION OF THE MOUSE

O. Lengl¹, *E. Pintér², Z. Helyes², J. P. Quinn³, L. Kereskai⁴, J. Szolcsányi²*

¹Department of Anaesthesiology and Intensive Care, University of Pécs, Pécs, Hungary, ²Department of Pharmacology and Pharmacotherapy, University of Pécs, Pécs, Hungary, ³School of Biomedical Sciences, Liverpool University, Liverpool, United Kingdom, ⁴Department of Pathology, University of Pécs, Pécs, Hungary.

S-111 EVALUATING DOPPLER RENAL ARTERY RESISTIVE INDEX FOR PREVENTION OF CONTRAST NEPHROPATHY IN EMERGENCY DEPARTMENT

Y. Kashiwagi, *Y. Toyama, A. Suzuki, H. Iwasaki*
Anesthesiology and Critical Care, Asahikawa Medical University, Asahikawa, Japan

S-112 PERITONEAL APPLICATIONS OF LIPOPOLYSACCHARIDE INDUCE LYMPHANGIOGENESIS IN DIAPHRAGM IN MICE VIA UPREGULATION OF AN INDUCIBLE CYCLOOXYGENASE, COX-2

H. Matsuda¹, *H. Okamoto², M. Majima³*

¹Anesthesiology, Kitasato University Hospital, Sagamihara-City, Japan, ²Anesthesiology, Kitasato University, Sagamihara-City, Japan, ³Pharmacology, Kitasato University, Sagamihara-City, Japan.

S-113 CEREBROVASCULAR SIGNAL COMPLEXITY AND RELATIONSHIP WITH OUTCOME AFTER SEVERE TRAUMATIC BRAIN INJURY

L. Gao¹, *P. Smielewski², M. Czosnyka², A. Ercole³*

¹Department of Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Department of Clinical Neurosciences, University of Cambridge, Cambridge, United Kingdom, ³Neurointensive Care and Neuroanesthesia, University of Cambridge, Cambridge, United Kingdom

S-114 SULFANEGEN LYSINE UPDATE ON STUDIES IN MICE: MOVING FORWARD TOWARDS BECOMING A NEW CYANIDE ANTIDOTE

H. Singh¹, S. E. Patterson², S. S. Sra¹, A. Chang¹, D. Beebe¹, K. Belani¹

¹Anesthesiology, University of Minnesota, Minneapolis, Minnesota, ²Anesthesiology, The University of Minnesota, Minneapolis, Minnesota

S-115 VASOPRESSIN INHIBITS MITOGEN-ACTIVATED PROTEIN KINASE ACTIVATION IN ENDOTOXIN-ACTIVATED MURINE MACROPHAGES

C. Huang¹, *P. Tsai²*

¹Department of Anesthesiology, Taipei Tzu Chi Hospital, New Taipei City, Taiwan, ²College of Nursing, Taipei Medical University, Taipei, Taiwan

Economics, Education and Policy 2

Abstracts in Poster Discussion Round: S-136- S-141

8:30 am – 10:00 am

PRO2-21

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

S-136 CURRICULUM DEVELOPMENT FOR MEDICAL STUDENT ULTRASOUND EDUCATION

L. Maloney¹, K. Zach², C. Page³, P. A. Seidman⁴

¹School of Medicine, Stony Brook SOM, Stony Brook, New York, ²SOM, Stony Brook SOM, Stony Brook, New York, ³Anesthesiology, Stony Brook SOM, Stony Brook, New York, ⁴Anesthesiology and Pediatrics, Stony Brook SOM, Stony Brook, New York



Subspecialty Physical Posters

PR02-21, continued

S-137 THE DEVELOPMENT AND USE OF SIMULATION SCENARIOS INDUCING MEDICATION ERRORS FOR USE IN MEDICAL EDUCATION

A. Motoyasu¹, *T. Yorozu*², *K. Moriyama*³, *Y. Tatsuya*⁴

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S-138 RADIAL ARTERIAL LINE LC-CUSUM LEARNING CURVE AMONG FIRST YEAR RESIDENTS

P. Hussey, *K. Ueda*, *E. Bayman*

Carver College of Medicine, University of Iowa, Iowa City, Iowa

S-139 EFFECTS OF THE MEDICAL PAYMENT SYSTEM ON JAPANESE SURGEONS' PRODUCTIVITY: A PRELIMINARY REPORT

Y. Nakata¹, *T. Yoshimura*², *Y. Watanabe*¹, *H. Otake*³

¹Graduate School of Public Health, Teikyo University, Tokyo, Japan, ²Department of Anesthesia, Shin-yurigaoka General Hospital, Kawasaki, Japan, ³Department of Anesthesia, Showa University School of Medicine, Tokyo, Japan

S-140 LARYNGOSCOPY SKILL TRANSFER AFTER MANIKIN PRACTICE WITH VARYING ANATOMY AND DIFFICULTY

*S. Seshadri*¹, *N. Delson*², *S. Kedarisetty*³, **R. H. Hastings**⁴

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S-141 COMPLIANCE WITH SURGICAL CARE IMPROVEMENT PROJECT-INFECTION-10 AND ITS IMPACT ON THE INCIDENCE OF SURGICAL SITE INFECTION

M. J. Brown, *T. B. Curry*, *D. J. Kor*

Department of Anesthesiology, Mayo Clinic, Rochester, Minnesota

Regional Anesthesia 1

Abstracts in Poster Discussion Round: S-319 – S-326

8:30 am – 10:00 am

PR02-22

Poster Moderator: S. Verghese, MD, *Children's Hospital-DC, Washington, DC*

S-319 TWO MODELS TO DEFINE THE RELATIONSHIP BETWEEN THE REGIONAL ANESTHESIA CONSULTANT AND THE PRIMARY ANESTHESIOLOGIST

D. Waisel, *K. Matthes*, *K. Boretsky*

Department of Anesthesiology, Perioperative and Pa, Boston Children's Hospital, Boston, Massachusetts

S-320 OUTCOME OF THORACIC EPIDURAL ANESTHESIA ON GRAFT LEAKAGE AFTER MINIMALLY INVASIVE ESOPHAGECTOMY

P. Rahman

Anesthesiology, UC San Diego, San Diego, California

S-321 THE USE OF DEXMEDETOMIDINE AFTER REGIONAL BLOCKADE IN SHOULDER SURGERY PATIENTS IN BEACH CHAIR POSITION

P. M. Gupta¹, *M. Kronenfeld*¹, *K. D. Eichenbaum*², *D. W. Saberito*¹, *D. E. Feerman*¹

¹Anesthesiology, Maimonides Medical Center, Brooklyn, New York,

²Anesthesiology, Stanford University, Palo Alto, California

S-322 CHLORHEXIDINE VERSUS POVIDONE-IODINE IN PREVENTING COLONIZATION OF FEMORAL NERVE CATHETERS FOR TOTAL KNEE ARTHROPLASTY

J. Marino¹, *D. Blitz*¹, *O. Dowling*², *D. Bosshart*³, *F. Overdyk*¹

¹Anesthesiology, Hofstra North Shore-LIJ School of Medicine, New Hyde Park, New York, ²Anesthesiology, North Shore-LIJ Health System, New Hyde Park, New York, ³Anesthesiology, North Shore - LIJ Hospital @ Syosset, Syosset, New York

S-323 FREQUENCY OF CARDIOPULMONARY COMPLICATIONS AND MORTALITY IN PATIENTS RECEIVING POST-OPERATIVE REGIONAL ANALGESIA FOLLOWING TOTAL HIP OR KNEE ARTHROPLASTY

M. Tien, *G. A. Wilson*, *V. Hernandez Torres*, *A. Jacob*, *D. R. Schroeder*, *C. B. Mantilla*

Department of Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-324 A COMPARISON OF CONVENTIONAL LANDMARK GUIDED MIDLINE VERSUS PRE-PROCEDURE ULTRASOUND - GUIDED PARAMEDIAN TECHNIQUES IN SPINAL ANESTHESIA

*K. Kallidaikurichi Srinivasa*¹, **G. Iohom**², *F. Loughnane*², *P. Lee*²

¹Anesthesia, Cork University Hospital, Cork, Ireland, ²Anaesthesia, Cork University Hospital, Cork, Ireland

S-325 COMPARISON OF REGIONAL TECHNIQUES FOR ANALGESIA FOLLOWING TOTAL HIP ARTHROPLASTY: A RETROSPECTIVE COHORT ANALYSIS

*C. W. Hackney*¹, *B. J. Wolf*², *J. R. McSwain*¹, *H. A. Demos*³, **S. H. Wilson**¹

¹Anesthesia, Medical University of South Carolina, Charleston, South Carolina, ²Biostatistics, Medical University of South Carolina, Charleston, South Carolina, ³Orthopedics, Medical University of South Carolina, Charleston, South Carolina

S-326 WHOLE EXOME SEQUENCING OF A FAMILY WITH LOCAL ANESTHETIC RESISTANCE

S. R. Clendenen¹, *N. Clendenen*²

¹Anesthesiology, Mayo Clinic Florida, Jacksonville, Florida, ²Yale University, New Haven, Connecticut



Moderated Poster Discussion Rounds • Sunday, March 22

Subspecialty Physical Posters

Technology, Computing and Simulation, Equipment Monitoring 1

Abstracts in Poster Discussion Round: S-349 – S-354
8:30 am – 10:00 am

PR02-23

Poster Moderator: M. Rice, MD, University of Florida,
Gainesville, Florida

S-349 COMMUNICATION PATTERNS DURING A CRISIS SITUATION IN THE OPERATING ROOM

P. Sayal¹, M. C. Pian-Smith², R. Phitayakorn³, M. W. Hemingway⁴,
E. R. Petrusa³, R. D. Minehart¹

¹Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Anesthesia, Critical Care and Pain Medicine, MGH, Harvard Medical School, Boston, Massachusetts, ³Surgery, Massachusetts General Hospital, Boston, Massachusetts, ⁴Perioperative Nursing, Massachusetts General Hospital, Boston, Massachusetts

S-350 EFFECT OF ELECTROMAGNETIC GUIDANCE SYSTEM ON EARLY LEARNING CURVE OF ULTRASOUND-GUIDED NEEDLE PLACEMENT

H. Byon¹, H. Kim²

¹Department of Anesthesiology and Pain Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, ²Department of Anesthesiology and Pain Medicine, Kangdong Sacred Heart Hospital, Hallym University College of Medicine, Seoul, Republic of Korea

S-351 AN ADAPTIVE AND ROBUST BRAIN-MACHINE INTERFACE ARCHITECTURE FOR CLOSED-LOOP CONTROL OF ANESTHESIA

Y. Yang, M. Shanechi

Electrical Engineering, University of Southern California, Los Angeles, California

S-352 A BENCH STUDY OF NEW ANESTHESIA VENTILATORS: INSPIRATORY AND EXPIRATORY TRIGGER SENSITIVITY IN PRESSURE-SUPPORT MODE

K. Kawamae¹, Y. Shinohara¹, M. Nakane²

¹Anesthesiology, Yamagata University, Yamagata, Japan, ²Anesthesiology and Critical Medicine, Yamagata University, Yamagata, Japan

S-353 THE ANESTHESIA HUB- A MOBILE TOOL LAUNCHED TO IMPROVE ACCESS TO CRITICAL INFORMATION. THE EXPERIENCE OF A LARGE MULTICENTER ANESTHESIA ACADEMIC PRACTICE

L. I. Rodriguez, F. Gencorelli, D. Lubarsky

Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida

S-354 MISSING PHYSICAL EXAM- AUTOMATIC NOTIFICATIONS USED TO IMPROVE DOCUMENTATION

L. I. Rodriguez, D. Rico Mora, K. Candiotti

Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida

Anesthetic Pharmacology 3

Abstracts in Poster Discussion Round: S-42 – S-47
10:30 am – 12:00 pm

PR02-24

Poster Moderator: T. Angelotti, MD, PhD, Stanford University,
Stanford, California

S-42 ISOFLURANE EXTERNALIZES PHOSPHATIDYL SERINE IN HUMAN KIDNEY PROXIMAL TUBULE CELLS VIA REACTIVE OXYGEN SPECIES-MEDIATED INHIBITION OF AMINOPHOSPHOLIPID TRANSLOCASE ACTIVITY

H. Lee, M. Kim

Anesthesiology, Columbia University, New York, New York

S-43 RESPONSE SURFACE MODEL FOR PREDICTING WAKE- UP TIME DURING SEDATED GASTROINTESTINAL ENDOSCOPY USING MIDAZOLAM AND ALFENTANIL

C. Ting, J. Liou, M. Tsou

Department of Anesthesiology, Taipei Veterans General Hospital, Taipei, Taiwan

S-44 DEXMEDETOMIDINE, A SEDATIVE-ANALGESIC ADJUNCT IN ANESTHESIA, ACTS ON LIPID MEMBRANES: ONE OF POSSIBLE MECHANISMS

M. Mizogami¹, Y. Matsuki¹, K. Shigemitsu¹, H. Tsuchiya²

¹Department of Anesthesiology and Reanimatology, University of Fukui Faculty of Medical Sciences, Yoshida-gun, Fukui, Japan, ²Department of Dental Basic Education, Asahi University School of Dentistry, Mizuho, Gifu, Japan

S-45 XENON ANESTHESIA: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

L. Law¹, E. A. Lo², T. Gan³

¹Anesthesiology, Duke University, Durham, North Carolina, ²Pharmaceutical Sciences, UBC, Vancouver, British Columbia, Canada, ³Anesthesiology, Stony Brook University, Stony Brook, New York

S-46 NEUROPROTECTIVE EFFECTS OF DEXMEDETOMIDINE AGAINST THAPSIGARGIN –INDUCED ER STRESS MEDIATED APOPTOSIS INVOLVE IN $\alpha 2$ – ADRENOCEPTOR AND IMIDAZOLINE RECEPTOR

M. Inagaki, M. Somei, M. Tsuji, K. Oguchi

Pharmacology, Showa University, Tokyo, Japan



Subspecialty Physical Posters

PR02-24, continued

S-47 SEVOFLURANE UPTAKE AND ELIMINATION IN PIGS

S. Ho¹, C. Hou²

¹Anesthesiology, Taipei Veterans General Hospital, Taipei, Taiwan,
²Institute of Medical Sciences, National Defense Medical Center,
Taipei, Taiwan

Neuroscience in Anesthesiology and Perioperative Medicine 4
Abstracts in Poster Discussion Round: S-181 – S-188
10:30 am – 12:00 pm

PR02-25

Poster Moderator: G. Crosby, MD, Brigham and Women's Hospital, Boston, Massachusetts

S-181 KETAMINE INDUCES OLIGODENDROGLIA APOPTOSIS IN ADDITION TO NEURONAL LOSS IN DEVELOPING NON-HUMAN PRIMATE BRAIN

A. M. Brambrink¹, L. D. Martin², G. A. Dissen³, S. Johnson⁴, E. A. Olsen⁵, K. K. Noguchi⁶, J. Olney⁷

¹Anesthesiology and Perioperative Medicine, OHSU, Portland, Oregon, ²Oregon National Primate Research Center, Oregon Health and Science University, Portland, Oregon, OHSU, Portland, Oregon, ³Oregon National Primate Research Center, Oregon Health and Science University, Portland, Oregon, OHSU-ONPRC, Beaverton, Oregon, ⁴Department of Psychiatry, Washington University in St. Louis, Saint Louis, Missouri, ⁵Anesthesiology and Perioperative Medicine, OHSU, Portland, Oregon, ⁶Department of Psychiatry, Washington University in St. Louis, St. Louis, Missouri, ⁷Department of Psychiatry, Washington University, St. Louis, Missouri

S-182 SOME INDEXES OF CEREBRAL OXIMETRY HAVE PREDICTIVE VALUE FOR POST-OPERATIVE DELIRIUM IN PATIENTS UNDERGOING CAROTID ENDARTERECTOMY USING ROUTINE SHUNTING: "PROSPECTIVE STUDY"

B. Babakhani¹, N. Hosseinitabatabaei², M. Schott³, J. A. Jantzen⁴

¹Anesthesiology, International Neuroscience Institute, Brain and Spinal cord Injury Research Center, Tehran University of Medical Sciences, Iran, Nordstadt Academic Hospital, Hannover, Germany, ²Neurology, International Neuroscience Institute, Hannover, Germany, ³Anesthesiology, Intensive Care and Pain, KRH Klinikum Hannover, Hannover, Germany, ⁴Anesthesiology, Intensive Care and Pain, Klinikum Hannover Nordstadt, Hannover, Germany

S-183 SURGICAL INDICATION IS A RISK FACTOR FOR VAE IN NEUROSURGICAL PATIENTS UNDERGOING SURGERY IN SEMISITTING POSITION: RETROSPECTIVE STUDY OF 793 CASES

M. Schott¹, B. Babakhani², N. Hosseinitabatabaei³, G. Thurmer¹, M. Gaab⁴, J. Jantzen¹

¹Anesthesiology, Nordstadt Academic Hospital, Medical High School Hannover, Hannover, Germany, ²Anesthesiology, International Neuroscience Institute, Brain and Spinal cord Injury Research Institute, Tehran University of Medical Sciences; Nordstadt Academic Hospital, Medical High School Hannover, Hannover, Germany, ³Neurology, International Neuroscience Institute, Hannover, Germany, ⁴Neurosurgery, Nordstadt Academic Hospital, Medical High School Hannover, Hannover, Germany

S-184 ISOFLURANE BUT NOT SEVOFLURANE RESTORED ENDOTOXIN-INDUCED IMPAIRED HYPOCAPNIC CEREBRAL BLOOD FLOW RESPONSE IN RATS

H. Okamoto

Anesthesiology, Kitasato University School of Medicine, Sagamihara, Japan

S-185 SEVOFLURANE ALTERS MATURATION IN MOUSE HIPPOCAMPAL DENDRITIC SPINES VIA EFFECTS ON F-ACTIN POLYMERIZATION

J. H. Zimering¹, Y. Dong², Y. Zhang³, Z. Xie⁴

¹University of Rochester School of Medicine and Dentistry, Rochester, New York, Howard Hughes Medical Institute/Harvard Medical School, Boston, Massachusetts, ²Department of Anesthesia, Critical Care and Pain Medicine, Mass General Hospital, Boston, Massachusetts, ³Department of Anesthesia, Critical Care and Pain Medicine, Mass General Hospital and Harvard Medical School, Boston, Massachusetts, ⁴Department of Anesthesia, Critical Care and Pain Medicine, Mass General Hospital, Boston, Massachusetts, Howard Hughes Medical Institute/Harvard Medical School, Boston, Massachusetts

S-186 A NOVEL ELECTROPHYSIOLOGICAL MEASURE FOR FAST GABA-MEDIATED INHIBITION IN INTACT CIRCUITS OF RAT HIPPOCAMPAL BRAIN SLICES

B. D. Heifets¹, J. Nie¹, B. Sharma², B. MacIver¹

¹Anesthesiology, Stanford University, Stanford, California, ²Medical School, Louisiana State University, Kenner, Louisiana

S-187 CORTICAL SENSORY PROCESSING AND PROPOFOL-INDUCED LOSS OF CONSCIOUSNESS IN PRIMATES

Y. Ishizawa¹, S. R. Patel², O. J. Ahmed³, E. N. Brown¹

¹Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Neurosurgery, Massachusetts General Hospital, Boston, Massachusetts, ³Neurology, Massachusetts General Hospital, Boston, Massachusetts



Subspecialty Physical Posters

PRO2-25, continued

S-188 RAT CORTICAL NEURONS EXPOSED TO SEVOFLURANE AND DESFLURANE EXHIBIT DECREASED SYNAPTIC DEVELOPMENT

F. Xu¹, R. Armstrong¹, D. Urrego¹, M. Qazzaz¹, M. Pehar², J. N. Armstrong², N. I. Syed¹

¹Hotchkiss Brain Institute, University of Calgary, Calgary, Alberta, Canada, ²Department of Anesthesia, University of Calgary, Calgary, Alberta, Canada

Neuroscience in Anesthesiology and Perioperative Medicine 5
Abstracts in Poster Discussion Round: S-189 – S-196
10:30 am – 12:00 pm

PRO2-26

Poster Moderator: R. Whittington, MD, Columbia University, New York, New York

S-189 LIVE IMAGING OF APOPTOGENIC CHANGE INDUCED BY GENERAL ANESTHETIC NEUROTOXICITY IN DEVELOPING MOUSE

A. Konno¹, A. Nishimura¹, S. Nakamura², A. Yamada³, R. Kamijo³, T. Inoue², T. Iijima¹

¹Department of Perioperative Medicine Division of Anesthesiology, Showa University School of Dentistry, Tokyo, Japan, ²Department of Physiology, Showa University School of Dentistry, Tokyo, Japan, ³Department of Biochemistry, Showa University School of Dentistry, Tokyo, Japan

S-190 SEVOFLURANE POSTCONDITIONING IMPROVES IMPAIRED ENDOTHELIAL BRAIN BARRIER FUNCTION IN A RAT IN VITRO MODEL

T. Restin¹, M. Kajdi², M. Schläpfer², B. Beck-Schimmer²

¹Institute of Physiology, University Zurich, Zurich, Switzerland, ²Institute of Anesthesiology, University Hospital Zurich, Zurich, Switzerland

S-191 GABA(A) RECEPTOR ANTAGONISM BY THE MACROLIDE ANTIBIOTIC, CLARITHROMYCIN MEDIATES EXCITATION OF THE HIPPOCAMPUS, BUT DOES NOT HASTEN EMERGENCE IN A RODENT MODEL OF EMERGENCE FROM GENERAL ANESTHESIA

P. S. Garcia¹, J. A. Fidler¹, E. B. Murlin¹, A. Nash², L. M. Trotti³, D. B. Rye³, A. Jenkins⁴

¹Anesthesiology, Emory University / Atlanta VA Medical Center, Atlanta, Georgia, ²Psychiatry, Emory University School of Medicine, Atlanta, Georgia, ³Neurology, Emory University School of Medicine, Atlanta, Georgia, ⁴Anesthesiology, Emory University School of Medicine, Atlanta, Georgia

S-192 PREOPERATIVE CEREBROSPINAL FLUID BIOMARKERS PREDICT POSTOPERATIVE COGNITIVE DECLINE

L. A. Evered¹, B. Silbert¹, D. A. Scott¹, D. Ames², K. Blennow³

¹Anaesthesia, St. Vincent's Hospital, Melbourne, Australia, ²Anaesthesia, University of Melbourne, Melbourne, Australia, ³Clinical Neurochemistry, Sahlgrenska University, Gothenberg, Sweden

S-193 ESTRADIOL IS INVOLVED IN MEDIATING ELECTROENCEPHALOGRAPHIC HYPEREXCITATORY AND ANESTHETIC EFFECTS OF SEVOFLURANE IN NEONATAL RATS

J. Zhang¹, C. Xu², D. Puentes², C. Seubert², N. Gravenstein², A. Martynuk³

¹Anesthesiology, Zhengzhou University, Zhengzhou, China, ²Anesthesiology, University of Florida, Gainesville, Florida, ³Anesthesiology and Neuroscience, University of Florida, Gainesville, Florida

S-194 PREGABALIN CAN PREVENT BUT NOT REVERSE COGNITIVE DYSFUNCTION FOLLOWING ABDOMINAL SURGERY IN A RAT MODEL

S. Kaminaga¹, T. Kawano², S. Eguchi³, D. Yamanaka², H. Iwata², M. Yokoyama²

¹Center for Innovative and Translational Medicine, Kochi Medical School, Kochi, Japan, ²Anesthesiology, Kochi Medical School, Kochi, Japan, ³Anesthesiology, Tokushima University, Tokushima, Japan

S-195 THE AGING BRAIN: AN AGE-DEPENDENT ANALYSIS OF ELECTROENCEPHALOGRAPHIC DYNAMICS DURING PROPOFOL AND SEVOFLURANE GENERAL ANESTHESIA

P. Purdon, K. J. Pavone, O. Akeju, J. M. Lee, E. N. Brown
Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-196 METABOLIZER PHENOTYPES OF CYTOCHROME P450 ENCODING GENES AND POSTOPERATIVE COGNITIVE DYSFUNCTION

J. Steinmetz¹, C. Jespersgaard², L. S. Rasmussen¹

¹Anaesthesia, HOC 4231, Rigshospitalet, DK-2100 Copenhagen, Denmark, ²Clinical Biochemistry and Immunology, Statens Serum Institut, DK-2300 Copenhagen, Denmark



Subspecialty Physical Posters

Perioperative Anesthesia 2
Abstracts in Poster Discussion Round: S-298 – S-305
10:30 am – 12:00 pm

PR02-27

Poster Moderator: S. Beattie, MD, FRCPC, PhD, Toronto General Hospital, Toronto, Ontario, Canada

S-298 USE OF AN ELECTRONIC TRACKING AND DATA CAPTURE SYSTEM PAIRED WITH A SHARED RESPONSIBILITY MODEL TO MANAGE POST-ANESTHESIA EVALUATIONS AND MEASURE ANESTHETIC QUALITY

K. McCarty, V. Kurzweil, A. Agarwala
 Department of Anesthesia Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-299 THE PREDICTION OF POSTOPERATIVE OPIOID REQUIREMENTS IN CHRONIC OPIOID CONSUMING PATIENTS - A RETROSPECTIVE OBSERVATIONAL STUDY

K. Wakaizumi¹, N. Ihara¹, D. Nishimura¹, Y. Fukuda², S. Hashiguchi¹, H. Morisaki¹
¹Anesthesiology, Keio University School of Medicine, Tokyo, Japan, ²Anesthesiology, Tokyo Adventist Hospital, Tokyo, Japan

S-300 LONG-TERM SEQUELAE IN PATIENTS WHO EXPERIENCED A MALIGNANT HYPERTHERMIA EVENT

K. Werneid¹, S. Riazi², B. Brandom¹
¹Department of Anesthesiology, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania, ²Department of Anesthesiology, Toronto General Hospital, Toronto, Ontario, Canada

S-301 EFFECTS OF HEPARIN BRIDGING ANTICOAGULATION ON PERIOPERATIVE BLEEDING AND THROMBOEMBOLIC RISKS

K. Ono, H. Hidaka, Y. Koyama, K. Ishii
 Anesthesiology and Oncological Pain Medicine, Fukuyama City Hospital, Fukuyama, Japan

S-302 EPIDURAL ADMINISTRATION OF DROPERIDOL WITH PATIENT-CONTROLLED EPIDURAL ANALGESIA REDUCES POSTOPERATIVE NAUSEA AND VOMITING WITHOUT PROLONGATION OF QT INTERVAL FOR PATIENTS UNDERGO GYNECOLOGIC SURGERY, PARALLEL RANDOMIZED CONTROLLED STUDY

E. Nakajima¹, T. Iijima¹, H. Yokomichi², T. Hanawa³, K. Hanawa⁴, T. Matsukawa¹
¹Anesthesiology, University of Yamanashi Hospital, Chuo City, Japan, ²Department of Health Sciences, University of Yamanashi, Chuo City, Japan, ³Department of Pharmacy, Tokyo University of Science, Noda, Chiba, Japan, ⁴Pharmacy, Yamanashi Prefectural Central Hospital, Kofu, Yamanashi, Japan

S-303 COMPARING TARGETS FOR SURGICAL MORTALITY IMPROVEMENT

J. A. Hyder¹, E. Wakeam², J. Adler³, A. DeBord Smith⁴, S. Lipsitz⁵, L. L. Nguyen⁶
¹Anesthesiology, Mayo Clinic, Rochester, Minnesota, ²Surgery, University of Toronto, Toronto, Ontario, Canada, ³Surgery, Massachusetts General Hospital, Harvard School of Public Health, Massachusetts, ⁴Surgery, Brigham and Women's Hospital, Brigham and Women's Hospital, Minnesota, ⁵Internal Medicine, Harvard Medical School, Boston, Massachusetts, ⁶Surgery, Brigham and Women's Hospital, Brigham and Women's Hospital, Massachusetts

S-304 RISK FACTORS FOR UNPLANNED TRACHEAL INTUBATIONS IN GENERAL AND VASCULAR SURGERY PATIENTS

S. Devine¹, G. Magee², D. E. Stein³, G. S. Murphy⁴;
¹Outcomes Research, Merck, Olivette, Missouri, ²Outcomes Research, Premier, Charlotte, North Carolina, ³Surgery, Drexel University College of Medicine, Philadelphia, Pennsylvania, ⁴Anesthesia, North Shore University Health System, Evanston, Illinois

S-305 BIOREACTANCE SHOWS IMPAIRED CARDIAC FUNCTION IN ROBOTIC PROSTATECTOMY

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

Technology, Computing and Simulation, Equipment Monitoring 2
Abstracts in Poster Discussion Round: S-355 – S-361
10:30 am – 12:00 pm

PR02-28

Poster Moderator: J. Lichter, MD, Yale University School of Medicine, New Haven, Connecticut

S-355 ETHNOGRAPHIC STUDY OF RESPIRATORY ACOUSTIC MONITORING IN CHILDREN RECEIVING POSTOPERATIVE OPIOID INFUSIONS

M. Görges¹, N. C. West², N. A. Christopher², J. L. Koch³, N. Lowlaavar², S. M. Brodie², J. Ansermino²
¹Electrical and Computer Engineering, University of British Columbia, Vancouver, BC, Canada, ²Anesthesiology, Pharmacology, and Therapeutics, University of British Columbia, Vancouver, British Columbia, Canada, ³Neuroscience and Surgery, British Columbia Children's Hospital, Vancouver, British Columbia, Canada



Subspecialty Physical Posters

PR02-28, continued

S-356 TISSUE OXYGEN INDEX, BUT NOT REGIONAL OXYGEN SATURATION, REFLECTS CHANGES IN FOREARM BLOOD FLOW IN RESPONSE TO AVASCULARIZATION IN HUMANS

T. Akahori, E. Nakamura, Y. Yasuda, Y. Miyamoto, Y. Fujiwara, H. Kinoshita

Anesthesiology, Aichi Medical University School of Medicine, Nagakute, Japan

S-357 CLOSED-LOOP CONTROLLED PROPOFOL ANESTHESIA WITH REMIFENTANIL ADMINISTERED EITHER BY TARGET-CONTROLLED INFUSION OR CLOSED-LOOP CONTROL

S. M. Brodie¹, N. C. West¹, K. van Heusden², M. Görges², J. Ansermino¹, G. Dumont², R. N. Merchant¹

¹Anesthesia, University of British Columbia, Vancouver, British Columbia, Canada, ²Electrical and Computer Engineering, University of British Columbia, Vancouver, British Columbia, Canada

S-358 USE OF HILBERT TRANSFORMATION TO MONITOR PHYSIOLOGIC STRESS RESPONSE TO SIMULATED INTRAOPERATIVE CRISES

R. Dudaryk¹, J. Bohorquez², C. L. Bennett³, R. R. McNeer⁴

¹Anesthesiology, University of Miami, Miami, Florida, ²College of Biomedical Engineering, University of Miami, Miami, Florida, ³School of Music, University of Miami, Coral Gables, Florida, ⁴Anesthesiology, University of Miami Miller School of Medicine, Miami, Florida

S-359 ANESTHESIA RESIDENT ANTICIPATION DURING SIMULATION EXPERIMENTS MAY AFFECT PHYSIOLOGIC RESPONSES TO STRESS

R. Dudaryk¹, J. Bohorquez², C. L. Bennett³, R. R. McNeer⁴

¹Anesthesiology, University of Miami, Miami, Florida, ²College of Biomedical Engineering, University of Miami, Miami, Florida, ³School of Music, University of Miami, Coral Gables, Florida, ⁴Anesthesiology, University of Miami Miller School of Medicine, Miami, Florida

S-360 RIGHT VENTRICULAR DYSFUNCTION: ANOTHER CAUTION FOR FUNCTIONAL PRELOAD PARAMETERS TO PREDICT VOLUME RESPONSIVENESS IN A RABBIT MODEL

J. P. Bouchacourt¹, J. Riva¹, J. C. Grignola²

¹Anesthesiology, Hospital de Clinicas, Facultad de Medicina, UdelaR, Montevideo, Uruguay, ²Pathophysiology, Hospital de Clinicas, Facultad de Medicina, UdelaR, Montevideo, Uruguay

S-361 USING ELECTRONIC MEDICAL RECORDS FEATURES - ARE HARD-STOPS THE WAY TO IMPROVE DOCUMENTATION?

D. A. Rico Mora, L. I. Rodriguez, D. Sinclair, D. Lubarsky, K. Candiotti

Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida

Anesthetic Pharmacology 4

Abstracts in Poster Discussion Round: S-48 – S-54

12:00 pm – 1:30 pm

PR02-29

Poster Moderator: T. Krejcie, MD, Northwestern University, Chicago, Illinois

S-48 COMBINED NEUROPROTECTIVE EFFECT OF PROPOFOL AND DEXMEDETOMIDINE ON ER STRESS–MEDITATED APOPTOSIS IN NEUROBLASTOMA SH–SY5Y CELLS

M. Somei, M. Inagaki, M. Tsuji, K. Oguchi

Pharmacology, Showa University, Tokyo, Japan

S-49 PREOPERATIVE ORAL REHYDRATION AFFECTS PHARMACOKINETICS OF ROCURONIUM

S. Ishigaki¹, K. Masui¹, Y. Miyake², A. Kanaya², T. Ogura²

¹Anesthesiology, National Defense Medical College, Tokorozawa, Saitama, Japan, ²Anesthesiology, Japan Self Defense Force Hospital Yokosuka, Yokosuka, Kanagawa, Japan

S-50 NITROUS OXIDE FOR TREATMENT-RESISTANT MAJOR DEPRESSION: A PROOF-OF-CONCEPT TRIAL

P. Nagele¹, A. Duma¹, M. Kopec¹, C. F. Zorumski², C. Conway²

¹Anesthesiology, Washington University, St. Louis, Missouri, ²Psychiatry, Washington University, St. Louis, Missouri

S-51 PROSPECTIVE SINGLE BLINDED RANDOMIZED CONTROLLED STUDY COMPARING THE EFFICACY OF EPSILON-AMINOCAPROIC ACID AND TRANEXAMIC ACID IN PEDIATRIC PATIENTS UNDERGOING ELECTIVE IDIOPATHIC SCOLIOSIS CORRECTIVE SURGERY

K. Vivek, A. Appelstein, S. Nair, C. Balikai, M. Moguilevitch

Anesthesiology, Albert Einstein College of Medicine/Montefiore Med, New York, New York

S-52 AN IN VITRO STUDY OF DEXMEDETOMIDINE DISPOSITION IN NEONATAL/INFANT CARDIOPULMONARY BYPASS CIRCUITS

N. S. Wilder¹, D. B. Andropoulos², G. S. Moorthy³, T. A. Paugh⁴, K. K. Kibler², D. Wagner¹, A. F. Zuppa⁵

¹Anesthesiology, University of Michigan Health System, Ann Arbor, Michigan, ²Anesthesiology, Baylor College of Medicine, Houston, Texas, ³Center for Clinical Pharmacology, The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, ⁴Perfusion, University of Michigan Health System, Ann Arbor, Michigan, ⁵Anesthesiology and Critical Care Medicine, The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania



Subspecialty Physical Posters

PR02-29, continued

S-53 THE EFFECTS OF INTRAOPERATIVE DEXMEDETOMIDINE INFUSION ON POSTOPERATIVE BOWEL MOVEMENT IN PATIENTS UNDERGOING LAPAROSCOPIC GASTRECTOMY

J. Cho, Y. Yoo, W. J. Choi

Department of Anesthesiology and Pain Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea

S-54 BEHAVIOR OF ENDOTHELIAL GLYCOCALYX LAYER DURING SEPSIS IN MICE AS OBSERVED USING FLUORESCENCE IN VIVO MICROSCOPY

H. Kataoka¹, A. Ushiyama², H. Kawakami³, Y. Akimoto³, S. Matsubara³, H. Miyao⁴, T. Iijima¹

¹Department of Perioperative Medicine, Division of Anesthesiology, Showa University, School of Dentistry, Tokyo, Japan, ²Department of Environmental Health, National Institute of Public Health, Saitama, Japan, ³Department of Anatomy, Division of Microscopic Anatomy, Kyorin University, School of Medicine, Tokyo, Japan, ⁴Department of Anesthesiology, Saitama Medical Center, Saitama Medical University, Saitama, Japan

S-65 SEVOFLURANE AS OPPOSED TO PROPOFOL ANESTHESIA ALLEVIATES MYOCARDIAL ISCHEMIA AND REPERFUSION INJURY IN RABBITS VIA MITOCHONDRIAL MECHANISMS OF DISEASE

C. Lotz, T. Tischer-Zeitz, J. Stumpner, C. Blomeyer, A. Frank, N. Roewer, T. M. Smul

Anesthesia and Intensive Care, University of Wuerzburg, Wuerzburg, Germany

S-66 EVALUATION OF RELEVANCE FOR PERIOPERATIVE RISK OR BENEFITS AND TEMPERATURE MANAGEMENT DURING CARDIOPULMONARY BYPASS

Y. Taniguchi

Department of Anesthesiology, The Jikei University School of Medicine, Tokyo, Japan

S-67 REMOTE ISCHEMIC PRECONDITIONING ATTENUATES SHORT-TERM POSTOPERATIVE COGNITIVE IMPAIRMENT AFTER CARDIAC SURGERY

D. J. De Vry, J. A. Hudetz, K. M. Patterson, Z. Iqbal, S. D. Gandhi, P. S. Pagel

Anesthesia, Clement J Zablocki VA Medical Center, Milwaukee, Wisconsin

S-68 DIET INDUCED HYPERCHOLESTEROLEMIA AND METABOLIC SYNDROME LEAD TO INCREASED APOPTOSIS IN THE AORTA IN A SWINE MODEL

R. Saraf¹, T. Huang¹, J. B. Hubbard¹, K. Owais², F. Mahmood², R. Matyal²

¹Department of Anesthesia and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, ²Anesthesia, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-69 CA2+ / CALMODULIN-DEPENDENT PROTEIN KINASE IIδ IS ESSENTIAL FOR CARDIOPROTECTION BY DESFLURANE-INDUCED PRECONDITIONING: RESULTS OF A MURINE KNOCKOUT-STUDY

T. Tischer-Zeitz¹, J. Stumpner², C. Lotz², T. M. Smul³, N. Roewer²

¹Department of Anaesthesia and Critical Care, University Hospital of Wuerzburg, Wuerzburg, Germany, ²Department of Anaesthesia and Critical Care, University Hospital of Wuerzburg, Wuerzburg, Germany, ³Department of Anesthesia, UCSF, San Francisco, California

Cardiovascular Anesthesiology 2
Abstracts in Poster Discussion Round: S-63 – S-69
12:00 pm – 1:30 pm

PR02-30

Poster Moderator: M. Afifi, MD, Northwestern University, Chicago, Illinois

S-63 INTRAOPERATIVE RIGHT VENTRICULAR FRACTIONAL AREA CHANGE IS A GOOD INDICATOR OF RIGHT VENTRICULAR CONTRACTILITY: A RETROSPECTIVE COMPARISON USING TWO- AND THREE-DIMENSIONAL ECHOCARDIOGRAPHY

T. Imada, S. C. Shibata, Y. Matsumoto, A. Maeda, T. Kamibayashi, Y. Fujino

Department of Anesthesiology and Intensive Care Medicine, Osaka University Graduate School of Medicine, Suita, Osaka, Japan

S-64 MILRINONE AUGMENTS ENDOTHELIAL CELL SURVIVAL IN NORMOXIA AND HYPOXIA

J. H. Rim¹, J. Montoya-Gacharna¹, P. Butala²

¹Anesthesiology, New York University Medical Center, New York, New York, ²Plastic Surgery, New York University Medical Center, New York, New York



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Subspecialty Physical Posters

Critical Care 4

Abstracts in Poster Discussion Round: S-116 – S-122, S-124

12:00 pm – 1:30 pm

PRO2-31

Poster Moderator: G. Wagener, MD, College of Physicians and Surgeons of Columbia University, New York, New York

S-116 DYNAMIC CHANGE IN BACH1 EXPRESSION IN A RAT MODEL OF GLYCEROL-INDUCED ACUTE KIDNEY INJURY

M. Yamaoka¹, H. Shimizu¹, T. Takahashi², E. Omori¹, N. Tanioka¹, R. Nakamura¹, H. Morimatsu¹

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S-117 ASSESSMENT OF TRADITIONAL AND NOVEL CARDIOPULMONARY INDICES TO DETECT PNEUMOTHORAX IN A SWINE MODEL

M. Khan¹, M. Salter², N. Ribeiro Marques¹, D. Deyo¹, M. Kinsky¹, G. Kramer¹

¹Anesthesiology, University of Texas Medical Branch, Galveston, Texas, ²Anesthesiology, UTMB, Galveston, Texas

S-118 IMPLEMENTATION OF AN EXTUBATION CHECKLIST REDUCES MECHANICAL VENTILATION TIME AND HOSPITAL LENGTH OF STAY AFTER CARDIAC SURGERY

P. J. Neuberger¹, P. Ursomanno², A. Rabinovich², G. Cuff¹

¹Department of Anesthesiology, NYU Langone Medical Center, New York, New York, ²Department of Cardiothoracic Surgery, NYU Langone Medical Center, New York, New York

S-119 MODERATE TIDAL VOLUME MECHANICAL VENTILATION MAY AGGRAVATE POLY I:C-INDUCED LUNG INJURY VIA WISP1-INTEGRIN-TLR3 PATHWAY ON MICE MODEL

S. Jin, Z. Chen, X. Ding, Y. Tong, Q. Li

Anesthesiology, East Hospital, Shanghai, China

S-120 PLASMA LEVELS OF HISTIDINE-RICH GLYCOPROTEIN IN CRITICALLY ILL PATIENTS

K. Kuroda¹, H. Morimatsu¹, H. Wake², S. Mori³, M. Nishibori²

¹Anesthesiology and Resuscitology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan, ²Pharmacology, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan, ³Pharmacy, Shujitsu University, Okayama, Japan

S-121 CHRONIC PAIN INTERFERENCE OF DAILY LIFE FOLLOWING CRITICAL ILLNESS

C. J. Hayhurst¹, J. L. Thompson², C. G. Hughes¹

¹Anesthesia Critical Care, Vanderbilt University Medical Center, Nashville, Tennessee, ²Biostatistics, Vanderbilt University, Nashville, Tennessee

S-122 EARLY BIOMARKERS OF MYOCARDIAL INJURY

W. Boyle¹, T. Maruta², J. McQuillan¹, T. Yano², I. Tsuneyoshi², J. Morrissey¹, R. Bach³

¹Anesthesiology, Washington University in St. Louis, St. Louis, Missouri, ²Department of Anesthesiology and Intensive Care, Miyazaki Medical College, University of Miyazaki, Miyazaki, Japan, ³Medicine, Washington University in St. Louis, St. Louis, Missouri

S-124 MECHANICAL VENTILATION INCREASES ACTIVATION OF ALVEOLAR EPITHELIUM AND ENDOTHELIAL CELL SUR1/TRPM4 CHANNELS IN RATS: A NOVEL THERAPEUTIC MOLECULAR MODEL FOR VENTILATOR-INDUCED LUNG INJURY

C. M. Hong¹, C. Tosun², K. Keledjian², V. Gerzanich², J. Simard², L. Chua¹

¹Department of Anesthesiology and Critical Care Med, University of Maryland School of Medicine, Baltimore, Maryland, ²Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, Maryland

Economics, Education and Policy 3

Abstracts in Poster Discussion Round: S-142 – S-146

12:00 pm – 1:30 pm

PRO2-32

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

S-142 ARTERIAL CATHETERIZATION: BLIND PALPATION VS ULTRASOUND GUIDED TECHNIQUE. ON-GOING STUDY

J. Lee¹, Y. Yeap²

¹Department of Anesthesiology, Indiana University of School of Medicine, Indianapolis, Indiana, ²Dep. of Anesthesiology, Indiana University School of Medicine, Indianapolis, Indiana

S-143 AUTOMATED ONGOING PROFESSIONAL PERFORMANCE EVALUATION (OPPE) AS PART OF A 360° ASSESSMENT OF THE ACGME CORE COMPETENCIES FOR ANESTHESIOLOGY RESIDENTS

L. C. Fowler¹, J. P. Wanderer², B. S. Rothman¹, J. M. Ehrenfeld³, W. Sandberg¹, M. D. McEvoy¹

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Subspecialty Physical Posters

PR02-32, continued

S-144 USE AND EFFECT OF QUANTITATIVE FEEDBACK FOR LEARNING AND QUALITY IMPROVEMENT IN ANESTHESIOLOGY AT TWO ACADEMIC INSTITUTIONS: A COMPARATIVE CASE STUDY

A. Brovender¹, C. Mc Donnell², G. Baker³

¹Anesthesiology, Vancouver Coastal Health, Vancouver, British Columbia, Canada, ²Anesthesiology, The Hospital for Sick Children, Toronto, Ontario, Canada, ³Institute for Health Policy, Management and Evaluation, University of Toronto, Toronto, Ontario, Canada

S-145 THE EFFECTIVENESS OF TRADITIONAL VS. FLIPPED CLASSROOM STRATEGIES IN FELLOWSHIP DIDACTICS

R. Rahal¹, J. K. Alexander², J. Louro³, D. Darrah¹

¹Anesthesiology Critical Care, Columbia University, New York, New York, ²Anesthesiology Critical Care, Columbia University Medical Center, New York, New York, ³Anesthesiology Critical Care, Columbia University Medical Center/ NYP Hospital, New York, New York

S-146 ONGOING PROFESSIONAL PRACTICE EVALUATION(OPPE) METRICS IMPROVE COMPLIANCE WITH INTRAOPERATIVE HANDOFF PROCEDURES

J. Tan¹, J. R. Ruiz¹, J. Roquemore², C. Stevens², T. Rahlfs¹

¹Anesthesiology and Perioperative Medicine, MD Anderson Cancer Center, Houston, Texas, ²Office of Performance Improvement/ Clinical Operations Informatics, MD Anderson Cancer Center, Houston, Texas

Sleep 1
Abstracts in Poster Discussion Round: S-346 – S-348
12:00 pm – 1:30 pm

PR02-33

Poster Moderator: J. Charchafieh, MD, Yale University, New Haven, Connecticut

S-346 IMPACT OF MELATONIN ON SLEEP AND PAIN AFTER ORTHOPEDIC SURGERY UNDER REGIONAL ANESTHESIA WITH SEDATION: A DOUBLE BLIND RANDOMIZED PLACEBO CONTROLLED TRIAL

M. Kirksey¹, O. Stundner², D. Yoo¹, K. Fields¹, Y. Ma³, T. Danninger², S. Memtsoudis¹

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S-347 VALIDATION OF STOP-BANG QUESTIONNAIRE AS A SCREENING TOOL FOR OBSTRUCTIVE SLEEP APNEA PATIENTS AMONG DIFFERENT POPULATIONS. A SYSTEMATIC REVIEW AND META-ANALYSIS

M. Nagappa, J. Wong, P. Liao, F. Chung

Department of Anesthesia, Toronto Western Hospital, University of Toronto, University Health Network, Toronto, Ontario, Canada

S-348 THE PREDICTIVE PROBABILITY OF MODERATE TO SEVERE OBSTRUCTIVE SLEEP APNEA BY THE STOPBANG QUESTIONNAIRE

M. Nagappa, P. Liao, F. Chung

Department of Anesthesiology, Toronto Western Hospital, University Health Network, Toronto, Ontario, Canada

Technology, Computing and Simulation, Equipment Monitoring 3
Abstracts in Poster Discussion Round: S-362 – S-369
12:00 pm – 1:30 pm

PR02-34

Poster Moderator: J. McIsaac, MD, MS, Hartford Health Care, Hartford, Connecticut

S-362 ESTIMATION OF END-SYSTOLIC LEFT VENTRICULAR VOLUME (VED) WITH LEFT VENTRICULAR ARTERIAL COUPLING (EES/EA) AND STROKE VOLUME(SV)

M. Hayabuchi¹, Y. Obata¹, T. Hamada², H. Shigemi³, Y. Hayabuchi¹, M. Mizogami⁴, K. Shigemi⁵

¹Anesthesiology and Reanimatology, Faculty of Medical Science, University of Fukui, Fukui, Japan, ²Clinical Laboratory, University of Fukui Hospital, Fukui, Japan, ³Hematology, Faculty of Medical Science, University of Fukui, Fukui, Japan, ⁴Anesthesiology and Reanimatology, Faculty of Medical Sciences, University of Fukui, Fukui, Japan, ⁵Anesthesiology & Reanimatology, University of Fukui, Fukui, Japan

S-363 UNUSUAL CLINICAL CAPNOGRAM DUE TO SIDE-STREAM SAMPLING LEAK: MECHANISM BY NUMERICAL ANALYSIS

L. F. Breen¹, A. Rosenbaum², P. H. Breen²

¹Surgery, University of California-Irvine Medical Center, Orange, California, ²Anesthesiology and Perioperative Care, University of California-Irvine Medical Center, Orange, California

S-364 BROAD SPECTRUM SPECTROSCOPY OF THE PORCINE QUADRICEPTS MUSCLE TO DETECT OXIDATIVE STATE OF CYTOCHROME 2A

K. Ikeda, R. H. Thiele

Anesthesiology, University of Virginia, Charlottesville, Virginia



Subspecialty Physical Posters

PR02-34, continued

S-365 BROAD SPECTRUM SPECTROSCOPY FOR CHARACTERIZING CYTOCHROME aa3 OXIDATIVE STATE AS AN INDICATOR OF SEPSIS USING THE MICE SEPSIS MODEL

K. Ikeda, R. H. Thiele

Anesthesiology, University of Virginia, Charlottesville, Virginia

S-366 COMPARISON OF PAPER AND DIGITAL RECORDING OF EVENTS DURING SIMULATED CARDIAC ARREST WITH A NOVEL ELECTRONIC DECISION SUPPORT TOOL

C. L. Cropsey¹, A. L. Threatt², M. D. McEvoy¹

¹Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee, ²Health Informatics Technologies and Services, Vanderbilt University Medical Center, Nashville, Tennessee

S-367 USE OF A NOVEL MAINSTREAM CAPNOMETER SYSTEM FOR NON-INTUBATED CHILDREN IN THE POST ANESTHESIA CARE UNIT (PACU) NO ANIMAL USED

M. Nagoshi, P. Ross, R. C. Wetzel

Department of Anesthesiology, Children's Hospital Los Angeles, Los Angeles, California

S-368 DEVELOPMENT OF A SYSTEM TO PRE-EMPTIVELY IDENTIFY IMPENDING CO₂ ABSORBENT DEPLETION DURING LOW FRESH GAS FLOW ANESTHESIA

R. H. Epstein, D. Gratch, D. Maguire

Anesthesiology, Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, Pennsylvania

S-369 REDUCTION IN SEVOFLURANE FGF FOLLOWING INTRODUCTION OF A LITHIUM-BASED CO₂ ABSORBENT

R. H. Epstein¹, D. P. Maguire¹, F. Dexter²

¹Anesthesiology, Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, Pennsylvania, ²Anesthesia, University of Iowa, Iowa City, Iowa



Medically Challenging Cases ePosters

Medically Challenging Cases 10
Abstracts in Poster Discussion Round: MC-41– MC-44
7:00 am – 8:30 am Monitor 1

MCC02-10

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

MC-41 UNNECESSARY ANESTHESIA FOR MAGNETIC RESONANCE IMAGING IN A CHILD WITH COCHLEAR IMPLANT

K. Song, L. Capan
Anesthesiology, New York University, New York, New York

MC-42 TONGUE TIED AFTER SHOULDER SURGERY: A CASE SERIES AND REVIEW OF THE LITERATURE

M. Kraus, D. Rosenfeld, R. Caswell, T. Trentman
Anesthesia, Mayo Clinic Hospital, Phoenix, Arizona

MC-43 BILATERAL BRACHIAL PLEXUS INJURY AFTER PROLONGED TRENDELENBURG POSITION

R. Sarna¹, D. Palaniappan²
¹Anesthesiology, University of Connecticut, Hartford, Connecticut,
²Anesthesiology, Hartford Hospital, East Hartford, Connecticut

MC-44 CASE REPORT OF SUSPECTED HEPARIN-INDUCED THROMBOCYTOPENIA DETECTED ONLY BY IN VITRO PLATELET AGGREGATION INDUCED BY HEPARIN USED FOR AN ANTICOAGULANT EXAMINATION IN A PATIENT UNDERGOING ROBOT-ASSISTED RADICAL PROSTATECTOMY

N. Satoko, H. Niwa, M. Kitayama, K. Hirota
Department of Anesthesiology, Hirosaki University Graduate School of Medicine, Hirosaki, Japan

Medically Challenging Cases 11
Abstracts in Poster Discussion Round: MC-45– MC-50
7:00 am – 8:30 am Monitor 2

MCC02-11

Poster Moderator: TBD

MC-45 A SIMPLE NASAL CPAP MASK ASSEMBLY IMPROVED OXYGENATION AND PROACTIVELY PREVENTED SEVERE DESATURATION DURING EMERGENCY INTUBATION OF A DYSPNEIC PATIENT WITH SEVERE TRACHEAL COMPRESSION BY A MASSIVE NECK/MEDIASTINAL MASS

M. Wu¹, N. Nanavati¹, R. Jongco¹, J. S. Hanna², T. Jan¹, J. Tse¹
¹Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey, ²Surgery, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MC-46 TREATING ACUTE OXYGEN DESATURATION DURING DEEP SEDATION WITH A NOVEL DOUBLE LUMEN NASOPHARYNGEAL CATHETER

A. B. King¹, B. D. Alvis², D. Hester¹, M. Higgins¹
¹Anesthesiology and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, ²Anesthesiology and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee

MC-47 COUGHING BUT NO LARYNGOSPASM? AN UNUSUAL PRESENTATION OF NEGATIVE PRESSURE PULMONARY EDEMA

A. Ardon, S. Pak, E. De Leon
Anesthesiology, University of Florida, Jacksonville, Florida

MC-48 AIRWAY MANAGEMENT AND ANESTHETIC CONSIDERATIONS IN A CHILD WITH HUNTER SYNDROME

V. H. Patel
Anesthesiology, Saint Barnabas Medical Center, Livingston, New Jersey

MC-49 MANAGEMENT OF A SURGICAL TRACHEAL TEAR DURING LAPAROSCOPIC TRANSHIATAL ESOPHAGECTOMY

M. Schlangel, E. Nishanian
Cardiothoracic Anesthesiology, NYP Columbia University, New York, New York

MC-50 A CASE OF THE DIFFICULT PEDIATRIC AIRWAY: A 5 MONTH OLD PRESENTING WITH PROGRESSIVE QUADRAPARESIS

M. Petrie, L. Leduc, M. A. Ehlers
Department of Anesthesiology, Albany Medical Center, Albany, New York

Medically Challenging Cases 12
Abstracts in Poster Discussion Round: MC-51– MC-54
7:00 am – 8:30 am Monitor 3

MCC02-12

Poster Moderator: B. Preckel, MD, MA, DEAA, Academic Medical Center, University of Amsterdam, Amsterdam, Netherlands

MC-51 INTRAOPERATIVE MYOCARDIAL ISCHEMIC MANIFESTING AS SEVERE MITRAL REGURGITATION DURING NEOAORTOILIAC SYSTEM PROCEDURE

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MCC02-12, continued

MC-52 INCIDENTAL ATRIAL SEPTAL DEFECT DISCOVERED DURING TRANSESOPHAGEAL ECHOCARDIOGRAPHY FOR CORONARY ARTERY BYPASS SURGERY

C. W. Shavit

Department of Anesthesia and Perioperative Care, UCSF, San Francisco, California

MC-53 REMOVAL OF SADDLE PULMONARY EMBOLUS USING TEE-GUIDED ANGIOVAC DEVICE AND VENO-ARTERIAL ECMO

J. R. Renew¹, E. D. Wittwer¹, W. K. Freeman², M. Fritock¹

¹Anesthesiology, Mayo Clinic, Rochester, Minnesota,

²Cardiovascular Diseases, Mayo Clinic, Rochester, Minnesota

MC-54 EXCHANGE TRANSFUSION DURING PULMONARY THROMBOENDARTERECTOMY IN A PATIENT WITH PYRUVATE KINASE DEFICIENCY

E. Boudreau, D. Roth, T. Griffiths

Anesthesiology, University of California San Diego, San Diego, California

Medically Challenging Cases 13

Abstracts in Poster Discussion Round: MC-56– MC-60

8:30 am – 10:00 am Monitor 1

MCC02-13

Poster Moderator: M. Lovrinčević, MD, Roswell Park Cancer Institute, Buffalo, New York

MC-56 INTRA-OPERATIVE CONTRAST DYE ALLERGIC REACTION: TOO MUCH DYE?

A. Shah, F. Orza, D. V. Orza

Anesthesiology, University of Illinois Chicago, Chicago, Illinois

MC-57 INTRAOPERATIVE SEIZURE DURING MONITORED ANESTHESIA CARE

C. W. Shavit, M. Harbell

Department of Anesthesia and Perioperative Care, University of California San Francisco, San Francisco, California

MC-58 A CASE OF SEVERE LEG PAIN AT EMERGENCE FROM ANESTHESIA THAT RESULTED IN POSTOPERATIVE DIAGNOSIS BY THE ANESTHESIOLOGIST

F. Yanase¹, R. Matsumoto², M. Kato³

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²Department of Anesthesiology, International University of Health and Welfare, Nasushiobara, Japan, ³Department of Anesthesiology, International University of Health and Welfare Sioya Hospital, Yaita, Japan

MC-59 A PATIENT WITH STEVENS-JOHNSON SYNDROME: UNIQUE CHALLENGES FOR THE ANESTHESIOLOGIST

I. Asbahi, S. Chaudhuri, K. Chaudhuri

Department of Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas

MC-60 PROGRESSIVE SOMNOLENCE IN THE PACU AFTER A MINOR PROCEDURE

N. Townsend, J. Maloney, R. E. Caswell

Anesthesiology, Mayo Clinic, Phoenix, Arizona

Medically Challenging Cases 14

Abstracts in Poster Discussion Round: MC-61 – MC-64

8:30 am – 10:00 am Monitor 2

MCC02-14

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

MC-61 A CASE REPORT OF VV ECMO IN A NON-HODGKIN LYMPHOMA PATIENT WITH SEVERE RESPIRATORY DISTRESS AND PJP

J. Blum, C. Cook

Department of Anesthesiology, Emory University, Atlanta, Georgia

MC-62 UNEXPLAINED METABOLIC ACIDOSIS WITH FATALITY IN A CRITICALLY ILL PATIENT RECEIVING LOW DOSE PROPOFOL INFUSION

J. Mukherji, N. Mehta, W. Jellish

Anesthesiology, Loyola University Medical Center, Maywood, Illinois

MC-63 IDIOPATHIC VERAPAMIL SENSITIVE VENTRICULAR TACHYCARDIA AFTER TRANSHIATAL ESOPHAGECTOMY

M. J. Qadri, G. Shah, E. Weyers

Anesthesiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

MC-64 DELAYED MYOCARDIAL RECOVERY REQUIRING ISOLATED RIGHT VENTRICULAR ASSIST DEVICE AFTER INFERIOR MYOCARDIAL INFARCTION

H. Bell, T. Mulaikal

Anesthesiology, New York Presbyterian Columbia University Medical, New York, New York



Medically Challenging Cases ePosters

Medically Challenging Cases 15
Abstracts in Poster Discussion Round: MC-65– MC-68
8:30 am – 10:00 am Monitor 3

MCC02-15

Poster Moderator: C. Wong, MD, Northwestern University, Chicago, Illinois

MC-65 MASSIVE OBSTETRIC HEMORRHAGE: RAPID INFUSION DEVICES CAN SIMPLIFY FLUID MANAGEMENT AND IMPROVE PATIENT SAFETY

C. C. Campbell¹, M. A. Brady², E. Brock², V. Yajnik¹, A. D. Colquhoun¹

¹Anesthesiology, Virginia Commonwealth University Medical Center, Richmond, Virginia, ²Obstetrics and Gynecology, Virginia Commonwealth University Medical Center, Richmond, Virginia

MC-66 ANESTHETIC MANAGEMENT OF A PREGNANT PATIENT WITH MARFAN SYNDROME COMPLICATED BY AORTIC ROOT DILATATION AND KYPHOSCOLIOSIS

L. To¹, K. Khatri², I. Gasanova³

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MC-67 ANESTHETIC MANAGEMENT OF PARTURIENT WITH MULTIPLE MITRAL VALVE REPLACEMENTS, ARRHYTHMIA AND CONGESTIVE HEART FAILURE

L. Chua¹, S. Bharadwaj², A. Malinow², C. M. Hong², S. Nagle²

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MC-68 AMNIOTIC FLUID EMBOLISM DURING A ROUTINE DILATION AND CURETTAGE

K. Ng

Anesthesiology, Kaiser Permanente, Walnut Creek, California

Medically Challenging Cases 16
Abstracts in Poster Discussion Round: MC-69– MC-72
10:30 am – 12:00 pm Monitor 1

MCC02-16

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

MC-69 LUDWIG'S ANGINA COMPLICATED BY CERVICAL NECROTIZING FASCIITIS AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING ROUTINE WISDOM TOOTH EXTRACTION

M. J. Plakke, D. J. Kurian, Y. Low, D. S. Warner

Anesthesiology, Duke University Medical Center, Durham, North Carolina

MC-70 FATAL CARDIAC ARREST FROM MASSIVE THROMBOEMBOLISM DURING VIDEO-ASSISTED THOROSCOPIC SURGERY

P. W. Yun, P. T. Kanelos, L. Contois

Anesthesiology, University of Connecticut, Farmington, Connecticut

MC-71 FLUOROSCOPICALLY-GUIDED LEFT STELLATE GANGLION BLOCK FOR REFRACTORY VENTRICULAR TACHYCARDIA IN THE INTENSIVE CARE UNIT

A. B. Shapiro, K. D. Marcus, E. E. Harlan, Z. McMillan, B. J. Newhouse

Anesthesiology, University of California San Diego, San Diego, California

MC-72 FAT EMBOLI SYNDROME RESULTING IN SEVERE INTRACRANIAL HYPERTENSION

C. L. Barry, G. A. Schultz

Anesthesiology, University of Cincinnati Medical Center, Cincinnati, Ohio

Medically Challenging Cases 17
Abstracts in Poster Discussion Round: MC-73– MC-76
10:30 am - 12:00 pm Monitor 2

MCC02-17

Poster Moderator: F. Peralta, MD, Northwestern University Feinberg School of Medicine, Chicago, Illinois

MC-73 OBSTETRIC MANAGEMENT OF A PARTURIENT WITH TETRALOGY OF FALLOT AND SEVERE PULMONIC STENOSIS

D. Bracken, A. A. Darwich, S. Abramovitz

Anesthesiology, NYPH - Weill Cornell Medical Center, New York, New York

MC-74 PREGNANCY AND ACUTE RESPIRATORY SYNDROME(ARDS): DETERIORATING RESPIRATORY STATUS IN A SUPER OBESE FEMALE LEADING TO ICU BEDSIDE CESAREAN DELIVERY

E. M. Pages, L. Germond, S. C. Couch

Anesthesiology, Ochsner Medical Center, New Orleans, Louisiana

MC-75 FLASH PULMONARY EDEMA IN PREECLAMPSIA: BIPAP IS A VIABLE ALTERNATIVE TO INTUBATION

L. K. Hale

Anesthesiology and Critical Care Medicine, Stanford University, Palo Alto, California

MC-76 ANESTHETIC MANAGEMENT OF PARTURIENT WITH MARFAN'S SYNDROME, PROGRESSIVE SEVERE AORTIC DILATION AND DURAL ECTASIA

T. Dirda, L. Deriy, E. Torgeson

Anesthesiology, University of New Mexico, Albuquerque, New Mexico



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Medically Challenging Cases 18
Abstracts in Poster Discussion Round: MC-77– MC-81
10:30 am – 12:00 pm Monitor 3

MCC02-18

Poster Moderator: M. Rosenblatt, MD, Mt. Sinai, New York, New York

MC-77 INTERCOSTAL NERVE CATHETER FOR POSTOPERATIVE CHEST TUBE SITE PAIN CONTROL IN PATIENT UNDERGOING VIDEO-ASSISTED THOROSCOPIC SURGERY

K. Vivek¹, J. J. Gonzalez²

¹Anesthesiology, Albert Einstein College of Medicine/Montefiore Med, New York, New York, ²Anesthesiology, Cleveland Clinic, Cleveland, Ohio

MC-78 THE USE OF EXPAREL IN AN AXILLARY BLOCK FOR PROLONGED POSTOPERATIVE ANALGESIA

R. T. Lawhon, R. LaCivita, J. Fanouse, D. E. Feerman

Anesthesiology, Maimonides Medical Center, Brooklyn, New York

MC-79 SUCCESSFUL RESUCITATION FROM ROPIVACAINE-INDUCED CARDIAC ARREST AFTER SUPRACLAVICULAR BLOCK: AN ATYPICAL PRESENTATION OF LAST

O. Azizad¹, B. D. Adams², I. Gasanova³, G. Hill³, G. P. Joshi³

¹Department of Anesthesiology, Parkland Health and Hospital System, Dallas, Texas, ²Department of Anesthesiology, Spine Care and Pain Management, Athens, Georgia, ³Department of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

MC-80 INTERCOSTAL NERVE BLOCKS USING LIPOSOMAL BUPIVACAINE IN LIEU OF A THORACIC EPIDURAL

M. So¹, Z. Turnbull¹, A. Pedoto²

¹Anesthesiology, NYPH Weill Cornell Medical Center, New York, New York, ²Anesthesiology, Memorial Sloan Kettering Cancer Institute, New York, New York

MC-81 INTRANEURAL SCIATIC NERVE BLOCK FOR PATIENT UNDERGOING ABOVE KNEE AMPUTATION SURGERY

K. Vivek¹, J. J. Gonzalez²

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Medically Challenging Cases 19
Abstracts in Poster Discussion Round: MC-82 – MC-85
12:00 pm – 1:30 pm Monitor 1

MCC02-19

Poster Moderator: M. Hollmann, MD, PhD, DEAA, Academic Medical Center Amsterdam, Amsterdam, Netherlands

MC-82 SUDDEN HYPOXEMIA AFTER UNEVENTFUL LAPAROSCOPIC CHOLECYSTECTOMY. ANOTHER FORM OF SAM

M. Tsuge, Y. Fujita, H. Nakatsuka

Anesthesia and Intensive Care Medicine, Kawasaki Medical School Hospital, Kurashiki City, Japan

MC-83 FONTAN PHYSIOLOGY WITH SITUS INVERSUS FOR LAPAROSCOPIC CHOLECYSTECTOMY, NON ANIMAL STUDY

R. Venkataramani, V. Patel, N. Lingaraju

Anesthesiology, Drexel University College of Medicine, Philadelphia, Pennsylvania

MC-84 A CASE OF PEDIATRIC PULMONARY ARTERIAL HYPERTENSION PERFORMED LUNG TRANSPLANTATION BEFORE CONTINUOUS INTRAVENOUS EPOPROSTENOL THERAPY

S. Mitsui¹, S. Kimura¹, M. Kobayashi², H. Yatsuzuka¹, H. Morimatsu²

¹Anesthesiology, Fukuyama Medical Center, Hiroshima, Japan, ²Anesthesiology, Okayama University Hospital, Okayama, Japan

MC-85 VENO-VENOUS EXTRACORPOREAL MEMBRANE OXYGENATION FOR THORACIC FALSE ANEURYSM RUPTURE: A CASE REPORT

K. Takahashi¹, W. Takayama¹, T. Kamada¹, Y. Kobayashi²

¹Anesthesiology, Kawasaki Saiwai Hospital, Kawasaki, Kanagawa, Japan, ²Anesthesiology, NHO Tokyo Medical Center, Tokyo, Japan

Medically Challenging Cases 20
Abstracts in Poster Discussion Round: MC-87 – MC-89
12:00 pm – 1:30 pm Monitor 2

MCC02-20

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

MC-87 ATRIOVENTRICULAR SEQUENTIAL PACING FOR HYPERTROPHIC CARDIOMYOPATHY DURING LIVER TRANSPLANTATION

S. Pai¹, S. Aniskevich¹, J. L. Blackshear², D. K. Perry³

¹Anesthesiology, Mayo Clinic Florida, Jacksonville, Florida, ²Internal Medicine, Mayo Clinic Florida, Jacksonville, Florida, ³Transplant, Mayo Clinic Florida, Jacksonville, Florida



Medically Challenging Cases ePosters

MCC02-20, continued

**MC-88 ANESTHESIA FOR SURGICAL RESECTION OF A
LEIOMYOSARCOMA OF INFERIOR VENA CAVA WITH
AUTO LIVER TRANSPLANTATION UNDERNEATH THE
EXTRACORPOREAL CIRCULATION**

A. Nakao, *K. Nishioka, T. Ichinomiya, I. Shibata, T. Hara*
Anesthesiology, Nagasaki University, Nagasaki, Japan

**MC-89 A CASE OF HEMORRHAGE REDUCED BY TRANEXAMIC
ACID TREATMENT USING ROTEM™ DURING HARTMANN'S
PROCEDURE IN A LIVER CIRRHOSIS PATIENT**

K. Okamura, *M. Kodaka, J. Ichikawa, M. Komori*
Anesthesiology and Intensive Care, Tokyo Women's Medical
University Medical Center East, Tokyo, Japan

Medically Challenging Cases 21

Abstracts in Poster Discussion Round: MC-90 – MC-93

12:00 pm – 1:30 pm Monitor 3

MCC02-21

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

MC-90 AN UNUSUAL CASE OF METHOTREXATE TOXICITY

D. Cotoi

Critical Care, Dartmouth Hitchcock Medical Center, Lebanon,
New Hampshire

**MC-91 THE USE OF NEURALLY ADJUSTED VENTILATORY
ASSIST IN SEVERE ACUTE RESPIRATORY DISTRESS
SYNDROME WITH INFLUENZA PNEUMONIA
UNDERGOING EXTRACORPOREAL MEMBRANE
OXYGENATION**

S. Okahara, *K. Shimizu, M. Hayashi, H. Morimatsu*
Department of Anesthesiology and Resuscitology, Okayama
University Hospital, Okayama, Japan

MC-92 AMLODIPINE TOXICITY: CHALLENGES IN MANAGEMENT

K. Youngren, *J. Zorn*

Anesthesia, University of Connecticut, West Hartford, Connecticut

**MC-93 SEVERE ACUTE CARDIORESPIRATORY FAILURE RELATED TO
MRI CONTRAST REACTION: SUCCESSFUL RESUSCITATION
WITH EXTRACORPOREAL MEMBRANE OXYGENATION**

D. Sanghavi¹, *P. Guru*¹, *H. Tan*¹, *E. D. Wittwer*², *G. Schears*²

¹Critical Care Medicine, Mayo Clinic, Rochester, Minnesota,

²Anaesthesiology, Mayo Clinic, Rochester, Minnesota



Moderated Poster Discussion Rounds • Sunday, March 22

Resident ePosters

Cardiovascular Anesthesiology 1
Abstracts in Poster Discussion Round: S-407 – S-412
10:30 am – 12:00 pm Monitor 4

RES02-10

Poster Moderator: M. Afifi, MD, Northwestern University, Chicago, Illinois

S-407 NONCARDIAC SURGERY IN PATIENTS WITH HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY

T. L. Behrend, D. W. Barbara, J. A. Hyder, W. Mauermann
Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-408 INCIDENCE OF POSTOPERATIVE ACUTE KIDNEY INJURY AND TRANSFUSION OF BLOOD PRODUCTS AFTER SYNTHETIC COLLOID ADMINISTRATION DURING CARDIAC SURGERY

R. Nanayakkara¹, Z. Li², S. Truong¹, H. Liu¹

¹Anesthesiology and Pain Medicine, UC Davis Medical Center, Sacramento, California, ²Internal Medicine, UC Davis Medical Center, Sacramento, California

S-409 MINOCYCLINE INDUCED DISCOLORATION OF VASCULAR STRUCTURES MIMICKING DISSECTION

J. Lee¹, D. Palaniappan²

¹Anesthesiology, University of Connecticut, Farmington, Connecticut, ²Anesthesiology, Hartford Hospital, Hartford, Connecticut

S-410 IMPACT OF RETAINED BLOOD IN PERICARDIAL AND PLEURAL CAVITIES ON OUTCOME AFTER CARDIAC SURGERY

F. Balzer, M. Habicher, V. Mezger, M. Sander, C. von Heymann
Department of Anesthesiology and Intensive Care Med, Charité - Universitätsmedizin Berlin, Berlin, Germany

S-411 THE USE OF DEXMEDETOMIDINE AND INTRAVENOUS ACETAMINOPHEN FOR THE PREVENTION OF POSTOPERATIVE DELIRIUM IN CARDIAC SURGERY PATIENTS OVER 60 YEARS OF AGE: A PILOT STUDY

J. O'Neal¹, S. Dighe¹, K. Gray¹, A. Lerner¹, D. Talmor¹, E. Marcantonio², B. Subramaniam¹

¹Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts, ²Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts

S-412 PREDICTORS OF PERMANENT PACEMAKER FOLLOWING TRANS-CATHETER AORTIC VALVE REPLACEMENT

M. J. Hoyt¹, M. Beach², J. Hathaway³

¹Anesthesia, Dartmouth Hitchcock Medical Center, Enfield, New Hampshire, ²Anesthesiology, Dartmouth Medical School, Lebanon, New Hampshire, ³Anesthesiology, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire

Medically Challenging Case Reports 4
Abstracts in Poster Discussion Round: S-455 – S-460
10:30 am – 12:00 pm Monitor 5

RES02-11

Poster Moderator: A. Abramowicz, MD, Albert Einstein College of Medicine Montefiore Medical Center, Bronx, New York

S-455 A CASE OF LATE ONSET HORNER SYNDROME FOLLOWING ULTRASOUND-GUIDED SUPRACLAVICULAR BRACHIAL PLEXUS BLOCK FOR POSTOPERATIVE PAIN MANAGEMENT AFTER INTERNAL FIXATION OF A LEFT HUMERUS FRACTURE

M. R. Aerni¹, I. Gasanova², G. P. Joshi²

¹Anesthesiology and Pain Management, Parkland Health and Hospital System, Dallas, Texas, ²Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-456 ROLE OF PERIOPERATIVE ECHOCARDIOGRAPHY PERFORMED BY ANESTHESIOLOGIST IN DIAGNOSIS OF HEMODYNAMIC COLLAPSE DUE TO AIR EMBOLISM

J. Benitez Lopez¹, R. Dudaryk¹, D. B. Covington²

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S-457 HOW VITAL IS A PREINDUCTION MACHINE CHECK? LESSONS LEARNED AFTER FAILURE TO VENTILATE

N. Gharibjanians, V. Tateosian

Anesthesiology, Saint Barnabas Medical Center, Livingston, New Jersey

S-458 MULTI-SEDATIVE THERAPY FOR AN OBESE PATIENT WITH SEVERE PULMONARY HYPERTENSION UNDERGOING PERCUTANEOUS CORONARY INTERVENTION

N. Abitbol, S. Goldstein

Anesthesiology, Montefiore Medical Center, Bronx, New York

S-459 UNANTICIPATED EMERGENCY CRICOTHYROTOMY IN A HEALTHY PARTURIENT

G. Paek¹, S. McConville¹, K. Kennington², B. S. Chortkoff¹

¹Anesthesiology, University of Utah, Salt Lake City, Utah, ²Anesthesiology, University of Utah, Bountiful, Utah

S-460 PERSISTENT LEFT SUPERIOR VENA CAVA AND ITS SIGNIFICANCE TO AN ANESTHESIOLOGIST

M. T. Albert¹, S. Lee¹, S. R. Musuku²

¹Anesthesiology, Albany Medical Center, Albany, New York, ²Anesthesiology, Albany Medical Center, WaterVliet, New York



Resident ePosters

Neuroscience in Anesthesiology & Perioperative Medicine
Abstracts in Poster Discussion Round: S-482 – S-489
10:30 am – 12:00 pm Monitor 6

RES02-12

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

S-482 REMOTE ISCHEMIC PRE-CONDITIONING CAN MODULATE THE SYSTEMIC RESPONSE TO VVS AND DECREASES SYNCOPAL EPISODES IN RAT MODELS

S. Soliman¹, D. McBride², J. Zhang³, R. Applegate⁴, J. Tang², A. Barnett⁵

¹Anesthesia, Loma Linda University Health, Redlands, California, ²Neuroscience, Loma Linda University Health, Loma Linda, California, ³Neuroscience, Loma Linda University, Loma Linda, California, ⁴Anesthesiology, Loma Linda University School of Medicine, Loma Linda, California, ⁵Anesthesia, Loma Linda University Health, Loma Linda, California

S-483 TREATMENT OF REFRACTORY VENTRICULAR ARRHYTHMIAS WITH DEXMEDETOMIDINE: TWO CASE REPORTS

A. Quan¹, J. Turnbull²

¹Anesthesiology, UCSF, San Francisco, California, ²Anesthesiology, University of California, San Francisco, San Francisco, California

S-484 ACUTE PAIN AFTER CRANIOTOMY IN NEUROVASCULAR SURGERY

W. Smith¹, J. Chang¹, M. Lecours², L. Hannegan³, M. Lawton³, A. Gelb¹, C. Lee¹

¹Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California, ²Anesthesia and Perioperative Care, Hopital Enfant-Jesus, Quebec, Canada, ³Neurosurgery, University of California, San Francisco, San Francisco, California

S-485 UTILITY OF LONG ARM CENTRAL VENOUS LINE IN NEUROSURGICAL PROCEDURES WITH VENOUS AIR EMBOLISM (VAE)

A. S. Abcejo, J. Pasternak, W. Perkins

Department of Anesthesiology, Mayo Clinic, Rochester, Rochester, Minnesota

S-486 REDUCED SURGICAL BLEEDING WITH PRETREATMENT OF SPRAGUE DAWLEY RATS WITH C. ATROX VENOM: IDENTIFICATION OF POTENTIAL TARGET PROTEINS

M. Barnhart¹, R. N. Raval¹, K. L. Hay², S. Soliman³, R. Applegate⁴, J. Zhang⁵

¹Anesthesiology, Loma Linda University, Loma Linda, California, ²Hematopathology, Loma Linda University, Loma Linda, California, ³Anesthesiology, Loma Linda University Health, Redlands, California, ⁴Anesthesiology, Loma Linda University School of Medicine, Loma Linda, California, ⁵Physiology, Loma Linda University, Loma Linda, California

S-487 PROTECTIVE ROLE OF FINGOLIMOD (FTY720) IN RATS SUBJECTED TO SUBARACHNOID HEMORRHAGE

F. Vetri¹, H. Xu¹, D. A. Pelligrino¹, C. Paisansathan¹, F. Testai²

¹Anesthesiology, University of Illinois at Chicago, Chicago, Illinois, ²Neurology, University of Illinois at Chicago, Chicago, Illinois

S-488 EXTRACELLULAR GLUTAMATE IS SIGNIFICANTLY ELEVATED IN THE HIPPOCAMPUS OF AWAKE-BEHAVING AGED FISCHER-344 RATS COMPARED TO YOUNG RATS FOLLOWING CRANIOTOMY

M. L. Humeidan¹, S. Bergese¹, V. A. Davis², G. A. Gerhardt³

¹Anesthesiology, The Ohio State University Wexner Medical Center, Columbus, Ohio, ²Laboratory Animal Resources, Veterinary Research Services, University of Kentucky, Lexington, Kentucky, ³Anatomy and Neurobiology, University of Kentucky College of Medicine, Lexington, Kentucky

S-489 THE INTRAOPERATIVE EFFECT OF METHADONE ON SOMATOSENSORY EVOKED POTENTIALS

M. M. Higgs¹, R. J. Hackworth¹, J. King¹, R. Riffenburgh¹, J. Tomlin², B. Wamsley¹

¹Anesthesia, Naval Medical Center San Diego, San Diego, California, ²Neurosurgery, Naval Medical Center San Diego, San Diego, California

Economics, Education and Policy 2 & Airway Management 2
Abstracts in Poster Discussion Round: S-402, S-428 – S-431
12:00 pm – 1:30 pm Monitor 4

RES02-13

Poster Moderator: L. Knox, MD, University Texas Medical Branch, Galveston, Texas

S-402 YOUTUBE AS A PLEBEIAN SOURCE OF KNOWLEDGE FOR LABOR EPIDURAL ANALGESIA: MISCONCEPTIONS UNRAVELED

M. Tickoo¹, A. Bardia², J. Jainandunsing², B. Jachna²

¹Medicine, BMC, Boston, Massachusetts, ²Anesthesia, Critical Care and Pain Medicine, BIDMC, Boston, Massachusetts

S-428 READABILITY AND CONTENT ASSESSMENT OF WEB-BASED PATIENT EDUCATION MATERIALS ADDRESSING NEURAXIAL LABOR ANALGESIA

H. C. Goucher¹, S. K. Patel¹, C. A. Wong², P. Toledo¹

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Moderated Poster Discussion Rounds • Sunday, March 22

Resident ePosters

RES02-13, continued

S-429 TRANSITION OF CARE PROCESS BY GRADUATING MEDICAL STUDENTS IN A SIMULATED CRISIS SITUATION USING A COGNITIVE AID

B. Ginter, *A. Rebel, A. DiLorenzo, M. F. Lukens, J. S. Dority, Z. Hassan*³
Anesthesiology, University of Kentucky, Lexington, Kentucky

S-430 THE SHIFT IN ANESTHESIOLOGIST PRACTICE PATTERNS DURING A DRUG SHORTAGE

T. W. Engar, *A. Slee, R. Hsiung*
Anesthesiology, Virginia Mason Medical Center, Seattle, Washington

S-431 IMPROVING THE SETUP FOR AWAKE FIBEROPTIC INTUBATION: LEAN METHODOLOGY'S APPLICATION IN THIS COMPLEX MEDICAL PROCEDURES

A. B. Lyons, *W. A. Weigel*
Anesthesiology, Virginia Mason Medical Center, Seattle, Washington

Medically Challenging Case Reports 5
Abstracts in Poster Discussion Round: S-461 – S-465
12:00 pm – 1:30 pm Monitor 5

RES02-14

Poster Moderator: J. Novalija, PhD, MD, *Med College of Wisconsin, Milwaukee, Wisconsin*

S-461 EMERGENT AIRWAY MANAGEMENT OF AN INFANT WITH A LARGE COMPRESSIVE POSTERIOR MEDIASTINAL MASS

C. Liu¹, *B. Tinch*², *S. Soriano*²
¹Anesthesiology Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Anesthesiology, Perioperative and Pain Medicine, Children's Hospital of Boston, Boston, Massachusetts

S-462 THE ANEURYSM IS COILED--NOW WHY IS MY PATIENT NOT WAKING UP?

A. C. Reilly, *S. Shaikh*
Anesthesiology, University of Massachusetts, Worcester, Massachusetts

S-463 INTRA-OPERATIVE 3-D ECHOCARDIOGRAPHY: GUIDING THE SURGICAL APPROACH IN LEFT VENTRICULAR TUMOR RESECTION

K. K. Chaichana, *A. Yasuda, W. Keeyapaj*
Anesthesia, Critical Care, and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-464 ANESTHESIA FOR THE LUNG TRANSPLANT PATIENT UNDERGOING BRONCHOSCOPIC AMNIOTIC MEMBRANE GRAFTING FOR NON-HEALING BRONCHIAL DEHISCENCE

T. R. Feng¹, *T. Gildea*², *J. Doyle*¹
¹Cleveland Clinic Lerner College of Medicine, Cleveland Clinic, Cleveland, Ohio, ²Respiratory Institute, Cleveland Clinic, Cleveland, Ohio

S-465 RETAINED THROAT PACK: MIRACLE ANESTHETIC?

S. Pak¹, *I. Ianov*¹, *K. McCaskey*²
¹Anesthesiology, University of Florida College of Medicine - Jacksonville, Jacksonville, Florida, ²Oral & Maxillofacial Surgery, University of Florida College of Medicine - Jacksonville, Jacksonville, Florida

Perioperative Anesthesia 1 & Sleep Medicine 1
Abstracts in Poster Discussion Round: S-514 – S-518, S-527
12:00 pm – 1:30 pm Monitor 6

RES02-15

Poster Moderator: S. Chaudhuri, MD, PhD, *Texas Tech University Health Sciences Center, Lubbock, Texas*

S-514 THE INCIDENCE, RISK FACTORS AND ADEVERSE OUTCOMES OF ACUTE KIDNEY INJURY AFTER RADICAL CYSTECTOMY

J. Yu, *J. Lim, K. Joung*
Anesthesiology and Pain Medicine, Asian Medical Center, Seoul, Republic of Korea

S-515 DEEP BRAIN STIMULATION UTILIZING DEXMEDETOMIDINE: A CLINICAL REPORT FROM THE UNIVERSITY OF MIAMI MILLER SCHOOL OF MEDICINE

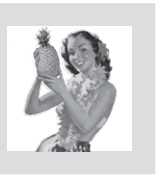
D. B. Covington¹, *Y. F. Rodriguez-Blanco*², *M. Degnan*¹, *B. V. Gallo*³, *J. R. Jagid*⁴, *T. M. Fuhrman*⁵
¹Anesthesiology, Jackson Memorial Hospital/University of Miami Mill, Miami, Florida, ²Anesthesiology, University of Miami Miller School of Medicine, Miami, Florida, ³University of Miami School of Medicine, Miami, Florida, ⁴Neurosurgery, University of Miami Miller School of Medicine, Miami, Florida, ⁵Anesthesiology, Bay Pines VAHS, Bay Pines, Florida

S-516 INCIDENCE OF PERIOPERATIVE HYPOTHERMIA IN OBESE PATIENTS UNDERGOING BARIATRIC SURGERY- A DESCRIPTIVE OBSERVATIONAL STUDY

C. I. Rojas, C. R. Rojas, B. P. Valenzuela, C. Yen, D. Torres
Anesthesiology, Clinica Santa Maria, Santiago, Chile

S-517 INCIDENCE OF PERIOPERATIVE HYPOTHERMIA IN OBESE AND NON-OBESE PATIENTS

C. R. Rojas, C. I. Rojas, C. Yen, B. P. Valenzuela, D. Torres
Anesthesiology, Clinica Santa Maria, Santiago, Chile



Resident ePosters

RES02-15, continued

S-518 ULTRASOUND AND PATIENT PARAMETERS AS POTENTIAL PREDICTORS OF DIFFICULT RADIAL ARTERY CATHETER INSERTION

M. Joseph¹, M. Tahir Janjua¹, N. Joshi², C. McNulty², E. Kilmartin¹, M. C. Torjman¹, J. Joseph¹

¹Anesthesiology, Thomas Jefferson University, Philadelphia, Pennsylvania, ²Anesthesiology, Sidney Kimmel Medical School, Philadelphia, Pennsylvania

S-527 SEMI-UPRIGHT POSITION DURING SLEEP PREVENTS POSTOPERATIVE WORSENING OF APNEA HYPOPNEA INDEX IN PATIENTS WITH SUPINE-RELATED OBSTRUCTIVE SLEEP APNEA (OSA)

M. Singh¹, A. Yadollahi², P. Liao¹, W. Kang¹, S. Islam¹, F. Chung¹

¹Department of Anesthesia, Toronto Western Hospital, University Health Network, Toronto, Ontario, Canada, ²Sleep Research Laboratory, University Health Network-Toronto Rehabilitation Institute, Toronto Rehabilitation Institute, Toronto, Ontario, Canada



Subspecialty Physical Posters

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Patient Safety 2	107
Regional Anesthesia 2	108
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Cardiovascular Anesthesiology 4	111
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Regional Anesthesia 4	112

Note: 7:00 – 10:00 am session posters on Sunday and Monday must be taken down at 10:00 – 10:30 am to make room for a new round of posters being presented at 10:30 am.

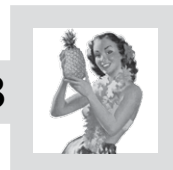
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Technology, Computing and Simulation, Equipment Monitoring 4	116
Trauma 1	116

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Learner Objectives:

As a result of their participation in this educational activity learners will consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.

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Resident ePosters

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Learner Objectives: As a result of their participation in this educational activity learners will consider recent research findings relative to anesthesiology and evaluate their application to the learner's professional practice.



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Subspecialty Physical Posters

Obstetric Anesthesiology 2

Abstracts in Poster Discussion Round: S-203 – S-208

7:00 am – 8:30 am

PR03-35

Poster Moderator: R. Smiley, MD, Columbia University, New York, New York

S-203 MATERNAL RISK FACTORS FOR ANESTHESIA-RELATED ADVERSE EVENTS DURING CESAREAN DELIVERIES

G. Li, J. Guglielminotti

Anesthesiology, Columbia University, New York, New York

S-204 CONTINUOUS SPINAL LABOR ANALGESIA, ALSO A HOT TOPIC

M. Meng, A. Lee, R. Smiley

Anesthesiology, Columbia University, New York, New York

S-205 DOES PAIN IMPACT INFORMED CONSENT FOR NEURAXIAL ANESTHESIA IN THE PARTURIENT: A PILOT STUDY

C. Burkle, D. Olsen, H. Sviggum, A. Jacob

Anesthesiology, Mayo Clinic, Rochester, Minnesota

S-206 TEMPORAL TRENDS IN SEVERE MATERNAL ADVERSE OUTCOMES AND ANESTHESIA-RELATED ADVERSE EVENTS IN CESAREAN DELIVERIES IN NEW YORK STATE, 2003-2012

J. Guglielminotti, G. Li

Anesthesiology, Columbia University, New York, New York

S-207 ADMINISTRATION OF RECOMBINANT THROMBOMODULIN IN A RAT MODEL OF PREECLAMPSIA IMPROVES SPONTANEOUS HYPERCONTRACTILITY AND HYPOREACTIVITY TO OXYTOCIN IN ISOLATED MYOMETRIAL STRIPS

H. Hino¹, M. Hirayama², H. Miyakawa¹, M. Arai¹, T. Tateda¹

¹Anesthesiology, St. Marianna University School of Medicine, Kawasaki-shi, Japan, ²Anesthesiology, St. Marianna University School of Medicine Yokohamashi Seibu hospital, Yokohama-shi, Japan

S-208 MATERNAL MAGNESIUM PROTECTS THE FETAL BRAIN IN A RAT MODEL OF INTRAPARTUM NONINFECTIOUS INFLAMMATORY FEVER

S. Segal¹, C. Pancaro¹, J. Marchand²

¹Anesthesiology, Tufts University School of Medicine, Boston, Massachusetts, ²Anesthesiology, Tufts Medical Center, Boston, Massachusetts

Pain Mechanisms 2

Abstracts in Poster Discussion Round: S-215 – S-220

7:00 am – 8:30 am

PR03-36

Poster Moderator: TBD

S-215 CENTRAL CXCL12-CXCR4 AXIS CONTRIBUTES TO THE PAIN INDUCTION IN A MOUSE MODEL OF COMPLEX REGIONAL PAIN SYNDROME-TYPE I

X. Luo¹, W. L. Tai¹, L. Sun¹, Q. Qiu¹, Z. Xia¹, S. K. Chung², C. Cheung¹

¹Anesthesiology, The University of Hong Kong, Hong Kong, China, ²Anatomy, The University of Hong Kong, Hong Kong, China

S-216 BRAIN MORPHOLOGICAL INVESTIGATION IN CHRONIC PAIN PATIENTS WITH NEUROPATHIC CHARACTERISTICS

S. Sugimine, Y. Ogino, H. Obata, S. Saito

Anesthesiology, Gunma University Graduate School of Medicine, Maebashi, Japan

S-217 IN VIVO ELECTROPHYSIOLOGICAL ANALYSES OF ANTINOCICEPTIVE ACTION OF SEVOFLURANE IN THE RAT SUBSTANTIA GELATINOSA NEURONS

Y. Funai, T. Mori, H. Yamasaki, K. Nishikawa

Anesthesiology, Osaka City University Graduate School of Medicine, Osaka, Japan

S-218 THE EFFECT OF CHRONIC NICOTINE WITHDRAWAL ON INDUCED POSTOPERATIVE PAIN IN RATS

A. C. Mavarez¹, K. Candiotti¹, K. I. Gomez², J. Alfonso², N. L. Newman², Y. F. Rodriguez-Blanco³, Y. Zhang⁴

¹Department of Anesthesiology, Perioperative Medicine and Pain Management, University of Miami, Miami, Florida, ²Department of Anesthesiology, University of Miami, Miami, Florida, ³Department of Anesthesiology, Clinical Research, University of Miami Miller School of Medicine, Miami, Florida, ⁴Department of Anesthesiology, University of Miami, School of Medicine, Miami, Florida

S-219 EFFECT OF PERIPHERAL NERVE INJURY ON GABARERGIC INHIBITORY SYNAPTIC TRANSMISSION IN THE MOUSE SPINAL CORD DORSAL HORN

T. Takasusuki, Y. Numata, K. Ishikawa, S. Yamaguchi

Anesthesiology, Dokkyo Medical University, Mibu, Japan

S-220 INVOLVEMENT OF EPHRIN-B2, NOT TRPV1 EXPRESSION IN SARCOMERES OF MYOFASCIAL TRIGGER POINTS IN THE UPPER TRAPEZIUS MUSCLE

F. Qi¹, Y. Guo¹, C. Ding¹, Y. Wang²

¹Department of Anesthesiology, Qilu Hospital of Shandong University, Jinan, China, ²Department of Pathology, Qilu Hospital of Shandong University, Jinan, China



Subspecialty Physical Posters

Pain Medicine 2
Abstracts in Poster Discussion Round: S-230 – S-237
7:00 am – 8:30 am

PR03-37

Poster Moderator: TBD

S-230 PAIN MANAGEMENT AFTER RADICAL PROSTATECTOMY SURGERY: SYSTEMATIC REVIEW OF RANDOMIZED CONTROLLED TRIALS

G. P. Joshi¹, T. Jaschinski², F. Bonnet³

¹Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas, ²Institute for Research in Operative Medicine, Institute for Research in Operative Medicine, Witten/Herdecke University, Cologne, Germany, ³Department d'Anesthesie Reanimation, Hôpital Tenon, Assistance Publique Hôpitaux de Paris Université Pierre & Marie Curie, Paris, France

S-231 TRAMADOL FOR ACUTE PAIN MANAGEMENT IN CONJUNCTION WITH SEROTONIN RECEPTOR ANTAGONIST ANTIEMETIC DRUGS

V. S. Lima, R. El Dib, E. M. Ganem, G. A. Barros

Anesthesia, Botucatu Medical School Univ Estadual Paulista, Botucatu, Brazil

S-232 CURRENT STATUS OF CANCER PAIN MANAGEMENT IN CANCER HOSPITAL/ THE ROLE OF INTERVENTIONS

S. Hattori, J. Takarada, H. Sakurai, N. Nakaigawa

Cancer Pain Service, Cancer Institute Hospital of JFCR, Tokyo, Japan

S-233 TRANSVERSUS ABDOMINIS PLANE (TAP) BLOCK VERSUS SURGICAL WOUND INFILTRATION FOR PAIN MANAGEMENT AFTER OPEN ABDOMINAL HYSTERECTOMY: A RANDOMIZED CONTROLLED TRIAL

I. Gasanova¹, J. C. Alexander², B. Ogunnaike¹, G. P. Joshi³

¹Anesthesiology and Pain Management, UT Southwestern Medical Center, Dallas, Texas, ²Anesthesiology and Pain Management, UT Southwestern, Dallas, Texas, ³Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas

S-234 PERIOERATIVE PREGABALIN REDUCES SENSORY DEFICIT AFTER RADICAL MASTECTOMY

E. Babar Melik¹, B. Ogunnaike¹, R. Rao², R. Makinde¹, J. Pai¹, O. Ogunkua¹, G. P. Joshi¹

¹Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas, ²Department of Surgery, University of Texas Southwestern Medical Center, Dallas, Texas

S-235 SINGLE DOSE SYSTEMIC ACETAMINOPHEN TO PREVENT POSTOPERATIVE PAIN: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

M. E. Rodes, G. S. De Oliveira

Anesthesiology, Northwestern University, Chicago, Illinois

S-236 DEXMEDETOMIDINE VERSUS REMIFENTANIL IN POSTOPERATIVE PAIN CONTROL AFTER SPINAL SURGERY: A RANDOMIZED CONTROLLED STUDY

J. Joo

Department of Anesthesia and Pain Medicine, Seoul St. Mary's Hospital, Seoul, Republic of Korea

S-237 EFFECTS OF INTRAOPERATIVE KETAMINE ON ACUTE AND CHRONIC POSTOPERATIVE PAIN AFTER BREAST CANCER SURGERY

A. Cho, D. Lee, E. Lee

Anesthesia and Pain Medicine, Pusan National University Hospital, Busan, Republic of Korea

Patient Safety 2
Abstracts in Poster Discussion Round: S-247 – S-252
7:00 am – 8:30 am

PR03-38

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

S-247 UNCOVERING RESIDUAL PARALYSIS IN THE PACU: A PILOT STUDY

F. A. Wolf¹, P. R. Regan², E. W. Duggan¹

¹Anesthesiology, Emory, Atlanta, Georgia, ²Nursing, Emory, Atlanta, Georgia

S-248 LOWER LIMB PERFUSION DURING ROBOTIC-ASSISTED RADICAL PROSTATECTOMY EVALUATED BY NEAR INFRARED SPECTROSCOPY

K. Takechi, T. Nagaro

Anesthesia and Perioperative medicine, Ehime University Graduate School of Medicine, Toon, Japan

S-249 PILOT STUDY ASSESSING EFFECTIVENESS OF REPLACING MORBIDITY AND MORTALITY CONFERENCES WITH ROOT CAUSE ANALYSIS CONFERENCES

G. E. Loyd

Department of Anesthesiology, University of Florida, College of Medicine Jacksonville, Jacksonville, Florida



Subspecialty Physical Posters

PR03-38, continued

S-250 RESPIRATORY RATE PROVIDES A POOR ASSESSMENT OF RESPIRATORY STATUS DURING AND AFTER UPPER ENDOSCOPY PROCEDURES

D. M. Mathews¹, K. Holley², J. Braynov³

¹Anesthesiology, University of Vermont, Burlington, Vermont,

²Anesthesiology, University of Vermont College of Medicine, Burlington, Vermont, ³Research, Respiratory Motion, Inc., Morgantown, Massachusetts

S-251 PREDICTING POSTOPERATIVE HYPOTHERMIA AND TEMPERATURE CHANGE: IDENTIFYING PATIENT AND SURGICAL FACTORS

O. Visnjevac¹, A. A. Hassani¹, R. Kocz¹, E. Jensen¹, J. W. Grande², N. D. Nader¹

¹Anesthesiology, University at Buffalo, Buffalo, New York,

²Anesthesiology, Kaleida Health, Buffalo, New York

S-252 COGNITIVE MECHANISMS OF HOW NOISE INDUCES FATIGUE: A FACTOR ANALYSIS

R. R. McNeer¹, C. L. Bennett², R. Dudaryk¹

¹Anesthesiology, University of Miami Miller School of Medicine,

Miami, Florida, ²Music Engineering Technology, University of Miami, Coral Gables, Florida

Regional Anesthesia 2

Abstracts in Poster Discussion Round: S-327 – S-332

7:00 am – 8:30 am

PR03-39

Poster Moderator: J. Neal, MD, Virginia Mason Medical Center, Seattle, Washington

S-327 CONTINUOUS INTERCOSTAL NERVE BLOCK FOR POSTOPERATIVE ANALGESIA AGAINST MINIMALLY INVASIVE CARDIAC SURGERY

A. Sakai¹, H. Murata¹, K. Ogami¹, T. Ichinomiya¹, T. Hara²

¹Anesthesiology, Nagasaki University Hospital, Nagasaki, Japan,

²Anesthesiology, Nagasaki University, Nagasaki, Japan

S-328 INTRAOPERATIVE ANALGESIC DRUG INJECTIONS AT THE SURGICAL WOUND SITE REDUCES POSTOPERATIVE PAIN AFTER KNEE SURGERY IN RATS

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

Anesthesiology, Rush University Medical Center, Chicago, Illinois,

S-329 EFFECT OF THE HEIGHT OF THE OPERATING TABLE DURING SPINAL ANESTHESIA

H. Sohn, J. Kim

Department of Anesthesiology and Pain Medicine, Seoul National University Bundang Hospital, Seongnam-si, Republic of Korea

S-330 THE EFFECTS OF PERIOPERATIVE REGIONAL ANESTHESIA AND ANALGESIA ON CANCER RECURRENCE AND SURVIVAL FOLLOWING ONCOLOGIC SURGERY A SYSTEMATIC REVIEW AND META-ANALYSIS

Y. Sun¹, T. J. Gan², T. Li¹

¹Anesthesiology, Beijing Tongren Hospital, Capital Medical University,

Beijing, China, ²Anesthesiology, Stony Brook University, Stony Brook, New York

S-331 THE IMPACT OF CAUDAL BLOCK ON THE SURGICAL OUTCOME IN CHILDREN UNDERGOING HYPOSPADIAS REPAIR

M. Kim, Y. Choi, J. Lee;

Anesthesia and Pain Medicine, Yonsei University, College of Medicine, Seoul, Republic of Korea

S-332 PERIARTICULAR INFILTRATION ANALGESIA CAN PROVIDE SUFFICIENT ANALGESIA AFTER TOTAL KNEE ARTHROPLASTY WITHOUT PERONEAL NERVE PARALYSIS: COMPARISON WITH SCIATIC NERVE BLOCK

K. Aikawa¹, T. Hashimoto²

¹Anesthesiology, Sunagawa City Medical Center, Sunagawa City,

Japan, ²Anesthesiology, Graduate School of Medicine, Hokkaido University, Sapporo, Japan

Regional Anesthesia 3

Abstracts in Poster Discussion Round: S-333 – S-338

7:00 am – 8:30 am

PR03-40

Poster Moderator: H. Benzon, MD, Northwestern University, Chicago, Illinois

S-333 REVIEW OF CASE REPORTS OF SPINAL HEMATOMAS INVOLVING PEDIATRIC CASES

H. T. Benzon¹, A. Nelson¹, A. Patel², H. A. Benzon¹, R. J. McCarthy³

¹Anesthesiology, Northwestern University Feinberg School

of Medicine, Chicago, Illinois, ²Medical School, Robert Wood

Johnson Medical School, Piscataway, New Jersey, ³Anesthesiology,

Northwestern University, Chicago, Illinois



Subspecialty Physical Posters

PR03-40, continued

S-334 POSTOPERATIVE ANALGESIC EFFECT AND SAFETY OF THE INTRAPERITONEAL INSTILLATION OF ROPIVACAINE FOR PAIN RELIEF AFTER LAPAROSCOPIC GYNECOLOGICAL SURGERY

C. Yakoshi, H. Niwa, M. Kitayama, K. Hirota
Department of Anesthesiology, Hirosaki University Graduate School of Medicine, Hirosaki, Japan

S-335 COMPARING ADDUCTOR CANAL BLOCK TO FEMORAL NERVE BLOCK FOR TOTAL KNEE ARTHROPLASTY, A RETROSPECTIVE CHART REVIEW

N. Shetty¹, S. Nair², A. Vydyanathan³, S. Kim⁴
¹Anesthesiology, Albert Einstein College of Medicine, Bronx, New York, ²Anesthesiology, Montefiore Medical Center, Bronx, New York, ³Anesthesiology, Montefiore Medical Center, New York, New York, ⁴Orthopaedic Surgery, Albert Einstein College of Medicine, Bronx, New York

S-336 FEASIBILITY AND SAFETY OF PARAVERTEBRAL NERVE BLOCKS IN PEDIATRIC PATIENTS

K. Matthes, S. Bitarafan, K. Boretsky
Department of Anesthesia, Perioperative Care and P, Boston Children's Hospital, Harvard Medical School, Boston, Massachusetts

S-337 CONTINUOUS TRANSVERSUS ABDOMINIS PLANE BLOCK DECREASES FENTANYL REQUIREMENT AFTER RENAL TRANSPLANTATION

A. Maeda, S. C. Shibata, Y. Matsumoto, T. Imada, K. Okitsu, Y. Fujino
Department of Anesthesiology and Intensive Care Medicine, Graduate School of Medicine, Osaka University, Suita, Osaka, Japan

S-338 ANALGESIA AFTER ANTERIOR APPROACH TOTAL HIP ARTHROPLASTY: AN INITIAL COMPARATIVE ANALYSIS OF CONTINUOUS VERSUS MULTILEVEL SINGLE INJECTION PARAVERTEBRAL BLOCKADE

R. L. McClain, **G. Soliman**, J. L. Moss, A. Ardon, R. A. Greengrass
Anesthesiology, Mayo Clinic, Jacksonville, Florida

Airway Management 3
Abstracts in Poster Discussion Round: S-14 – S-20
8:30 am – 10:00 am

PR03-41

Poster Moderator: M. El-Orbany, MD, Medical College of Wisconsin, Milwaukee, Wisconsin

S-14 REVIEW OF AIRWAY DATA AND MANAGEMENT IN A TERTIARY CARE CENTER: IS THERE A NEED FOR SURGICAL AIRWAY TRAINING?

B. O'Hara¹, S. Walls¹, A. Banerjee¹, M. D. McEvoy², **L. C. Fowler**²
¹Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, ²Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-15 PRELIMINARY RESULTS OF A RANDOMIZED CONTROLLED PILOT TRIAL ASSESSING THE EFFECT OF CRICOID PRESSURE ON THE RISK OF ASPIRATION

J. K. Bohman¹, **R. Kashyap**¹, Z. He², D. J. Kor¹
¹Anesthesiology, Mayo Clinic, Rochester, Minnesota, ²Gastroenterology, Al duPont Hospital for Children, Wilmington, Delaware

S-16 A NEW AIRWAY MANAGEMENT IN NEUROANESTHESIOLOGY: I-GEL LARYNGEAL MASK AIRWAY COMBINED WITH TRACHEAL TUBE FOR PATIENTS UNDERGOING POSTERIOR FOSSA SURGERY

C. Tang^{1,2}, F. Kang¹, X. Huang¹, J. Li¹
¹Anesthesiology, Southern District of Anhui Provincial Hospital, Hefei, China, ²Department of Anesthesiology, Li Ka Shing Faculty of Medicine, University of Hong Kong, Hong Kong, China

S-17 NASO-TRACHEAL INTUBATION COULD BE PERFORMED FASTER USING THE MCGRATH™ MAC VIDEO LARYNGOSCOPE WITHOUT ANY COMPLICATIONS COMPARED TO THE MACINTOSH LARYNGOSCOPE

J. Kawaguchi, K. Koshika, T. Ouchi, R. Serita, T. Koitabashi
Department of Anesthesiology, Tokyo Dental College Ichikawa General Hospital, Ichikawa, Chiba, Japan

S-18 THE CHANGES OF RETROPHARYNGEAL SPACE AND RETROTRACHEAL SPACE IN PATIENTS UNDERGOING MULTILEVEL ANTERIOR CERVICAL SURGERY

C. Tsuji¹, Y. Terao¹, H. Ishizaki², T. Egashira¹, M. Fukusaki¹, T. Hara²
¹Anesthesiology, Nagasaki Rosai Hospital, Sasebo, Japan, ²Anesthesiology, Nagasaki University, Nagasaki, Japan



Subspecialty Physical Posters

PR03-41, continued

S-19 COMPARISON OF THE STORZ C-MAC D BLADE AGAINST THE GLIDESCOPE, EFFICACY IN THE PREDICTED DIFFICULT AIRWAY: STAGE TRIAL: A MULTI-CENTERED RANDOMIZED CONTROLLED TRIAL

M. Aziz¹, R. Abrons², D. Cattano³, E. Bayman², M. Todd², A. M. Brambrink¹

¹Anesthesiology and Perioperative Medicine, Oregon Health & Science University, Portland, Oregon, ²Anesthesiology, University of Iowa, Iowa City, Iowa, ³Anesthesiology, University of Texas at Houston, Houston, Texas

S-20 THE INCIDENCE AND RISK FACTORS OF DIFFICULT LARYNGEAL MASK VENTILATION IN A SOUTH-EAST ASIAN POPULATION

T. Saito¹, W. Liu², S. Tsong-Huey Chew³, L. Ti⁴

¹Anesthesia, Dokkyo Medical University Koshigaya Hospital, Koshigaya City, Japan, ²Anesthesia, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore, ³Anesthesia, Singapore General Hospital, Singapore, Singapore, ⁴Anesthesia, National University Health System, Singapore, Singapore

Cardiovascular Anesthesiology 3

Abstracts in Poster Discussion Round: S-70 – S-77

8:30 am – 10:00 am

PR03-42

Poster Moderator: G. Hall, MB, BS, PhD, DSc, St. George's, University of London, London, United Kingdom

S-70 THE RATIO AND RISK FACTORS OF POST-ANESTHETIC SHIVERING WITH REMIFENTANIL IN PATIENTS UNDERGONE CARDIAC SURGERY: A RETROSPECTIVE STUDY

K. Ueta¹, T. Tamura², Y. Hayashi³, A. Uchiyama¹, Y. Fujino¹

¹Department of Anesthesiology, Osaka University Graduate School of Medicine, Suita, Osaka, Japan, ²Department of Anesthesia, Saiseikai Nakatsu Hospital, Osaka, Japan, ³Department of Anesthesia, Sakurabashi-Watanabe Hospital, Osaka, Japan

S-71 POSTCONDITIONING EFFECTS OF HYPERCAPNIA AGAINST MYOCARDIAL STUNNING IN SWINE

T. Hara, D. Akiyama, I. Shibata, O. Yoshitomi

Anesthesiology, Nagasaki University, Nagasaki, Japan

S-72 MORPHOLOGICAL EVALUATION OF THE MITRAL ANNULUS DURING DISPLACEMENT OF THE HEART DURING OFF-PUMP CORONARY ARTERY BYPASS SURGERY

Y. Toyama¹, K. Igarashi², H. Kanda¹, K. Yamamoto¹, T. Kunisawa¹, H. Iwasaki¹

¹Anesthesiology and Critical Care, Asahikawa Medical University, Asahikawa, Japan, ²Anesthesiology, Sapporo Cardio Vascular Center, Sapporo, Japan

S-73 MICRORNA-21 MEDIATES ISOFLURANE-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA/ REPERFUSION INJURY THROUGH AKT/NOS/MPTP PATHWAY IN THE MOUSE

Z. Ge, J. Olson, Y. Yan, Y. Liu, J. Kersten, D. C. Warltier, Z. J. Bosnjak
Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-74 ROUTINE IMMUNE-MODULATORY TREATMENT WITH HYDROCORTISONE AND PENTOXIFYLLINE INCREASES INOTROPE AND VASOPRESSOR NEEDS IN COMPARISON WITH PREDNISOLON IN PATIENTS UNDERGOING COMBINED VALVE AND CORONARY ARTERY BYPASS GRAFTING SURGERY – A RETROSPECTIVE COHORT ANALYSIS

M. Heringlake¹, H. Schroeder², H. Heinze¹, A. E. Berggreen¹, H. Paarmann¹

¹Department of Anesthesiology and Intensive Care Medicine, University of Lübeck, Lübeck, Germany, ²Department of Anesthesiology and Intensive Care Medicine, Christian – Albrecht University Kiel, Kiel, Germany

S-75 AGE-ASSOCIATED DIFFERENCES IN THE INHIBITION OF MITOCHONDRIAL PERMEABILITY TRANSITION PORE OPENING IN THE RAT BY SIMVASTATIN

L. Liu

Anesthesiology, Stony Brook University Hospital, Stony Brook, New York

S-76 SEVOFLURANE POSTCONDITIONING MIGHT REDUCE SEVERITY OF CARDIAC AND NON-CARDIAC COMPLICATIONS AFTER ELECTIVE CARDIAC VALVE SURGERY. RESULTS OF A 6 MONTH FOLLOW-UP

M. Schläpfer¹, J. M. Bonvini¹, S. Kuhn², T. A. Neff³, B. Beck-Schimmer¹

¹Institute of Anesthesiology, University Hospital Zurich, Zurich, Switzerland, ²Institute of Anesthesiology, University Hospital Zurich, 8091 Zurich, Switzerland, ³Institute of Anesthesiology, Kantonsspital Muensterlingen, Muensterlingen, Switzerland

S-77 NIRS IN CARDIAC CONGENITAL SURGERY FOR CYANOTIC HEART DISEASE AND ITS RELATION WITH DELIVERY AND OXYGEN DEMAND AND POSTOPERATIVE NEUROLOGIC INJURIES

J. C. Kling, A. Pacheco

Cardiovascular and Transplant Anesthesia, Cardioinfantil Foundation, Bogota, Colombia



Subspecialty Physical Posters

Cardiovascular Anesthesiology 4
Abstracts in Poster Discussion Round: S-78 – S-84
8:30 am – 10:00 am

PR03-43

Poster Moderator: J. DiNardo, MD, Children's Hospital - Boston, Boston, Massachusetts

S-78 DOES LOW-DOSE ONDANSETRON INCREASE THE RISK OF PERIOPERATIVE POLYMORPHIC VENTRICULAR TACHYCARDIA OR DEATH

G. A. Nuttall¹, S. C. Voogd¹, H. M. Wagner¹, M. J. Ackerman², M. S. Marienau¹, W. C. Oliver¹

¹Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota, ²Pediatric Cardiovascular Diseases, Mayo Clinic College of Medicine, Rochester, Minnesota

S-79 EFFECTS OF MODIFIED ULTRAFILTRATION ON WHOLE BLOOD COAGULATION IN PEDIATRIC CARDIAC SURGERY

N. Katori¹, Y. Kakinuma², H. Morisaki³

¹Anesthesiology, Keio University, Tokyo, Japan, ²Anesthesiology, Keio University, Tokyo, Japan, ³Keio University School of Medicine, Tokyo, Japan

S-80 MULTI-COLOR FLOW CYTOMETRY REVEALS SPECIES SPECIFIC AND HIBERNATION-STATE SPECIFIC DIFFERENCES IN INNATE IMMUNITY, SUSCEPTIBILITY TO INJURY, AND RESPONSE TO SURGICAL ISCHEMIA-REPERFUSION IN SPRAGUE-DAWLEY RATS COMPARED WITH ARCTIC GROUND SQUIRRELS

Q. J. Quinones¹, Q. Ma¹, M. P. Smith¹, J. Staats², C. Chan³, M. V. Podgoreanu¹

¹Anesthesiology, Duke University Medical Center, Durham, North Carolina, ²Flow Cytometry Core Facility, Duke University Medical Center, Durham, North Carolina, ³Biostatistics and Bioinformatics, Duke University Medical Center, Durham, North Carolina

S-81 HIGH GLUCOSE ATTENUATES ANESTHETIC CARDIOPROTECTION IN HUMAN STEM CELL-DERIVED CARDIOMYOCYTES: A ROLE OF REACTIVE OXYGEN SPECIES AND MITOCHONDRIAL FISSION

X. Bai¹, S. Canfield¹, I. Zaja¹, D. Twaroski², Y. Yan¹, J. Olson², Z. J. Bosnjak²

¹Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ²Anesthesiology and Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-82 INTRAVENOUS VERSUS INHALATION ANESTHESIA FOR PATIENTS UNDERGOING ON-PUMP OR OFF-PUMP CORONARY ARTERY BYPASS GRAFTING: A SYSTEMATIC REVIEW AND META-ANALYSIS

A. R. Carvalho¹, R. El Dib¹, F. Pugliesi¹, I. S. Rodriguez¹, L. G. Braz², M. P. Modolo¹, N. P. Modolo³

¹Anesthesiology, Univ Estadual Paulista, Botucatu, Brazil, ²Anesthesiology, Botucatu Medical School – Univ Estadual Paulista, Botucatu, Brazil, ³Anesthesiology, Botucatu Medical School, Botucatu, Brazil

S-83 NATURAL CARDIOPROTECTION IN HIBERNATING MAMMALS IS ASSOCIATED WITH INCREASED SIRTUIN-3 EXPRESSION AND SIGNALING

M. V. Podgoreanu¹, Q. Ma², Z. Zhang², Q. J. Quinones², M. P. Smith³, J. R. Bain⁴, B. M. Barnes⁵

¹Department of Anesthesiology, Duke University Medical Center, Durham, North Carolina, ²Anesthesiology, Duke University Medical Center, Durham, North Carolina, ³Anesthesiology, Duke University, Durham, North Carolina, ⁴Duke Molecular Physiology Institute, Metabolomics Core Lab, Duke University Medical Center, Durham, North Carolina, ⁵Institute for Arctic Biology, University of Alaska at Fairbanks, Fairbanks, Alaska

S-84 SEVOFLURANE INHIBITS TNF- α -INDUCED INFLAMMATION VIA ENOS/NO SIGNALING PATHWAY IN HUMAN ENDOTHELIAL CELLS

W. Ruan¹, S. Li¹, J. Xu²

¹Department of Anesthesiology, The 2nd XiangYa Hospital, Central South University, Changsha, China, ²Department of Anesthesiology, Anesthesia Research Institute, Central South University, Changsha, China

Economics, Education and Policy 4
Abstracts in Poster Discussion Round: S-147 – S-153
8:30 am – 10:00 am

PR03-44

Poster Moderator: T. Yorozu, MD, Kyorin University, Tokyo, Japan

S-147 GRACE UNDER FIRE: IDENTIFYING PREDICTORS OF SUCCESS IN SIMULATION-BASED EDUCATION

S. T. Samuelson, A. Goldberg, S. DeMaria

Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

S-148 TEN YEARS OF EXPERIENCE OF SYSTEM-BASED PRACTICE PROJECT FOR ANESTHESIOLOGY RESIDENTS

T. Sakai, T. D. Emerick, R. M. Patel

Department of Anesthesiology, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania



Moderated Poster Discussion Rounds • Monday, March 23

Subspecialty Physical Posters

PR03-44, continued

S-149 THE INFLUENCE OF DEATH IN SIMULATION-BASED ANESTHESIOLOGY TRAINING: HOW MUCH IS TOO MUCH?

S. T. Samuelson, A. Goldberg, S. DeMaria

Anesthesiology, Icahn School of Medicine at Mount Sinai, New York, New York

S-150 VIEWS OF US ANESTHESIOLOGISTS ABOUT HEALTH CARE COSTS AND THE PERIOPERATIVE SURGICAL HOME

D. R. Raphael, M. Cannesson, J. Rinehart, Z. Kain

Department of Anesthesiology and Perioperative Care, University of California, Irvine, Orange, California

S-151 PRIOR PODCAST EXPERIENCE MODERATES EFFICACY OF ELECTROENCEPHALOGRAPHY

T. Vasilopoulos¹, D. F. Chau², M. Bensalem-Owen³, J. E. Cibula⁴,

B. G. Fahy¹

¹Anesthesiology, University of Florida, Gainesville, Florida,

²Pediatrics, The Children's Hospital of the King's Daughters, Norfolk,

Virginia, ³Neurology, University of Kentucky, Lexington, Kentucky,

⁴Neurology, University of Florida, Gainesville, Florida

S-152 AN ANALYSIS OF ANESTHETIC INTERVENTIONS AND ANESTHESIA START TIMES

S. Jain¹, M. J. Bloom², S. Kendale³, J. Kim⁴, L. Russo⁴, G. Cuff⁴,

A. D. Rosenberg⁴

¹Anesthesiology, New York University Langone Medical Center,

New York, New York, ²Anesthesiology, NYU Langone Medical

Center, New York, New York, ³Anesthesiology, NYU, New York, New

York, ⁴Anesthesiology, NYU School of Medicine, New York, New York

S-153 12 MONTH MULTINATIONAL EPISODIC DAILY LEARNING ONLINE MOBILE CURRICULUM (STARTPREP) FOR 990 ANESTHESIA RESIDENTS DESIGNED TO PREPARE THEM FOR COMPETENCY IN THE ANESTHESIA BASIC SCIENCES

J. T. Chandrasoma¹, L. F. Chu², L. Ngai³, E. Piehl⁴, G. McFadyen⁵,

A. J. Traynor⁴

¹Anesthesia, Stanford University Anesthesia Informatics and Media

Lab, Los Angeles, California, ²Anesthesia, Stanford University

Anesthesia Informatics and Media Lab, Stanford, California,

³Anesthesia, USC, Los Angeles, California, ⁴Anesthesia, University

of Colorado Denver, Denver, Colorado, ⁵Anesthesia, Stanford

University, Stanford, California

Regional Anesthesia 4

Abstracts in Poster Discussion Round:

S-339 – S-342, S-344 – S-345

8:30 am – 10:00 am

PR03-45

Poster Moderator: R. Wardhan, MD, Yale School of Medicine, New Haven, Connecticut

S-339 EFFECT OF INTRAVENOUS NEOSTIGMINE IN THE TREATMENT OF POST-DURAL PUNCTURE HEADACHE: A DOUBLE BLIND CONTROLLED CLINICAL STUDY

M. Elhakim¹, D. Mohamed²

¹Anesthesiology, King Abdulaziz University, Jeddah, Saudi Arabia,

²Anesthesiology, Alexandria University, Alexandria, Egypt

S-340 COMPARATIVE EVALUATION OF ISOBARIC ROPIVACAINE (0.75%) WITH THE ADJUVANT - CLONIDINE AND DEXMEDETOMIDINE ADMINISTERED INTRATHECALLY IN ADULT PATIENTS UNDERGOING INFRA-UMBILICAL SURGERIES

K. Gupta

Anesthesia, Safdarjung Hospital and Vardhaman Mahavir Medical Co, Delhi, India

S-341 EFFECTS OF DIFFERENT KINDS AND DIFFERENT DOSES OF 5-HT₃ RECEPTOR ANTAGONISTS ON PREVENTION OF HYPOTENSION AFTER SPINAL ANESTHESIA

E. Choi, S. Do;

Anesthesiology and Pain Medicine, Seoul National University Bundang Hospital, Gyeonggi-do, Republic of Korea

S-342 FEMORAL NERVE CATHETER VS. LIPOSOMAL BUPIVACAINE AFTER UNILATERAL TOTAL KNEE ARTHROPLASTY

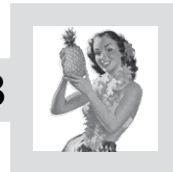
R. Desai, M. Goldberg

Anesthesiology, Cooper University Medical School at Rowan University, Camden, New Jersey

S-344 ANESTHETIC MANAGEMENT FOR CONTINUOUS AMBULATORY PERITONEAL DIALYSIS CATHETER INSERTION AND/OR EXTRACTION USING TRANSVERSUS ABDOMINIS PLANE BLOCK: RETROSPECTIVE COMPARISON WITH GENERAL ANESTHESIA AND NEURAXIAL ANESTHESIA

A. Shido, E. Nobuhara, T. Mine, S. Sakura, Y. Saito

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



Subspecialty Physical Posters

PR03-45, continued

S-345 ULTRASOUND GUIDED SUBCOSTAL TRANSVERSUS ABDOMINIS PLANE (TAP) INFILTRATION WITH LIPOSOMAL BUPIVACAINE VS. BUPIVACAINE IN PATIENTS UNDERGOING ROBOTIC ASSISTED HYSTERECTOMY: A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL

J. Hutchins¹, D. Delaney¹, R. Vogel², R. Ghebre³, L. Downs³, L. Carson³, M. A. Geller³

¹Anesthesiology, University of Minnesota, Minneapolis, Minnesota, ²Masonic Cancer Center Biostatistics and Bioinforma, University of Minnesota, Minneapolis, Minnesota, ³Department of Obstetrics, Gynecology and Women's Health, University of Minnesota, Minneapolis, Minnesota

S-127 TAILORED VENTILATION IN MORBIDLY OBESE PATIENTS

M. Pirrone¹, D. Chipman², D. Fisher², D. A. Imber¹, C. Mietto³, R. Kacmarek², L. Berra¹

¹Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts, ²Respiratory Care Services, Massachusetts General Hospital, Boston, Massachusetts, ³Scuola di Specializzazione in Anestesia, Rianimazione e Terapia Intensiva, Università degli Studi di Milano, Milano, Italy

S-128 ROLE OF SURGERY REQUIRING ANESTHESIA IN POSTOPERATIVE COGNITIVE IMPAIRMENT

C. G. Hughes¹, M. B. Patel², T. D. Girard³, S. K. Geevarghese², B. C. Norman³, P. P. Pandharipande¹

¹Department of Anesthesiology, Vanderbilt University School of Medicine, Nashville, Tennessee, ²Department of Surgery, Vanderbilt University School of Medicine, Nashville, Tennessee, ³Department of Medicine, Vanderbilt University School of Medicine, Nashville, Tennessee

Critical Care 5
Abstracts in Poster Discussion Round: S-123, S-125 – S-128
10:30 am – 12:00 pm

Pediatric Anesthesiology 2
Abstracts in Poster Discussion Round: S-275 – S-282
10:30 am – 12:00 pm

PR03-46

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

S-123 WISP1-INTEGRIN β 3 SIGNALING PATHWAY CONTRIBUTE TO A TWO-HIT MODEL OF MECHANICAL VENTILATION AFTER SEPSIS-PRIMED LUNG INJURY IN MICE

X. Ding¹, Z. Chen¹, S. Jin¹, Y. Tong¹, Q. Li²

¹Anesthesiology, Shanghai East Hospital, Shanghai, China, ²Anesthesiology, East Hospital, Shanghai, China

S-125 THE ROLE OF TRANSCRIPTION FACTOR BACH1 IN A RAT MODEL OF ACUTE LIVER INJURY INDUCED BY EXPERIMENTAL ENDOTOXEMIA

N. Tanioka¹, H. Shimizu¹, T. Takahashi², E. Omori¹, M. Yamaoka¹, R. Nakamura¹, H. Morimatsu¹

¹Department of Anesthesiology and Resuscitology, Okayama University Medical School, Okayama, Japan, ²Department of Health and Welfare Science, Okayama Prefectural University, Okayama, Japan

S-126 INTEGRIN AVB3 MEDIATES SEPSIS INDUCED LUNG INJURY BUT DEPENDENT ON TLR PATHWAY IN MICE

Z. Chen, X. Ding, Q. Li

Anesthesiology, East Hospital, Shanghai, China

PR03-47

Poster Moderator: S. Verghese, MD, Children's Hospital-DC, Washington, DC

S-275 IMPAIRED ACQUISITION AT LATE STAGES AFTER SINGLE EXPOSURE TO ISOFLURANE IN MICE

Y. Murase¹, K. Uchimoto², T. Goto², M. Yuzaki¹

¹Physiology 1, Keio University, Tokyo, Japan, ²Anesthesiology, Yokohama City University, Yokohama Kanagawa, Japan

S-276 ANTICHOLINERGIC PREMEDICATION INDUCED FEVER IN PEDIATRIC AMBULATORY ANESTHESIA WITH KETAMINE

W. Choe¹, K. Kim², J. Kim¹, J. Kim¹, K. Kim¹

¹Anesthesiology and Pain Medicine, Inje University Il San Paik Hospitals, Go-yang, Republic of Korea, ²Anesthesiology and Pain Medicine, Inje University Seoul Paik Hospitals, Seoul, Republic of Korea

S-277 SUBGLOTTIC DIAMETER MEASURED BY COMPUTED TOMOGRAPHY IN PEDIATRIC PATIENTS WITH PULMONARY HYPERTENSION AND CONGENITAL HEART DISEASE

N. Ohashi, H. Imai, H. Baba

Anesthesiology, Niigata University Medical and Dental Hospital, Niigata, Japan



Subspecialty Physical Posters

PR03-47, continued

S-278 ASSOCIATION OF HIGH BMI AND INCIDENT BRONCHIAL ASTHMA WITH PEDIATRIC PERI-OPERATIVE LARYNGOSPASM

H. Tuckwell¹, O. Nafiu²

¹Anesthesiology, University of Michigan Health Systems, Ann Arbor, Michigan, ²Anesthesiology, University of Michigan Health Systems, Ann Arbor, Michigan

S-279 A COMPARISON BETWEEN TWO VIDEO-LARYNGOSCOPES, THE TRUVIEW PCD AND THE GLIDESCOPE COBOLT AVL, IN SUCCESSFULLY INTUBATING PEDIATRIC MANIKINS WITH AND WITHOUT DIFFICULT AIRWAYS

H. K. Hippard¹, K. Govindan¹, O. Olutoyin², D. Mann¹, M. F. Watcha¹

¹Department of Pediatric Anesthesia, Baylor College of Medicine, Houston, Texas, ²Pediatric Anesthesiology Texas Children's Hospital, Baylor College of Medicine, Houston, Texas

S-280 IMPACT OF GENERAL ANAESTHESIA ON NEUROCOGNITIVE OUTCOMES IN EARLY CHILDHOOD

C. L. Bong¹, J. Allen², J. S. Tan³, A. Rifkin-Grabo⁴

¹Department of Paediatric Anaesthesia, KK Women's and Children's Hospital, Singapore, Singapore, ²Office of Clinical Sciences, Duke-NUS Graduate Medical School, Singapore, Singapore, ³Paediatric Anaesthesia, KK hospital, Singapore, Singapore, ⁴Paediatric Anaesthesia, Singapore Institute for Clinical Sciences, Singapore, Singapore

S-281 DEXMEDETOMIDINE SEDATION AND CAUDAL ANAESTHESIA FOR INGUINAL HERNIA REPAIR IN INFANTS

C. L. Bong, J. S. Tan, A. S. Yeo

Department of Paediatric Anaesthesia, KK Women's and Children's Hospital, Singapore, Singapore

S-282 THE PEDIATRIC BRAIN: AGE-DEPENDENT EFFECTS OF PROPOFOL ON FRONTAL ELECTROENCEPHALOGRAPH POWER AND COHERENCE

J. M. Lee, K. Terzakis, K. J. Pavone, O. Akeju, P. Firth, P. Purdon, E. N. Brown

Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

Perioperative Anesthesia 3

Abstracts in Poster Discussion Round: S-306 – S-313

10:30 am – 12:00 pm

PR03-48

Poster Moderator: B. Preckel, MD, MA, DEAA, Academic Medical Centre, Amsterdam, Netherlands

S-306 ANNEXIN-A1 BIOMIMETIC PEPTIDE ACTIVATES SIRTUIN-3 AND PROTECTS THE HEART FROM ISCHEMIA-REPERFUSION INJURY IN RATS FOLLOWING CARDIAC SURGERY

Z. Zhang, Q. Ma, M. V. Podgoreanu

Department of Anesthesiology, Duke University Medical Center, Durham, North Carolina

S-307 CAN THE USE OF DESFLURANE AFTER TOTAL INTRAVENOUS ANESTHESIA SHORTEN RECOVERY TIME IN SPINE SURGERY?

D. Lee, T. Kim, H. Kim, E. Kim

Anesthesia and Pain Medicine, Pusan National University Hospital, Busan, Republic of Korea

S-308 USE OF COMMON MEDICATIONS PREOPERATIVELY DOES NOT AFFECT RISK OF POSTOPERATIVE COMPLICATIONS IN PATIENTS WITH CHRONIC KIDNEY DISEASE

S. Kendale, J. S. Yeh, L. Bennici, J. Blitz

Anesthesiology, NYU School of Medicine, New York, New York

S-309 PROMOTING PERIOPERATIVE ADVANCE CARE PLANNING: A SYSTEMATIC REVIEW OF ADVANCE CARE PLANNING INSTRUMENTS

R. A. Aslakson¹, A. Schuster², J. Reardon¹, T. Lynch¹, J. Miller³, M. Weiss⁴, J. F. Bridges⁵

¹Anesthesiology and Critical Care Medicine, The Johns Hopkins School of Medicine, Baltimore, Maryland, ²Health Policy and Management, The Johns Hopkins School of Public Health, Baltimore, Maryland, ³N/A, Patient/family stakeholder co-investigator - N/A, Baltimore, Maryland, ⁴Surgery, The Johns Hopkins School of Medicine, Baltimore, Maryland, ⁵Health Policy and Management, The Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland



Subspecialty Physical Posters

PR03-48, continued

S-310 EFFECT OF IMPLEMENTING A PERIOPERATIVE SURGICAL HOME INCLUDING AN ENHANCED RECOVERY AFTER SURGERY PATHWAY FOR COLORECTAL SURGERY PATIENTS

M. D. McEvoy¹, A. B. King², J. P. Wanderer¹, T. Geiger³, M. Terekhov⁴, J. M. Ehrenfeld¹, W. Sandberg⁵

¹Department of Anesthesiology, Vanderbilt University, Nashville, Tennessee, ²Anesthesia and Critical Care Medicine, Vanderbilt University Medical Center, Nashville, Tennessee, ³Department of Surgery, Vanderbilt University Medical Center, Nashville, Tennessee, ⁴Anesthesiology and Perioperative Informatics Division, Vanderbilt University Medical Center, Nashville, Tennessee, ⁵Department of Anesthesiology, Vanderbilt University School of Medicine, Nashville, Tennessee

S-311 A PRE-OPERATIVE IMMUNE "STRESS-TEST" TO PREDICT CLINICAL RECOVERY FROM SURGERY

B. Gaudilliere¹, G. Fragiadakis², E. Ganio¹, M. Tingle¹, G. Nolan², M. Angst¹

¹Anesthesia, Stanford University, Stanford, California, ²Microbiology and Immunology, Stanford University, Stanford, California

S-312 ISOFLURANE INHIBITS DNA DAMAGE SIGNALING IN THE LUNGS OF MICE

K. C. Das¹, J. Wasnick², V. Kundumani-Sridharan¹

¹Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas, ²Anesthesiology, Texas Tech University Health Sciences Center/University, Lubbock, Texas

S-313 DO BIOMARKERS IMPROVE THE RCRI? AN INTERIM ANALYSIS OF THE TROPONIN ELEVATION AFTER MAJOR SURGERY (TEAMS) STUDY

M. Machina¹, K. Karkouti¹, S. Beattie²

¹Department of Anesthesia, Toronto General Hospital, Toronto, Ontario, Canada, ²Anesthesia, University of Toronto, Ancaster, Ontario, Canada

Perioperative Anesthesia 4

Abstracts in Poster Discussion Round: S-314 – S-318

10:30 am – 12:00 pm

PR03-49

Poster Moderator: S. Pai, MD, Mayo Clinic Florida, Jacksonville, Florida

S-314 CHRONIC OPIOID ASSOCIATED CENTRAL SLEEP APNEA: A SYSTEMATIC REVIEW

D. Correa¹, R. Farney², F. Chung³, J. Wong³, M. Nagappa⁴

¹Anesthesiology, Mount Sinai Hospital, Toronto, Ontario, Canada, ²Anesthesiology, University of Utah Health Sciences Center Intermountain Sleep Disorders Center, Intermountain Healthcare, LDS Hospital, Salt Lake City, Utah, ³Anesthesiology, Toronto Western Hospital, University Health Network, University of Toronto, Toronto, Ontario, Canada, ⁴Anesthesiology, Toronto Western Hospital, University of Toronto, Toronto, Ontario, Canada

PR03-49, continued

S-315 REDUCED PREOPERATIVE ESTIMATED GLOMERULAR FILTRATION RATE IS ASSOCIATED WITH POSTOPERATIVE MAJOR NON-CARDIAC ADVERSE EVENTS INCLUDING INCREASED RISK OF READMISSION WITHIN 30 DAYS OF SURGERY

J. Blitz, M. Shoham, V. Narine, N. Mehta, B. S. Sharma, P. Shekane, S. Kendale

Anesthesiology, NYU School of Medicine, New York, New York

S-316 OCULAR RADIATION EXPOSURE AND SHIELDING IN AN INTERVENTIONAL RADIOLOGY SUITE

D. Salek, B. Leone, P. Mongan

Anesthesiology, Mayo Clinic, Jacksonville, Florida

S-317 GOAL DIRECTED INTRAOPERATIVE THERAPY FOR HEAD AND NECK MICROVASCULAR FREE TISSUE TRANSFER

W. R. Hand¹, W. D. Stoll¹, M. D. McEvoy²

¹Anesthesiology and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina, ²Anesthesiology, Vanderbilt University, Nashville, Tennessee

S-318 APPLYING LATENT CLASS ANALYSIS TO PERIOPERATIVE RISK STRATIFICATION IN PATIENTS UNDERGOING INTRAABDOMINAL GENERAL SURGERY

M. Kim¹, M. Wall², G. Li³

¹Anesthesiology, Columbia University Medical Center, New York, New York, ²Biostatistics (in Psychiatry), Columbia University, New York, New York, ³Anesthesiology and Epidemiology, Columbia University, New York, New York



Moderated Poster Discussion Rounds • Monday, March 23

Subspecialty Physical Posters

Technology, Computing and Simulation, Equipment Monitoring 4

Abstracts in Poster Discussion Round: S-370 – S-374

10:30 am – 12:00 pm

PR03-50

Poster Moderator: T. Krejcie, MD, Northwestern University, Chicago, Illinois

S-370 THE EFFECTS OF ANESTHETIC AGENTS ON PUPILLARY REACTIVITY

H. Ushio, K. Shirozu, H. Setoguchi, Y. Karashima, K. Tokuda, T. Fujiyoshi, S. Hoka
Anesthesiology, Kyushu University, Fukuoka, Japan

S-371 EFFECT OF NOISE ON ANESTHESIA RESIDENT PERFORMANCE IN AN OPERATING ROOM SIMULATOR

R. R. McNeer¹, C. L. Bennett², N. Nedeff¹, R. Dudaryk¹
¹Anesthesiology, University of Miami Miller School of Medicine, Miami, Florida, ²Music Engineering Technology, University of Miami, Coral Gables, Florida

S-372 ACOUSTICAL ANALYSIS OF HIGH-FIDELITY AUDIO REPRODUCTION IN AN OPERATING ROOM SIMULATOR

R. R. McNeer¹, A. L. Ayers², R. Dudaryk¹, C. L. Bennett²
¹Anesthesiology, University of Miami Miller School of Medicine, Miami, Florida, ²Music Engineering Technology, University of Miami, Coral Gables, Florida

S-373 CHARCOAL FILTERS ARE THE MOST COST-EFFECTIVE METHOD TO PREPARE ZEUS DRAGER ANESTHESIA WORKSTATIONS FOR MALIGNANT HYPERTHERMIA SUSCEPTIBLE PATIENTS

V. M. Neira¹, K. George², W. Al Madhoun³, N. Barrowman⁴, K. Nolan¹
¹Anesthesiology, University of Ottawa, Children's Hospital of East, Ottawa, Ontario, Canada, ²Anesthesiology, University of Ottawa, Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada, ³Engineering, University of Ottawa, Ottawa, Ontario, Canada, ⁴Statistics, University of Ottawa, Children's Hospital of Eastern Ontario Research Institute, Ottawa, Ontario, Canada

S-374 MASIMO RADICAL-7 PULSE CO-OXIMETER AS A PREDICTOR OF FLUID RESPONSIVENESS TO HEMOHES HES 200/0.5 COMPARED WITH VOLUVEN HES 130/0.4 AND HEMAGEL IN MAJOR SURGERIES

S. H. Omar¹, M. A. Youssef¹, K. G. Radwan¹, A. S. El Hadidy¹, M. M. Hussein¹, M. F. Mahmoud², M. I. Youssef²
¹Anesthesia, Theodor Bilharz Research Institute, Cairo, Egypt, ²Anesthesia, Faculty of Medicine-Cairo University, Cairo, Egypt

Trauma 1

Abstracts in Poster Discussion Round: S-382 – S-383

10:30 am – 12:00 pm

PR03-51

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

S-382 DEVELOPMENT OF A NATIONAL RECOMMENDATION ON OUT-OF-HOSPITAL EMERGENCY ANESTHESIA

B. Hossfeld¹, M. Bernhard²
¹Department of Anesthesiology and Intensive Care Medicine, German Armed Forces Hospital Ulm, Ulm, Germany, ²Emergency Department, University of Leipzig, Leipzig, Germany

S-383 HYPEROXIC RESUSCITATION IMPROVES SURVIVAL BUT WORSENS NEUROLOGIC OUTCOME IN A RAT POLYTRAUMA MODEL OF TRAUMATIC BRAIN INJURY PLUS HEMORRHAGIC SHOCK

G. Fiskum
Anesthesiology, University of Maryland School of Medicine, Baltimore, Maryland

Cardiovascular Anesthesiology 5

Abstracts in Poster Discussion Round: S-85 – S-87, S-89 – S-92

12:00 pm – 1:30 pm

PR03-52

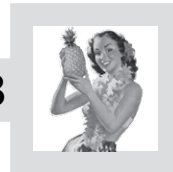
Poster Moderator: M. Dworschak, MD, MBA, Medical University of Vienna, Vienna, Austria

S-85 DELTA OPIOID RECEPTOR MEDIATES EXERCISE-INDUCED CARDIOPROTECTION IN RATS: EX VIVO AND IN VIVO EVIDENCE

M. Lessa, J. Borges
Laboratory of Cardiovascular investigation, Oswaldo Cruz Institute, Rio de Janeiro, Brazil

S-86 EVALUATION OF THE COAGULATION PROFILES OF STORED AUTOLOGOUS WHOLE BLOOD USING ROTATION THROMBOELASTOMETRY

S. Iwata¹, Y. Hirasaki¹, K. Hamada¹, I. Kondo¹, Y. Haramura¹, M. Nomura¹, M. Ozaki²
¹Department of Anesthesiology, Tokyo Women's Medical University Hospital, Tokyo, Japan, ²Department of Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan



Subspecialty Physical Posters

PR03-52, continued

S-87 UPRREGULATION OF MIR-21 RESTORES CARDIOPROTECTION IN STEM-CELL DERIVED HUMAN CARDIOMYOCYTES CULTURED IN HIGH GLUCOSE

J. Olson¹, Y. Yan¹, X. Bai¹, M. Liang², Z. J. Bosnjak¹

¹Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin, ²Physiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-89 LOXL2 A NOVEL TARGET IN VASCULAR STIFFNESS

J. Steppan¹, D. Hori¹, S. An², D. E. Berkowitz¹, L. Santhanam³

¹Anesthesiology and Critical Care Medicine, Johns Hopkins University, Baltimore, Maryland, ²Environmental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, ³Anesthesiology and Critical Care Medicine, Johns Hopkins University SOM, Baltimore, Maryland

S-90 PREOPERATIVE BRAIN NATRIURETIC PEPTIDE IN PEDIATRIC CARDIAC SURGERY PATIENTS: ITS ASSOCIATION WITH POSTOPERATIVE OUTCOMES

T. Kanazawa¹, M. Egi², Y. Toda³, K. Shimizu¹, T. Iwasaki¹, H. Morimatsu¹

¹Anesthesiology and Resuscitology, Okayama University Hospital, Okayama, Japan, ²Anesthesiology and Resuscitology, Kobe University Hospital, Kobe, Japan, ³Anesthesiology and Resuscitology, Okayama University Hospital, Okayama-shi, Japan

S-91 INCREASED INFLUENCE OF M-CSF RESULTS IN DIMINISHED ABILITY OF CIRCULATING MONOCYTE TO REGULATE IMMUNE SYSTEM

K. Laudanski¹, T. Dong², S. Badugu², H. Oszkiel³, N. Lapko⁴

¹Anesthesiology and Critical Care, University of Pennsylvania, Philadelphia, Pennsylvania, ²College, University of Pennsylvania, Philadelphia, Pennsylvania, ³Faculty of Veterinary Medicine, Warsaw University of Life Sciences, Warszawa, Poland, ⁴Medical College, Ivano-Frankivsk National Medical University, Philadelphia, Pennsylvania

S-92 COMPARISON OF OR VERSUS ICU PROVIDERS' PERCEPTION OF IMPORTANCE OF HANDOFF INFORMATION AT THE TIME OF PATIENT TRANSFER

E. D. Wittwer¹, V. Herasevich¹, B. Pickering¹

Anesthesiology, Mayo Clinic, Rochester, Minnesota

Patient Safety 3

Abstracts in Poster Discussion Round: S-253 – S-259

12:00 pm – 1:30 pm

PR03-53

Poster Moderator: P. Picton, MD, MRCP, FRCA, University of Michigan, Ann Arbor, Michigan

S-253 PATIENT EDUCATION MATERIALS FROM 23 NATIONAL ANESTHESIA ASSOCIATIONS: AVAILABILITY, READABILITY AND LINGUISTIC MEASURES

D. Govender¹, E. Jacobsohn¹, D. Parveen¹, S. M. Kereliuk¹, A. J. Villafranca¹
Anesthesiology, University of Manitoba, Winnipeg, Manitoba, Canada

S-254 USING QUALITY IMPROVEMENT METHODS TO DEVELOP A POSTOPERATIVE HANDOFF PROTOCOL

J. Tan¹, S. Carson², M. Templonuevo², S. Meyers², R. Purugganan¹, J. R. Ruiz¹

¹Anesthesiology and Perioperative Medicine, University of Texas MD Anderson Cancer Center, Houston, Texas, ²Division of Nursing - Post Anesthesia Care Unit, University of Texas MD Anderson Cancer Center, Houston, Texas

S-255 DOES ULTRASOUND GUIDANCE REDUCE COMPLICATIONS FROM CENTRAL LINE PLACEMENT

G. A. Nuttall¹, D. Brown², D. J. Kor², J. T. Mueller³, J. A. Cooley¹, K. M. Langford¹, K. J. Ojalvo¹

¹Anesthesiology, Mayo Clinic College of Medicine, Rochester, Minnesota, ²Anesthesiology, Mayo Clinic, Rochester, Minnesota, ³Anesthesiology, Mayo Clinic Arizona, Phoenix, Arizona

S-256 QUANTIFICATION OF THE SEVERITY AND IMPACT OF SYSTEM VULNERABILITIES IN THE PERIOPERATIVE MEDICATION DELIVERY SYSTEM: COMPARING SELF-FILLED AND PREFILLED MEDICATION SYRINGES

J. Abernathy¹, Y. Yang², C. Fortier³, J. Rivera⁴, W. R. Hand¹

¹Anesthesia and Perioperative Medicine, Medical University of South Carolina, Charleston, South Carolina, ²Industrial Engineering, Clemson University, Clemson University, South Carolina, ³Pharmacy, Massachusetts General Hospital, Boston, Massachusetts, ⁴Human Factors Engineering, Childrens Hospital of Wisconsin, Madison, Wisconsin

S-257 THE ASSOCIATION BETWEEN INTRAOPERATIVE PATIENT STATE INDEX AND POSTOPERATIVE COGNITIVE OUTCOMES

X. Zhang¹, B. Rizvi², A. Shalabi², J. M. Leung²

¹Department of Anesthesia and Intensive Care, Zhongshan Hospital, Fudan University, Shanghai, China, ²Department of Anesthesia and Perioperative Care, UCSF, San Francisco, California



Subspecialty Physical Posters

PR03-53, continued

S-258 IMPACT OF THE USE OF ELECTRONIC DEVICES IN THE OPERATING ROOM

D. Torres, *B. Valenzuela, C. Yen, C. Rojas, C. Rojas*
Anesthesiology, Clinica Santa Maria, Santiago, Chile

S-259 OPHTHALMIC SURGERY MORBIDITY AND MORTALITY:1998-MAY 2014 A RETROSPECTIVE STUDY FROM AN EYE HOSPITAL

R. C. Cross¹, G. Boyd¹, R. Walters¹, M. Hull¹, J. Taylor¹, J. Skelley¹, M. A. Rozner²

¹Department of Anesthesiology, UAB, Birmingham, Alabama,
²Anesthesiology, University of Texas MD Anderson Cancer Center, Houston, Texas

Patient Safety 4

Abstracts in Poster Discussion Round: S-260 – S-266

12:00 pm – 1:30 pm

PR03-54

Poster Moderator: TBD

S-260 USE OF A COMPUTERIZED ALERT TO REDUCE ALARM DISABLING IN THE OPERATING ROOM

E. Segal¹, *L. Toderis², H. Binder³, D. Admon⁴, P. Shleffer⁵*

¹Anesthesiology, Intensive Care and Pain Medicine, Assuta Medical Centers, Tel Aviv, Israel, ²Clinical Computing, Division of IT, Assuta Medical Centers, Tel Aviv, Israel, ³Clinical Computing, Division of IT, Assuta Medical Centers, Tel Aviv, Israel, ⁴Division of Information Technology, Assuta Medical Centers, Tel Aviv, Israel, ⁵Department of nursing, Assuta Medical Centers, Tel Aviv, Israel

S-261 INCIDENCE AND CAUSES OF PERIOPERATIVE ENDOTRACHEAL REINTUBATION IN THREE CENTERS OVER 10 YEAR PERIOD: A REVIEW OF 198 CASES FROM QUALITY IMPROVEMENT AND PATIENT SAFETY DATABASE

S. G. Reddy¹, *S. Qureshi², R. Banik¹*

¹Anesthesiology, Montefiore Medical Center, Bronx, New York,
²Medical School AECOM, AECOM, Bronx, New York

S-262 NON-INVASIVE RESPIRATORY VOLUME MONITORING IN THE POST ANESTHESIA CARE UNIT AND DURING THE FIRST POSTOPERATIVE NIGHT IN OBESE PATIENTS

R. Schumann¹, A. Gupta¹, D. Ladd², I. Bonney¹, D. Eversole³

¹Anesthesiology, Tufts Medical Center, Boston, Massachusetts,
²Research and Development, Respiratory Motion, Inc., Waltham, Massachusetts, ³Clinical Research, Respiratory Motion, Waltham, Massachusetts

S-263 EVALUATION OF THE RELATIONSHIP BETWEEN NON-INVASIVE MINUTE VENTILATION AND END-TIDAL CO₂ IN INTUBATED AND NON-INTUBATED PATIENTS

C. Voscopoulos¹, *C. MacNabb², E. George³*

¹Anesthesiology, Duke University, Durham, North Carolina,
²Research, Respiratory Motion, Inc., Waltham, Massachusetts,
³Anesthesiology, Massachusetts General Hospital, Boston, Massachusetts

S-264 NON-INVASIVE RESPIRATORY VOLUME MONITORING PROVIDES ADVANCED WARNING OF RESPIRATORY DEPRESSION AND CAN BE USED TO REDUCE FALSE ALARMS

C. Voscopoulos¹, *J. Freeman², E. George³*

¹Anesthesiology, Duke University, Durham, North Carolina,
²Research, Respiratory Motion, Waltham, Massachusetts,
³Anesthesiology, Massachusetts General Hospital, Boston, Massachusetts

S-265 EXAMINING ADVERSE EVENT REPORTING IN CLINICAL TRIALS OF INTERVENTIONAL PAIN TREATMENTS: AN ACTION SYSTEMATIC REVIEW

M. R. Williams¹, *S. M. Smith¹, I. Gilron², D. Turk³, R. Dworkin¹*

¹Anesthesiology, University of Rochester School of Medicine, Rochester, New York, ²Anesthesiology, Queen's University, Kingston, Ontario, Canada, ³Anesthesiology, University of Washington, Seattle, Washington

S-266 ENGAGING PHYSICIANS AND EXECUTIVES IN PATIENT BLOOD MANAGEMENT: EDUCATION, SELECTION AND REPORTING OF OUTCOMES

P. E. Greilich¹, *M. McBroom¹, J. Benuzillo², A. Tricinella¹, M. S. Peters³, S. Hill¹, S. Ring⁴*

¹Anesthesiology and Pain Management, University of Texas Southwestern Medical Center, Dallas, Texas, ²Cardiovascular Clinical Program, Intermountain Institute for Healthcare Research and Delivery, Salt Lake City, Utah, ³Surgical Services Clinical Program, Intermountain Institute for Healthcare Delivery and Research, Salt Lake City, Utah, ⁴Cardiovascular and Thoracic Surgery, University of Texas Southwestern Medical Center, Dallas, Texas



Subspecialty Physical Posters

Pediatric Anesthesiology 3
Abstracts in Poster Discussion Round: S-283 – S-290
12:00 pm – 1:30 pm

PR03-55

Poster Moderator: L. Sun, MD, Columbia University, New York, New York

S-283 ANALYSIS OF RHABDOMYOLYSIS IN PEDIATRIC SURGICAL INPATIENT ADMISSIONS USING THE KIDS DATABASE

D. T. Maduram, L. Sun, T. Pinyavat
 Department of Anesthesiology, Columbia University, New York, New York

S-284 PREDICTING THE DEPTH OF THE EPIDURAL SPACE BY USING ULTRASONOGRAPHY IN CHILDREN

S. Kawasaki, J. Yoshino, N. Fujimura
 Anesthesia, St.Mary's Hospital, Fukuoka, Japan

S-285 ALTERED MITOCHONDRIAL DYNAMICS CONTRIBUTES TO PROPOFOL-INDUCED CELL DEATH IN HUMAN STEM CELL-DERIVED NEURONS

D. Twaroski, Y. Yan, I. Zaja, Y. Liu, Z. Bosnjak, X. Bai
 Anesthesiology, Medical College of Wisconsin, Milwaukee, Wisconsin

S-286 A PRELIMINARY COMPARISON OF COGNITIVE OUTCOME AFTER EXPOSURE TO GENERAL ANESTHESIA OR SPINAL ANESTHESIA DURING INFANCY

R. Williams¹, G. Reimer², A. Taenzer³, D. M. Mathews⁴, D. Howard⁵, A. Friend⁴, I. Black⁴
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S-287 INCIDENCE AND ASSOCIATED MORBIDITY AND MORTALITY OF PERIOPERATIVE ASPIRATION IN PEDIATRIC INPATIENTS

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¹Anesthesiology, Columbia University Medical Center, New York, New York, ²Biostatistics, Columbia University Medical Center, New York, New York

S-288 FENTANYL MITIGATES NEUROTOXICITY INDUCED BY PRENATAL PROPOFOL EXPOSURE IN RATS

J. Li, M. Xiong, A. Patel, J. H. Ye, A. Bekker
 Anesthesiology, Rutgers New Jersey Medical School, Newark, New Jersey

S-289 ACADEMIC PERFORMANCE AFTER ANESTHESIA AND SURGERY DURING CHILDHOOD: A LARGE-SCALE NATION-WIDE STUDY

P. Glatz¹, R. H. Sandin¹, N. L. Pedersen², A. Edstedt Bonamy³, L. I. Eriksson¹, F. N. Granath⁴
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S-290 MULTIMODAL ANESTHESIA WITH THE ADDITION OF METHADONE IS SUPERIOR TO EPIDURAL ANALGESIA – A RETROSPECTIVE COMPARISON OF INTRAOPERATIVE ANESTHETIC TECHNIQUES AND PAIN MANAGEMENT FOR 124 PEDIATRIC PATIENTS UNDERGOING THE NUSS PROCEDURE

N. R. Singhal¹, J. Jones¹, R. Cotugno², J. Semenova², K. McCollum², A. Williamson², J. Jerman¹
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Subspecialty Physical Posters

Technology, Computing and Simulation, Equipment Monitoring 5

Abstracts in Poster Discussion Round: S-375 – S-380

12:00 pm – 1:30 pm

PR03-56

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

S-375 THE RISK FACTORS FOR ARTERIAL LINE INACCURACY DURING GENERAL ANESTHESIA: A RETROSPECTIVE OBSERVATIONAL COHORT STUDY

K. Minami, Y. Sugiyama, H. Iida

Department of Anesthesiology and Pain Medicine, Gifu University Hospital, Gifu, Japan

S-376 EVALUATION OF A NEWLY DEVELOPED MONITOR OF DEEP BODY TEMPERATURE

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S-377 RELATIONSHIP BETWEEN OXYGEN RESERVE INDEX AND ARTERIAL PARTIAL PRESSURE OF OXYGEN DURING SURGERY

R. Applegate¹, I. Dorotta¹, P. Applegate², G. Andrews¹, M. Olson¹, M. H. Um¹

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S-378 THE RELATIONSHIP BETWEEN THE QCON HYPNOTIC EFFECT INDEX AND THE QNOX NOCICEPTION INDEX DURING PHYSIOLOGICAL SLEEP

E. W. Jensen

R&D, Quantum Medical, Mataro, Spain

S-379 CLOSED LOOP RESUSCITATION OF AN OVINE MULTI HEMORRHAGE MODEL USING FUZZY LOGIC, PROPORTIONAL INTEGRAL AND DECISION TABLE CONTROLLERS

N. Ribeiro Marques¹, B. Ford¹, M. Kinsky¹, M. Khan¹, M. Salter¹, H. Ying², G. Kramer¹

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S-380 IMULATION MANIKIN MODIFICATIONS FOR HIGH FIDELITY TRAINING OF ADVANCED AIRWAY PROCEDURES

J. Hirsch¹, J. R. Generoso², C. Klopovic², R. Latoures², R. L. Fidler¹

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Medically Challenging Cases ePosters

Medically Challenging Cases 22
Abstracts in Poster Discussion Round: MC-95 – MC-97
7:00 am – 8:30 am Monitor 1

MCC03-22

Poster Moderator: J. Charchafieh, MD, Yale University, New Haven, Connecticut

MC-95 AIRWAY MANAGEMENT IN PEDIATRIC PATIENT WITH TRAUMATIC PROLAPSE OF NECROTIC BUCCAL FAT PAD

S. Syed¹, A. Mohiuddin²

¹Anesthesiology, ZMAR PA, Sugar Land, Texas, ²Anesthesiology, Rutgers Medical School/Robert Wood Johnson University Hospital, New Brunswick, New Jersey

MC-96 IS A DIFFICULT AIRWAY PREDICTABLE IN A NEONATE WITH POSSIBLE SKELETAL DYSPLASIA?

L. Tran, S. E. Chen

Anesthesiology and Critical Care Medicine, Children's Hospital Los Angeles, Los Angeles, California

MC-97 MEDIASTINAL MASS IN KIDS – HARD TO VISUALIZE THE AIRWAY – JUST PRINT IT

V. Bansal, F. Azzam, J. DeBoard

Department of Anesthesiology, St. Louis University, St. Louis, Missouri

Medically Challenging Cases 23
Abstracts in Poster Discussion Round: MC-100 – MC-102
7:00 am – 8:30 am Monitor 2

MCC03-23

Poster Moderator: P. Picton, MD, MRCP, FRCA, University of Michigan, Ann Arbor, Michigan

MC-100 EXTRACORPOREAL MEMBRANE OXYGENATION AS A RESCUE DEVICE FOR POST-REPERFUSION CARDIAC ARREST DURING LIVER TRANSPLANTATION

M. E. Tejani, G. Wagener

Anesthesiology, Columbia Medical Center, New York, New York

MC-101 SUCCESSFUL LIVER TRANSPLANTATION COMPLICATED BY ACUTE HYPOTENSIVE TRANSFUSION REACTION IN A PATIENT ON ACE INHIBITORS

R. Maniam, D. Darrah

Anesthesiology, Columbia University, New York, New York

MC-102 REFRACTORY HYPOTENSION DURING SURGERY CAUSED BY SEPTIC SHOCK AND HEPATIC CYST COMPRESSION ON RIGHT ATRIUM IN A WOMAN WITH POLYCYSTIC KIDNEY DISEASE

J. Tan, H. R. Abdullah

Department of Anaesthesiology, Singapore General Hospital, Singapore, Singapore

Medically Challenging Cases 24
Abstracts in Poster Discussion Round: MC-103 – MC-106
7:00 am – 8:30 am Monitor 3

MCC03-24

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

MC-103 ANESTHETIC CONSIDERATIONS IN A PATIENT WITH POST CONCUSSION SYNDROME

R. Sarna¹, D. Palaniappan²

¹Anesthesiology, University of Connecticut, Hartford, Connecticut,

²Anesthesiology, Hartford Hospital, Hartford, Connecticut

MC-104 SHIVERING OR A SEIZURE EPISODE? A DILEMMA AT EMERGENCE FROM ANESTHESIA FOR THE PATIENT WITH A COMPLEX PARTIAL SEIZURE DISORDER

W. Chee

Department of Anesthesiology, Montefiore Medical Center and Albert Einstein College of Medicine, Manhasset, New York

MC-105 ANESTHETIC MANAGEMENT OF A PATIENT WITH INCLUSION BODY MYOSITIS

S. Coleman, M. Zhao, J. Tang, R. Yumul, R. H. Wender

Anesthesiology, Cedars-Sinai Medical Center, Los Angeles, California

MC-106 PERIOPERATIVE VASOVAGAL ASYSTOLE

D. Dott, J. Schlesinger

Department of Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee



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Medically Challenging Cases 25

Abstracts in Poster Discussion Round: MC-107 – MC-112

8:30 am – 10:00 am Monitor 1

MCC03-25

Poster Moderator: D. Chatterjee, MD, Children's Hospital Colorado University School of Medicine, Aurora, Colorado

MC-107 EX-UTERO INTRAPARTUM THERAPY (EXIT) FOR CONGENITAL CERVICAL LYMPHOVENOUS MALFORMATION CAUSING AIRWAY OBSTRUCTION

E. D. Foley¹, J. Dadson²

¹Anesthesiology, University of Texas Southwestern Medical Center, Dallas, Texas, ²Anesthesiology, University of Texas Southwestern Children's Medical Center, Dallas, Texas

MC-108 PERIPHERAL NERVE BLOCK IN A CHILD FOR SKIN GRAFTING: PLAYING WITH FIRE?

G. Shah¹, M. J. Qadri², M. C. Lupa³

¹Anesthesiology, University of North Carolina, Durham, North Carolina, ²Anesthesiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, ³Anesthesiology, University of North Carolina, Chapel Hill, North Carolina

MC-109 MY CHILD SWALLOWED A BUTTON BATTERY – IS IT DANGEROUS?!

R. M. Sloan, A. Reddy

Department of Anesthesiology, University of Kentucky, Lexington, Kentucky

MC-110 TRACHEOESOPHAGEAL FISTULA REPAIR IN A PATIENT WITH TETRALOGY OF FALLOT

C. L. Barry¹, J. L. Rosing²

¹Anesthesiology, University of Cincinnati Medical Center, Cincinnati, Ohio, ²Anesthesiology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

MC-111 ANESTHETIC MANAGEMENT OF DYSTROPHIC EPIDERMOLYSIS BULLOSA

C. L. Barry¹, V. Chidambaran²

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MC-112 TRANSFUSION-FREE CALVARIAL VAULT RECONSTRUCTION IN A JEHOVAH'S WITNESS INFANT WITH CRANIOSYNOSTOSIS

S. K. Reddy, D. N. Santos

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

Medically Challenging Cases 26

Abstracts in Poster Discussion Round: MC-113 – MC-117

8:30 am – 10:00 am Monitor 2

MCC03-26

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

MC-113 USE OF A SIMPLE NASAL CPAP ASSEMBLY AS A RESCUE DEVICE TO IMPROVE NASAL VENTILATION AND OXYGENATION IN A HIGH-RISK ELDERLY PATIENT WITH SUSPECTED OSA UNDER MAC DURING UMBILICAL HERNIA REPAIR

M. Figura, N. Grayer, A. Poon, W. Wang, J. L. Cowell, S. Cohen, J. Tse
Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

MC-114 INTRAOPERATIVE END-OF-LIFE DECISION-MAKING IN A PATIENT WITH SEVERE MESENTERIC ISCHEMIA

R. Ivie, R. Maniker

Anesthesiology, Columbia University Medical Center, New York, New York

MC-115 A CASE OF PERSISTENT DYSPHASIA AFTER CAROTID ENDARTERECTOMY

A. Ohashi, K. Kamata, N. Gonda, T. Uno, Y. Osawa, K. Hamada, M. Ozaki

Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan

MC-116 SUDDEN UNRESPONSIVENESS IN THE PACU, SEROTONIN SYNDROME?

M. Lowe, J. Munis

Anesthesiology, Mayo Clinic, Rochester, Minnesota

MC-117 A CASE OF PSYCOGENIC TREMOR DURING AWAKE CRANIOTOMY

K. Kamata, K. Kujirai, A. Ohashi, T. Uno, E. Takahashi, K. Hamada, M. Ozaki;

Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan



Medically Challenging Cases ePosters

Medically Challenging Cases 27
Abstracts in Poster Discussion Round: MC-118 – MC-120
8:30 am – 10:00 am Monitor 3

MCC03-27

Poster Moderator: L. Knox, MD, University Texas Medical Branch, Galveston, Texas

MC-118 A CASE OF CESAREAN SECTION IN A PARTURIENT WITH CONGENITAL LONG QT SYNDROME, WHICH CONVERTED FROM EPIDURAL LABOR ANALGESIA TO COMBINED SPINAL EPIDURAL ANESTHESIA

K. Takechi, T. Nagaro

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MC-119 CESAREAN DELIVERY IN A PARTURIENT DURING A SYSTEMIC LUPUS ERYTHEMATOSUS EXACERBATION

C. G. Martel¹, L. Germond²

¹Anesthesiology, Ochsner Clinic Foundation, New Orleans, Louisiana, ²Anesthesiology, Ochsner Clininc Foundation, New Orleans, Louisiana

MC-120 A CASE OF CHRONIC HEPATITIS B MERRGED THE ACUTE FATTY LIVER OF PREGNANCY WITH SEVERE COAGULOPATHY

F. Ono, K. Kamata, A. Abe, M. Yanaki, T. Kato, M. Nomura, M. Ozaki
Anesthesiology, Tokyo Women's Medical University, Tokyo, Japan

Medically Challenging Cases 28
Abstracts in Poster Discussion Round: MC-122 – MC-126
10:30 am – 12:00 pm Monitor 1

MCC03-28

Poster Moderator: J. Novalija, PhD, MD, Medical College of Wisconsin, Milwaukee, Wisconsin

MC-122 USEFULNESS OF INTRAOPERATIVE REAL-TIME THREE-DIMENSIONAL TRANSESOPHAGEAL ECHOCARDIOGRAPHY FOR ASSESSMENT OF SUPERIOR-INFERIOR VENTRICLES

Y. Haramura, Y. Hirasaki, F. Daigo, R. Fukushima, K. Sato, M. Nomura, M. Ozaki, S. Iwata

Department of Anesthesiology, Tokyo Women's Medical University Hospital, Tokyo, Japan

MC-123 PERIPARTUM STRESS-INDUCED CARDIOMYOPATHY UNMASKED AT ONSET OF SPINAL ANESTHESIA

A. B. Pichurko¹, C. Gans², S. Quadri¹

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MC-124 INTRAOPERATIVE MANAGEMENT OF UNEXPECTED SAM SECONDARY TO HYPOVOLEMIA IN NONCARDIAC SURGERY

U. U. Williams, J. Santos, J. Dang, D. R. Thakar, A. Van Meter
Anesthesiology and Perioperative Medicine, MD Anderson Cancer Center, Houston, Texas

MC-125 ARTERIAL CANNULA CLOT FORMATION IN A HYBRID ECMO CONFIGURATION: A UNIQUE POTENTIAL CATASTROPHIC COMPLICATION

W. Keeyapaj¹, A. Yasuda², B. F. Atwood²

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MC-126 PROMINENT CHIARI NETWORK LEADING TO DIFFICULT VENOUS CANNULATION DURING CARDIOPULMONARY BYPASS

K. Willmann, C. McQuitty

Anesthesiology, University of Texas Medical Branch, Galveston, Texas

Medically Challenging Cases 29
Abstracts in Poster Discussion Round: MC-127 – MC-131
10:30 am – 12:00 pm Monitor 2

MCC03-29

Poster Moderator: F. Peralta, MD, Northwestern University Feinberg School of Medicine, Chicago, Illinois

MC-127 PERIPARTUM CARE OF A PATIENT POST TAKEUCHI PROCEDURE

M. Meng, E. Reitman-Ivashkov

Anesthesiology, Columbia University, New York, New York

MC-128 IGA NEPHROPATHY AND PREECLAMPSIA IN A TWIN PREGNANCY

M. DeCicca

Anesthesia, SUNY Upstate, Syracuse, New York



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MCC03-29, continued

MC-129 HORNER'S SYNDROME DEVELOPMENT FOLLOWING LUMBAR PLACEMENT OF A LABOR EPIDURAL: A CASE REPORT

J. Chiem¹, D. I. Smith²

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²Anesthesiology, University of Rochester School of Medicine, Rochester, New York

MC-130 MANAGEMENT OF CESAREAN SECTION IN PATIENT WITH POMPE'S DISEASE USING BIPAP AND CSE

Y. Yeap, K. Levin

Anesthesia, Indiana University School of Medicine, Indianapolis, Indiana

MC-131 MANAGEMENT OF A PARTURIENT WITH FETAL SACROCOCCYGEAL TERTOMA: OBSTETRIC AND ANESTHETIC CONSIDERATIONS

L. Lee, G. Ristev, Y. Xia

Department of Anesthesiology, The Ohio State University Wexner Medical Center, Columbus, Ohio

Medically Challenging Cases 30
Abstracts in Poster Discussion Round: MC-132 – MC-134
10:30 am – 12:00 pm Monitor 3

MCC03-30

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

MC-132 SEVERE, SYMPTOMATIC HYPONATREMIA DUE TO AMIODARONE USE

A. Pearson¹, X. Zhu²

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MC-133 BILATERAL BRONCHIAL DEHISCENCE WITH PNEUMONIA AFTER LUNG TRANSPLANTATION SUCCESSFULLY MANAGED WITH VENO-VENOUS EXTRACORPOREAL MEMBRANE OXYGENATION UNDER SPONTANEOUS BREATHING

Y. Hikasa, M. Tani, M. Kobayashi, S. Okahara, H. Morimatsu

Anesthesiology and Resuscitology, Okayama University Hospital, Okayama, Japan

MC-134 VENOVENOUS-EXTRACORPOREAL MEMBRANE OXYGENATION (VV-ECMO) FOR THE MANAGEMENT OF FULMINANT H1N1-INFLUENZA ASSOCIATED ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS)

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Medically Challenging Cases 31
Abstracts in Poster Discussion Round: MC-135 – MC-139
12:00 pm – 1:30 pm Monitor 1

MCC03-31

Poster Moderator: L. Mathews, MD, Vanderbilt University, Nashville, Tennessee

MC-135 A CASE WITH RIGHT UPPER LOBE PULMONARY EDEMA DURING ONE-LUNG VENTILATION ANESTHESIA WITH A PAST HISTORY OF ARTERIAL SWITCH OPERATION.

R. Fukushima¹, F. Daigo², Y. Kasuya¹, Y. Seino³, S. Kurokawa¹, M. Nomura⁴, M. Ozaki¹

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MC-136 THE ANESTHETIC MANAGEMENT OF A PATIENT WITH HUGE INVASIVE THYMOMA INVOLVING THE SUPERIOR VENA CAVA AND PERICARDIUM

K. Okada, T. Ichinomiya, I. Shibata, T. Maekawa, T. Hara

Anesthesiology, Nagasaki University Hospital, Nagasaki, Japan

MC-137 MANAGEMENT OF A PATIENT WITH EXTREMELY SEVERE THORACOLUMBAR KYPHOSCOLIOSIS

S. Kawashima, H. Asaba, K. Kobayashi, T. Kimura, H. Makino, T. Katoh, S. Sato

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MC-138 AGITATED SALINE CONTRAST TRANSTHORACIC ECHOCARDIOGRAPHY ADDS TO COMPLETE PATIENT EVALUATION

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Medically Challenging Cases ePosters

MCC03-31, continued

MC-139 PERIOPERATIVE MANAGEMENT OF A PATIENT WITH SEVERE PULMONARY HYPERTENSION DUE TO CONGENITAL ABSENCE OF THE PORTAL VEIN

S. Ishikawa¹, N. Katori¹, R. Wakamiya¹, S. Ideno¹, U. Tomomi¹, T. Suzuki¹, H. Morisaki²

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Medically Challenging Cases 32 Abstracts in Poster Discussion Round: MC-140 – MC-143 12:00 pm – 1:30 pm Monitor 2

MCC03-32

Poster Moderator: M. Rosenblatt, MD, Mt. Sinai, New York, New York

MC-140 A PRESSURE PARADOX: EPIDURAL BLOOD PATCH FOR LOW CSF PRESSURE HEADACHE FOLLOWING A LUMBAR DURAL PUNCTURE IS A SERIES OF TWO PATIENTS WITH IDIOPATHIC INTRACRANIAL HYPERTENSION

C. T. Rezba¹, R. Rhoades², A. Chapman²

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MC-141 EPIDURAL AND INTRATHECAL SPREAD OF LOCAL ANESTHETIC AFTER LUMBAR PLEXUS BLOCK

C. Estrada

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MC-142 EPIDURAL CATHETER MIGRATION INTO PARAVERTEBRAL SPACE IDENTIFIED ON VIDEOTHORACOSCOPY

M. Tomonari, W. Danjou, Y. Itou

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MC-143 ANTERIOR SPINAL ARTERY SYNDROME AFTER THORACIC EPIDURAL PLACEMENT

Y. Yeap

Anesthesia, Indiana University School of Medicine, Indianapolis, Indiana

Medically Challenging Cases 33 Abstracts in Poster Discussion Round: MC-144, MC-146 – MC-147 12:00 pm – 1:30 pm Monitor 3

MCC03-33

Poster Moderator: M. Hollmann, MD, PhD, DEAA, Academic Medical Center Amsterdam, Amsterdam, Netherlands

MC-144 BILATERAL ENDOBRONCHIAL INTUBATION BY TRACHEOSTOMY WITH SYNCHRONIZED INDEPENDENT LUNG VENTILATION TO ALLOW FOR DECANNULATION FROM VV ECMO AFTER REPAIR OF A LARGE TRACHEOGASTRIC FISTULA AFTER ESOPHAGECTOMY

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MC-146 USE OF PERFLUORODECALIN FOR BRONCHOALVEOLAR LAVAGE IN CASE OF SEVERE PULMONARY HEMORRHAGE AND EXTRACORPOREAL MEMBRANE OXYGENATION

M. E. Caridi-Scheible, J. M. Blum

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MC-147 CASE OF ACUTE INTERSTITIAL PNEUMONITIS WITH AN ATYPICAL CLINICAL PRESENTATION, RADIOLOGIC FINDINGS, AND RESPONSE TO CORTICOSTEROID THERAPY

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Medically Challenging Case Reports 6
Abstracts in Poster Discussion Round: S-466 – S-469
8:30 am – 10:00 am Monitor 4

RES03-16

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

S-466 MULTIDOSE ADENOSINE USED TO FACILITATE CLIPPING OF A CEREBRAL ANEURYSM COMPLICATED BY INTRAOPERATIVE RUPTURE

R. J. Vealey, A. Koht, C. A. Wong

Anesthesiology, Northwestern University, Chicago, Illinois

S-467 ACUTE REFRACTORY HYPOPARATHYROIDISM STATUS POST THYROID SURGERY

C. Dickson¹, T. Jardeleza²

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S-468 REPLACEMENT OF A DILATED AORTIC ROOT IN A PREGNANT MARFAN SYNDROME PATIENT

A. Quan, V. Ng, M. Rollins

Anesthesiology, UCSF, San Francisco, California

S-469 RARE LEIOMYOSARCOMA OF THE RIGHT INTERNAL ILIAC VEIN METASTATIC TO THE RIGHT HEART: A CASE REPORT

A. C. Lee, S. Lo

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S-508 A SURVEY ON PREOPERATIVE FASTING PROTOCOLS AND PRACTICES

N. S. Chima¹, J. R. Maltby², O. Ljungqvist³, R. N. Merchant⁴

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S-509 TRANSMISSION OF GRAM NEGATIVE BACTERIA FOUND IN THE ANESTHESIA WORK AREA

J. C. Peters¹, R. W. Loftus², N. W. Shworak³, H. M. Patel²

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S-510 HARMS ASSOCIATED WITH SINGLE-UNIT PERIOPERATIVE BLOOD TRANSFUSION: A RETROSPECTIVE COHORT STUDY

E. L. Whitlock¹, H. Kim¹, A. D. Auerbach²

¹Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California, ²Medicine, University of California, San Francisco, San Francisco, California

S-432 THE EFFECTS OF THE AGE ON FENTANYL-INDUCED BISPECTRAL INDEX VALUE AND SPECTRAL EDGE FREQUENCY 95% CHANGES UNDER GENERAL ANESTHESIA

Y. Horikoshi¹, H. Nakayama¹, H. Nagasaka¹, T. Imamura², S. Hagihira³

¹Department of Anesthesiology, Saitama Medical University Hospital, Irumagun, Japan, ²Division of Anesthesiology, Meikai University Hospital, Sakado, Japan, ³Department of Anesthesiology, Osaka University Graduate School of Medicine, Suita, Japan

Patient Safety 2 & Geriatric Anesthesia 1
Abstracts in Poster Discussion Round: S-507 – S-510, S-432
8:30 am – 10:00 am Monitor 5

RES03-17

Poster Moderator: G. Boyd, MD, University of Alabama at Birmingham, Birmingham, Alabama

S-507 INFORMED CONSENT FOR SURGICAL MISSIONS IN THE DEVELOPING WORLD: THE PATIENT PERSPECTIVE

C. D. Sutton, G. C. Lynde

Department of Anesthesiology, Emory University, Atlanta, Georgia

Pain Medicine 2 & Liver 1
Abstracts in Poster Discussion Round:
S-498 – S-501, S-433 – S-434
8:30 am – 10:00 am Monitor 6

RES03-18

Poster Moderator: C. Mantilla, MD, PhD, Mayo Clinic, Rochester, Minnesota

S-498 TREATMENT OF CHRONIC ABDOMINAL WALL PAIN USING ULTRASOUND-GUIDED RADIOFREQUENCY ABLATION

S. Harshman, A. Rakic

Anesthesiology, University of Illinois at Chicago, Chicago, Illinois



Resident ePosters

RES03-18, continued

S-499 ADVERSE EVENT REPORTING IN ACUTE POSTOPERATIVE PAIN RANDOMIZED CONTROLLED TRIALS

D. N. Hoffer¹, J. Parlow¹, R. Allard¹, S. M. Smith², I. Gilron¹

¹Anesthesiology and Perioperative Medicine, Queen's University, Kingston, Ontario, Canada, ²School of Medicine and Dentistry, University of Rochester, Rochester, New York

S-500 MULTIDISCIPLINARY TREATMENT OF CHRONIC PAIN PATIENTS: DOES OBESITY AFFECT TREATMENT OUTCOME?

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S-501 THE INCIDENCE OF POLYPHARMACY IN THE PAIN CLINIC POPULATION

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S-433 BLOODLESS LIVER TRANSPLANTATION IN JEHOVAH WITNESS PATIENTS: THE EXPERIENCE OF A SINGLE UNIVERSITY TRANSPLANTATION CENTER

C. Garbee¹, B. Podd², I. A. Hilmi³

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S-434 EVALUATION OF POSTOPERATIVE COAGULATION PROFILE IN LIVING LIVER DONORS

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Medically Challenging Case Reports 7
Abstracts in Poster Discussion Round: S-470 – S-475
10:30 am - 12:00 pm Monitor 4

RES03-19

Poster Moderator: A. Attaallah, MD, PhD, West Virginia University School of Medicine, Morgantown, West Virginia

S-470 A RARE GENETIC VARIANT OF THE RYANODINE RECEPTOR IN A SUSPECTED MALIGNANT HYPERTHERMIA SUSCEPTIBLE PATIENT

E. MacKay¹, C. Wilkerson², T. Kennedy²

¹Anesthesiology, Thomas Jefferson University Hospital, Philadelphia, Pennsylvania, ²Anesthesiology, Sidney Kimmel Medical College, Philadelphia, Pennsylvania

S-471 THE BEST-LAID PLANS: A CASE REPORT OF AN EPIDURAL ANESTHETIC GONE AWRY IN A MEDICALLY CHALLENGING PATIENT

H. C. Goucher, Y. Asher

Department of Anesthesiology, Northwestern University, Chicago, Illinois

S-473 LOCAL ANESTHETIC SYSTEMIC TOXICITY RECOGNITION AND MANAGEMENT

S. Rotchel, P. Suresh

Anesthesiology, University of California, San Diego, San Diego, California

S-474 A MULTIDISCIPLINARY APPROACH FOR A NEWBORN WITH A LARGE CERVICAL TERATOMA AND HYPOPLASTIC RIGHT HEART SYNDROME

J. E. Colon, S. Couch

Anesthesiology, Ochsner Medical Center, New Orleans, Louisiana

S-475 CASE SERIES: FOUR PATIENTS WITH POSTOPERATIVE DELIRIUM FOLLOWING ELECTIVE ORTHOPEDIC SHOULDER SURGERY

J. J. Pena¹, J. G. Gaudet¹, A. E. Wilhelm², A. R. Brown¹, D. Ludwin¹

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Regional Anesthesia 1
Abstracts in Poster Discussion Round: S-524 – S-526
10:30 am – 12:00 pm Monitor 5

RES03-20

Poster Moderator: R. Wardhan, MD, Yale University, New Haven, Connecticut

S-524 BILATERAL LOWER EXTREMITY BLOCKS FOR ABOVE THE KNEE AMPUTATIONS IN PATIENT WITH GANGRENE AND MULTIPLE CO-MORBIDITIES

J. Rivera¹, J. J. Gonzalez²

¹Anesthesiology, Montefiore Medical Center, Bronx, New York, ²Anesthesiology, Cleveland Clinic, Cleveland, Ohio

S-525 PARASACRAL SCIATIC NERVE BLOCK VERSUS LABATT SCIATIC NERVE BLOCK FOR HIP ARTHROSCOPY

B. Kornblatt, J. D. Jaffe, D. Henshaw, R. Weller

Anesthesiology, Wake Forest Baptist Hospital, Winston-Salem, North Carolina



Moderated Poster Discussion Rounds • Monday, March 23

Resident ePosters

RES03-20, continued

S-526 QUANTIFICATION OF VENOUS PRESSURES DURING INTRAVENOUS REGIONAL ANESTHESIA

B. Farhang¹, A. Lesiak², D. Ianno³, A. Shafritz⁴, C. Viscomi³

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Technology, Computing and Simulation, Equipment Monitoring 1 & Pediatric Anesthesiology 1

Abstracts in Poster Discussion Round:

S-528 – S-531, S-511 – S-513

10:30 am – 12:00 pm Monitor 6

RES03-21

Poster Moderator: P. Ranganathan, MD, West Virginia University School of Medicine, Morgantown, West Virginia

S-528 BLOOD VOLUMES CONTAINED WITHIN SURGICAL SPONGES AT THE END OF SURGERY

G. Konig¹, A. Hosford², S. Satish², J. Waters¹

¹Anesthesiology, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, ²Gauss Surgical, Los Altos, California

S-529 ACQUISITION OF BASIC AND RESCUE TRANSESOPHAGEAL ECHOCARDIOGRAPHY SKILLS AND KNOWLEDGE BY NOVICE ANESTHESIOLOGY RESIDENTS USING HIGH-FIDELITY SIMULATION

D. P. Kirby, L. A. Sueda, R. Fagley, J. D. Helman, C. Hoaglan, F. Salinas
Anesthesiology, Virginia Mason Medical Center, Seattle, Washington

S-530 PROCESS IMPROVEMENTS FOR TIMELY INITIATION OF EPIDURAL INFUSION FOR POST-OPERATIVE PAIN CONTROL

A. C. Shah, M. McGauvran, B. Nair, L. Bollag

Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington

S-531 ASSESSMENT OF RIGHT VENTRICULAR FUNCTION USING FLOTRAC/VIGILEO CARDIAC OUTPUT MONITOR

K. Kassel, S. R. Musuku, S. Pani

Anesthesiology, Albany Medical Center, Albany, New York

S-511 THE ROLE OF INTRAOPERATIVE IV ACETAMINOPHEN IN POSTOPERATIVE PAIN MANAGEMENT IN PATIENTS UNDERGOING CLEFT LIP SURGERY

J. Sinskey, J. Feiner, M. Ferschl

Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

S-512 CASE SERIES: AIRWAY MANAGEMENT OF PATIENTS WITH RETINOBLASTOMA CAUSED BY CHROMOSOME 13Q DELETION

E. Zininberg¹, D. Abramson², A. Afonso³

¹Anesthesiology, Weill Cornell - New York Presbyterian, New York, NY, ²Ophthalmology, Memorial Sloan Kettering Cancer Center, New York, NY, ³Anesthesiology, Memorial Sloan Kettering Cancer Center, New York, NY.

S-513 DEXMEDETOMIDINE ATTENUATES APOPTOSIS INDUCED BY KETAMINE EXPOSURE IN FETAL RATS

Y. Lin, J. Li, M. Xiong, J. D. Eloy, V. Le, J. H. Ye, A. Bekker

Anesthesiology, Rutgers – New Jersey Medical School, Newark, New Jersey

Critical Care 2

Abstracts in Poster Discussion Round: S-419 – S-422

12:00 pm – 1:30 pm Monitor 4

RES03-22

Poster Moderator: G. Wagener, MD, College of Physicians and Surgeons of Columbia University, New York, New York

S-419 THE BEST HEAD ANGLE FOR CENTRAL LINE PLACEMENT: A NEW APPROACH

T. Jan, V. DeAngelis, J. T. Denny, D. Chyu, A. Solina

Anesthesiology, Rutgers Robert Wood Johnson Medical School, New Brunswick, New Jersey

S-420 THE NOVEL USE OF VOLATILE ORGANIC COMPOUNDS TO DETECT ONSET OF PULMONARY OXYGEN TOXICITY IN YORKSHIRE SWINE

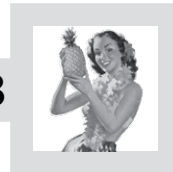
W. A. Cronin

Anesthesia, Walter Reed National Military Medical Command, Bethesda, Maryland

S-421 DAILY LOWEST HEMOGLOBIN PREDICTS RESPIRATORY DYSFUNCTION IN CRITICALLY ILL PATIENTS

S. Hemauer¹, A. Kingeter¹, X. Han², M. S. Shotwell², P. Pandharipande¹, L. M. Weavind¹

¹Anesthesiology, Vanderbilt University Medical Center, Nashville, Tennessee, ²Biostatistics, Vanderbilt University, Nashville, Tennessee



Resident ePosters

RES03-22, continued

S-422 TETRAHYDROBIOPTERIN IMPROVES CAPILLARY PERFUSION AND DECREASES LEUKOCYTE ADHESION WITHIN THE INTESTINAL MICROCIRCULATION IN EXPERIMENTAL SEPTIC SHOCK IN THE RAT

T. C. Dumbarton¹, N. Farah², A. Maxan², J. Zhou², J. Nantais³, N. Shawari², C. Lehmann¹

¹Anesthesiology, Perioperative Medicine and Pain Management, Dalhousie University, Halifax, Nova Scotia, Canada, ²Pharmacology, Dalhousie University, Halifax, Nova Scotia, Canada, ³General Surgery, Dalhousie University, Halifax, Nova Scotia, Canada.

Medically Challenging Case Reports 8
Abstracts in Poster Discussion Round: S-477 – S-481
12:00 pm – 1:30 pm Monitor 5

RES03-23

Poster Moderator: C. Ing, MD, Columbia University, New York, New York

S-477 DO NOT BLAME ANESTHESIOLOGY: POSTPARTUM HEADACHE IS NOT ALWAYS POST-DURAL PUNCTURE HEADACHE!

K. M. von Kriegenbergh¹, S. Chaudhuri², K. Chaudhuri²

¹Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas, ²Anesthesiology, Texas Tech University Health Sciences Center, Lubbock, Texas

S-478 SUSTAINED INCREASE IN BISPECTRAL INDEX DURING EPISODES OF SPONTANEOUS REENTRY TACHYCARDIA IN A PATIENT WITH WOLFF-PARKINSON-WHITE SYNDROME

D. Hanidziar¹, P. Ramaswamy²

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S-479 METHEMOGLOBINEMIA DURING AMBULATORY SURGERY

D. McGovern, S. Afifi

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S-480 MIND THE GAP - MULTIFACETED AIRWAY MANAGEMENT IN TRACHEOESOPHAGEAL FISTULA REPAIR

G. Mickus, A. Martin

Anesthesiology, Mayo Clinic Florida, Jacksonville, Florida

S-481 PULMONARY HYPERTENSION, CARDIAC TAMPONADE AND ON CALL – THE TRIPLE THREAT

E. Tayler, M. Ingoglia

Anesthesiology, Albany Medical Center, Albany, New York

Perioperative Anesthesia 2
Abstracts in Poster Discussion Round: S-519 – S-523
12:00 pm – 1:30 pm Monitor 6

RES03-24

Poster Moderator: S. Chaudhuri, MD, PhD, Texas Tech University Health Sciences Center, Lubbock, Texas

S-519 EFFECTS OF INTRAOPERATIVE ESMOLOL INFUSION ON POSTOPERATIVE PAIN

A. Gelineau, M. R. King, K. S. Ladha, T. A. Anderson

Anesthesia, Massachusetts General Hospital, Boston, Massachusetts

S-520 PREOPERATIVE DEXTROMETHORPHAN AS AN ADJUNCT FOR POST-OPERATIVE PAIN IN ADULTS: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

M. R. King, A. Gelineau, K. S. Ladha, T. A. Anderson

Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital, Boston, Massachusetts

S-521 SELF-REPORTED EXERCISE TOLERANCE AND PERIOPERATIVE MORBIDITY IN PULMONARY HYPERTENSION

A. C. Shah¹, A. Rooke¹, K. Ma², G. A. Van Norman¹

¹Anesthesiology and Pain Medicine, University of Washington, Seattle, Washington, ²Surgical Outcomes Research Center, University of Washington, Seattle, Washington

S-522 HEMODYNAMIC IMPLICATIONS OF CARDIAC AUTONOMIC STATUS DURING ANESTHESIA INDUCTION IN PATIENTS WITH AND WITHOUT OBESITY

K. Anand¹, S. Ikramuddin², D. Walk³, M. Konia¹, E. Cingi¹, K. Sundarbose¹, I. Apostolidou¹

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S-523 ENHANCED RECOVERY AFTER SURGERY: IMPLEMENTATION AND PRELIMINARY OUTCOMES FOR COLORECTAL SURGERY AT A TERTIARY CARE CENTER

C. W. Shavit, J. Cheah, L. Chen

Department of Anesthesia and Perioperative Care, University of California, San Francisco, San Francisco, California

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