



IARS

International Anesthesia Research Society

82nd Clinical & Scientific Congress

March 29 – April 1, 2008

Hyatt Regency San Francisco

5 Embarcadero Center

San Francisco, California



Final Program

IARS Clinical & Scientific Congress – Hyatt Regency San Francisco – Scientific Meeting Schedule

COLOR KEY

- Posters and Workshops
- Special Sessions
- International Science Symposium

	Grand Foyer	Grand Ballroom A	Bayview Room	Grand Ballroom B	Grand Ballroom C	Sea Cliff Room	Pacific Concourse
	Registration Desk	Review Course Lectures	Moderated Poster Discussion Rounds	Meet the Experts	Meet the Experts	Workshops	Scientific & Technical Exhibits
S M a a t r u c r h d a 2 y 9	7:00-4:30	Registration*	8:00-4:30 Posters				7:30-8:00 Cont. Breakfast
	8:00-9:30	Coffee Break/Exhibits	See Pages 14 & 15 for listing	7:30 a.m. - 4:30 p.m. IARS International Science Symposium 2008	ASRA - Acute Postop Pain	Simulation - Harrison 8-11	
	9:30-10:15						Coffee Break
	10:15-11:45	Lunch/Exhibits	See Pages 15, 16 & 17 for listing		APSF - Stents		
	11:45-1:00				ISAP - New Frontiers		Lunch; 1:00 Exh. Close
	1:00-2:30	Soda Break	See Pages 17 & 18 for listing			Advanced Ultrasound - Chan 1:00-5 pm	
	2:30-3:00				SOAP - Optimizing Post Cesarean Delivery Analgesia		
	3:00-4:30			See Page 19 for listing			
	5:00 - 6:30	Resident's Cracker Barrel Session (Regency Room)					Exhibit receptors 6:00 pm IARS Welcome Reception 6-8 pm
	7:30-4:30	Registration*		8:00-4:30 Poster			7:30-8:00 Cont. Breakfast
M S a u r n c d h a y 3 0	8:00-9:30		See Pages 25 & 26 for listing	Meet the Experts-Horlocker/Wedel	Publication Roulette - Schwinn	Airway - Walsh 8-11 am	
	9:30-10:15	Coffee Break/Exhibits					Coffee break
	10:15-11:45	Lunch/Exhibits	See Pages 27 & 28 for listing	Meet the Experts - McLamney	SAMBA - Controversies in Ambulatory Anesthesia	TEE Basics - Whiteley/Sniecinski/Chahlan 10:15 - 11:45	
	11:45-1:00						Lunch; 1:00 Exh. Close
	1:00-2:30				ASCCA - Intraoperative Ventilator Management: What to Do and How to Do It		
	2:30-3:00	Soda Break			Innovation and Teaching Panel Ramsay	Vascular access - Sandhu 3 - 5 pm	
	3:00-4:30			See Pages 29 & 30 for listing			
	7:30-4:30	Registration*		8:00-4:30 Posters			7:30-8:00 Cont. Breakfast
	8:00-9:30	Coffee Break/Exhibits	See Pages 37 & 38 for listing	Meet the Experts - Csete	SCA - Update on CPB	Nerve Block Workshop - Rosenberg 8 - 11 am	
	9:30-10:15						Coffee break
M M o r n c d h a y 3 1	10:15-11:45	Lunch on Own	See Pages 38, 39 & 40 for listing	Meet the Experts - Sican/Fine/von Gunten	SPA - Peds Anes Update		
	11:45-1:00				Anesthesia Myths - Priebe	Nerve Block Workshop - Rosenberg 2 - 5 pm	12:00 Exh. Close
	1:00-2:30		See Pages 40 & 41 for listing	Meet the Experts - Enneking/Hebl			
	2:30-3:00	Soda Break			ABA - Kapur	Kosaka Session-Gelb 1:00-2:30 Regency Room	
	3:00-4:30		See Pages 42 & 43 for listing				
	3:30-5:00		BEST OF THE MEETING - Regency Room				
	7:30-11:00	Registration*		7:30-8:00 Cont. Breakfast			
	8:00-9:30		8:00 - R23 Russell			Perioperative Applications of Echo - Ramsey	
	10:00-11:30						



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March 28, 2008

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Executive Director

Dear Colleague:

Welcome to San Francisco and the IARS 82nd Clinical and Scientific Congress. We appreciate your taking time away from your teaching, research, and practice to join us for this superior educational opportunity. Our Program Committee, led by Co-Chairs Dr. Denise Wedel and Dr. John Butterworth, has put together a superb program. Highlights include:

- The T.H. Seldon Memorial Lecture, Sunday at 1:00PM in Grand Ballroom A – Dr. Jonathan Moss, Professor and Vice Chairman of Anesthesia and Critical Care, University of Chicago Medical Center. The title of Dr. Moss' lecture is "Development of Peripheral Opiate Antagonists: Morphine's Secrets Revealed."
- New for 2008 – "Meet the Experts" – an opportunity to engage with leading experts on issues of current interest in the field of anesthesiology, Saturday through Monday in Grand Ballroom B.
- Two dozen Review Course Lectures, presented Saturday through Tuesday in Grand Ballroom A on topics ranging from clinical processes to patient safety.
- Panels providing an opportunity to interact with leading anesthesia educators and investigators, will be presented Saturday through Tuesday in Grand Ballrooms B and C. Special thanks to several *Anesthesia & Analgesia* affiliate societies for presenting panels.
- Workshops providing hands-on learning experiences on topics ranging from airway management to simulation will be held in the Sea Cliff room on Saturday through Monday.
- Dozens of scientific abstracts with the latest in anesthesiology research in Moderated Poster Discussion Rounds will be presented in the Bayview Room throughout the Congress.
- The Kosaka Abstract Session, Monday at 1:00PM – First offered in 2006, the Kosaka Session promotes interaction between Japanese anesthesiology researchers and their colleagues throughout the world. The Kosaka Award will be presented at this session.

Of special interest this year is the IARS International Science Symposium 2008. Held on Saturday in Grand Ballroom B, this Symposium brings together leading experts in genomics, bioengineering, and anesthesia research for a day long discussion about cutting edge science and how it affects the anesthesiology specialty. The Symposium includes four plenary speakers, followed by interactive sessions designed to engage the anesthesiology community to take the next step in leading science in these areas.

- Arnold Kriegstein, MD PhD, Director, UCSF Institute for Regenerative Medicine, "Neural Stem Cells in Brain Development and Therapeutics"
- Ronald Davis, PhD, Director, Stanford Genome Technology Center, "New Genomic Technology for Clinical Medicine"
- Karl Deisseroth, MD PhD, Department of Bioengineering, Stanford University, "Optogenetics Development and Application: Multimodal Fast Optical Interrogation of Neural Circuitry"
- Alison Cole, PhD, Program Director for Anesthesiology Initiatives and Deputy Director for Research Training, NIGMS, "Nuts and Bolts of How the NIH Works, NIH Grant Mechanisms and Upcoming RFAs"

The 82nd IARS Congress offers much more than these highlights. Please review this program carefully to familiarize yourself with all of the opportunities available to you over the next four days. We hope that you will enjoy and take advantage of the educational sessions and the unique opportunity to interact and share ideas with the world's leading anesthesia faculty.

Sincerely,

Chair, IARS Board of Trustees

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IARS

82nd Clinical and Scientific Congress

HIGHLIGHTS

→ T.H. Seldon Memorial Lecture
“Development of Peripheral Opiate Antagonists: Morphine’s Secrets Revealed”
 Jonathan Moss, MD
 Professor and Vice Chairman of Anesthesia & Critical Care
 University of Chicago Medical Center
 Sunday, March 30, 2008 • 1-2:30 p.m.
 Grand Ballroom A
 See page 3 for details.

→ IARS International Science Symposium 2008
 Saturday, March 29, 2008
 7:30 a.m. - 4:30 p.m. • Grand Ballroom B
 See page 8 & 9 for details.

→ NEW FOR 2008!
 “Meet the Experts”
 Saturday, Sunday, and Monday, March 29-30-31
 Grand Ballroom B
 See pages 10, 21 & 32 for details.

Program Committee

Co-Chairs

John F. Butterworth, MD
 Indiana University School of Medicine
 Indianapolis, IN

Denise J. Wedel, MD
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International Science Symposium Planning Committee

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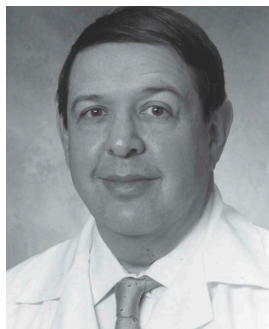
T.H. Seldon Memorial Lecture

"Development of Peripheral Opiate Antagonists: Morphine's Secrets Revealed"

JONATHAN MOSS, MD

Professor and Vice Chairman of Anesthesia & Critical Care
University of Chicago Medical Center

Disclosure: Progenics Pharmaceuticals



SUN., MARCH 30, 2008

1-2:30 PM • Grand Ballroom A

After an undergraduate education at Harvard, Dr. Moss received his Ph.D. (Physiology and Pharmacology) and his M.D. from Duke University. He subsequently trained at the NIH under Nobel Laureate

Julius Axelrod and Prof I. J. Kopin, and completed a residency in anesthesiology at Massachusetts General Hospital (Harvard). In 1985, after 10 years on the faculty at Harvard, Dr. Moss was appointed professor at the University of Chicago. He has published more than 100 articles and 40 textbook chapters, predominantly in the area of the pharmacology of anesthetic drugs. He writes the chapter "Autonomic Pharmacology" in Miller's Anesthesia, a well-known standard text in the field, and has given the national refresher course lecture to the American Society of Anesthesiologists (ASA) on adverse reactions to anesthetics five times and on peripheral opiate antagonists five times. Dr. Moss has been a visiting professor at 50 major universities worldwide in the past two decades, including an appointment as Distinguished Visiting Professor in Anatomy and Developmental Biology at the University College London, where he studied smooth muscle pharmacology with Professor Geoffrey Burnstock. Professor Moss was honored as the convocation speaker at the University of Chicago in 2005. Professor Moss has served as consultant to several drug companies that have introduced new anesthetics, including opiates and muscle relaxants. His area of expertise involves adverse reactions to anesthetic drugs and adjuvants in the perioperative period.^{1,2} He has

published extensively on the effects of anesthetic drugs and agents on smooth muscle (vascular, ureteral and enteric) and on the effect of sex hormones on the cerebral and coronary vessels. His most recent works include a study of the influence of dietary glycoalkaloids on cholinesterase function,³ studies of herbal medications in the perioperative period,^{4,5} and the development of methylnaltrexone (MNTX) [a quaternary peripheral opiate antagonist that relieves the side effects of opiates while preserving analgesia].^{6,7,8,9} Methylnaltrexone has been licensed to a pharmaceutical company and is in late stage development for the treatment of opiate induced constipation in palliative care patients.

Selected Bibliography

1. Renz C, Laroche D, Thurn J, Finn H, Lynch J, Thisted R, Moss J: Tryptase levels are not increased during vancomycin-induced anaphylactoid reactions. *Anesthesiology*, 89:620-5, 1998
2. Moss J: Allergic to anesthetics. *Anesthesiology* 99:521-523, 2003
3. McGehee DS, Krasowski MD, Fung DL, Wilson B, Gronert GA, Moss J: Cholinesterase inhibition by potato glycoalkaloids slows mivacurium metabolism. *Anesthesiology* 93:510-519, 2000
4. Ang-Lee, Michael, Moss J, Yuan, C-S: Herbal medicines and perioperative care. *JAMA* 286: 208-216, 2001
5. Yuan C-S, Wei G, Dey L, Karrison T, Nahlik L, Maleckar S, Kasza K, Ang-Lee M, Moss J: American ginseng reduces warfarin's effect in healthy subjects: A randomized controlled trial. *Ann Int Med* 141:23-27, 2004
6. Yuan CS, Foss JF, O'Connor M, Osinski J, Karrison T, Moss J, Roizen MF: Methylnaltrexone reverses chronic opioid-induced constipation: a randomized, controlled trial. *JAMA* 283:367-72, 2000.
7. Ho W-Z, Guo C-J, Yuan C-S, Douglas SD, Moss J: Methylnaltrexone antagonizes opioid-mediated enhancement of HIV infection of human blood mononuclear phagocytes. *Journal of Pharmacology and Experimental Therapeutics* 307:1158-1162, 2003.
8. Moss J and Foss J: Pain relief without side effects: Peripheral opiate antagonists. In: *ASA Refresher Courses in Anesthesiology*, Schwartz AJ (Ed): Lippincott Williams & Wilkins, Philadelphia, PA, Vol. 33, 2005, pp. 175-186 (in press)
9. P.A. Singleton, M.W. Lingen, M.J. Fekete, J.G.N. Garcia, J. Moss: Methylnaltrexone inhibits opiate and VEGF-induced angiogenesis: Role of receptor transactivation. Article- *Microvascular Research*, Volume 72, Issues 1-2, July-September 2006, Pages 3-11
10. Moss, Jonathan M.D., Ph.D.; Yuan, Chun-Su M.D., Ph.D.: Herbal Medicines and Perioperative Care; Editorial Views- *Anesthesiology*. 105(3):441-442, September 2006.

IARS Future Congress Dates

→ March 13-17, 2009

IARS 83rd Congress

Manchester Grand Hyatt

San Diego, California

→ March 26-30, 2010

IARS 84th Congress

Hilton Hawaiian Village

Honolulu, Hawaii

GENERAL INFORMATION

REGISTRATION HOURS:

Friday, March 28	1:00 – 7:00 PM
Saturday, March 29	7:00 AM – 4:30 PM
Sunday, March 30	7:30 AM – 4:30 PM
Monday, March 31	7:30 AM – 4:30 PM
Tuesday, April 1	7:30 – 11:00 AM

ON-SITE REGISTRATION FEES:

IARS Members	*\$550
IARS Joint Resident Members	\$75
IARS Joint Resident-Educational Members.....	**\$150
Non-Members.....	\$725
Non-Member Residents/Educational.....	\$150

* New IARS Members – add dues payment of \$140 for one-year Membership/Subscription.

** New Joint Resident/Educational Members – includes dues payment of \$75 for one-year Membership/Subscription.

The IARS accepts payments using American Express, Discover, MasterCard and Visa.

The registration fee shown above includes Review Course Lectures, Panels, Poster Discussion Rounds, The International Science Symposium, meeting materials, continental breakfast, coffee breaks, reception and lunch on Saturday and Sunday. There is a non-refundable \$50.00 registration fee to attend each workshop.

No Registration Fee for spouses of registrants, unless attending the meeting for professional credit.

Technical & Scientific/Educational Exhibits will be on the Pacific Concourse.

Exhibit Hours and Activities:

Saturday, March 29, 2008

7:30 a.m. – 1:00 p.m.	Exhibit Hours
7:30 – 8:00 a.m.	Continental Breakfast
9:30 – 10:15 a.m.	Coffee Break
11:45 a.m. – 1:00 p.m.	Lunch Break
1:00 p.m.	Hall Closes
6:00 – 8:00 p.m.	Welcome Reception

Sunday, March 30

7:30 a.m. – 1:00 p.m.	Exhibit Hours
7:30 – 8:00 a.m.	Continental Breakfast
9:30 – 10:15 a.m.	Coffee Break
11:45 a.m. – 1:00 p.m.	Lunch Break
1:00 p.m.	Hall Closes

Monday, March 31

7:30 a.m. – 12:00 p.m.	Exhibit Hours
7:30 – 8:00 a.m.	Continental Breakfast
9:30 – 10:15 a.m.	Coffee Break
12:00 Noon	Hall Closes

Tuesday, April 1 – No Exhibits

Breakfast and break will be held on the Pacific Concourse.

7:30 – 8:00 a.m.	Continental Breakfast
9:30 – 10:00 a.m.	Coffee Break

Please note that for safety precautions, strollers and children under the age of 15 will not be permitted in the Exhibit Hall.

Meeting Badge required for admittance to all meeting rooms and exhibits.

Special Needs: If you have a disability and require specific accommodations in order to fully participate in the IARS Congress, please contact the IARS staff to discuss your specific needs.

No Smoking: Smoking is not permitted in any meeting room, registration area, exhibit hall, or any area where the IARS-sponsored activities are scheduled.

Cyber Café/Email: As a service to Congress Registrants, IARS is providing a complimentary Cyber Café in the Registration Foyer where email messages may be sent and retrieved via the Internet. Please limit your access time to 10 minutes.

IARS 83rd Congress: Make plans to attend the IARS 83rd Clinical and Scientific Congress, March 13-17, 2009, at the Manchester Grand Hyatt, San Diego, California. The abstract submission site will be available in August with a submission deadline date in November 2008.

Online CME Evaluation: IARS will provide online CME session tracking and online evaluations via the Internet. The site location will be provided at the meeting along with assistance if needed. No paper submissions will be accepted. You may print your CME certificate online from your office when you return from the meeting. Enter your ABA ID number to have your CME credits automatically forwarded to the ABA for the Maintenance of Certification in Anesthesiology Program® (MOCA®).

IARS International Science Symposium will be held on Saturday, 7:30 a.m. – 4:30 p.m. in Grand Ballroom B.

Continuing Education Credit

AMA: The International Anesthesia Research Society is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The IARS certifies that the 82nd Clinical and Scientific Congress meets the criteria for 27.5 AMA PRA Category 1 credit(s)TM.

ANCC: CRNAs must secure post-meeting approval from the AANA. Appropriate forms will be available at the meeting.

No paper submission will be accepted. CME certificates may be printed on line from your office when you return from the IARS Congress.

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education.

Review Course Lectures will be presented Saturday through Tuesday in Grand Ballroom A. A flash drive that includes abstracts of the lectures will be in the meeting portfolio. Abstracts of the Review Course Lectures will also be published on line as a supplement to the May 2008 issue of *ANESTHESIA & ANALGESIA*.

Panels on a wide variety of topics will be held Saturday through Tuesday in Ballroom C. **There will be no reserved tickets or pre-registration for Panels. Please note that Panels will have limited attendance and are available on a first-come, first-served basis.**

Workshops will be held Saturday through Monday in the Sea Cliff Rooms. See the daily meeting schedule on the inside cover for Workshop titles, days, times and rooms. Participation in the Workshops is limited and available on a first-come, first-served basis. **There is a non-refundable \$50.00 registration fee to attend each workshop.** Check at the registration desk for workshop ticket availability.

Moderated Poster Discussion Rounds: Moderators selected for their experience and expertise will conduct rounds by abstract category and briefly discuss the abstracts in the Bayview Room. Abstract Presenters are listed in bold in this Program.

The Best of Section Abstracts are noted with ** preceding the supplement number on the day they are presented.

The Best of Meeting Abstracts nominees are noted in blue on the day the abstract is presented. A complete listing is on page 34. Presentation is in the Regency room on Monday, March 31, 2008, from 3:30-5:00 p.m.

The Kosaka Session Abstracts are noted with *** preceding the supplement number on the day they are presented. Presentations are in the Regency Room on Monday, March 31, 2008, 1:00-2:30 p.m.

Abstract Supplement: The Abstracts supplement is available on a Flash drive included in the meeting portfolio and is also available online at www.iars.org/abstracts. Abstracts are indexed, searchable and available as a .pdf file.

Faculty Disclosure: Invited speakers listed in this Final Program with an asterisk (*) printed next to their name have voluntarily disclosed potential conflicts of interest. If Abstract Presenter disclosure information was acknowledged, details are noted on the page of the specific abstract.

IARS Mission Statement

The goal of the IARS CME activities is to disseminate current, state-of-the-art basic and clinical research data, as well as the newest advances in all areas of clinical anesthesia care, including perioperative medicine, critical care, and pain management. In addition, the IARS mission is to encourage, stimulate, and fund ongoing anesthesia-related research and projects that will enhance and advance the specialty.

The target audience is comprised of individuals worldwide who are engaged in all aspects of anesthesiology: physicians in clinical practice of anesthesia; physicians in academia; physicians or PhD's engaged in research; physician residents in training programs; individuals in the allied health professions.

To fulfill the stated mission the Society publishes a monthly scientific journal, *Anesthesia & Analgesia*; sponsors an annual clinical and scientific congress; funds anesthesia-related research; and sponsors the Global Perioperative Research Organization (GPRO).

The expected outcome of the IARS CME program is more knowledgeable and informed participants, provided with current knowledge in clinical care and research, applicable to their clinical practice.



IARS

Teaching Award — 2008 Competition

**Submit your application for the
IARS 2008 Anesthesiology Teaching Recognition Awards
Application Deadline: June 6, 2008**

**The IARS Teaching Recognition Award was established
to recognize individuals with outstanding teaching skills.**

The IARS is pleased to present two Teaching Recognition Awards for 2009. The IARS Teaching Recognition Award for **Achievement in Education** is designed to recognize outstanding career contributions by senior faculty. The IARS Teaching Recognition Award for **Innovation in Education** is designed to recognize extraordinary educational programs devised by junior or middle level faculty.

Each award includes the following items:

- \$5,000 to the recipient,
- \$10,000 grant to the recipient's institution to be used for education in anesthesia,
- FREE one-year IARS Membership to all residents of the winning applicant's department,
- Public recognition at the IARS 83rd Clinical and Scientific Congress Awards ceremony in San Diego, California, March 2009.

The IARS will announce the recipients of the award in the
October 2008 issue of *ANESTHESIA & ANALGESIA*.

For consideration, submit the following items, along with your application for teaching recognition in achievement or innovation:

- Official four-page Teaching Portfolio;
- Five letters of recommendation from one of each of the following certifying the applicant's outstanding skills as a clinical teacher, lecturer and role model:
 - 1) Applicant's Chairperson; 2) Fellow; 3) Resident (two letters may be provided by Residents if no Fellow contact); 4) Medical Student; 5) External Referee (outside candidate's department – may be from same or different institution).

To qualify, applicants must be a member of the IARS and have at least three years of faculty experience.

One application per academic department will be considered.

The award application, rules, and guidelines, and IARS membership information are available online at www.iars.org/awards/teach.asp or you may contact the IARS office to request copies.

Stop by the Teaching Recognition Booth in the exhibit hall to see the Teaching Portfolios of the 2007 and 2006 Award recipients and honorable mentions.



IARS

Clinical Scholar Research Award – 2009 Competition

The IARS invites applications for the 2009 Clinical Scholar Research Award

Applications for up to five \$80,000 awards are invited for the 2009 Clinical Scholar Research Award, subject to the following conditions:

- The applicant must be a member of IARS and an established investigator with research experience, but who has yet to establish a history of substantial funding and be less than ten years after completion of clinical training or PhD
- Applications are for investigations in human subjects
- Applications must include approval of the Institution Review Board and patient informed consent form (if required)
- Applications must not overlap concurrently funded projects
- Prior recipients of an IARS Clinical Scholar Research Award are not eligible to apply
- Previous or current recipients of NIH R0-1 grants, or the equivalent, will not be eligible to apply (exceptions to this rule are possible for individuals who have not previously received funding for clinical research)
- Applicants must identify a senior mentor at their institution whose participation is important for the success of the study

The 2009 Award recipients will be notified in October 2008. Award funds are usually paid in two equal, annual installments, with the first payment made January 2009. The official application form must be used. The award application, rules, and guidelines, and IARS membership information are available online at www.iars.org/awards/clinicals.asp or you may contact the IARS office to request copies.

The IARS will announce the recipients of the awards
in a future issue of *ANESTHESIA & ANALGESIA*.

SATURDAY, MARCH 29

IARS INTERNATIONAL SCIENCE SYMPOSIUM 2008
7:30 – 4:30 • GRAND BALLROOM B

All Congress registrants are welcome to attend the International Science Symposium.

Plenary Sessions

Arnold Kriegstein, MD PhD,
Director, UCSF Institute for
Regenerative Medicine - “Neural
Stem Cells in Brain Development
and Therapeutics”

Ronald Davis, PhD, Director,
Stanford Genome Technology
Center – “New Genomic Technology
for Clinical Medicine”

Karl Deisseroth, MD PhD,
Department of
Bioengineering, Stanford University
– “Optogenetics Development
and Application: Multimodal Fast
Optical Interrogation of Neural
Circuitry”

Alison Cole, PhD, Program Director
for Anesthesiology Initiatives and
Deputy Director for Research
Training, NIGMS – “Nuts and Bolts
of How the NIH Works, NIH Grant
Mechanisms and Upcoming RFAs”

Discussion Sessions

“Stem Cell Biology and
Perioperative Medicine” – led by
Marie Csete, MD PhD and Philip
Bickler, MD PhD

“Genomics and Perioperative
Questions” – led by Simon Body,
MD and Dan Berkowitz, MD

“Tips on Getting Funded and
Having a Successful Academic
Career: A Fireside Chat for
Trainees” – led by
Alison Cole, PhD
Assistant Professor of
Bioengineering and Psychiatry and
Behavioral Sciences
National Institute of General
Medical Sciences

Luncheon Discussion Groups

An opportunity to explore the top
problems that need to be solved
through research in anesthesia with
the leading experts in anesthesia
research – led by:

Dan Berkowitz, MD
Johns Hopkins University School of
Medicine

Simon Body, MD
Brigham and Women’s Hospital
Harvard Medical School

Emery Brown, MD PhD
Massachusetts General Hospital
Harvard Medical School

Alex Evers, MD
Washington University School of
Medicine

Philip G. Morgan, MD
Case Western Reserve University
School of Medicine

Steve Shafer, MD
Columbia University Medical
Center

Jeanine Wiener-Kronish, MD
Massachusetts General Hospital
Harvard Medical School

The IARS International Science Symposium brings together leading experts in genomics, bioengineering, and anesthesia research for a full day session. This Symposium provides a unique opportunity to interact and explore current research problems with the experts in the field.

Learner Objectives:

- 1) Review latest in stem cell biology, genome science, and bioengineering research in medicine today;
- 2) Network with individuals across US and international departments to begin creating collaborative anesthesiology groups performing cutting edge science;
- 3) Identify 2-3 key questions in perioperative medicine rivaling in importance breast cancer or Alzheimer’s disease;
- 4) Identify key steps for fellows and junior faculty to work toward appropriate NIH funding venues

7:30 – 8:00**Light breakfast****8:00 – 9:00****Plenary speaker #1
Stem Cell Biology**

Arnold R. Kriegstein, MD, PhD
Director, UCSF Institute for Regenerative Medicine
San Francisco, CA

9:00 – 9:45

Group discussion
Stem Cell Biology and Perioperative Medicine – Possible
Collaborations

Marie Csete, MD, PhD
Chief Scientific Officer
California Institute of Regenerative Medicine • San Francisco, CA

Philip Bickler, MD, PhD

Professor
Department of Anesthesia and Perioperative Care
University of California, San Francisco • San Francisco, CA

9:45 – 10:00**Coffee break****10:00 – 11:00****Plenary speaker #2 (genomics)**

Ronald Davis, PhD
Professor of Biochemistry and Professor of Genetics
Stanford University • Stanford, CA

11:00 – 11:45**Group discussion
Genomics and Perioperative Questions and Possible
Collaborations**

Simon Body, MD, MPH
Department of Anesthesiology
Brigham and Women's Hospital • Boston, MA

Dan Berkowitz, MD
Department of Anesthesiology and
Critical Care Medicine
Johns Hopkins Medicine • Baltimore, MD

12:00 – 1:30**Lunch Discussion Groups (10 per group)**

Topic: 1st 45 min to discuss answers to the following question
in small groups: What are the top 3 problems our specialty has
to solve – equivalent to breast cancer or Alzheimer's disease in
importance?

Topic: 2nd 45 min to come back together to share answers.

Discussion Group Leaders (each paired with a K08 or T32
awardee):

Dan Berkowitz, MD (Hopkins)

Simon Body, MD, MPH (Brigham & Womens, Harvard)

Emery Brown, MD, PhD (MGH, Harvard)

Alex Evers, MD (Washington University)

Philip G. Morgan, MD (Case Western Reserve University)

Steve Shafer, MD (Columbia University)

Janine Wiener-Kronish, MD (Mass General, Harvard)

1:30 – 2:30**Vision for the future of science****Optogenetics: The beam of light that flips a switch that
turns on the brain**

Karl Deisseroth, MD, PhD

Assistant Professor of Bioengineering and Psychiatry
& Behavioral Sciences
Stanford University • Stanford, CA

2:30 – 3:30**Nuts and Bolts of How the NIH works, NIH grant
mechanisms, upcoming RFAs**

Brief Intro:

Alex S. Evers, MD

Chairman of Anesthesiology

Washington University School of Medicine • St. Louis, MO

Talk by:

Alison Cole, PhD

Assistant Professor of Bioengineering and Psychiatry
& Behavioral Sciences

National Institute of General Medical Sciences
Bethesda, MD

3:30 – 4:30**Optional fireside chat for trainees with Alison Cole, PhD
“Tips on how to get funded and have a successful
academic career”****5:00 – 6:00****IARS Mentoring Session (1:1 pairings for K08, T32, and other
interested IARS attendees)**

7:30 – 1:00 EXHIBITS – PACIFIC CONCOURSE

7:30 – 8:00 CONTINENTAL BREAKFAST – PACIFIC CONCOURSE

**REVIEW COURSE LECTURES
GRAND BALLROOM A**

8:00 - 8:45 R01 **ANTIPLATELETS TO ANTICOAGULANTS: MAKING SENSE OF THE COAGULATION COCKTAILS**

Jerrold Levy, MD

Professor of Anesthesiology
Department of Anesthesiology
Emory University Hospital
Atlanta, GA

Disclosure:
Consultant - Bayer, Dyax, Organon, Novo Nordisk
Research Support: Medicines Company

Learner Objectives: 1) Summarize the pharmacologic therapies currently used that affect the coagulation system; 2) Review the role of peri-operatively acquired disorders of coagulation and implications for bleeding; 3) Identify patients undergoing surgery who are at risk for acquired coagulopathy; 4) Discuss pharmacologic strategies for decreasing post-operative bleeding, reducing transfusion coagulopathy, and reversing anticoagulation.

8:50 - 9:30 R02 **INFECTIONS AND THE ANESTHESIOLOGIST**

Jeanine Wiener-Kronish, MD

Henry Isaiah Dorr Professor of Research and Teaching in Anaesthetics and Anaesthesia
Department of Anesthesia and Critical Care
Anesthetist-in-Chief
Massachusetts General Hospital
Boston, MA

Learner Objectives: 1) Learn about rare but highly dangerous infections that reside in the airways-Avian influenza and MDR and XDR-TB; 2) Learn about common infections that can infect anesthesiologists, C.difficile and MRSA; 3) Learn about precautions that are necessary for rare and common infectious agents.

10:15 - 11:00 R03 **THE HIGHS AND LOWS OF THE CAUDWELL XTREME EVEREST SCIENTIFIC EXPEDITION 2007**

Michael (Monty) Mythen, MD

Smiths Medical Professor of Anaesthesia and Critical Care
University College London.
Head of The Portex Anaesthesia, Intensive Therapy and Respiratory Unit
UCL Institute of Child Health
London, UK

Learner Objectives: 1) Review of physiology of human adaptation to altitude; 2) Review of hypoxia in critical illness and possible lessons from human adaptation to high altitude; 3) Details of Caudwell Xtreme Everest 2007 – a field study of over 220 subjects on Mount Everest in 2007.

11:05 - 11:45 R04 **THE ROLE OF THE ANESTHESIOLOGIST IN FAST-TRACK SURGERY**

Henrik Kehlet, MD, PhD

Professor of Perioperative Therapy
Rigshospitalet, Copenhagen University, Section for Surgical Pathophysiology
Hvidovre University Hospital
Hvidovre, Denmark

Learner Objectives: 1) To understand the mechanisms of perioperative morbidity and convalescence; 2) To understand possibilities for multimodal pharmacological and organisational interventions to improve postoperative outcome; 3) To understand the concept of “fast-track surgery” and the results on postoperative outcome; 4) To understand the requirement for a multi-disciplinary collaboration to improve postoperative outcome.

**REVIEW COURSE LECTURES
GRAND BALLROOM A**

1:00 - 1:45 R05 **CONTROVERSY OF ANTIFIBRINOLYTIC AGENTS IN CARDIAC SURGERY**

Davy Cheng, MD, MSc, FRCPC, FCAHS

Professor & Chair
Department of Anesthesia & Perioperative Medicine
University of Western Ontario
London, Ontario, Canada
Disclosure:
Research Funding Novo-Nordisk Inc, Organon
Pharmaceuticals, Baxter Healthcare Corporation

Learner Objectives: 1) To review the evidence-based efficacy and safety of antifibrinolytic agents in cardiac surgery; 2) To discuss the meta-analysis data on head-to-head comparison of antifibrinolytic agents; 3) To appraise the current option for antifibrinolytic use in cardiac surgery.

1:50 - 2:30 R06 **MYOFASCIAL PAIN**

Michael Ferrante, MD

Professor of Clinical Anesthesiology and Medicine
UCLA Pain Management Center
David Geffen School of Medicine
Santa Monica, CA

Learner Objectives: The attendee will change his or her conceptualization of muscle pain in the neck and shoulders from an assessment of trigger point localization to alterations in biomechanical interrelationships of muscles.

3:00 - 3:45 R07 **MAKING QUALITY METRICS WORK FOR YOUR PATIENTS (AND YOU)**

Daniel Brown, MD, PhD

Assistant Professor of Anesthesiology
Mayo Clinic
Rochester, MN

Learner Objectives: 1) Review current entities involved in healthcare quality reporting; 2) Understand current quality metrics pertinent to the practice of anesthesiology and perioperative medicine; 3) Discuss how quality metrics are collected and reported.

3:50 - 4:30 R08 **ANESTHETIC MANAGEMENT OF PATIENTS WITH ACQUIRED HEART DISEASE UNDERGOING NON-CARDIAC SURGERY**

Michael Cahalan, MD

Professor and Chairman of the
Department of Anesthesiology
University of Utah Medical Center
Salt Lake City, UT

Learner Objectives: 1) To describe a physiologic approach to planning anesthetic management for patients with heart disease; 2) To demonstrate that the choice of anesthetic technique or dose is quite secondary provided appropriate hemodynamic goals and surgical requirements are attained; 3) To illustrate the use of this approach with three case examples.

**MEET THE EXPERTS
3:00 - 4:30
HOSPITALITY ROOM**

3:00 – 4:30 **EVERYTHING YOU WANTED TO ASK ABOUT RENAL PROTECTION – BUT WERE AFRAID TO ASK**

Robert N. Sladen, MD

Vice Chairman and Professor of Anesthesiology
Department of Anesthesiology
Columbia University
New York, NY

PANELS — GRAND BALLROOM C

8:00 - 9:30
PL01



ASRA - REGIONAL ANESTHESIA AND ANALGESIA FOR ACUTE POSTOPERATIVE PAIN CONTROL – STATE OF THE ART CARE AND QUESTIONS
Kayser Enneking, MD - Moderator

COMPLICATIONS OF REGIONAL ANESTHESIA AND ANALGESIA FOR ACUTE POSTOPERATIVE PAIN CONTROL - AVOIDANCE AND RECOGNITION

Terese T. Horlocker, MD
Professor of Anesthesiology
Department of Anesthesiology
Mayo Clinic
Rochester, MN

APPLICATIONS OF REGIONAL ANESTHESIA AND ANALGESIA TO ACUTE POSTOPERATIVE PAIN CONTROL

Vincent Chan, MD
Professor
Dept. of Anesthesiology
University of Toronto
Toronto, Ontario CA
Disclosure: SonoSite, GE, Philips, Janssen Ortho

WHAT DO WE KNOW AND WHAT DO WE NEED TO LEARN ABOUT ACUTE POSTOPERATIVE PAIN?

Spencer S. Liu, MD
Dept of Anesthesiology
Director of Acute Pain Service
Hospital for Special Surgery
Clinical Professor of Anesthesiology
Weill Cornell Medical Center
New York, NY

ARE OUTPATIENT CONTINUOUS INFUSIONS THE NEXT REAL FRONTIER?

Kayser Enneking, MD
Associate Professor and Chief
Dept of Anesthesiology
University of Florida College of Medicine
Gainesville, FL

Learner Objectives: 1) ASRA panel: Regional Anesthesia/Analgesia for Acute Postoperative Pain control: State of the Art Care and Questions:

Attendees of this panel session will be informed about the application of regional anesthesia/analgesia and its role in acute pain management. The associated outcome improvements and complications of these applications will be discussed. Future directions in the application of regional anesthesia /analgesia will also be reviewed.

2) IARS Review Course Lecture: Peripheral Nerve Blocks for Ambulatory Surgery:

Attendees of this lecture will be informed about the quality improvements that can be made by incorporating peripheral nerve blocks into their ambulatory practice. The appropriate patient selection and barriers to its use will also be discussed.

3) Meet the Expert Session: Peripheral Nerve Blockade: Single injection and Catheter techniques:

Attendees of this session will be provided information regarding the decision process of single shot versus continuous PNB. The case review format will also present information on the expected improvements in postoperative analgesia with the application of these techniques. Finally specific complications of these techniques will be reviewed.

PANELS — GRAND BALLROOM C

10:15 - 11:45



APSF - PERIOPERATIVE MANAGEMENT OF PATIENTS WITH CARDIAC STENTS
Richard C. Prielipp, MD, MBA, FCCM - Moderator

JJ Buckley Professor and Chair
Department of Anesthesiology
University of Minnesota
Minneapolis, MN

US AND EUROPEAN PEROPERATIVE EXPERIENCE: CLINICAL ISSUES AND COMPLICATIONS

Hans-Joachim Priebe, MD
Anästhesiologische Universitätsklinik
Albert-Ludwig Universität
Freiburg, Germany

ANTI-PLATELET THERAPY; CURRENT CONCEPTS; MANAGEMENT ISSUES; PROPOSED MANAGEMENT ALGORITHMS

Lisa T. Newsome, MD, DMD
Assistant Professor
Section on Cardiothoracic Anesthesiology
Department of Anesthesiology
Wake Forest University
Winston-Salem, NC

PATHOPHYSIOLOGY OF CORONARY RESPONSE TO STENTS

Diane Head, MD
Assistant Professor
Department of Anesthesiology
University of Wisconsin
Madison, WI

Learner Objectives:

- Be familiar with the development and history of coronary stents
- Understand the biology and indications for Bare-metal (BMS) and Drug-eluting (DES) stents
- Recognize the disruption and response of the coronary endothelium to stents
- Be aware of required anti-platelet therapy for both BMS and DES stents
- Understand the consequences and complications of premature discontinuation of anti-platelet therapy
- Know the risks of surgery in patients with recent coronary stent implantation
- Compare the US and European perioperative experience with stents
- Suggest optimal strategies and propose management algorithms for patients with stents having elective surgery
- Apply these concepts to management of a theoretical patient

PANELS — GRAND BALLROOM C

1:00 - 2:30



ISAP – NEW FRONTIERS IN ANESTHETIC PHARMACOLOGY
Tong J. Gan, MB, FRCA - Moderator

NEW ROLES OF LOCAL ANESTHETICS: POTENTIAL FOR DRUG DEVELOPMENT

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

WHAT'S NEW IN NEUROMUSCULAR BLOCKING AND REVERSAL AGENTS?

Tong Gan, MB, FRCA
 Professor and Vice Chair for Clinical Research
 Dept of Anesthesiology
 Duke University Medical Center
 Durham, NC

NOVEL ANALGESICS

Steven L. Shafer, MD
 Professor of Anesthesiology
 Department of Anesthesiology
 Columbia University Medical Center
 New York, NY

THE NEXT GENERATION OF HYPNOTICS: NEW PROPOFOL FORMULATIONS AND POSSIBLE PROPOFOL REPLACEMENTS

Talmage D. Egan, MD
 K.C. Wong Endowed Chair Professor of Anesthesiology
 University Hospital
 Salt Lake City, UT

Learner Objectives: The panel will discuss the pharmacology of novel agents of interests to the anesthesiologists, including new local anesthetics, analgesics, novel propofol formulations and new neuromuscular blocking drugs as well as its reversal.

PANELS — GRAND BALLROOM C

3:00 - 4:30

SOAP – OPTIMIZING POST CESAREAN DELIVERY ANALGESIA
Gurinder Vasdev, MD, FRCAnaes, FFARCSI
Moderator

Pamela Flood, MD
 Assistant Professor
 Dept of Anesthesiology
 Columbia University • New York, NY



Joy L. Hawkins, MD
 Director of Obstetric Anesthesia, Professor of Anesthesiology
 Department of Anesthesiology
 University of Colorado School of Medicine • Denver, CO

Cynthia A. Wong, MD
 Chief, Obstetrical Anesthesia
 Northwestern University Medical Center • Chicago, IL

Gurinder Vasdev, MD, FRCAnaes, FFARCSI
 Consultant Anesthesiologist
 Mayo Clinic College of Medicine • Rochester, MN

Brendan Carvalho, MB, BCH
 Assistant professor
 Department of Anesthesiology
 Stanford University School of Medicine • Stanford, CA

Learner Objectives: 1) Understand the mechanisms by which drugs work on the spinal cord and implications of genetic variation; 2) Describe the optimal analgesic techniques for post cesarean section pain relief; 3) Review new strategies in central neuraxial drug delivery; 4) Critically evaluate national guidelines for improved patient safety during and after Cesarean delivery.

3:00 – 4:30 **EVERYTHING YOU WANTED TO ASK ABOUT RENAL PROTECTION – BUT WERE AFRAID TO ASK**

Robert N. Sladen, MD
 Vice Chairman and Professor of Anesthesiology
 Department of Anesthesiology
 Columbia University
 New York, NY

MODERATED POSTER DISCUSSION ROUNDS • BAYVIEW ROOM
POSTERS DISPLAYED 8:00A – 4:30P

Discussion Time: 8:00–9:30	Page
Ambulatory	14
Equipment/Monitoring – 1	14
Cardiothoracic Vascular-Clinical – 1	15

Discussion Time: 10:15–11:45	Page
Equipment/Monitoring – 2	15
Neuroanesthesia	16
Education and Patient Safety – 1	16
Pharmacology-Clinical – 1	17

Discussion Time: 1:00–2:30	Page
Equipment/Monitoring – 3	17
Cardiothoracic and Vascular-Clinical – 3	18
Education and Patient Safety – 2	18

Discussion Time: 3:00–4:30	Page
Education and Patient Safety – 3	19
Cardiothoracic and Vascular-Clinical – 2	19

**SIMULATION
W01 – WORKSHOP
8:00 – 11:00 — SEA CLIFF ROOM**

T. Kyle Harrison, MD
Stanford University School of Medicine and Palo Alto VA
Health Care System
Palo Alto, CA

David M. Gaba, MD
Associate Dean for
Immersive and Simulation-based Learning
Professor of Anesthesia
Stanford University
VA Palo Alto HCSZ
Palo Alto, CA

Steve K. Howard, MD
Stanford University
Palo Alto, CA

Ruth Fanning, MD
Stanford University
San Francisco, CA

Learner Objectives: Participants will understand how simulation is used in medical education including for anesthesia board certification qualification.

Participants will be able to describe the basic principles of crisis resource management and learn how the participants can use these techniques in their own clinical practice.

Participants should be able to describe different forms of medical simulation used in health care.

**ADVANCED ULTRASOUND GUIDED NERVE BLOCK
W02 – WORKSHOP
1:00 - 5:00 – SEA CLIFF ROOM**

Please note that **Workshops** will have limited attendance and are available to registrants on a **first-come, first-served basis. There is a non-refundable \$50.00 registration fee to attend each workshop.**

W02 *Station #1 • Neuraxial and Psoas Compartment*
Vincent Chan, MD
Professor, Dept. of Anesthesiology
University of Toronto • Toronto, Ontario, Canada
Disclosure: SonoSite, GE, Philips, Janssen Ortho

Station #2 • Small Nerves
Thomas Grau, MD
University of Heidelberg • Heidelberg, Germany

Station #3 • Sciatic Nerve
Andrew T. Gray, MD,PHD
Professor
University of California, San Francisco • San Francisco, CA

*Station #4 • Cervical Thoracic and
Lumbar Paraverte – Oral Blocks*
Patrick Filip, MD
Virginia Mason • Seattle, WA

Steven R. Clendenen, MD
Mayo Clinic Jacksonville
Jacksonville, FL

Learner Objectives: Upon completion of this workshop, participants will be able to: 1) perform ultrasound imaging of small peripheral nerves, sciatic nerve, paravertebral space and neuraxial space; 2) recognize appropriate clinical indications and alternatives for ultrasound guided blocks in the described regions; 3) understand appropriate block approaches in the described regions; 4) understand how ultrasound techniques differ from conventional approaches; 5) select appropriate equipment and medication choices and doses.

**RESIDENT'S "CRACKER BARRELL" SESSION
5:00 - 6:30
REGENCY ROOM**

The Resident Cracker Barrel is an informal panel presentation designed to help resident-physicians with issues and concepts they may not be exposed to during residency training.

5:00 - 6:30 **James R. Hebl, MD - Moderator**
Mayo Clinic
Department of Anesthesiology • Rochester, MN

**BOARD EXAMINATION
PEARLS AND PITFALLS OF THE ORAL BOARDS**
Patrica A. Kapur, MD
Professor and Chair
University of California
Los Angeles School of Medicine
Department of Anesthesiology • Los Angeles, CA

**THE ABC'S OF RESIDENCY: APPLICATIONS,
BOARDS, AND CONTRACTS" APPLYING FOR
A JOB – INTERVIEW AND APPLICATION CAVEATS**
Mark A. Singleton, MD
Group Anesthesia • Los Gatos, CA

Peter G. Moore, MD, PhD
Lawrence J. Ellison Ambulatory Care Center
Sacramento, CA

**CONTRACT NEGOTIATIONS – WHAT TO LOOK FOR
IN A JOB CONTRACT (AND WHAT TO AVOID)!**
Phillip J. Goldberg, JD
Hassard Bonnington LLP • San Francisco, CA

Ambulatory

Abstracts in Poster Discussion Round: S-1 – S-7
Presenters in attendance 8:00 – 9:30

PR01-1

Poster Moderators:

Istvan Batai, MD, University of Pecs, Pecs, Hungary
Daniel R. Bustamante, MD, UTMCK, Knoxville, TN

Learner Objectives: To understand selected advances in the medical care of patients undergoing ambulatory surgery.

****S-1 REVIEW OF SPINAL ANESTHESIA USING BUPIVACAINE FOR ARTHROSCOPIC KNEE SURGERIES IN THE AMBULATORY SETTING**

G. Sudhakaran Nair, A. Abrishami, J. Lermite, F. F. Chung;
Anesthesia Department, University Health Network-Toronto Western Hospital, Toronto, ON, Canada

S-2 FRANKLING MASK: REDUCES VOLATILE ANAESTHETICS PUNGENCY PERCEPTION DURING INHALATORY INDUCTION. COMPARISON BETWEEN ISOFLURANE AND SEVOFLURANE

J. C. Kling, G. Franco;
Fundacion Cardioinfantil, Bogota, Colombia

S-3 EFFICACY AND SAFETY OF PERPHENAZINE IN THE PREVENTION OF POSTOPERATIVE NAUSEA AND VOMITING (PONV): A QUANTITATIVE SYSTEMATIC REVIEW

A. Schnabel, L. Eberhart, A. Morin, H. Van Aken, N. Roewer, P. Kranke;
Department of Anaesthesiology and Intensive Care, University Hospital, Muenster, Germany; Department of Anaesthesiology and Intensive Care, University Hospital, Marburg, Germany; Department of Anaesthesiology, University Hospital, Wuerzburg, Germany

S-4 DOES THE ADDITION OF INTRAVENOUS LIDOCAINE TO PROPOFOL BLUNT THE RESPONSE TO NOXIOUS STIMULI UPON INSERTION OF ENDOSCOPE FOR UPPER ENDOSCOPY?

S. Cohen, S. Shah, D. New, V. Cirella, J. Tse, T. Ben Menachem;
UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

S-5 SHOULD EPINEPHRINE BE INCLUDED IN THE IRRIGATION FLUID DURING ARTHROSCOPIC SHOULDER SURGERY?

M. K. Urban, C. A. DiMeo, W. F. Russell, A. A. Allen, B. Wukovits, S. Tong-Ngork;
Hospital for Special Surgery, New York, NY

S-6 THE ADDITION OF APREPITANT TO A THREE-DRUG REGIME REDUCES THE LATE PONV RATE IN THE HIGH RISK PATIENT TO ONE WITH A LOWER RISK

J. S. Berger, S. S. Kee, R. N. Parris, J. R. Ruiz, F. Goravanchi, J. C. Frenzel;
M. D. Anderson Cancer Center, Houston, TX

S-7 INCREASED THROUGHPUT OF PEDIATRIC PATIENTS IN AN ADULT AMBULATORY SETTING: A WIN-WIN-WIN

M. M. Vigoda, J. Tutiven, S. Gayer, A. Müller, M. Murtha, L. I. Rodriguez;
University of Miami, Miller School of Medicine, Miami, FL

Equipment / Monitoring – 1

Abstracts in Poster Discussion Round: S-107 – S-110
Presenters in attendance 8:00 – 9:30

PR01-2

Poster Moderators:

Francois Donati, MD, Hôpital Maisonneuve-Rosemont de, Montréal, QC, Canada
Mark J. Harris, MD, University Medical Center, Salt Lake City, UT

Learner Objective: To understand new developments in anesthesia equipment and monitoring devices and to understand recently recognized limitations on current equipment.

****S-107 CLINICAL EVALUATION OF THE DIFFERENCES ON TRANSCUTANEOUS MEASUREMENTS OF CARBON DIOXIDE TENSION AT VARIOUS BODY SITES DURING GENERAL ANESTHESIA**

A. Mizushima, S. Katashima, Y. Kawachi, M. Yamamoto, H. Iwata, Y. Kamiyama;
Juntendo University Urayasu Hospital, Urayasu, Japan

S-108 EFFECTS OF DEEP TRENDELENBURG POSITIONING ON INTRAOCULAR PRESSURE DURING ROBOTIC RADICAL PROSTATECTOMY

H. Elsayed-Awad, M. Ohr, A. Roth, W. Yan, S. Fernandez, V. Patel;
The Ohio State University, Columbus, OH

S-109 VOLUME VERSUS PRESSURE CONTROL VENTILATION DURING ROBOTIC ASSISTED LAPAROSCOPIC RADICAL PROSTATECTOMY

A. Falabella, R. Nelson, M. W. Lew, W. Chang, M. J. Sullivan, L. Crocitto;
City of Hope, Duarte, CA

S-110 A NOVEL METHOD FOR CREATING ALERTS OF INTRAOPERATIVE GAPS IN PATIENT MONITORING DURING ANESTHESIA

J. M. Ehrenfeld, W. S. Sandberg;
Massachusetts General Hospital, Boston, MA

MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30

Cardiothoracic & Vascular-Clinical – 1
 Abstracts in Poster Discussion Round: S-30 – S-37
 Presenters in attendance 8:00 – 9:30

PR01-3

Poster Moderators:

Martin London, MD, UCSF, San Francisco, CA
Pekka Talke, MD, UCSF San Francisco, CA

Learner Objective: To review and assess current developments in clinical cardiothoracic anesthesia.

- **S-30 CHANGE IN CARDIAC CONTRACTILITY WITH DYNAMIC SURGICAL POSITIONING USING TEE**
G. A. Kogan, A. B. Wong, S. B. Vakharia, K. M. Gimenez;
University of California, Irvine Medical Center, Orange, CA
- S-31 NEUROPROTECTION DURING INSERTION OF IMPLANTABLE CARDIOVERTER/DEFIBRILLATORS (ICD)**
A. Moritz, S. Neuner, K. Ladstaetter, R. Fritze, R. Germann, M. Dworschak;
University Hospital Vienna, Vienna, Austria; Teaching Hospital Feldkirch, Feldkirch, Austria
- S-32 SUCCESS OF RADIAL ARTERIAL CANNULATION AFTER CARDIAC CATHETERIZATION VIA THE SAME VESSEL**
P. M. Cruchley;
St. Mary's Regional Cardiac Centre, Kitchener, ON, Canada
- S-33 SHOULD PATIENTS UNDERGOING TOTAL JOINT ARTHROPLASTY HAVE TIGHT HEART RATE CONTROL?**
K. Gandhi, E. Schwenk, E. Viscusi, L. Pulido, J. Parvizi;
Thomas Jefferson University Hospital, Philadelphia, PA; Rothman Institute, Philadelphia, PA
- S-34 PROLONGATION OF QT INTERVAL INDUCED BY SEVOFLURANE IS NOT ATTENUATED BY LANDIOLOL**
Y. Fujiwara, M. Matura, Y. Shibata, Y. Asakura, H. Ito, T. Komatsu;
Aichi Medical University, Aichi, Japan
- S-35 C-REACTIVE PROTEIN LEVEL IS A PREDICTOR OF SEVERE ATHEROMATOUS DISEASE IN PROXIMAL AORTA OF PATIENTS UNDERGOING OPCAB**
T. Akazawa, K. Warabi, M. Ohshima, E. Inada;
Juntendo University, Tokyo, Japan
- S-36 "SUB-OPTIMAL" USE OF PREOPERATIVE β -BLOCKERS IS BETTER THAN NO β -BLOCKER USE**
L. I. Rodriguez, M. M. Vigoda, E. Wu, M. Murtha, D. A. Lubarsky;
University of Miami Miller School of Medicine, Miami, FL
- S-37 PREOPERATIVE ASSESSMENT OF THE CARDIAC PATIENT FOR DAY OF ADMISSION SURGERY**
G. Silvey, B. C. Flynn, M. de Perio, E. Hughes;
Mt. Sinai Medical Center, New York, NY

Equipment / Monitoring – 2
 Abstracts in Poster Discussion Round: S-112 – S-118
 Presenters in attendance 10:15 – 11:45

PR01-4

Poster Moderators:

Ibtesam A. Hilmi, MD, University of Pittsburgh, Pittsburgh, PA
Jeff M. Berman, MD, University of North Carolina, Chapel Hill, NC

Learner Objective: To understand new developments in anesthesia equipment and monitoring devices and to understand recently recognized limitations on current equipment.

- ***S-112 DISTANCE FROM THE INCISOR TO THE LARYNX MEASURED BY USING THE AIRWAY SCOPE**
N. Sasano, H. Sasano
Inabe General Hospital, Inabe, Japan; Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan
- S-113 FUNCTIONAL NEAR INFRARED SPECTROSCOPY AS A MONITOR FOR DEPTH OF ANESTHESIA**
C. Hoffman, J. Horrow, K. Izzetoglu, J. Levitt, Y. Hua, G. Goyal;
Drexel University, Philadelphia, PA
- S-114 MEASUREMENT OF VO₂ AND VCO₂ DURING SPONTANEOUS BREATHING IS MORE ACCURATE WITH THE BYMIXER-FLOW SYSTEM COMPARED TO THE DATEX-OHMEDA S5 MONITOR**
K. Scherrer, C. Leung, A. Rosenbaum, P. H. Breen;
UCIMC, Orange, CA
- S-115 VIDEO ENDOTRACHEAL TUBE EXCHANGE CATHETER**
R. Glassenberg;
Northwestern University, Chicago, IL
- S-116 NON-INVASIVE ASSESSMENT OF CEREBRAL AUTOREGULATION USING NEAR INFRARED SPECTROSCOPY**
C. Pritchard, T. Leung, M. Tisdall, I. Tachtsidis, C. Elwell, M. Smith;
Department of Neuroanaesthesia and Neurocritical Care, National Hospital for Neurology and Neurosurgery, University College London Hospitals, London, United Kingdom; Department of Medical Physics and Bioengineering, University College London, London, United Kingdom
 Disclosure: EZC Med.
- S-117 THE EFFECTS OF NEUROMUSCULAR BLOCKADE AND POSITIVE END-EXPIRATORY PRESSURE ON LUNG AND CHEST WALL MECHANICS DURING LAPAROSCOPIC SURGERY**
L. F. Maracajá-Neto, M. A. Lessa;
UF RJ, Rio de Janeiro, Brazil, FIOCRUZ, Rio de Janeiro, Brazil
- S-118 THE NEW VAMA® INTUBATING AIRWAY: A UNIQUE DESIGN FOR FIBEROPTIC INTUBATION**
P. Marzal, F. Llobell, J. Cardona, A. Madrid, V. Madrid, Y. Bryan
Hospital G. U. Marina Alta, Denia (Alicante), Spain; Cincinnati Children's Hospital Medical Center, Cincinnati, OH

* Best of Meeting

** Best of Section

***Kosaka Session

SATURDAY, MARCH 29

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Neuroanesthesia

Abstracts in Poster Discussion Round: S-132 – S-139
Presenters in attendance 10:15 – 11:45

PR01-5

Poster Moderators:

Carlos B. Mantilla, MD, Anesthesiology, Mayo Clinic College of Medicine, Rochester, MN
Ansgar Brambrink, MD, Anesthesiology and Perioperative Medicine, OHSU, Portland, OR

Learner Objective: To understand selected basic and clinical developments that influence neuroanesthesia practice.

****S-132 MULTIMODAL FUNCTIONAL IMAGING OF LOSS OF CONSCIOUSNESS UNDER PROPOFOL ANESTHESIA USING SIMULTANEOUS EEG/FMRI: FMRI CORRELATES OF THE 40-HZ ASSR AND LOSS OF CORTICAL-FUGAL INHIBITION**

*P. L. Purdon, E. T. Pierce, J. Walsh, P. G. Harrell, J. Kwo, E. Brown;
Mass General Hospital, Boston, MA; Mass General Hospital, Charleston, MA*

S-133 THE EFFECT OF DEXMEDETOMIDINE ON PERIOPERATIVE HEMODYNAMICS IN PATIENTS UNDERGOING CRANIOTOMY

*M. K. Sturaitis, A. Y. Bekker, M. C. Bloom, M. Moric, M. Godina, S. C. Toleikis;
Rush University Medical Center, Chicago, IL; New York University Medical Center, New York, NY*

S-134 NITROGLYCERIN INDUCED HYPOTENSION CAUSES DELAYED TRANSIENT COGNITIVE DYSFUNCTION IN ADULT MICE

*M. Haile, M. Rocco, Y. Li, D. Quartermain, T. Blanck, A. Bekker;
New York University Medical Center, New York, NY*

S-136 A RETROSPECTIVE ANALYSIS OF RISK FACTORS FOR SSEP CHANGES INDICATING IMPENDING UPPER EXTREMITY PERIPHERAL NERVE INJURY DURING SPINE SURGERY

*I. R. Kamel, D. Y. Kim, N. W. Brister, J. P. Gaughan, M. Kaga, R. E. Barnette;
Temple University Hospital, Philadelphia, PA*

S-137 THE USE OF SOMATOSENSORY EVOKED POTENTIALS (SSEP) TO DETERMINE THE INFLUENCE OF PATIENTS' AGE AND GENDER ON THE INCIDENCE OF IMPENDING UPPER EXTREMITY NERVE INJURY IN THE PRONE POSITION DURING SPINE SURGERY

*I. R. Kamel, E. T. Drum, J. Gaughan, E. Chang, A. Warner, R. Barnette;
Temple University Hospital, Philadelphia, PA; Temple University Children's Hospital, Philadelphia, PA*

S-138 CEREBROSPINAL FLUID AND PLASMA CONCENTRATIONS OF INTERLEUKIN (IL)-6, IL-1 β , IL-1 α , IL-8, AND TUMOR NECROSIS FACTOR (TNF)-ALPHA FOLLOWING INTRACRANIAL ANEURYSM CLIPPING

*T. Ueda, Y. Morimoto;
Ube Kosan central hospital, Ube, Japan*

S-139 DELAYED AWAKENING IN DYSTONIA PATIENTS FOR DEEP BRAIN STIMULATOR SURGERY

*C. E. Trombetta, A. Deogaonkar, M. Deogaonkar, Z. Ebrahim, A. Machado, E. Farag;
Cleveland Clinic, Cleveland, OH*

Education and Patient Safety — 1

Abstracts in Poster Discussion Round: S-83 – S-90
Presenters in attendance 10:15 – 11:45

PR01-6

Poster Moderators:

Sherif Afifi, MD, Northwestern Univ Sch of Med, Chicago, IL.
David Wax, MD, Mt. Sinai School of Medicine, New York, NY.

Learner Objective: To understand selected advances in undergraduate and graduate medical education and in patient safety.

S-83 INFLUENCE OF SEVOFLURANE FORMULATION WATER CONTENT ON DEGRADATION TO HYDROGEN FLUORIDE IN COMMERCIAL VAPORIZERS

*E. D. Kharasch, G. Subbarao, D. A. Stephens,
K. R. Cromack, J. M. Meinhold, M. D. Saltarelli
Washington University, St. Louis, MO;
Abbott, Abbott Park, IL
Disclosure: Abbott.*

S-84 INFLUENCE OF FORMULATION WATER CONTENT ON SEVOFLURANE DEGRADATION IN VITRO BY LEWIS ACIDS

*K. Cromack, E. D. Kharasch, D. A. Stephens, G. Subbarao,
J. M. Meinhold, M. D. Saltarelli;
Abbott, Abbott Park, IL; Washington University, St. Louis, MO
Disclosure: Employee.*

S-85 LIVER TRANSPLANT ANESTHESIA: LOOKING FOR CONSENSUS OF PRACTICE

*C. S. Scher, A. Torres, S. Wieder;
Mount Sinai School of Medicine, New York, NY*

S-86 THE EFFECT OF GLYCOPYRROLATE AND NEOSTIGMINE ON BACTERIAL GROWTH

*I. Batai, M. Bauer, R. Batai, M. Kerenyi;
University of Pecs, Dept of Anesthesia and Intensive Care, Pecs, Hungary; University of Pecs, Dept. of Medical Microbiology, Pecs, Hungary*

S-87 REMOVABLE DENTAL APPLIANCES IN ANESTHESIA - RESIDENCY TRAINING PROGRAMS ROUTINELY VIOLATE JCAHO STANDARDS

*D. R. New, D. Hall, A. Kuppasamy, D. Mann;
Robert Wood Johnson University Hospital,
New Brunswick, NJ*

S-88 THE HUMAN PATIENT SIMULATOR TO ENHANCE LEARNING AMONG MEDICAL STUDENTS IN THE MANAGEMENT OF CRITICALLY ILL PATIENTS

*Z. Hassan, T. McLarny, P. A. Sloan;
University of Kentucky, Lexington, KY*

S-89 EVALUATION OF GINNY AND ERNIE'S SURGICAL DAY: A GUIDE TO PEDIATRIC ANESTHESIA

*M. P. Carson, M. Wood, R. Kazim, L. Sun;
Columbia University, New York, NY; Columbia University College of Physicians and Surgeons, New York, NY*

S-90 A MINITAB MACRO FOR NONPARAMETRIC POST HOC PAIR-WISE COMPARISONS AFTER FRIEDMAN'S TEST AND KRUSKAL-WALLIS TEST

*S. Mantha, M. F. Roizen, J. F. Foss;
Nizam's Institute of Medical Sciences, Hyderabad, India,
Cleveland Clinic Foundation, Cleveland, OH*

MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30

Pharmacology-Clinical – 1
 Abstracts in Poster Discussion Round: S-206 – S213
 Presenters in attendance 10:15 – 11:45

PR01-7

Poster Moderators:

Ken B. Johnson, MD, University of Utah, Salt Lake City, UT
Pamela Flood, MD, Columbia University, New York, NY

Learner Objective: To discuss advances in pharmacokinetics and pharmacodynamics of agents used in the operating room and perioperative period.

S-206 CEREBROSPINAL FLUID BIOAVAILABILITY OF ORAL PREGABALIN

A. Buvanendran, J. S. Kroin, S. S. Reuben, M. Kari,
 K. J. Tuman;
 Rush Medical College, Chicago, IL; Baystate Medical Center,
 Springfield, MA
 Disclosure: Pfizer, Inc.

S-207 DELAYED INHIBITION OF AGONIST-INDUCED GRANULOCYTE-PLATELET AGGREGATION AFTER LOW-DOSE SEVOFLURANE INHALATION IN HUMANS

E. Lucchinetti, J. Wacker, M. Jannicki, L. Härter, M. Keel,
 M. Zaugg;
 University of Zurich, USZ, Zurich, Switzerland.
 Disclosure: Abbott Switzerland

S-208 ESTIMATING INTER-SUBJECT VARIABILITY FOR A REMIFENTANIL PROPOFOL RESPONSE SURFACE OF ESOPHAGEAL INSTRUMENTATION

C. D. LaPierre, K. B. Johnson, N. Syroid, T. D. Egan;
 University of Utah, SLC, UT
 Disclosure: Nasa Space Grant Consortium; Scott Laboratories

S-209 RECOVERY OF TRAIN-OF-FOUR RATIO IS DELAYED IN DIABETIC PATIENTS RECEIVING VECURONIUM

K. Nitahara, Y. Sugi, T. Hamada, G. Kusumoto, S. Shono,
 K. Higa;
 Fukuoka University School of Medicine, Fukuoka, Japan

*****S-210 THE IMPACT OF COMBINED PROPOFOL-REMIFENTANIL ANESTHESIA ON SEIZURE DURATION AND RECOVERY TIME DURING ELECTROCONVULSIVE THERAPY**

K. Suga, M. Komai, R. Takao, H. Yamazaki, A. Yoshida,
 Y. Kobayashi;
 National Hospital Organization Tokyo Medical Center,
 Tokyo, Japan

S-211 INVESTIGATION FOR A PREFERRED REMIFENTANIL PROPOFOL COMBINATION AND DOSING SCHEDULE FOR ESOPHAGEAL INSTRUMENTATION

C. D. LaPierre, K. B. Johnson, T. D. Egan;
 University of Utah, SLC, UT
 Disclosure: Nasa Space Grant Consortium; Scott Laboratories

S-212 VECURONIUM POTENCY AFTER METOCLOPRAMIDE: A COMPARISON TO MIVACURIUM

D. Steinberg, G. H. Steinberg;
 Hospital Clinicas Caracas & Policlínica Mendez Gimón,
 Caracas, Venezuela; School of Medicine, Central University
 Venezuela, Caracas, Venezuela

S-213 LIDOCAINE POTENTIATES THE EFFECT OF GABAERGIC SIGNALING ON BISPECTRAL INDEX

A. McKay, Z. M. Malik, M. Forbes, **J. L. Huffmyer**,
 M. E. Durieux, D. S. Groves;
 University of Virginia, Charlottesville, VA

Equipment / Monitoring – 3
 Abstracts in Poster Discussion Round: S-119 – S-125
 Presenters in attendance 1:00 – 2:30

PR01-8

Poster Moderators:

Giora Landesberg, MD, Hebrew University, Jerusalem, Israel
David Wax, MD, Mt. Sinai School of Medicine, New York, NY

Learner Objective: To understand new developments in anesthesia equipment and monitoring devices and to understand recently recognized limitations on current equipment.

S-119 RANDOMIZED CONTROLLED TRIAL TO EVALUATE THE VENTILATION DISTRIBUTION AND THE INFLUENCE OF A CO₂ PNEUMOPERITONEUM WHILE PEEP AND ZEEP VENTILATION DURING LAPAROSCOPIC CHOLECYSTECTOMY BY ELECTRICAL IMPEDANCE TOMOGRAPHY (EIT)

J. Karsten, M. Grossherr, H. P. Bruch, H. Gehring,
 P. Schmucker, T. Meier;
 University Medical Center Schleswig-Holstein Campus
 Luebeck, Department of Anesthesiology, Luebeck, Germany;
 University Medical Center Schleswig-Holstein Campus
 Luebeck, Department of Surgery, Luebeck, Germany

*****S-120 RELATIONSHIP OF CEREBRAL OXIMETRY-MEASURED HEMOGLOBIN PER VOLUME OF TISSUE TO ARTERIAL BLOOD HEMOGLOBIN**

D. MacLeod, K. Ikeda, W. White;
 Duke University Medical Center, Durham, NC
 Disclosure: CAS Medical.

*****S-121 INTUBATION AT FLOOR LEVEL – EVALUATING THE AIRTRAQ LARYNGOSCOPE**

J. L. Tong, A. J. Gait, M. Woollard;
 Royal Centre for Defence Medicine, Birmingham, United
 Kingdom, University Hospital Coventry and Warwickshire,
 Coventry, United Kingdom, Coventry University, Coventry,
 United Kingdom

S-122 MAPLESON D vs. AMBU BAG™ FOR ECT: WHICH WOULD YOU CHOOSE?

M. Walter, C. G. Choukalas, D. Glick, M. O'Connor, A.
 Tung, M. E. Nunnally;
 University of Chicago, Chicago, IL

S-123 MEASUREMENT ERROR IN CENTRAL VENOUS PRESSURE MONITORING

K. K. Figg, E. C. Nemergut;
 University of Virginia, Charlottesville, VA

S-124 PROPOFOL MUST BE EXPELLED FROM ANESTHESIA WITH MONITORING OF MOTOR-EVOKED POTENTIALS (MEPs) IN PATIENTS WHO HAVE SYMPTOMS IN UPPER AND LOWER EXTREMITIES AND MIDAZOLAM CAN SUBSTITUTE FOR PROPOFOL

M. Uchida, K. Takeda;
 Anesthesiology, Fujita Health University, Toyoake, Aichi,
 Japan

S-125 HYPERVENTILATION AND SEIZURE LENGTH: A COMPARISON OF MAPLESON D AND AMBU BAG™

C. G. Choukalas, M. Walter, D. Glick, M. O'Connor, A.
 Tung, M. E. Nunnally;
 University of Chicago, Chicago, IL

SATURDAY, MARCH 29

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Cardiothoracic & Vascular-Clinical – 3
Abstracts in Poster Discussion Round: S-46 – S-53
Presenters in attendance 1:00 – 2:30

PR01-9

Poster Moderators:

Michael Zaugg, MD, University of Zurich, Zurich, Switzerland
Chris McQuitty, MD, University of Texas, Galveston, TX

Learner Objective: To review and assess current developments in clinical cardiothoracic anesthesia.

S-46 USE OF CONTINUOUS CENTRAL VENOUS OXYGEN SATURATION MONITORING IN PEDIATRIC PATIENTS UNDERGOING CARDIAC SURGERY

N. Dhamija, J. K. Ho, E. Sanchez, C. Canales, R. Crowley, A. Mahajan;
Department of Anesthesiology, David Geffen School of Medicine, UCLA, Los Angeles, CA

S-47 APROTININ AND PREOPERATIVE RISK FACTORS FOR THE DEVELOPMENT OF POSTOPERATIVE RENAL DYSFUNCTION FOLLOWING PEDIATRIC CONGENITAL CARDIAC SURGERY

A. Manrique, B. A. Kuch, E. H. Jooste, S. E. Lichtenstein, V. Morrel, P. J. Davis;
Children's Hospital of Pittsburgh, Pittsburgh, PA

S-48 3-D ULTRASOUND AND CENTRAL VENOUS CATHETER INSERTION

B. A. Harrison, S. R. Clendenen, T. S. Shine, N. J. Clendenen, S. Aniskevich;
Mayo Clinic College of Medicine, Jacksonville, FL

S-50 WHAT'S IMPORTANT: PREOPERATIVE β -BLOCKADE OR A LOW RESTING HR?

L. I. Rodriguez, M. M. Vigoda, E. Wu, M. Murtha, D. A. Lubarsky;
University of Miami Miller School of Medicine, Miami, FL

S-51 PREOPERATIVE β -BLOCKERS, STATINS AND ASA: "ONE FOR ALL AND ALL FOR ONE"

L. I. Rodriguez, M. M. Vigoda, E. Wu, M. Murtha, D. A. Lubarsky;
University of Miami Miller School of Medicine, Miami, FL

S-52 ADEQUACY OF TRANSTHORACIC ECHOCARDIOGRAM IN THE POST-OPERATIVE CARDIAC SURGICAL PATIENT

B. C. Flynn, J. Stanley, S. Wang, J. Meltzer, S. Lam, V. K. Moitra
Mt. Sinai Medical Center, New York, NY;
Columbia Presbyterian Hospital, New York, NY

S-53 ASSESSMENT OF QT INTERVAL AND QT DISPERSION DURING ELECTROCONVULSIVE THERAPY USING COMPUTERIZED MEASUREMENTS

N. Tezuka, S. Yamaguchi, H. Egawa, S. Hamaguchi, T. Kitajima;
Dokkyo University School of Medicine, Mibu, Japan

Education and Patient Safety – 2
Abstracts in Poster Discussion Round: S-91 – S-98
Presenters in attendance 1:00 – 2:30

PR01-10

Poster Moderators:

Francois Donati, MD, Hôpital Maisonneuve-Rosemont de, Montréal, QC, Canada.
Sorin J. Brill, MD, Department of Anesthesiology, Ormond Beach, FL

Learner Objective: To understand selected advances in undergraduate and graduate medical education and in patient safety.

****S-91 EVALUATION OF THREE DIAGNOSTIC TESTS IN THE DIAGNOSIS OF ANAESTHETIC RELATED ANAPHYLAXIS USING LATENT CLASS MODELLING**

P. McKinnon, M. M. Fisher;
Concord Repatriation General Hospital, Sydney, Australia;
Royal North Shore Hospital, Sydney, Australia
Disclosure: Organon Australia.

S-92 TRENDS IN BILATERAL TOTAL KNEE REPLACEMENT: 153,259 HOSPITAL DISCHARGES IN THE UNITED STATES BETWEEN 1990 AND 2004

S. C. Reid, L. K. Gaber, M. C. Besculides, A. González, Della Valle, S. G. Memtsoudis;
Department of Anesthesiology, Hospital for Special Surgery, Weil Medical College of Cornell University, New York, NY;
LKG Consulting, Plainsboro, NJ; Mathematica Policy Research, Inc., Princeton, NJ; Department of Orthopaedics, Hospital for Special Surgery, Weil Medical College of Cornell University, New York, NY

S-93 PREVALENCE OF OBSTRUCTIVE SLEEP APNEA IN A COHORT OF PATIENTS WITH MAJOR DEPRESSIVE DISORDERS PRESENTING FOR ELECTROCONVULSIVE THERAPY

K. W. Smith, P. Teman, M. Vukin;
University of Utah, Salt Lake City, UT

S-94 TYPE OF INTERNSHIP AND ITE PERFORMANCE: DOES IT MATTER?

M. Cobas, A. Varon, K. Arheart, M. A. De la Pena, N. Crescimone, D. Lubarsky;
Miller School of Medicine at the University of Miami, Miami, FL

S-95 DOCUMENTATION QUALITY OF PONV

M. Franck, F. M. Radtke, R. Kuhly, A. Baumeier, C. D. Spies;
Charité - Universitätsmedizin Berlin, Berlin, Germany

S-96 USMLE: PREDICTOR OF IN-TRAINING EXAMINATION PERFORMANCE IN ANESTHESIOLOGY?

M. Cobas, A. Varon, K. Arheart, M. Lewis, M. A. De la Pena, D. Lubarsky;
Miller School of Medicine at the University of Miami, Miami, FL

S-97 DOCUMENTATION OF CRITICAL INCIDENTS USING AN ANESTHESIA INFORMATION MANAGEMENT SYSTEM

D. T. Goulson;
University of Kentucky, Lexington, KY.

S-98 IN HOSPITAL COMPLICATIONS AFTER TOTAL HIP AND KNEE ARTHROPLASTY

L. Pulido, K. Gandhi, B. Mraovic, M. Macgibeny, A. Oviedo, J. Parvizi;
Rothman Institute at Thomas Jefferson University, Philadelphia, PA; Anesthesiology Department at Thomas Jefferson University, Philadelphia, PA

** Best of Section

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Education and Patient Safety – 3
Abstracts in Poster Discussion Round: S-99 – S-106
Presenters in attendance 3:00 – 4:30

PR01-11

Poster Moderators:

Lena S. Sun, MD, Columbia University, New York, NY
Pekke Talke, MD, USCF, San Francisco, CA

Learner Objective: To understand selected advances in undergraduate and graduate medical education and in patient safety.

S-99 FASCIA ILIACA NERVE BLOCK SUCCESS RATES IN AN ANESTHESIOLOGY RESIDENCY TEACHING PROGRAM

S. L. Blum, A. Schroeder, W. Goldstein, J. S. Kroin,
K. J. Tuman;
Rush North Shore Medical Center, Skokie, IL; Rush Medical
College, Chicago, IL.

S-100 EDITORIAL REFERENCES IN ANAESTHESIA JOURNALS: CONTRIBUTIONS FROM OTHER JOURNALS.

S. Sathish Kumar, R. Vasoya, A. Velayudhan;
Princess of Wales Hospital, Bridgend, United Kingdom;
Ninewells Hospital, Dundee, United Kingdom

S-101 COMMERCIALY MARKETED SEVOFLURANE VAPORIZERS CONTAIN LEWIS ACID METAL OXIDES THAT CAN POTENTIALLY DEGRADE SEVOFLURANE CONTAINING INSUFFICIENT PROTECTIVE WATER CONTENT

D. A. Stephens, E. D. Kharasch, K. R. Cromack,
S. Shrivastava, **J. M. Meinhold**, M. D. Saltarelli;
Abbott, Abbott Park, IL; Washington University, St. Louis, MO
Disclosure: Employee.

S-102 A BRIEF EDUCATIONAL INTERVENTION IMPROVES ACCURACY OF INTRAOPERATIVE PRECORDIAL LEAD PLACEMENT

C. Sullivan, N. Kofford, **H. W. Hopf**;
University of Utah, Salt Lake City, UT

S-103 DELIRIUM IN THE RECOVERY ROOM PREDICTS DELIRIUM ON THE FIRST POSTOPERATIVE DAY

F. M. Radtke, M. Franck, J. Bieler, A. Heymann, C. D. Spies;
Charité - Universitätsmedizin Berlin, Berlin, Germany

S-104 “ANAESTHESIOLOGIES”: USING ANALOGIES TO TEACH ANESTHESIOLOGY PRINCIPLES TO NON-MEDICAL STUDENTS

D. Miller, L. K. Hoke, M. J. Meyer, Y. F. Bryan;
The Ohio State University, Columbus, OH, Cincinnati
Children's Hospital Medical Center, Cincinnati, OH

S-105 UNINTENTIONAL INTRACEREBROVENTRICULAR ADMINISTRATION OF ETOMIDATE AND ROCURONIUM

S. M. Howell, **R. Driver**;
West Virginia University School of Medicine, Morgantown, WV

S-106 TEMPLATE FOR A SENIOR RESIDENT RETREAT: WHAT WE ARE NOT TEACHING IN RESIDENCY TRAINING PROGRAMS

E. J. Holak;
Medical College of Wisconsin, Milwaukee, WI

Cardiothoracic & Vascular-Clinical – 2
Abstracts in Poster Discussion Round: S-38 – S-45
Presenters in attendance 3:00 – 4:30

PR01-12

Poster Moderators:

Sherif Affi, MD, Northwestern University School of Medicine,
Chicago, IL
Mias Pretorius, MD, Vanderbilt University Medical Center,
Nashville, TN

Learner Objective: To review and assess current developments in clinical cardiothoracic anesthesia.

S-38 PREOPERATIVE STATIN THERAPY IS NOT ASSOCIATED WITH A REDUCED INCIDENCE OF POSTOPERATIVE RENAL DYSFUNCTION AFTER CARDIAC SURGERY

M. Argalious, M. Xu, S. Sun, C. G. Koch;
The Cleveland Clinic, Cleveland, OH

S-39 HYPERLACTACIDEMIA AND ABNORMALITY OF HEPATIC MITOCHONDRIAL REDOX STATE DURING CARDIOPULMONARY BYPASS IN ADULT HEART-VALVE REPLACEMENT: PROSPECTIVE CONTRASTIVE STUDY BETWEEN LACTATED RINGER'S SOLUTION AND BICARBONATED RINGER'S SOLUTION

F. Koichi, M. Fuyuta, **Y. Takasugi**, R. Kajikawa, T. Okuda,
Y. Koga
Nara Hospital, Kinki University School of Medicine, Ikoma,
Nara, Japan; Kinki University School of Medicine, Osaka,
Japan

S-40 COMPRESSING THE NON-DEPENDENT LUNG DURING ONE-LUNG VENTILATION IMPROVES ARTERIAL OXYGENATION, BUT IMPAIRS SYSTEMIC OXYGEN DELIVERY BY DECREASING CARDIAC INDEX

S. Ishikawa, M. Shirasawa, M. Fujisawa, C. Takishima, K.
Makita;
Tokyo Medical and Dental University, Graduate School of
Medicine, Tokyo, Japan

S-41 FUNCTIONAL RIGHT-TO-LEFT INTRACARDIAC SHUNT CAUSED BY DELIBERATE SURGICAL CLOSURE OF THE CORONARY SINUS ORIFICE - A CASE REPORT AND DISCUSSION

W. J. Mauermann, K. H. Rehfeldt, J. J. Lynch, R. L. Click,
J. A. Dearani;
Mayo Clinic Rochester, Rochester, MN

S-42 A PRELIMINARY STUDY OF THE INCIDENCE OF POST-THORACOTOMY SHOULDER PAIN

P. MacDougall, P. Slinger, K. McRae, R. Ko;
Dalhousie University, Halifax, NS, Canada, Toronto General
Hospital, Toronto, ON, Canada

S-43 CARDIAC ARREST IN-HOSPITAL AFTER CARDIAC TAMPONADE. THE ROLE OF THERAPEUTIC HYPOTHERMIA IN THE SUCCESSFUL RESUSCITATION

R. Lopez, H. Elsayed-Awad;
The Ohio State University, Columbus, OH

S-44 PERSISTANT LEFT SUPERIOR VENA CAVA AND PLACEMENT OF SWAN-GANZ CATHETER IN THE CORONARY SINUS

J. Wingate, H. Elsayed-Awad;
The Ohio State University, Columbus, OH

S-45 EVALUATION OF TRANSCUTANEOUS CO2 EMPLOYING EAR SENSOR (TOSCA) AND CEREBRAL OXIMETRY DURING CARDIOPULMONARY BYPASS

S. Vakharia, K. Gimenez, L. Estanol, H. J. Kim, B.
Kavoossi, N. Shah;
University of California, Irvine, Medical Center, Orange, CA
Disclosure: Equipment on loan for research.

7:30 – 1:00 EXHIBITS – PACIFIC CONCOURSE

7:30 – 8:00 CONTINENTAL BREAKFAST – PACIFIC CONCOURSE

REVIEW COURSE LECTURES GRAND BALLROOM A

8:00 - 8:45 **OBSTETRIC ANESTHESIA AND EWE:
R09**

Cynthia Wong, MD

Chief, Obstetrical Anesthesia
Associate Professor of Anesthesiology
Northwestern University Medical Center
Chicago, IL

Learner Objectives:

- Understand the relationship between timing of the initiation of neuraxial labor analgesia and the progress of labor.
- Understand the relationship between dense epidural labor analgesia and the outcome of vaginal delivery.
- Explain the advantages and disadvantages of different methods of maintaining epidural labor analgesia: Intermittent manual bolus, continuous infusion, patient controlled analgesia with and without a background infusion, and timed-intermittent bolus injections.
- Explain the reasoning behind choice of vasopressors (ephedrine and phenylephrine) for the treatment of neuraxial-anesthesia induced hypotension during cesarean delivery.
- Understand the benefits and limits of crystalloid and colloid administration for the prevention of hypotension during spinal anesthesia for cesarean delivery. Understand the risks and benefits of spinal versus epidural anesthesia for cesarean delivery in women with severe preeclampsia.

8:50 - 9:30 **L & D MANAGEMENT OF THE MORBIDLY
R10**

Joy Hawkins, MD

Director of Obstetric Anesthesia,
Professor of Anesthesiology
Department of Anesthesiology
University Of Colorado School Of Medicine
Denver, CO

Learner Objectives: 1) understand the potential maternal and fetal complications associated with morbid obesity in the peripartum period; 2) They will be able to provide options for labor analgesia and plan a regional or general anesthetic for elective or urgent cesarean delivery; 3) The participant will be able to discuss options for safe effective postoperative pain management that minimizes complications.

10:15 - 11:00 **CONSENSUS PANEL RECOMMENDATIONS
R11**

Tong J. Gan, MB, FRCA

Professor and Vice Chair for Clinical Research
Department of Anesthesiology
Duke University Medical Center
Durham, NC
Disclosure: Grant support – SPRI, Progenics, Wyeth,
Javelin, Roche

Learner Objectives: 1) Identify the risk factors for PONV; 2) Discuss pharmacologic and non-pharmacologic options for prevention and treatment; 3) Present effective strategies for the management of PONV.

REVIEW COURSE LECTURES GRAND BALLROOM A

11:05 - 11:45 **DID THE NEW AHA/ACC GUIDELINES ON
R12**

Lee Fleisher, MD

Robert Dunning Dripps Professor and Chair
Professor of Medicine
University of Pennsylvania School of Medicine
Department of Anesthesiology and Critical Care
University Of Pennsylvania
Philadelphia, PA

Learner Objectives: 1) To discuss the indications for preoperative cardiovascular testing before noncardiac surgery; 2) To discuss the recommendations from the American Heart Association/American College of Cardiology for perioperative management of the cardiac patient undergoing noncardiac surgery.

1:00 - 2:30

**SELDON LECTURE
DEVELOPMENT OF PERIPHERAL OPIATE
R13**

Jonathan Moss, MD, PhD

Professor and Vice Chairman of Anesthesia
and Critical Care
University of Chicago
Chicago, IL
Disclosure: Progenics Pharmaceuticals

Learner Objectives: 1) Discuss the pharmacology of two investigational peripheral opiate antagonists, methylnaltrexone and alvimopan, in late stage development to attenuate the gastrointestinal side effects of opiates; 2) Discuss how these drugs permit separation of peripheral and central side effects of opiates; 3) Review the evidence supporting their use in the treatment of opiate induced constipation in advanced illness, chronic pain, and postoperative bowel dysfunction; 4) Discuss possible effects of peripheral opiate antagonists in attenuating other opiate related side effects, including nausea and vomiting, pruritis, urinary retention, and describe how these drugs have been used to uncover cellular effects of opiates on angiogenesis, infection, and barrier function.

3:00 - 3:45 **INTEGRATING REGIONAL ANESTHESIA INTO
R13**

Santhanam Suresh, MD

Director of Research
Childrens Memorial Hospital
Associate Professor of Anesthesiology & Pediatrics
Northwestern University, Feinberg School of Medicine
Northwestern University
Chicago, IL
Disclosure: Sonosite Inc, Organon Inc.

Learner Objectives: 1) Utilizer a variety of regional anesthesia techniques in children for postoperative pain control; 2) Use multimodal analgesia; 3) Determine dosage intervals and dosing parameters for local anesthetic solution in children.

3:50 - 4:30 **PITFALLS AND PROBLEMS
R14**

Linda Mason, MD

Professor of Anesthesiology and Pediatrics
Director of Pediatric Anesthesia
Loma Linda University Medical Center
Loma Linda University
Loma Linda, CA

Learner Objectives: To learn the current etiologies and prevention of anesthesia related cardiac arrest in the pediatric patient including and update on current pediatric resuscitation guidelines.

MEET THE EXPERTS – GRAND BALLROOM B

8:00 – 9:30 **COMPLICATIONS OF REGIONAL ANESTHESIA****Denise J. Wedel, MD**

Professor of Anesthesiology
Department of Anesthesiology
Mayo Clinic
Rochester, MN

Terese T. Horlocker, MD

Professor of Anesthesiology
Department of Anesthesiology
Mayo Clinic
Rochester, MN

Learner Objectives: To discuss cases illustrating potential complications of regional anesthesia. To review prevention, treatment and management of complications of neural blockade.

10:15 – 11:45 **INTERDISCIPLINARY TRAINING USING HIGH FIDELITY SIMULATION****J. Thomas McLarney, MD**

Assistant Professor of Anesthesiology
University of Kentucky
Lexington, KY

Paul A. Sloan, MD

Department of Anesthesiology
University of Kentucky
Lexington, KY

David M. Gaba, MD

Professor
Stanford University
Stanford, CA

Zaki-Udin Hassan, MD

Assistant Professor of Anesthesiology
University of Kentucky
Lexington, KY

Elizabeth H. Sinz, MD

Pennsylvania State University College of Medicine
Hershey, PA

Learner Objectives: The goal for the Expert Panel Discussion is to provide attendees a highly interactive forum for learning about interdisciplinary training using high fidelity simulation facilitated by a distinguished panel of experts. 1) Attendees will have open discussion with the panelists to discuss and learn about interdisciplinary training, focusing on the needs of the attendees; 2) Panelists will give a brief presentation on an important topic within interdisciplinary training to facilitate discussion.

PANELS — GRAND BALLROOM C

8:00 - 9:30 **PUBLICATION ROULETTE:
HOW TO BEAT THE ODDS!**
Philip G. Morgan, MD - Moderator**FINDING THE DICE: MECHANICS OF WRITING
THE MANUSCRIPT****Philip G. Morgan, MD**

Professor of Anesthesiology, Genetics and Pharmacology
School of Medicine
Case Western Reserve University

**DECIDING TO PLAY THE DICE:
HOW TO GET STARTED****Steven L. Shafer, MD**

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

**ROLLING THE DICE: FINAL SUBMISSION TO THE
JOURNAL (OR TOP 10 ITEMS THAT WILL CAUSE
REVIEWERS TO REJECT YOUR PAPER)****Davy Cheng, MD, MSc, FRCPC, FCAHS**

Professor & Chair
Department of Anesthesia & Perioperative Medicine
University of Western Ontario
London, Ontario Canada

Disclosure:

Research Funding Novo-Nordisk Inc, Organon
Pharmaceuticals, Baxter Healthcare Corporation

**CHECKING THE DICE:
WISE USE OF STATISTICS IN PUBLICATIONS****Lee Fleisher, MD**

Robert Dunning Dripps Professor and Chair
Professor of Medicine
University of Pennsylvania School of Medicine
Department of Anesthesiology and Critical Care
Philadelphia, PA

Learner Objectives: 1) Describe basic elements present in a successful original manuscript; 2) Describe typical pitfalls, and how to circumvent them, in summarizing scientific findings in written format; 3) Describe common statistical pitfalls and solutions when analyzing and presenting scientific data.

PANELS — GRAND BALLROOM C

10:15 - 11:45

SAMBA – CONTROVERSIES IN AMBULATORY ANESTHESIA

Girish P. Joshi, AssisMB BS, MD, FFARCSI - Moderator



GLYCEMIC MANAGEMENT DURING AMBULATORY SURGERY: DO WE NEED TIGHT CONTROL?

Girish P. Joshi, AssisMB BS, MD, FFARCSI
 Professor of Anesthesiology and Pain Management
 Director of Perioperative Medicine and Ambulatory Anesthesia
 University of Texas Southwestern Medical Center at Dallas
 Dallas, TX

SHOULD PAIN AS THE 5TH VITAL SIGN APPLY TO OUTPATIENTS?

John A. Dilger, MD
 Mayo Clinic
 Rochester, MN

CAN WE SAVE MONEY AND PROVIDE BETTER CARE IF WE ALL GIVE ANESTHESIA THE SAME WAY?

Douglas G. Merrill, Clinical Professor
 Professor, Anesthesia Carver College of Medicine
 Medical Director, Ambulatory Surgery
 University of Iowa Hospitals and Clinics
 Medical Director, Ambulatory Surgery
 Iowa City, IA

Learner Objectives: 1) Learn the current literature on tight intraoperative blood glucose; 2) Discuss the current controversies regarding blood glucose management in outpatients.

3:00 - 4:30

SNACC – ANESTHESIA-INDUCED NEUROTOXICITY ANESTHESIA-INDUCED NEUROTOXICITY

Cor J. Kalkman, MD, PhD - Moderator



Professor of Anesthesiology
 Division of Perioperative Medicine
 University Medical Center
 Utrecht, Netherlands

SNACC
 SOCIETY OF NEUROSURGICAL ANESTHESIA AND CRITICAL CARE

LABORATORY AND REGULATORY PERSPECTIVES FROM THE FDA

William Slikker, MD
 Director/Acting Director
 National Center For Toxicological Research
 Jefferson, AR

IMPLICATIONS OF PEDIATRIC ANESTHESIA

Sulpicio G.G. Soriano, MD
 Associate Professor of Anesthesia
 Children's Hospital Boston And Harvard Medical School
 Boston, MA

IMPLICATIONS OF GERIATRIC ANESTHESIA: THE AGED BRAIN MAY BE VULNERABLE, TOO

Gregory Crosby, MD
 Associate Professor of Anesthesia
 Department of Anesthesiology
 Brigham & Women's Hospital and Harvard Medical School
 Boston, MA

Learner Objectives:

PANELS — HOSPITALITY A/B

3:00 - 4:30 ASCCA - INTRAOPERATIVE VENTILATOR

MANAGEMENT: WHAT TO DO AND HOW TO DO IT



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

Peter Rock, MD, MBA, FCCM
 Martin Helrich Professor and Chair,
 Department of Anesthesiology
 University of Maryland School of Medicine
 Baltimore, Maryland

Avery Tung, MD
 Associate Professor
 Director, Critical Care Services, Burn Unit
 Department of Anesthesia and Critical Care
 University of Chicago
 Chicago, IL

Learning Objectives: 1) Review studies addressing ventilator management and patient outcomes in patients with and without acute lung injury; 2) Discuss limitations in application of these data to various intraoperative patient populations; 3) Provide an update on current anesthesia machine ventilators and how to accomplish various ventilation strategies.

**IARS ANESTHESIOLOGY TEACHING
RECOGNITION AWARD SESSION
GRAND BALLROOM B • 3:00-4:30**

Moderator: James G. Ramsay – *Chair, IARS Anesthesiology Teaching Award Recognition Award Committee*

Learner Objective: The IARS Anesthesiology Teaching Recognition Award session will provide the attendee with insights from outstanding educators.

2007 Recipient – Achievement

David M. Gaba, MD – Stanford University School of Medicine, Palo Alto, CA

2007 Recipient – Innovation

Klaus Hahnenkamp, MD, PhD – University of Muenster, Germany

Honorable Mention

Loran Alfy Mounir Soliman, MD – Cleveland Clinic, Cleveland, OH

Andranik Ovassapian, MD – University of Chicago, Chicago, IL

James H. Philip, MD – Brigham and Women’s Hospital and Harvard Medical School, Boston, MA

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM
POSTERS DISPLAYED 8:00-4:30**

Discussion Time: 8:00–9:30	Page
Cardiothoracic and Vascular-Basic Science – 1	25
Bleeding / Blood Product Conservation	25
Pediatric Anesthesia – 1	26
Pharmacology-Basic Science – 1	26

Discussion Time: 10:15–11:45	Page
OB/GYN	27
Pediatric Anesthesia – 2	27
Pharmacology-Basic Science – 2	28
Cardiothoracic and Vascular-Basic Science – 2	28

Discussion Time: 3:00–4:30	Page
Challenging Case Reports – 1	29
Liver / Transplantation	29
Pharmacology-Basic Science – 3	30
Pharmacology-Clinical – 2	30

**AIRWAY
WORKSHOP – W03**

8:00 - 11:00 – SEA CLIFF ROOM

Michael Walsh, MD

Assistant Professor in Anesthesia
Mayo Clinic College of Medicine
Rochester, MN

Brian Hall, MD

Mayo Clinic College of Medicine
Rochester, MN

Craig Kluck, CRNA, MA

Mayo Clinic College of Medicine
Rochester, MN

Timothy Long, MD

Mayo Clinic College of Medicine
Rochester, MN

Eric Moore, MD

Mayo Clinic College of Medicine
Rochester, MN

Dave Rettler, CRNA

Mayo Clinic College of Medicine
Rochester, MN

Gurinder Vasdev, MD, FRCA

Mayo Clinic College of Medicine
Rochester, MN

Thomas Wass, MD

Mayo Clinic College of Medicine
Rochester, MN

Barry A. Harrison, MB, BS

Mayo Clinic College of Medicine
Jacksonville, FL

Ashu Wali, MD, FFARCSI

Baylor College of Medicine
Houston, TX

Martin L. De Ruyter, M.D.

Kansas University Medical Center
Kansas City, KS

Learner Objectives: The airway workshop is designed to offer hands on experience with a number of techniques in the management of the difficult airway. Indications, contraindications, and practical tips will be discussed for each airway device and technique.

**TEE BASIC
WORKSHOP – W04
10:15 - 12:15 – SEA CLIFF ROOM**

Roman Sniecinski, MD
Assistant Professor of Anesthesiology
Department of Anesthesiology
Division of Cardiothoracic Anesthesia
Emory School of Medicine
Atlanta, GA

Michael K Cahalan, MD
Professor and Chairman
Department of Anesthesiology
University of Utah Medical Center
Salt Lake City, UT

William Whitley, MD
Division of Cardiothoracic Anesthesia
Emory University Hospital
Atlanta, GA

Learner Objectives: After attending the session, the participant should
1) Understand the basic physics behind ultrasound image formation;
2) Know the technique and contraindications for TEE probe placement;
3) be familiar with basic views obtained with TEE; 4) be familiar with certain features on the ultrasound machine related to image acquisition;
5) understand how TEE can be used in clinical decision making in the operating room.

**VASCULAR ACCESS ULTRASOUND
WORKSHOP – W05
3:00 - 5:00 – SEA CLIFF ROOM**

NavParkash S. Sandhu, MD
Associate Clinical Professor
University of California, San Diego
San Diego, CA

Levon Capan, MD
Professor of Anesthesiology
New York University
New York, NY

Christopher Kent, MD
Assistant Professor
New York University Medical Center
New York, NY

Deepal Sidhu, MD
Instructor
Massachusetts General Hospital
Boston, MA

Ken B. Johnson, MD
Assistant Professor, Learned Family Associate
Professorship
Director, Center for Human Simulation
University of Utah
Salt Lake City, UT

Dalia A. Banks, MD
Assistant Clinical Professor
University of California San Diego
San Diego, CA

Susan T. Verghese, MD
Director of Cardiac Anesthesia; Children's Medical Center
Professor of Anesthesiology and Pediatrics
Washington, DC

Santhanam Suresh, MD
Director of Research
Children's Memorial Hospital
Associate Professor of Anesthesiology & Pediatrics
Northwestern University, Feinberg School of Medicine
Chicago, IL
Disclosure: Sonosite Inc, Organon Inc.

Learner Objectives:

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Cardiothoracic & Vascular-Basic Science – 1
Abstracts in Poster Discussion Round: S-17 – S-23
Presenters in attendance 8:00 – 9:30

PR02-13

Poster Moderators:

Sherif Afifi, MD, Northwestern University School of Medicine, Chicago, IL
Chris McQuitty, MD, University of Texas, Galveston, TX

Learner Objective: To increase understanding of scientific principles of cardiothoracic and vascular physiology and pharmacology.

***S-17** **CYTOSKELETAL REMODELING OF DESMIN IS A MORE ACCURATE MEASURE OF CARDIAC DYSFUNCTION THAN FIBROSIS OR MYOCYTE HYPERTROPHY IN OVINE HEART FAILURE**

**

G. Monreal, B. Han, M. S. Joshi, A. B. Phillips, J. A. Bauer, M. A. Gerhardt;
The Ohio State University, Columbus, OH; Columbus Children's Research Institute, Columbus, OH; The Heart Center, Columbus Children's Hospital, Columbus, OH

S-18 **SPATIAL HETEROGENEITY OF THE MAPK SIGNALING CASCADES IN AN OVINE MODEL OF HEART FAILURE**

G. Monreal, M. A. Gerhardt;
The Ohio State University, Columbus, OH

S-19 **HELIUM-INDUCED EARLY PRECONDITIONING IS ABOLISHED IN OBESE ZUCKER RATS IN VIVO**

R. Huhn, A. Heinen, N. Weber, M. Hollmann, W. Schlack, **B. Preckel**;
Academic Medical Center (AMC), Amsterdam, Netherlands

S-20 **THE EFFECTS OF ENDOTHELIN-1 ON [CA²⁺]_i IN RABBIT CARDIAC MYOCYTES DURING METABOLIC INHIBITION**

F. Li, Z. Su, W. H. Barry;
Department of Anesthesiology, SUNY Upstate Medical University, Syracuse, NY; Department of Integrative Pharmacology, Abbott Laboratories, Abbott Park, IL; Cardiology Division, University of Utah, Salt Lake City, UT

S-21 **HELIUM INDUCES LATE PRECONDITIONING IN THE RAT HEART IN VIVO - IMPACT OF CONCENTRATION AND REPEATED ADMINISTRATION**

R. Huhn, A. Heinen, N. Weber, M. Hollmann, W. Schlack, **B. Preckel**;
Academic Medical Center (AMC), Amsterdam, Netherlands

S-22 **EFFECTS OF PROPOFOL ON POTASSIUM CURRENTS IN ARTERY SMOOTH MUSCLES OF RATS**

Y. Jiang, L. Xu, H. Zhang;
PLA General Hospital, Beijing, China

S-23 **BRIEF SYSTEMIC HYPOTENSION RESULTS IN BEHAVIORAL DEFICITS AND PROGRESSIVE NEURONAL LOSS IN RATS**

E. R. Chaparro, R. A. Karlinski, A. Hansoti, L. Zhang, E. M. Camporesi, D. Mangar;
University of South Florida, Tampa, FL

Bleeding / Blood Product Conservation
Abstracts in Poster Discussion Round: S-8 – S-15
Presenters in attendance 8:00 – 9:30

PR02-14

Poster Moderators:

Robert Craft, MD, University of Tennessee, Louisville, TN
Ibtesam A. Hilmi, MD, University of Pittsburgh, Pittsburgh, PA

Learner Objective: To understand recent pharmaceutical and other advances related to the conservation of blood and blood products.

***S-8** **CHANGE IN MEDICAL PRACTICE: REDUCING OPERATING ROOM BLOOD PRODUCT WASTAGE AND COST**

**

J. R. Bruns, B. Pittman, L. Nelson, L. Lind, S. Lisco;
University of Cincinnati, Cincinnati, OH

S-10 **DECREASING APROTININ UTILIZATION MAY NOT LEAD TO INCREASED BLOOD PRODUCT UTILIZATION**

Z. Y. Strouch, **M. A. Chaney**, M. L. Drum;
University of Chicago, Chicago, IL

S-11 **DOES HBOC-201 (HEMOPURE®) AFFECT PLATELET FUNCTION IN ORTHOPEDIC SURGERY: A SINGLE SITE ANALYSIS**

J. S. Jahr, H. Liu, A. Gull, M. Moallempour, J. Lim, R. Gosselin
David Geffen School of Medicine at UCLA, Los Angeles, CA; UC Davis School of Medicine, Sacramento, CA; College of Letters and Science, UCLA, Los Angeles, CA
Disclosure: Biopure Corporation; Daniella Markovic.

S-12 **TOTAL JOINT ARTHROPLASTY: BLOOD MANAGEMENT AND POSTOPERATIVE OUTCOME**

L. Pulido, K. Gandhi, J. Wei, I. Pawasarat, E. Viscusi, J. Parvizi;
Rothman Institute at Thomas Jefferson University, Philadelphia, PA; Anesthesiology Department, Thomas Jefferson University, Philadelphia, PA

S-13 **BLOOD CONSERVATION IN ELECTIVE ARTHROPLASTY: WHAT IS THE ROLE OF PREOPERATIVE AUTOLOGOUS DONATION?**

J. Parvizi, S. Chaudhry, L. Pulido, K. Gandhi, E. Viscusi;
Rothman Institute at Thomas Jefferson University, Philadelphia, PA; Anesthesiology Department at Thomas Jefferson University, Philadelphia, PA
Disclosure: Stryker Orthopaedics; Stryker Orthopaedics.

S-14 **IS BLOOD LACTATE LEVEL REASONABLE PARAMETER TO START RED BLOOD CELL TRANSFUSION?**

T. Kaneda, T. Suzuki, T. Yoshino, K. Mizusawa;
Department of Anesthesiology, Tokai University School of Medicine, Isehara, Japan

S-15 **IMPAIRED PLATELET FUNCTION AND RISTOCETIN DEPENDENT AGGREGATION IN OUT-PATIENTS WITH LEFT VENTRICULAR ASSIST DEVICES (LVAD)**

B. Steinlechner, B. Jilma, B. Birkenberg, E. Base, H. Koinig, M. Dworschak;
University Hospital Vienna, Vienna, Austria

SUNDAY, MARCH 30

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Pediatric Anesthesia – 1
Abstracts in Poster Discussion Round S-169 – S-175
Presenters in attendance 8:00 – 9:30

PR02-15

Poster Moderators:

Susan T. Verghese, MD, Children's National Medical Center,
Washington, DC

Raafat Hannallah, MD, Children's National Medical Center,
Washington, DC

Learner Objective: To understand selected advances in pediatric anesthesia.

*****S-169 EFFECT OF DEXMEDETOMIDINE ON NEUROPHYSIOLOGIC MONITORING DURING SPINAL SURGERY (EEG, TIBIAL SOMATOSENSORY AND LOWER EXTREMITY TRANSCRANIAL ELECTRICAL MOTOR EVOKED POTENTIALS, F-RESPONSES AND H-REFLEXES)**

*G. M. Cramolini, R. E. Leppanen, L. G. Smithson;
East Tennessee Children's Hosp., Knoxville, TN*

S-170 ANESTHESIA FOR PET IMAGING OF GABA RECEPTORS

*J. K. Labovsky, W. Theodore, I. Dustin, N. Miao,
Z. Quezado;
National Institutes of Health, Bethesda, MD*

S-171 A REVISED PEDIATRIC EMERGENCE DELIRIUM SCALE FOR INFANTS AND CHILDREN

*C. R. Galiza, A. Kakavouli, S. S. Lo, J. B. Sobol,
M. P. Carson, L. S. Sun;
Columbia University, New York, NY*

S-172 ASSESSING THE FEASIBILITY AND SAFETY OF PERCUTANEOUS NEEDLE CRICOTHYROTOMY FOR INFANTS AND TODDLERS USING A PIGLET MODEL

*K. D. Matlock;
Scott & White Memorial Hospital, Temple, TX*

S-173 VARIATIONS IN BODY TEMPERATURE AFTER BRAIN AND CARDIAC MAGNETIC RESONANCE IMAGING (MRI) IN CHILDREN SEDATED WITH PROPOFOL

*C. Abdallah;
Children's National Medical Centre, Washington, DC
Disclosure: Supported by a grant from Medrad (Medrad Inc. Indianola, PA).*

S-174 THE EFFECT OF ONDANSETRON ON THE EMERGENCE AGITATION AFTER SEVOFLURANE ANESTHESIA IN PEDIATRIC PATIENTS UNDERGOING TONSILLECTOMY

*K. Lee, S. Cheong, S. Lim, Y. Kim, J. Lee, S. Lee;
InJe University Busan Paik Hospital, Busan,
Republic of Korea*

S-175 PERCEPTIONS OF PAIN MANAGEMENT IN A CHILDREN'S HOSPITAL

*C. C. Menser, T. Luckett, G. C. Marcou, J. K. Deshpande;
Vanderbilt Medical Center, Nashville, TN*

Pharmacology-Basic Science – 1
Abstracts in Poster Discussion Round: S-183 – S-190
Presenters in attendance 8:00 – 9:30

PR02-16

Poster Moderators:

Jerome Parness, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA
Samrat Worah, MD, SUNY Downstate Medical Center, New York, NY

Learner Objective: To review and understand advances in basic pharmacology.

***S-183 REGULATION OF α 2C ADRENERGIC RECEPTOR CELL SURFACE EXPRESSION BY ITS AMINO TERMINAL DOMAIN**

*C. Hurt, B. Kobilka, T. Angelotti;
Stanford University, Stanford, CA*

S-184 CONVENTIONAL O₂ LEVELS USED FOR RAT HIPPOCAMPAL SLICES MAY BE NEUROTOXIC

*C. Quiroga del Rio, M. Matott, D. P. D'Agostino,
E. M. Camporesi, J. B. Dean;
University of South Florida, Tampa, FL
Disclosure: Naval Research Grant.*

S-185 ESTIMATION OF ED₅₀ OF NEUROMUSCULAR BLOCKING DRUGS: COMPARISON OF LOG DOSE REGRESSION ANALYSIS WITH THE ESTIMATES OF POTENCY FROM A SINGLE OBSERVATION IN A SUBJECT

*S. B. Bhatt, J. Kohl, A. Amann, V. Nigrovic;
University of Toledo Medical Center, Toledo, OH, University
of Innsbruck, Innsbruck, Austria*

S-186 HALOTHANE AND SEVOFLURANE EXERT DIFFERENT DEGREES OF INHIBITION ON CAROTID BODY GLOMUS CELL HYPOXIC RESPONSE

*J. J. Pandit, K. Buckler
John Radcliffe Hospital, Oxford, United Kingdom;
Department of Physiology, Anatomy & Genetics, Oxford,
United Kingdom*

S-187 EFFECT OF COCAINE ON SOS1 AND SOS2 EXPRESSION IN THE RAT STRIATUM IN VIVO

*T. Dunganani, G. Zhang, E. E. Fibuch, J. Q. Wang;
Univ of Missouri-Kansas City Sch of Med, Kansas City, MO*

S-188 EFFECTS OF PHOSPHODIESTERASE (PDE) INHIBITORS ON RAT BRONCHIAL SMOOTH MUSCLE CONTRACTION

*M. Hanazaki, M. Yokoyama, K. Morita, A. Kohjitani,
Y. Chiba, M. Misawa;
Okayama University Medical School, Okayama, Japan,
Kagoshima University Graduate School of Medical and
Dental Sciences, Kagoshima, Japan, Hoshi University,
Tokyo, Japan*

S-189 DIFFERENTIAL EFFECTS OF OPIATES IN THE FELINE PULMONARY VASCULAR BED

*A. D. Kaye, A. Fields, A. Bajwa, J. Hoover;
LSU School of Medicine, New Orleans, LA, Yale School
of Medicine, New Haven, CT, Mayo School of Medicine,
Rochester, MN
Disclosure: Baxter.*

S-190 NEUROMUSCULAR BLOCK (NMB)-VERSUS-DOSE RELATIONSHIP: A POSSIBLE INTERPRETATION OF THE EXPONENT IN THE HILL EQUATION

*V. Nigrovic, S. B. Bhatt, A. Amann;
College of Medicine, University of Toledo, Toledo, OH*

* Best of Meeting

** Best of Section

*** Kosaka Session

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

OB/GYN

Abstracts in Poster Discussion Round: S-140 – S-144
Presenters in attendance 10:15 – 11:45

PR02-17

Poster Moderators:

Arthur Calimaran, MD, University of Mississippi Medical Center, Jackson, MS
Philipp Lirk, MD, University of Innsbruck, Innsbruck, Austria

Learner Objective: To understand selected advances in obstetric anesthesia.

S-140 POST-PARTUM NEUROPATHY FOLLOWING EPIDURAL ANALGESIA: RESULTS OF A QUALITY ASSURANCE ANALYSIS

*R. P. Driver, A. L. Criser, C. D. Willoughby;
West Virginia University, Morgantown, WV*

***S-141 A COMPARISON BETWEEN COMBINED SPINAL-EPIDURAL ANESTHESIA (CSE) WITH OR WITHOUT EPIDURAL SALINE ADMINISTRATION FOR CESAREAN SECTION (C/S)**

*S. Shah, S. Cohen, C. W. Hunter, V. Cirella, D. New, J. Cebula;
UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ*

S-142 INCIDENCE OF FELLOWSHIP ANAESTHETISTS ON MATERNAL ANESTHESIA RELATED MORBIDITY AND MORTALITY

*Z. Haddad, R. Souissi, N. Baffoun, K. Baccar, C. Kaddour, H. Maghrebi
National Institute of Neurology, La Rabta, Tunisia;
Maternity and Neonatology Center, La Rabta, Tunisia*

S-143 EFFICACY OF EPIDURAL ANALGESIA AT LOWER THORACIC LEVEL WITH ROPIVACAINE FOR POST-CAESAREAN ANALGESIA

*T. Ueda, K. Moriyama, S. Kosugi, Y. Osaka, J. Takeda;
School of Medicine Keio University, Tokyo, Japan*

S-144 CARDIAC ARREST DUE TO ABDOMINAL COMPARTMENT SYNDROME AFTER PACKING REMOVAL IN HEMORRHAGIC DELIVERY SURGEY

*K. Baccar, W. Trabelsi, R. Souissi, Z. Haddad, N. Baffoun, C. Kaddour;
National Institute of Neurology, La Rabta, Tunisia*

Pediatric Anesthesia – 2

Abstracts in Poster Discussion Round: S-177 – S-182
Presenters in attendance 10:15 – 11:45

PR02-18

Poster Moderators:

Claude Abdallah, MD, Children's National Medical Centre, Washington, DC
Jerome Parness, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA

Learner Objective: To understand selected advances in pediatric anesthesia.

S-177 ANESTHETIC MANAGEMENT OF PATIENTS WITH NIEMANN-PICK TYPE C DISEASE (NPC)

*N. Miao, X. Lu, F. Porter, N. Yanjanin, Z. Quezado;
Anesthesia and Surgical Service, Clinical Center, NIH, Bethesda, MD; Clinical Center, NIH, Bethesda, MD;*

S-178 EPIDEMIOLOGIC ASPECTS OF OFFSITE AND ONSITE ANESTHESIA IN CHILDREN

*A. Kakavouli, J. Sobol, C. Lin, G. Li, S. Ohkawa, L. Sun;
Department of Anesthesiology, Columbia University, New York, NY; Department of Epidemiology, Columbia University, New York, NY; Department of Anesthesiology and Pediatrics, Columbia University, New York, NY*

S-179 THE INCIDENCE OF DIFFICULT AIRWAY IN CHILDREN: IS IT REALLY RARE OR DOES IT NEED TO BE WELL DONE?

*N. Yareni, N. Gomez, L. K. Hoke, Y. F. Bryan;
Hospital Infantil de Mexico Federico Gomez, Mexico City, Mexico; Cincinnati Children's Hospital, Cincinnati, OH*

S-180 ENVIRONMENTAL TOBACCO SMOKE AS A RISK FACTOR FOR PEDIATRIC AIRWAY COMPLICATIONS IN THE PERIOPERATIVE SETTING

*E. A. Wolf, B. Nossaman;
Ochsner Clinic Foundation, New Orleans, LA*

S-181 PERFORMING THE MALLAMPATI AIRWAY EXAM IN CHILDREN: DOES COOPERATION MEAN CORRELATION IN PREDICTING THE DIFFICULT AIRWAY?

*N. Yareni, L. K. Hoke, Y. F. Bryan, N. Gomez;
Hospital Infantil de Mexico Federico Gomez, Mexico City, Mexico; Cincinnati Children's Hospital Medical Center, Cincinnati, OH*

S-182 THE USE OF THE PROSEAL® LMA IN PRESCHOOL CHILDREN WITH CYSTIC FIBROSIS UNDERGOING HIGH RESOLUTION CHEST CT SCANS

*S. Sullivan, L. K. Hoke, S. Powers, A. Brody, Y. Bryan;
Cincinnati Children's Hospital, Cincinnati, OH*

SUNDAY, MARCH 30

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Pharmacology-Basic Science – 2
Abstracts in Poster Discussion Round: S-191 – S-198
Presenters in attendance 10:15 – 11:45

PR02-19

Poster Moderators:

Tom C. Krejcie, MD, Northwestern University, Chicago, IL
Pamela Flood, MD, Columbia University, New York, NY

Learner Objective: To review and understand advances in basic pharmacology.

- ***S-191 INHALED ANESTHETICS ACTIVATE TRPA1 HETEROLOGOUSLY EXPRESSED IN HEK CELLS**
C. Chu, M. A. Schumacher, N. W. Bunnnett, H. Eilers;
University of California, San Francisco, San Francisco, CA
- S-192 METHYLNALTREXONE (MNTX) ATTENUATED PROTEASE INHIBITOR INDUCED NAUSEA/VOMITING IN A RAT PICA MODEL**
C. Yuan, C. Wang, S. Mehendale, H. Aung, R. Israel
The University of Chicago, Chicago, IL, Progenics Pharmaceuticals, Tarrytown, NY
- S-193 CREATININE CLEARANCE CALCULATION IN PERIOPERATIVE PATIENTS WITH VARYING BODY MASS INDEX: A COMPARISON OF TWO FORMULAS: COCKROFT-GAULT VERSUS MODIFICATION OF DIET IN RENAL DISEASE**
G. D'souza, E. R. Viscusi;
A I Dupont Hospital for Children, Wilmington, DE;
Thomas Jefferson University, Philadelphia, PA
- S-194 EVIDENCE OF PALONOSETRON'S MOLECULAR DIFFERENTIATION DISTINGUISH IT AS A UNIQUE ANTINAUSEA AND ANTIEMETIC AGENT**
C. Rojas, J. Zhang, E. B. Rubenstein, S. Cantoreggi, B. S. Slusher;
MGI PHARMA, Baltimore, MD; MGI PHARMA, Bloomington, MN; Helsinn Healthcare SA, Lugano, Switzerland
Disclosure: MGI PHARMA.
- S-195 EFFECTS OF VOLATILE ANESTHETICS ON CAROTID BODY RESPONSE TO HYPOXIA AND HYPERCAPNIA IN ANIMAL STUDIES**
J. J. Pandit, K. O'Gallagher;
John Radcliffe Hospital, Oxford, United Kingdom
- S-196 ACROLEIN IMPAIRS THE MOVEMENT OF ISOFLURANE FROM LIPID TO SOLUBLE PROTEIN**
J. E. Johnson, E. E. Fibuch, N. W. Seidler;
University of Missouri - Kansas City School of Medicine, Kansas City, MO, Kansas City University of Medicine and Biosciences, Kansas City, MO
- S-197 OPTIMIZATION OF ADLEA EXPOSURE TIME IN RAT PAW INCISION MODEL**
D. Liang, W. Williamson, D. Phan, P. Chiechi, S. Kramer, L. Sangameswaran;
Anesiva, South San Francisco, CA
- S-198 "CAINE" CATCHER**
R. Glassenberg, R. Eckenhoff;
Northwestern University, Chicago, IL, University of Pennsylvania, Philadelphia, PA

Cardiothoracic & Vascular-Basic Science – 2
Abstracts in Poster Discussion Round: S-24 – S-29
Presenters in attendance 10:15 – 11:45

PR02-20

Poster Moderator:

Sugantha Sundar, MD, Harvard, Boston, MA

Learner Objective: To increase understanding of scientific principles of cardiothoracic and vascular physiology and pharmacology.

- S-24 DEXMEDETOMIDINE PROTECTS AGAINST RADIOCONTRAST NEPHROPATHY IN MICE**
F. T. Billings, S. Chen, M. Kim, J. Song, S. Wang, V. D'Agati, H. T. Lee;
Columbia University College of Physicians and Surgeons, New York, NY
- S-25 ACUTE METHADONE TREATMENT REDUCES INFARCT SIZE IN RATS DURING REPERFUSION AND IS RAT STRAIN SPECIFIC**
E. R. Gross, A. K. Hsu, G. J. Gross;
Medical College of Wisconsin and St Joseph's Medical Center, Milwaukee, WI, Medical College of Wisconsin, Milwaukee, WI
- S-26 REMIFENTANIL PRECONDITIONING ATTENUATES MYOGLOBIN RELEASE EVOKED BY MYOCARDIAL ISCHEMIA AND REPERFUSION**
F. Komak, H. Kitagawa, T. Yamazaki, T. Akiyama;
Kohka Public Hospital, Koka, Japan; Shiga University of Medical Science, Otsu, Japan; National Cardiovascular Center Research Institute, Suita, Japan
- S-27 INHIBITION OF GLYCOGEN SYNTHASE KINASE LOWERS THE THRESHOLD FOR HELIUM-INDUCED CARDIOPROTECTION IN RABBITS**
Y. H. Shim, D. Wehrauch, D. C. Warltier, P. F. Pratt, P. S. Page;
Medical College of Wisconsin, Milwaukee, WI
- S-28 TIMING AND DURATION OF EXPOSURE TO SEVOFLURANE EFFECTIVE IN PROTECTING CARDIAC ISCHEMIA-REPERFUSION INJURY IN RABBITS**
H. Kitagawa, T. Yamazaki, T. Akiyama, F. Komaki;
Shiga University of Medical Science, Shiga, Japan, National Cardiovascular Center Research Institute, Osaka, Japan
- S-29 PHAGOCYtic UROKINASE-RECEPTOR DRIVES LEUKOCYTE RECRUITMENT DEFECT IN α -PAR DEFICIENT MICE**
J. Larmann, T. Frenzel, S. Calmer, C. Herzog, C. Bremer, G. Theilmeyer;
Department of Anesthesiology, Medical University Hannover, Hannover, Germany; Department of Anesthesiology and Intensive Care Medicine, University Hospital Münster, Münster, Germany; Department of Clinical Radiology, University Hospital Münster, Münster, Germany

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Challenging Case Reports – 1
Abstracts in Poster Discussion Round
Presenters in attendance 3:00 – 4:30

PR02-21

Poster Moderators:

Fred E. Shapiro, MD, Beth Israel Deaconess Medical Center,
Boston, MA
Derek Sakata, MD, University of Utah School of Medicine,
Salt Lake City, UT

Learner Objective: To review medical management of unusual or difficult cases encountered in anesthesia practice.

- *1313 TRIGEMINO-CARDIAC REFLEX MANIFESTING AS A COMPLICATION IN THE POST-ANESTHESIA CARE UNIT (PACU)**
L. Hemmer, S. Afifi;
Northwestern U. School of Medicine, Chicago, IL
- 1209 THE MCGRATH VIDEOLARYNGOSCOPE: A USEFUL DEVICE IN THE MANAGEMENT OF A DIFFICULT AIRWAY IN THE ICU**
K. M. Richardson, E. C. Behringer;
Cedars Sinai Medical Center, Los Angeles, CA
- 1041 TRANSIENT VISION LOSS FOLLOWING ROTATOR CUFF REPAIR UNDER INTERSCALENE BLOCK AND GENERAL ANESTHESIA**
H. Singh, M. Wanamaker;
University of Texas Medical Branch, Galveston, TX
- 1205 RECURRENT RESPIRATORY PAPILLOMATOSIS PRESENTING AS ACUTE AIRWAY OBSTRUCTION AFTER INDUCTION OF ANESTHESIA**
O. Gusakov;
Boston Medical Center, Boston, MA
- 1102 AGGRESSIVE FLUID HYDRATION IN SIRS / SEPSIS**
A. J. Donald, B. Nosaman;
Ochsner Clinic Foundation, New Orleans, LA
- 1297 MONITORING INFERIOR VENA CAVA PRESSURE DURING LIVER TRANSPLANTATION: A DIAGNOSTIC TOOL**
L. F. Maracajá-Neto, A. Couto, G. Gouveia, E. S. Fernandes, J. Ribeiro, M. A. Lessa;
UF RJ, Rio de Janeiro, Brazil; FIOCRUZ, Rio de Janeiro, Brazil

Liver / Transplantation
Abstracts in Poster Discussion Round: S-126 – S-131
Presenters in attendance 3:00 – 4:30

PR02-22

Poster Moderator:

Timothy Angelotti, MD, Stanford University, Stanford, CA

Learner Objective: The participant will learn about current research on patients undergoing liver surgery, especially liver transplantation.

- *S-126 IDENTIFYING POTENTIAL PREOPERATIVE PREDICTORS OF ADVERSE POSTOPERATIVE OUTCOMES IN ORTHOTOPIC LIVER TRANSPLANTATION: A RETROSPECTIVE ANALYSIS**
I. E. Gault, R. E. Carter, A. E. Herrin, M. D. McEvoy;
Medical University of South Carolina, Charleston, SC
- S-127 ANESTHETIC COMPLICATIONS AND MORBIDITY IN LIVING LIVER DONOR SURGERY**
D. Beebe, J. Jochman, P. Luikart, H. Singh, R. Gruessner, K. Belani;
University of Minnesota, Minneapolis, MN
- S-128 PATIENTS WITH HEPATOCELLULAR CARCINOMA WITH PREVIOUS TRANS ARTERIAL CATHETER EMBOLIZATION TREATMENT ARE NOT AT HIGHER RISK OF HYPERKALEMIA DURING HEPATECTOMY FOR LIVER TRANSPLANTATION**
S. Roy, G. Neelakanta, M. Braunfeld, V. Xia;
David Geffen School of Medicine at UCLA, Los Angeles, CA
- S-129 HOW FARE CAN WE GO WITH PEEP IN LIVER TRANSPLANT PATIENTS?**
F. H. Saner, S. Oldedamink, G. Pavlakovic, G. Sotiropoulos, A. Radtke, C. E. Broelsch;
University Essen, Essen, Germany; University Maastricht, Maastricht, Netherlands Antilles; University Goettingen, Goettingen, Germany; University Essen, Essen, Germany
- S-130 INTRAOPERATIVE ASSESSMENT OF TRANSPLANT PANCREAS ALLOGRAFT FUNCTION AS A MEASURE FOR TRANSPLANT OUTCOME**
J. A. Good, S. Kinsella, K. A. Levin, M. M. Nobari, R. S. Mangus, J. A. Fridell;
Indiana University School of Medicine, Indianapolis, IN
- S-131 USE OF APROTININ IN INTESTINAL TRANSPLANTATION**
M. M. Nobari, S. B. Kinsella, R. Ward, J. A. Good, R. S. Mangus, R. Vianna;
Indiana University School of Medicine, Indianapolis, IN

SUNDAY, MARCH 30

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Pharmacology-Basic Science – 3
Abstracts in Poster Discussion Round: S-200 – S-205
Presenters in attendance 3:00 – 4:30

PR02-23

Poster Moderators:

Marcel E. Durieux, MD, UVA Health System, Charlottesville, VA
Philipp Lirk, MD, University of Innsbruck, Innsbruck, Austria

Learner Objective: To review and understand advances in basic pharmacology.

- S-200 A PIGLET MODEL OF CYANIDE TOXICITY**
H. Singh, D. Beebe, T. E. Reihsen, H. Pham, S. E. Patterson, K. G. Belani;
University of Minnesota, Minneapolis, MN
- S-201 METHYLNALTREXONE-INDUCED RECEPTOR TYROSINE PHOSPHATASE MU (RPTP μ) ACTIVATION REGULATES ENDOTHELIAL CELL PERMEABILITY**
P. A. Singleton, J. G. Garcia, J. Moss;
University of Chicago, Chicago, IL
Disclosure: Progenics Pharmaceuticals; Progenics Pharmaceuticals.
- ***S-202 RAPID ISCHEMIC PRECONDITIONING ATTENUATES MITOCHONDRIAL MEMBRANE DEPOLARIZATION EVOKED BY OXYGEN GLUCOSE DEPRIVATION IN RAT NEURONAL CELLS**
M. Shizukuishi, S. Yamada, N. Matsuoka, H. Ishida, Y. Kobayashi, T. Kazama;
National Defence Medical College, Saitama, Japan, Tokai University School of Medicine, Kanagawa, Japan
- S-203 DEXMEDETOMIDINE EXTENSION OF LOCAL ANESTHETIC EFFECT OF BUPIVACAINE IN A PERIPHERAL NERVE BLOCK IN RATS**
J. C. Petruska, R. Trainer, P. A. Seidman, P. S. Glass, R. G. Soto;
Stony Brook University, Stony Brook, NY; Beaumont Hospital, Royal Oak, MI
- S-204 A COMPUTATIONAL STUDY OF NETWORK MECHANISMS MEDIATING ANESTHESIA-INDUCED PARADOXICAL EXCITATION**
M. M. McCarthy, N. Kopell, E. Brown;
Boston University, Brockton, MA, Boston University, Boston, MA
- S-205 EFFECTS OF ROPIVACAINE AND BUPIVACAINE ON GLUTAMATE CURRENTS IN CULTURED RAT HIPPOCAMPAL NEURONS**
L. Xu, Y. Jiang, H. Zhang;
PLA General Hospital, Beijing, China

Pharmacology-Clinical – 2
Abstracts in Poster Discussion Round: S-214 – S-221
Presenters in attendance 3:00 – 4:30

PR02-24

Poster Moderators:

Pamela Flood, MD, Columbia University, New York, NY

Learner Objective: To discuss advances in pharmacokinetics and pharmacodynamics of agents used in the operating room and perioperative period.

- S-214 ROPIVACAINE EXERTS ITS PROTECTIVE EFFECT IN ENDOTOXIN-MEDIATED LUNG INJURY VIA MECHANISMS OTHER THAN ICAM-1 INHIBITION**
R. Koshy, E. Votta-Velis, M. Castellon, R. Minshall;
University of Illinois, Chicago, IL
- S-215 SAFETY AND EFFICACY OF DEXMEDETOMIDINE USED FOR SEDATION DURING ELECTIVE AWAKE FIBEROPTIC INTUBATION: THE MULTICENTER TRIAL**
S. Bergese, K. Candiotti, A. Zura, P. Bokesch, A. Bekker;
The Ohio State University, Columbus, OH; University of Miami, Miami, FL; Cleveland Clinic Foundation, Cleveland, OH; Hospira Worldwide, Inc., Lake Forest, IL; New York University, New York, NY
- S-216 EFFECT OF DEXMEDETOMIDINE USE ON POSTOPERATIVE NAUSEA AND VOMITING IN BARIATRIC SURGERY: A RETROSPECTIVE ANALYSIS**
J. J. Wright, R. E. Carter, A. R. Budak, T. K. Byrne, K. A. Morgan, M. D. McEvoy;
Medical University of South Carolina, Charleston, SC
- S-218 SUGAMMADEX REVERSES NEUROMUSCULAR BLOCKADE AFTER CONTINUOUS INFUSION OF ROCURONIUM IN PATIENTS UNDER SEVOFLURANE OR PROPOFOL MAINTENANCE ANESTHESIA**
S. Wagner, F. K. Pühringer, C. Spies, J. Scholz, M. Heeringa, H. Wulf;
University Hospital Marburg, Marburg, Germany; Klinik für Anästhesiologie und Operative Intensivmedizin, Klinikum am Steinenberg, Reutlingen, Germany; Anästhesiologie und Operative Intensivmedizin, University Hospital Charite, Berlin, Germany; Anästhesiologie und Operative Intensivmedizin, University Hospital, Kiel, Germany; Global Clinical Development, NV Organon, Oss, The Netherlands
- S-219 RESPIRATORY COMPROMISE PRECEDES ADEQUATE ANESTHESIA FOR ESOPHAGEAL INSTRUMENTATION WHEN USING REMIFENTANIL AND PROPOFOL COMBINATIONS**
B. R. Randall, K. B. Johnson, C. D. LaPierre, D. R. Westenskow, T. D. Egan;
University of Utah, Salt Lake City, UT
Disclosure: NIH Medical Student Summer Research Grant; Scott Laboratories.
- S-220 ECONOMICS OF RETURN OF PATIENTS WITH POSTOPERATIVE NAUSEA AND VOMITING: SHOULD WE TREAT ALL SURGICAL PATIENTS PROPHYLACTICALLY?**
T. Weaver, J. Johnston, D. Head, R. Dzwonczyk, S. Bergese;
The Ohio State University, Columbus, OH
- S-221 OFFSET / ONSET RATIO FOR MUSCLE RELAXANTS: CLINICAL ASSESSMENT FOR COMPARISON**
D. Steinberg, G. H. Steinberg;
Hospital Clinicas Caracas & Policlinica Mendez Gimon, Caracas, Venezuela; School of Medicine, Central University of Venezuela, Caracas, Venezuela

7:30 – 1:00 EXHIBITS – PACIFIC CONCOURSE
 7:30 – 8:00 CONTINENTAL BREAKFAST – PACIFIC CONCOURSE

**REVIEW COURSE LECTURES
 GRAND BALLROOM A**

8:00 - 8:45 R15 **NEUROLOGIC COMPLICATIONS OF PERIPHERAL NERVE BLOCKS**
Terese Horlocker, MD
 Professor of Anesthesiology
 Department of Anesthesiology
 Mayo Clinic
 Rochester, MN

Learner Objectives: Discuss the etiology, prognosis and management of nerve injury following peripheral blocks. Review techniques to decrease the severity and frequency of neurologic complications.

8:50 - 9:30 R16 **DOES PERIOPERATIVE GLYCEMIC CONTROL REALLY MATTER?**
Neal Cohen, MD, MPH
 Professor of Anesthesia and Medicine
 University of California, San Francisco
 San Francisco, CA

Learner Objectives: 1) Understand the basis for current practices for managing glucose during the perioperative period; 2) Interpret findings from recent studies on the benefits and risks associated with tight glycemic control in medical and surgical patients; 3) Be able to develop an evidence-based plan for glycemic control in the perioperative period.

10:15 - 11:00 R17 **MODIFYING RISK IN THE ASC: IS THERE REALLY ANY RISK TO ANYTHING WE DO?**
Davy Cheng, MD, MSc, FRCPC, FCAHS
 Professor & Chair
 Department of Anesthesia & Perioperative Medicine
 University of Western Ontario
 London, Ontario, Canada
 Disclosure:
 Research Funding Novo-Nordisk Inc, Organon Pharmaceuticals, Baxter Healthcare Corporation

Learner Objectives: The attendee will gain a firm understanding of the risks of ambulatory surgery and anesthesia to the extent that they can be determined at this time. The attendee will review aspects of risk disclosure and informed consent regarding ambulatory surgery. The attendee will review strategies intended to diminish risk in the ambulatory surgery setting.

11:05 - 11:45 R18 **ANESTHESIA FOR ENDOVASCULAR SURGERY**
Adrian Gelb, MB, ChB
 Professor
 Department of Anesthesiology
 University of California, San Francisco
 San Francisco, CA
 Disclosure: Funded Research: Hospira

Learner Objectives: After this lecture the attendee will understand: 1) the challenges of endovascular procedures done outside the OR complex 2) the anesthetic options and 3) the potential complications during the procedure.

**REVIEW COURSE LECTURES
 GRAND BALLROOM A**

1:00 - 1:45 R19 **THE FUTURE OF ANESTHETIC PHARMACOLOGY**
Steven Shafer, MD
 Professor of Anesthesiology
 Department of Anesthesiology
 Stanford University
 Palo Alto, CA
 Sponsored by: Organon, a part of Schering-Plough

Learner Objectives:

1:50 - 2:30 R20 **NITRIC OXIDE – RBC INTERACTIONS IN HEALTH AND DISEASE**
Steven Deem, MD
 Associate Professor of Anesthesiology and Medicine
 Program Director and Division Chief,
 Critical Care Medicine
 University of Washington
 Harborview Medical Center
 Seattle, WA

Learner Objectives:

3:00 - 3:45 R21 **PERIOPERATIVE PLANNING FOR THE PATIENT WITH LIVER DISEASE**
Robert Sladen, MD
 Vice Chairman and Professor of Anesthesiology
 Department of Anesthesiology
 Columbia University
 New York, NY

Learner Objectives: 1) Elucidate the regulation of blood flow to the liver and its alteration during anesthesia and by disease; 2) Explore the effects of anesthetics on liver function and the impact of liver disease on anesthetic pharmacology; 3) Enumerate the effects of end-stage liver disease on organ system function; 4) Discuss the approaches to risk assessment and decision-making in surgery for patients with cirrhosis; 5) Develop a plan for preoperative preparation and perioperative management.

3:50 - 4:30 R22 **THE ANESTHESIOLOGIST'S ROLE IN PERIOPERATIVE LUNG PROTECTION**
Peter Slinger, MD, FRCPC
 Professor of Anesthesia
 Department of Anesthesiology
 University of Toronto
 Toronto, Ontario, Canada

Learner Objectives: 1) The attendee should be able to develop a plan to avoid perioperative lung injury; 2) The attendee should be able to identify the types of patients with subclinical lung injury which can be exacerbated by improper management; 3) The attendee should be able to describe the principles involved in perioperative protective ventilation strategies.

MEET THE EXPERTS – GRAND BALLROOM B

8:00 – 9:30 POST-ANESTHETIC ACUTE LIVER FAILURE REQUIRING LIVER TRANSPLANTATION

Marie Csete, MD, PhD
 Chief Scientific Officer
 California Institute of Regenerative Medicine
 San Francisco, CA

Learner Objectives: 1) Develop a differential diagnosis for a patient with acute liver failure and recent surgery (performed in Central America)? 2) Learn the procedures for documenting that liver failure is due to an anesthetic; 3) Review the relationship between BIS, cerebral perfusion, and metabolic encephalopathies, the use and pitfalls in interpretation of EEGs in patients with acute liver disease.

10:15 – 11:45 PALLIATIVE MEDICINE: UNDERSTANDING THE NEWEST ABA SUBSPECIALTY

Paul A. Sloan, MD
 Department of Anesthesiology
 University of Kentucky
 Lexington, KY

Perry Fine, MD
 Professor
 Department of Anesthesiology
 University of Utah
 Vice President of Medical Affairs for the National Hospice and Palliative Care Organization
 Salt Lake City, UT

Charles F. von Gunten, MD, PhD, FACP
 Medical Director, Center for Palliative Studies
 University of California, San Diego
 San Diego, CA

Learner Objectives: 1) The attendee will understand the breadth and depth of the current subspecialty of Palliative Medicine; 2) The attendee will understand the current and future pathways that an anesthesiologist can take to gain subspecialty status in Palliative Medicine; 3) The attendee will know the outline and content format of the Palliative Medicine examination to be offered in September, 2008; 4) The attendee will learn techniques to manage cancer pain and non-pain symptoms commonly seen in the field of Palliative Medicine; 5) The attendee will learn the locations and content of the current fellowship programs offered in Palliative Medicine.

1:00 – 2:30 PERIPHERAL NERVE BLOCKADE – WE’VE COME A LONG WAY BABY!

Kayser Enneking, MD
 Associate Professor
 Department of Anesthesiology
 University of Florida College of Medicine
 Gainesville, FL

James Hebl, MD
 Clinical Anesthesia Research and Regional Anesthesia
 Mayo Graduate School of Medicine,
 Mayo Clinic
 Rochester, MN

Learner Objectives:

PANELS — GRAND BALLROOM C

8:00 - 9:30 SCA - UPDATE ON CPB MANAGEMENT



Christine T. Mora Mangano, MD, FAHA - Moderator
 Professor
 Department of Anesthesia
 Stanford University
 Stanford, CA

TEMPERATURE MANAGEMENT DURING CPB: IS THERE A STANDARD OF CARE IN 2008?

Alina Grigore, MD, MHS, FASE
 Associate Professor of Anesthesiology
 Mayo Clinic College of Medicine
 Phoenix, AZ

OPTIMIZING GLUCOSE MANAGEMENT IN CARDIAC SURGERY PATIENTS

Charles Hill, MD
 Stanford University
 Stanford, CA

MANAGEMENT OF ANTIFIBRINOLYTICS DURING CARDIAC SURGERY

Dennis T. Mangano, MD
 Ischemia Research/Education Foundation
 San Bruno, CA

Learner Objectives: 1) choose appropriate sites for measuring temperature during extracorporeal circulation; 2) prescribe optimal temperature management strategies during cardiopulmonary bypass; 3) manage perioperative glucose values in cardiac surgery patients; 4) prescribe drugs for the management of perioperative hemostasis in cardiopulmonary bypass patients.

10:15 - 11:45 SPA - PEDIATRIC ANESTHESIOLOGY UPDATE



CURRENT CONTROVERSIES IN PEDIATRIC ANESTHESIA

Jay Deshpande, MD - Moderator
 Professor of Anesthesiology and Pediatrics
 Medical Director for Performance Management and Improvement
 Vanderbilt Children’s Hospital • Nashville, TN

PEDIATRIC ACUTE PAIN MANAGEMENT: WHAT’S IN AND WHAT’S OUT

Santhanam Suresh, MD
 Director of Research
 Childrens Memorial Hospital
 Associate Professor of Anesthesiology & Pediatrics
 Northwestern University, Feinberg School of Medicine
 Pediatric Anesthesiology
 Children’s Memorial Hospital
 Northwestern University • Chicago, IL
 Disclosure: Sonosite Inc, Organon Inc.

NEONATAL EMERGENCIES

Lynne G. Maxwell, MD
 Associate Professor, Anesthesiology and Critical Care
 Department of Anesthesiology/Critical Care Medicine
 University of Pennsylvania • Philadelphia, PA

Learner Objectives: Overall – to provide an update on therapeutic controversies in pediatric anesthesia. 1) is oxygen “bad”: the pros and cons of supplemental oxygen during: neonatal resuscitation; 2) is oxygen “bad” part 2: the pros and cons of a “normal” SpO2 in newborns and preemies; 3) are anesthetics “bad”: does anesthetic exposure in neonates cause brain injury.

PANELS — GRAND BALLROOM C

1:00 - 2:30 **ANESTHESIA MYTHS**

CRICOID PRESSURE MAKES RAPID SEQUENCE INDUCTION SAFER

Hans-Joachim Priebe, MD – Moderator
Anästhesiologische Universitätsklinik
Albert-Ludwig Universität
Freiburg, Germany

PRONE POSITIONING OF ARMS ON OPERATING ROOM TABLES OR ARM RESTS REDUCES NEUROLOGICAL INJURIES

Richard C. Prielipp, MD, MBA, FCCM
JJ Buckley Professor and Chair
Department of Anesthesiology
University of Minnesota
Minneapolis, MN

PHYSICAL PROPERTIES PREDICT THE CLINICAL CHARACTERISTICS OF LOCAL ANESTHETICS

John F. Butterworth, MD
R. K. Stoelting Professor and Chairman
Department of Anesthesia
Indiana University School of Medicine
Indianapolis, IN

Learner Objectives: This panel will critically examine some commonly held beliefs in the practice of anesthesia. The goal of the presentations is to make anesthesiologists aware of considerable controversies surrounding seemingly established clinical practices and make them possibly question such fundamental beliefs.

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM
POSTERS DISPLAYED 8:00-4:30**

Discussion Time: 8:00–9:30	Page
Critical Care Medicine and Trauma – 1	37
Economics – 1	37
Pain-Basic Science – 1	38

Discussion Time: 10:15–11:45	Page
Regional – 1	38
Critical Care Medicine and Trauma – 2	39
Economics – 2	39
Pain-Clinical-Chronic	40

Discussion Time: 1:00–2:30	Page
Challenging Case Reports – 2	40
Pain-Basic Science – 2	41
Pharmacology-Clinical – 3	41

Discussion Time: 3:00–4:30	Page
Challenging Case Reports – 3	42
Regional – 2	42
Pain-Clinical-Acute	43

PANELS — GRAND BALLROOM C

3:00



Liver Intensive Care
Group of Europe

LICAGE – LIVER DISEASE AND LIVER SURGERY: CHALLENGES IN PERIOPERATIVE ANESTHESIA MANAGEMENT

Manuel Pardo, Jr., MD - Moderator
Sol Shnider Endowed Chair for Anesthesia Education
Associate Professor of Clinical Anesthesia
Department of Anesthesia and Perioperative Care
University Of California, San Francisco

NEW TECHNIQUES IN HEPATIC SURGERY: WHAT YOU NEED TO KNOW

Ryotaro Hirose, MD
University of California, San Francisco
San Francisco, CA

CASE PRESENTATION

Michael Davio, MD
Clinical Instructor, Liver Transplant Fellow
Department of Anesthesia and Perioperative Care
University of California, San Francisco
San Francisco, CA

PERIOPERATIVE RENAL INJURY IN PATIENTS WITH LIVER DISEASE

Connie Davis, MD
Professor of Medicine
Director, Kidney Care Line Medical Director Kidney and Pancreas Transplant
Department of Medicine, Division of Nephrology
University of Washington Medical Center
Seattle, WA

ASSESSMENT AND MANAGEMENT OF COAGULATION IN LIVER DISEASE

Yves Ozier, MD
Professor, Université Paris Descartes, Fac. med.
Head of the Anesthesia and Critical Care Department
Hopital Cochin
Paris, France

Learner Objectives: This panel will address challenging management issues in patients with liver disease undergoing surgery. Topics will include utility of different coagulation tests, new approaches to managing coagulation abnormalities, anesthetic implications of new approaches to hepatic surgery, and risk factors and management of perioperative renal failure. An interactive case discussion will highlight the practical challenges that clinicians face.

BEST OF MEETING – 3:30-5:00
REGENCY ROOM

Judges **John F. Butterworth, IV, MD**; Indiana University School of Medicine, Indianapolis, Indiana

Patricia A. Kapur, MD; UCLA School of Medicine, Los Angeles, California

Davy Cheng, MD; University of Western Ontario, London, Ontario, Canada

Hugo Van Aken, MD, PhD; FRCA FANZCA; Universitat Munster, Munster, Germany

S-68 MURINE STRAIN-SPECIFIC DIFFERENCES IN CARDIAC GENE EXPRESSION AND PHYSIOLOGY

C. N. Chang, R. Agrawal, G. B. Walton, J. Wong, A. J. Patterson;
Stanford University, Stanford, CA

S-145 DIFFERENTIAL UPREGULATION OF SPINAL PERK IN RAT SURGICAL PAIN MODELS

J. S. Kroin, J. Li, A. Buvanendran, K. J. Tuman;
Rush Medical College, Chicago, IL

S-17 CYTOSKELETAL REMODELING OF DESMIN IS A MORE ACCURATE MEASURE OF CARDIAC DYSFUNCTION THAN FIBROSIS OR MYOCYTE HYPERTROPHY IN OVINE HEART FAILURE

G. Monreal, B. Han, M. S. Joshi, A. B. Phillips, J. A. Bauer, M. A. Gerhardt;
The Ohio State University, Columbus, OH; Columbus Children's Research Institute, Columbus, OH; The Heart Center, Columbus Children's Hospital, Columbus, OH

*****S-183 REGULATION OF α 2C ADRENERGIC RECEPTOR CELL SURFACE EXPRESSION BY ITS AMINO TERMINAL DOMAIN**

C. Hurt, B. Kobilka, T. Angelotti;
Stanford University, Stanford, CA

BEST OF MEETING – 3:30-5:00
REGENCY ROOM

S-163 PERIOPERATIVE PREGABALIN REDUCES NEUROPATHIC PAIN AT MONTHS AFTER TOTAL KNEE ARTHROPLASTY (TKA)

A. Buvanendran, S. S. Reuben, M. Kari, J. S. Kroin, C. Della Valle;
Rush Medical College, Chicago, IL, Baystate Medical Center, Springfield, MA
Disclosure: Pfizer Inc.

S-8 CHANGE IN MEDICAL PRACTICE: REDUCING OPERATING ROOM BLOOD PRODUCT WASTAGE AND COST

J. R. Bruns, B. Pittman, L. Nelson, L. Lind, S. Lisco;
University of Cincinnati, Cincinnati, OH

S-156 FEMORAL NERVE CATHETER INFUSION VS. IV PCA OF FENTANYL IN KNEE REPLACEMENT SURGERY: A LOCAL ANALGESIC PHENOMENON.

J. Dreier, J. Hamelin, N. Hubbard, K. Dunphy, D. Mangar;
University of South Florida, Tampa, FL; Florida Gulf-to-Bay Anesthesiology Associates, Tampa, FL

*****S-176 MOVEMENT OF THE CAUDA EQUINA IN THE SUBARACHNOID SPACE DURING THE LATERAL DECUBITUS POSITION WITH OR FULLY FLEXED LEGS IN CHILDREN**

S. Yamaguchi, T. Takiguchi, N. Tezuka, T. Kitajima;
Dokkyo University School of Medicine, Mibu, Japan

S-141 A COMPARISON BETWEEN COMBINED SPINAL-EPIDURAL ANESTHESIA (CSE) WITH OR WITHOUT EPIDURAL SALINE ADMINISTRATION FOR CESAREAN SECTION (C/S)

S. Shah, S. Cohen, C. W. Hunter, V. Cirella, D. New, J. Cebula;
UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

Learner Objective: A panel of Judges have selected the nine best abstracts from the more than 270 submitted. The attendee will have an opportunity to view these as poster; hear capsule presentations by the author; and participate in the discussion led by the expert panel.

**WORKSHOP ON PERIPHERAL NERVE BLOCKS:
ULTRASOUND, SIMULATION, AND STIMULATION
W06 & W07**

8:00 - 11:00 • 2:00 - 5:00 – SEA CLIFF ROOM

Andrew D. Rosenberg, MD

Chairman
Department of Anesthesiology
Hospital for Joint Diseases
Orthopedic Institute
New York, NY

Levon Capan, MD

Professor of Anesthesiology
New York University
New York, NY

Vincent Chan, MD

Professor, Dept. of Anesthesiology
University of Toronto
Toronto, Ontario, Canada
Disclosure: SonoSite, GE, Philips, Janssen Ortho

Robert Altman, MD

Hospital for Joint Diseases Orthopaedic Institute
New York, NY

Maki Morimoto, MD

Assistant Professor
Department of Anesthesiology
New York University
New York, NY

Daniel Wambold, MD

Attending Anesthesiologist
Valley Hospital
Wyckoff, NJ

Jung Ted Kim, MD

New York University School of Medicine
New York City, NY

Santhanam Suresh, MD

Director of Research
Children's Memorial Hospital
Associate Professor of Anesthesiology & Pediatrics
Northwestern University, Feinberg School of Medicine
Chicago, IL
Disclosure: Sonosite Inc, Organon Inc.

Learner Objectives: Upon completion of this workshop the participant will have an improved understanding of how to perform peripheral nerve blocks utilizing the nerve stimulator technique and the ultrasound guided technique for nerve block. Emphasis will be placed on learning the basic terminology of ultrasound guided regional anesthesia. The participant will have hands-on experience with simulators for upper extremity blocks and femoral nerve blocks utilizing ultrasound simulators.

**KOSAKA ABSTRACT SESSION – 1:00-2:30
REGENCY ROOM**

The Kosaka Abstract Session

The Kosaka Abstract Session is designed to promote interactions between Japanese anesthesiology researchers and their scientific colleagues throughout the world. The session highlights the ten top-scoring scientific abstracts submitted by Japanese researchers, paired with the top ten best abstracts submitted from around the world on the same topic. The top four abstracts will be presented orally (two Japanese and two non-Japanese) and then a panel of judges will present the Kosaka award to the best presentation (judged on the basis of underlying science, results, poster and oral presentations).

Note: The Kosaka Award is given in honor of Dr. Futami Kosaka who was the Chair and Professor of the Department of Anesthesiology and Resuscitology at Okayama University School of Medicine, Japan and who dedicated himself to establish the America-Japan Anesthesia Congress in order to promote science in anesthesia and friendship between IARS and the Japan Society for Clinical Anesthesia.

Judges: **Moderator**
Adrian W. Gelb, MB, ChB
University of California
San Francisco, California

Alex Evers, MD
Washington University School of Medicine
St. Louis, MO

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

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

The Kosaka Session Abstracts are listed on page 36.

Japanese Researcher Abstracts (listed by display #'s)

Non-Japanese Researcher Abstracts (listed by display #'s)

<p>1A S-54 INVOLVEMENT OF SENSORY NEURON TO ISCHEMIA/ REPERFUSION-INDUCED ACUTE RENAL INJURY IN RATS <i>S. Mizutani, A. Mizutani, K. Kudo, T. Uchino, T. Noguchi; Oita University Faculty of Medicine, Oita, Japan</i></p>	<p>1B S-64 EVIDENCE THAT HYPERGLYCEMIA IS ASSOCIATED WITH DECREASED RENAL FUNCTION IN BRAIN DEAD KIDNEY DONORS <i>A. Blasi-Ibanez, R. Hirose, C. Freise, P. Stock, J. P. Roberts, C. U. Niemann; University of California San Francisco, San Francisco, CA</i></p>
<p>2A S-61 OXYGEN ADMINISTRATION PREVENTING TRANSMISSION OF RESPIRATORY DROPLET INFECTION WITH A MODIFIED N95 MASK <i>H. Sasano, T. Azami, N. Sasano, M. Morita, K. Sobue I, J. A. Fisher; Department of Anesthesiology and Medical Crisis Management Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan, 2Department of Anesthesiology, University Health Network, The Toronto General Hospital, Toronto, ON, Canada</i></p>	<p>2B S-55 TRACHEAL INFLAMMATORY MARKERS ARE CORRELATED WITH TIME OF ENDOTRACHEAL INTUBATION <i>C. A. Puyo, S. Tricomi, T. E. Dahms; Saint Louis University, Saint Louis, MO</i></p>
<p>3A S-107 CLINICAL EVALUATION OF THE DIFFERENCES ON TRANSCUTANEOUS MEASUREMENTS OF CARBON DIOXIDE TENSION AT VARIOUS BODY SITES DURING GENERAL ANESTHESIA <i>A. Mizushima, S. Katashima, Y. Kawauchi, M. Yamamoto, H. Iwata, Y. Kamiyama; Juntendo University Urayasu Hospital, Urayasu, Japan</i></p>	<p>3B S-120 RELATIONSHIP OF CEREBRAL OXIMETRY-MEASURED HEMOGLOBIN PER VOLUME OF TISSUE TO ARTERIAL BLOOD HEMOGLOBIN <i>D. MacLeod, K. Ikeda, W. White; Duke University Medical Center, Durham, NC</i></p>
<p>4A S-112 DISTANCE FROM THE INCISOR TO THE LARYNX MEASURED BY USING THE AIRWAY SCOPE <i>N. Sasano, H. Sasano; Inabe General Hospital, Inabe, Japan; Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan</i></p>	<p>4B S-121 INTUBATION AT FLOOR LEVEL – EVALUATING THE AIRTRAQ LARYNGOSCOPE <i>J. L. Tong, A. J. Gait, M. Woollard; Royal Centre for Defence Medicine, Birmingham, United Kingdom; University Hospital Coventry and Warwickshire, Coventry, United Kingdom; Coventry University, Coventry, United Kingdom</i></p>
<p>5A *S-176 MOVEMENT OF THE CAUDA EQUINA IN THE SUBARACHNOID SPACE DURING THE LATERAL DECUBITUS POSITION WITH OR FULLY FLEXED LEGS IN CHILDREN ** <i>S. Yamaguchi, T. Takiguchi, N. Tezuka, T. Kitajima; Dokkyo University School of Medicine, Mibu, Japan</i></p>	<p>5B S-169 EFFECT OF DEXMEDETOMIDINE ON NEUROPHYSIOLOGIC MONITORING DURING SPINAL SURGERY (EEG, TIBIAL SOMATOSENSORY AND LOWER EXTREMITY TRANSCRANIAL ELECTRICAL MOTOR EVOKED POTENTIALS, F-RESPONSES AND H-REFLEXES) <i>G. M. Cramolini, R. E. Leppanen, L. G. Smithson; East Tennessee Children's Hospital, Knoxville, TN</i></p>
<p>6A S-202 RAPID ISCHEMIC PRECONDITIONING ATTENUATES MITOCHONDRIAL MEMBRANE DEPOLARIZATION EVOKED BY OXYGEN GLUCOSE DEPRIVATION IN RAT NEURONAL CELLS <i>M. Shizukuishi, S. Yamada, N. Matsuoka I, H. Ishida, Y. Kobayashi, T. Kazama; National Defence Medical College, Saitama, Japan; Tokai University School of Medicine, Kanagawa, Japan</i></p>	<p>6B S-191 INHALED ANESTHETICS ACTIVATE TRPA1 HETEROLOGOUSLY EXPRESSED IN HEK CELLS <i>C. Chu, M. A. Schumacher, N. W. Bunnett, H. Eilers; University of California, San Francisco, San Francisco, CA</i></p>
<p>7A S-210 THE IMPACT OF COMBINED PROPOFOL-REMIFENTANIL ANESTHESIA ON SEIZURE DURATION AND RECOVERY TIME DURING ELECTROCONVULSIVE THERAPY <i>K. Suga, M. Komai, R. Takao, H. Yamazaki, A. Yoshida, Y. Kobayashi; National Hospital Organization Tokyo Medical Center, Tokyo, Japan</i></p>	<p>7B S-225 THE EFFECT OF ONDANSETRON ON ROCURONIUM, VECURONIUM AND MIVACURIUM POTENCY <i>D. Steinberg, G. H. Steinberg; Hospital Clinicas Caracas & Policlínica Mendez Gimón, Caracas, Venezuela; School of Medicine, Central University of Venezuela, Caracas, Venezuela</i></p>
<p>8A S-62 A CROSS-TALK BETWEEN ESTROGEN, A MEMBER OF THE NUCLEAR-RECEPTOR SUPER-FAMILY AND TOLL-LIKE RECEPTOR <i>Y. Asakura, N. Kato, N. Kandatsu, Y. Fujiwara, T. Komatsu; Aichi Medical University, Nagoya, Japan</i></p>	<p>8B *S-183 REGULATION OF 2C ADRENERGIC RECEPTOR CELL SURFACE EXPRESSION BY ITS AMINO TERMINAL DOMAIN ** <i>C. Hurt, B. Kobilka, T. Angelotti; Stanford University, Stanford, CA</i></p>

* Best of Meeting

** Best of Section

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Critical Care Medicine & Trauma – 1
Abstracts in Poster Discussion Round: S-54 – S-59
Presenters in attendance 8:00 – 9:30

PR03-25

Poster Moderators:

Ozan Akca, MD, University of Louisville Hospital, Louisville, KY
Mark J. Harris, MD, University Medical Center, Salt Lake City, UT

Learner Objective: To understand selected advances in the disciplines of organ system failure, monitoring and support.

- ***S-54 INVOLVEMENT OF SENSORY NEURON TO ISCHEMIA/ REPERFUSION-INDUCED ACUTE RENAL INJURY IN RATS**
S. Mizutani, A. Mizutani, K. Kudo, T. Uchino, T. Noguchi; Oita University Faculty of Medicine, Oita, Japan
- ***S-55 TRACHEAL INFLAMMATORY MARKERS ARE CORRELATED WITH TIME OF ENDOTRACHEAL INTUBATION**
C. A. Puyo, S. Tricomi, T. E. Dahms; Saint Louis University, Saint Louis, MO
- S-56 INDUCTION OF HYPOTHERMIA IN RATS USING COOLED HELIOX VENTILATION.**
M. M. Kumar, L. D. Johnson; Mayo Clinic, Rochester, MN, MHTR, Red Wing, MN
- S-57 TRANSIENT RECEPTOR POTENTIAL VANILLOID 1 INHIBITION DECREASES SURVIVAL AND ALTERS CYTOKINE RESPONSE TO ENDOTOXIN CHALLENGE IN MICE**
J. Horowitz, V. Besch, L. Middleton, Y. Uehara, Z. Quezado; National Institutes of Health, Bethesda, MD
- S-58 COAGULOPATHY IN SEVERE ISOLATED TRAUMATIC BRAIN INJURY (TBI) : A COMPARISON OF HAEMOSTATIC ACTIVATION MARKERS FROM JUGULAR BULB AND CENTRAL VENOUS SAMPLES**
R. Souissi, Z. Haddad, W. Trabelsi, K. Baccar, N. Baffoun, C. Kaddour; National Institute of Neurology, La Rabta, Tunisia
- S-59 COMBINING VARIOUS SEVERITY OF ILLNESS SCORING SYSTEMS TO IMPROVE OUTCOME PREDICTION.**
Z. Haddad, R. Souissi, N. Baffoun, K. Baccar, C. Kaddour; National Institute of Neurology, La Rabta, Tunisia

Economics-1
Abstracts in Poster Discussion Round: S-69 – S-75
Presenters in attendance 8:00 – 9:30

PR03-26

Poster Moderators:

Derek Sakata, MD, University of Utah School of Medicine, Salt Lake City, UT
Alex Macario, MD, Stanford University School of Medicine, Stanford, CA

Learner Objective: To promote the understanding of pharmacoeconomic principles and gain insight into cost-effective anesthetic care.

- **S-69 DOES PAST PERFORMANCE GUARANTEE FUTURE RESULTS? ER VISITS, OUTPATIENT APPOINTMENTS, AND DAY OF SURGERY CANCELLATIONS**
N. Ray, A. Tung, D. B. Glick; University of Chicago, Chicago, IL
- S-70 RELATIONSHIP OF SYSTEM-SPECIFIC DISORDERS IN THE PRE-ANESTHESIA EVALUATION TO HOSPITAL LENGTH OF STAY**
B. Nath, D. G. Silverman, A. Mukherjee, R. G. Stout, N. Holt; Yale University School of Medicine, New Haven, CT
- S-71 WHO CARES IF I'M ON TIME?**
N. Ray, A. Tung, D. B. Glick; University of Chicago, Chicago, IL
- S-72 THE MODIFIED STAGGERED START**
T. W. Cutter, N. Carli, M. O'Connor; University of Chicago Medical Center, Chicago, IL
Disclosure: Baxter; Adolor, Crucell, Progenics.
- S-73 WHY RUSH? YOU WON'T GET OUT ANY EARLIER!**
N. Ray, A. Tung, D. B. Glick; University of Chicago, Chicago, IL
- S-74 FACTORS ASSOCIATED WITH VARIABILITY IN TURNOVER TIMES BETWEEN SURGERIES: A SURVEY USING GENERAL LINEAR MODEL**
D. P. Strum, L. G. Vargas; Queen's University, Kingston, ON, Canada, University of Pittsburgh, Pittsburgh, PA
- CANCELLED**
- S-75 ARE POST-DISCHARGE CODERS FAILING TO CAPTURE DISORDERS IDENTIFIED BY SYSTEM-SPECIFIC SCORING OF THE PRE-ANESTHETIC NOTE?**
B. Nath, N. Holt, A. Mukherjee, R. G. Stout, F. Romberg, D. G. Silverman; Yale University School of Medicine, New Haven, CT

MONDAY, MARCH 31

MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30

Pain-Basic Science – 1

Abstracts in Poster Discussion Round: S-145 – S-149
Presenters in attendance 8:00 – 9:30

PR03-27

Poster Moderators:

Julia C. Finkel, MD, Children's National Medical Center,
Washington, DC
Paul F. White, MD, University of Texas Southwestern Medical
Center, Dallas, TX

Learner Objective: To review recent developments in the mechanisms and
treatment of chronic and perioperative pain.

***S-145 DIFFERENTIAL UPREGULATION OF SPINAL PERK IN
** RAT SURGICAL PAIN MODELS**

J. S. Kroin, J. Li, A. Buvanendran, K. J. Tuman;
Rush Medical College, Chicago, IL

**S-146 SYNERGISTIC EFFECT OF INTRATHECAL
NEOSTIGMINE AND PREGABALIN IN A RAT
POSTOPERATIVE INCISIONAL PAIN MODEL**

J. S. Kroin, A. Buvanendran, M. Kari, K. J. Tuman;
Rush Medical College, Chicago, IL

**S-147 LOCAL INJECTION OF RESINIFERATOXIN REDUCES
HYPERALGESIA AT A NON-ANTINOCICEPTIVE DOSE
IN A RAT INCISION MODEL OF POSTOPERATIVE PAIN**

J. S. Kroin, A. Buvanendran, K. J. Tuman;
Rush Medical College, Chicago, IL

**S-148 UPREGULATION OF P2X3 RECEPTOR IN DORSAL
ROOT GANGLIA OF A RAT CANCER PAIN MODEL**

Y. Jiang, L. Xu, H. Zhang;
PLA General Hospital, Beijing, China

**S-149 EFFECT OF GABAPENTIN ON THE EXPRESSION OF
PSD95 AND CAMKII IN SPINAL CORD OF CCI RATS**

W. Liu, L. Ma, Y. Huang, N. Yang, P. Zuo;
*Peking Union Medical College Hospital, Beijing, China,
Peking Union Medical College, The Basic Science Institute,
Department of Pharmacology, Beijing, China*

Regional-1

Abstracts in Poster Discussion Round: S-229 – S-236
Presenters in attendance 10:15 – 11:45

PR03-28

Poster Moderators:

Eugene R. Viscusi, MD, Jefferson Medical College, Philadelphia, PA
Mark A. Gerhardt, MD, Ohio State University, Columbus, OH

Learner Objective: To understand recent advances in the application of
regional anesthesia in patients undergoing surgical procedures.

****S-229 REAL-TIME -DIMENSIONAL ULTRASOUND FOR
CONTINUOUS INFRACLAVICULAR BRACHIAL PLEXUS
BLOCKADE**

S. R. Clendenen, J. E. Freidenstein, N. J. Clendenen;
Mayo Clinic Jacksonville, Jacksonville, FL

**S-230 EFFECT OF VARIOUS NEEDLE TIPS AND THEIR BEVEL
ORIENTATION ON THE QUALITY OF ULTRASOUND
IMAGES WITH LINEAR AND CURVILINEAR
TRANSDUCERS.**

N. S. Sandhu, N. H. Karuvannur;
*University of California San Diego, San Diego, CA, Canyon
Crest Academy, San Diego, CA*

**S-231 THE IMPACT OF ADDING MIDAZOLAM IN THREE
DIFFERENT DOSES TO SPINAL BUPIVACAINE**

K. Radwan, H. Khafagy, M. El-Barr, M. A. Abosedira;
Theodor Bilharz Research Institute, Cairo, Egypt

**S-232 COMPARISON OF STIMULATING VERSUS NON-
STIMULATING CATHETER TECHNIQUE FOR
CONTINUOUS INTERSCALENE BRACHIAL PLEXUS
BLOCK BY POSTERIOR APPROACH FOR SHOULDER
SURGERY**

G. Gopalakrishnan, R. Edward, S. Ram, P. Venkat;
Hull royal infirmary, Hull, United Kingdom

**S-233 THE ADDITION OF MIDAZOLAM TO ROPIVACAINE FOR
CAUDAL ANALGESIA FOR HAEMORROIDECTOMY :
DOES IT MAKE A DIFFERENCE?**

M. A. Abosedira, M. A. Abosedira, H. Khafagy, K. Radwan,
M. El-Barr;
Theodor Bilharz Research Institute, Cairo, Egypt

**S-234 VASOPRESSIN IS ASSOCIATED WITH ADVERSE
OUTCOMES IN RESUSCITATION OF RATS FROM
BUPIVACAINE-INDUCED ASYSTOLE**

G. Di Gregorio, R. Ripper, K. Kelly, G. Weinberg,
V. Baughman;
*University of Illinois at Chicago and Universita' Degli Studi
di Padova, Chicago, IL; University of Illinois at Chicago,
Chicago, IL; University of Illinois at Chicago and Jessie
Brown VA Medical Center, Chicago, IL*

**S-235 EFFECT OF GENDER DIFFERENCES ON
PHARMACOKINETICS AND TOLERANCE STUDY OF
HIGH DOSE ROPIVACAINE FOR SINGLE SCIATIC
NERVE BLOCK IN DOGS**

X. Dong, Y. Huang;
*Department of Anesthesiology, Peking Union Medical
College Hospital, Peking Union Medical College, Beijing,
China*

S-236 NEEDLE VISIBILITY WITH ULTRASOUND

N. S. Sandhu, N. H. Karuvannur;
*University of California San Diego, San Diego, CA, Canyon
Crest Academy, San Diego, CA*

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Critical Care Medicine & Trauma – 2
Abstracts in Poster Discussion Round: S-61 – S-68
Presenters in attendance 10:15 – 11:45

PR03-29

Poster Moderators:

Lena S. Sun, MD, Columbia University, New York, NY
Staffan Wahlander, MD, College of Physicians & Surgeons of Columbia University, New York, NY

Learner Objective: To understand selected advances in the disciplines of organ system failure, monitoring and support.

- ***S-61 OXYGEN ADMINISTRATION PREVENTING TRANSMISSION OF RESPIRATORY DROPLET INFECTION WITH A MODIFIED N95 MASK**
H. Sasano, T. Azami, N. Sasano, M. Morita, K. Sobue, J. A. Fisher;
Department of Anesthesiology and Medical Crisis Management Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan; Department of Anesthesiology, University Health Network, The Toronto General Hospital, Toronto, ON, Canada
- ***S-62 A CROSS-TALK BETWEEN ESTROGEN, A MEMBER OF THE NUCLEAR-RECEPTOR SUPER-FAMILY AND TOLL-LIKE RECEPTOR**
Y. Asakura, N. Kato, N. Kandatsu, Y. Fujiwara, T. Komatsu;
Aichi Medical University, Nagoya, Japan
- S-63 PROGNOSTIC VALUE OF EARLY VS LATE ACUTE RENAL DYSFUNCTION IN THE CRITICALLY ILL OBSTETRIC PATIENT**
Z. Haddad, R. Souissi, K. Baccar, N. Baffoun, C. Kaddour;
National Institute of Neurology, La Rabta, Tunisia
- ***S-64 EVIDENCE THAT HYPERGLYCEMIA IS ASSOCIATED WITH DECREASED RENAL FUNCTION IN BRAIN DEAD KIDNEY DONORS**
A. Blasi-Ibanez, R. Hirose, C. Freise, P. Stock, J. P. Roberts, C. U. Niemann;
University of California San Francisco, San Francisco, CA
- S-66 INFLUENCE OF MUTATIONS IN THE MTHFR GENE ON HOMOCYSTEINE LEVELS AFTER NITROUS OXIDE ANESTHESIA**
P. Nagele, B. Zeugswetter, M. Huepfl, M. Mittelboeck, M. Foedinger
Washington University School of Medicine, St. Louis, MO, Medical University of Vienna, Vienna, Austria
- S-67 THE IMPACT OF IL-1RN GENETIC POLYMORPHISM ON POSTOPERATIVE MORPHINE CONSUMPTION**
K. Candiotti, Z. Yang, N. Crescimone, L. Curia, Y. Rodriguez, M. Gitlin;
University of Miami, Miami, FL
- *S-68 MURINE STRAIN-SPECIFIC DIFFERENCES IN CARDIAC GENE EXPRESSION AND PHYSIOLOGY**

C. N. Chang, R. Agrawal, G. B. Walton, J. Wong, A. J. Patterson;
Stanford University, Stanford, CA

Economics – 2
Abstracts in Poster Discussion Round: S-76 – S-82
Presenters in attendance 10:15 – 11:45

PR03-30

Poster Moderators:

Daniel Talmor, MD, Beth Israel Deaconess Medical Center, Boston, MA
Elena J. Holak, MD, Medical College of Wisconsin, Milwaukee, WI

Learner Objective: To promote the understanding of pharmacoeconomic principles and gain insight into cost-effective anesthetic care.

- S-76 POINT OF CARE HANDHELD ELECTRONIC CHARGE CAPTURE SYSTEM IMPROVES BUSINESS EFFICIENCY**
B. G. Fahy;
University of Kentucky, Chandler Medical Center, Lexington, KY
- S-77 WHAT MINOR ANESTHESIA COMPLICATIONS DO PACU NURSES CONSIDER MOST IMPORTANT?**
P. J. Tan, J. E. Tetzlaff, J. Na, J. Dalton, E. Mascha;
Cleveland Clinic, Cleveland, OH
- S-78 A NOVEL FORMULA TO DESCRIBE SURGICAL OPERATING LIST 'EFFICIENCY'**
J. J. Pandit, S. Westbury, M. Pandit;
John Radcliffe Hospital, Oxford, United Kingdom; Milton Keynes General Hospital, Milton Keynes, United Kingdom
- S-79 RESEARCH DURING RESIDENCY? THE RESIDENT'S POINT OF VIEW**
K. Cummisford, R. Schumann, I. Ahmed;
Tufts/New England Medical Center, Boston, MA
- S-80 THE ROYAL COLLEGE OF ANAESTHETISTS STRATEGY TO IMPROVE ACADEMIC ANESTHESIA IN THE UNITED KINGDOM**
J. J. Pandit;
John Radcliffe Hospital, Oxford, United Kingdom
- S-81 INCORPORATING A PERSONALITY ASSESSMENT TOOL INTO AN ACADEMIC ANESTHESIA DEPARTMENT TO MORE EFFECTIVELY INTERACT WITH AMBULATORY PATIENTS**
O. Gottlieb;
University of Chicago Medical Center, Chicago, IL
- S-82 USING ESTIMATES OF OPERATING TIMES TO MATCH SURGICAL CAPACITY TO DEMAND**
J. J. Pandit, S. Westbury, M. Pandit;
John Radcliffe Hospital, Oxford, United Kingdom, Milton Keynes General Hospital, Milton Keynes, United Kingdom

* Best of Meeting
** Best of Section
*** Kosaka Session

MONDAY, MARCH 31

MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30

Pain-Clinical-Chronic
Abstracts in Poster Discussion Round: S-163 – S-168
Presenters in attendance 10:15 – 11:45

PR03-31

Poster Moderators:

Girish P. Joshi, MD, University of Texas Southwestern Medical Center at Dallas, TX
Daniel R. Bustamante, MD, UTMCK, Knoxville, TN

Learner Objective: To discuss recent advances in the clinical management of chronic pain and to understand the implications of those advances for medical practice.

***S-163 PERIOPERATIVE PREGABALIN REDUCES NEUROPATHIC PAIN AT MONTHS AFTER TOTAL KNEE ARTHROPLASTY (TKA)**

A. Buvanendran, S. S. Reuben. M. Kari. J. S. Kroin. C. Della Valle;
Rush Medical College, Chicago, IL, Baystate Medical Center, Springfield, MA
Disclosure: Pfizer Inc.

S-164 PRELIMINARY RESULTS FROM SINGLE-SHOT INTRATHECAL ZICONOTIDE TRIAL TO PREDICT ITS EFFECTS WITH PUMP INFUSION

D. R. Okano, H. Akbik, M. Khan, R. Zollett, M. Munir;
University of Cincinnati, Cincinnati, OH

S-165 A NOVEL INTERLAMINAR APPROACH FOR DISCOGRAPHY AT L5-S1 DISC

M. A. Khan, D. R. Okano, R. Zollett, M. A. Munir;
University of Cincinnati, Cincinnati, OH

S-166 USEFULNESS OF PI MEASUREMENT TO DETECT THE EFFECT OF SGB IN A SYRINGOMYELIA PATIENT

K. Mizusawa, T. Kaneda, H. Yamazaki, T. Suzuki;
Department of Anesthesiology, Tokai University School of Medicine, Kanagawa, Japan

S-167 RADIOFREQUENCY ABLATION OF MEDIAL BRANCHES IN THE PRESENCE OF SACRAL NERVE STIMULATOR AND PACEMAKER

R. Zollett, M. A. Khan, D. R. Okano, M. A. Munir;
University of Cincinnati, Cincinnati, OH

S-168 COMPARATIVE EVALUATION OF GABAPENTIN, PREGABALIN AND A COMBINATION OF BOTH IN THE TREATMENT OF CHRONIC INTRACTABLE NEUROPATHIC PAIN DISORDER

S. P. Ambesh, N. Verma, P. K. Singh;
Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow (India), Lucknow, India

Challenging Case Reports – 2
Abstracts in Poster Discussion Round
Presenters in attendance 1:00 – 2:30

PR03-32

Poster Moderators:

Robert Craft, MD, University of Tennessee, Louisville, TN
H. T. Lee, MD, Columbia University, New York, NY

Learner Objective: To review medical management of unusual or difficult cases encountered in anesthesia practice.

1289 AN INFANT WITH SEVERE BILATERAL HYDROTHORAX DELIVERED VIA THE EXIT PROCEDURE

S. M. Shughart, G. Shih;
KU Medical Center, Kansas City, KS

1282 THROMBOSIS OF A DRUG ELUTING STENT AND RESULTANT MYOCARDIAL INFARCTION STATUS POST EXCISION OF RECTAL ADENOCARCINOMA

E. S. Kosik, C. Smith;
Case Western Reserve University/Metrohealth of Cleveland, Cleveland, OH

1190 ANESTHETIC MANAGEMENT OF A PATIENT WITH A RECENT IATROGENIC BRONCHOPLEURAL FISTULA AND A MILD COAGULOPATHY FOR ORIF OF THE HIP

L. A. Ross, C. Yeoh, R. Gupta;
Saint Vincents Catholic Medical Centers New York, St. Vincent's Midtown Hospital, New York, NY, Saint Vincents Catholic Medical Centers New York, New York, NY

1007 SUCCESSFUL USE OF A MODIFIED ENDOTRACHEAL TUBE SHAPE AND TECHNIQUE USING THE VIDEOLARYNGOSCOPE IN A TOWNES-BROCKS SYNDROME PATIENT WITH KNOWN DIFFICULT AIRWAY

O. Khodadadi, G. N. Yousseff, M. P. Smith;
Cleveland Clinic, Cleveland, OH

1299 A CASE OF PERIPHERAL NERVE BLOCKS AIDING IN DIAGNOSIS OF ACUTE MYOCARDIAL INFARCTION

J. A. Noboa, S. R. Clendenen, B. Harrison;
Mayo Clinic Jacksonville, Jacksonville, FL

1139 TWO CASES OF COMPLETE RECOVERY FOLLOWING PROLONGED COMA, CAUSED BY ACUTE DISSEMINATED ENCEPHALOMYELITIS

K. Dote, N. P. Woodall, M. Yano, K. Ninomiya;
Ehime University Hospital, Touon, Ehime, Japan

1138 PERIOPERATIVE ANESTHETIC MANAGEMENT OF A 3 WEEK PARTURIENT UNDERGOING CERVICAL LAMINECTOMY FOR CERVICAL ABSCESS

H. Singh, R. Vela;
University of Texas Medical Branch, Galveston, TX

**MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30**

Pain-Basic Science – 2

Abstracts in Poster Discussion Round: S-150 – S-155
Presenters in attendance 1:00 – 2:30

PR03-33

Poster Moderators:

Raghuvender Ganta, MD, University of Oklahoma HSC,
Oklahoma City, OK
Philipp Lirk, MD, University of Innsbruck, Innsbruck, Austria

Learner Objective: To review recent developments in the mechanisms and treatment of chronic and perioperative pain.

S-150 ALLEVIATE ALLODYNIA AND HYPERALGESIA BY SILENCING OF NAV1.8 WITH SIRNA IN BONE CANCER PAIN RATS

*L. Xu, Y. Jiang, H. Zhang;
PLA General Hospital, Beijing, China*

S-151 FETAL PAIN CAN BE SUPPRESSED WITH INTRA AMNIOTIC SUFENTANIL IN THE CHRONICALLY INSTRUMENTED SHEEP MODEL

*J. B. Coonen, W. Honig, E. A. Joosten, M. A. Marcus;
Academic Hospital Maastricht, Maastricht, The Netherlands*

S-152 CEPHARANTHINE REDUCES CARRAGEENIN-INDUCED INFLAMMATORY HYPERALGESIA IN RATS BY INHIBITING NEUTROPHIL ACTIVATION

*A. Mizutani, K. Kudo, S. Mizutani, T. Uchino, T. Noguchi;
Oita University Faculty of Medicine, Oita, Japan*

S-153 FETAL PAIN CAN NOT BE SUPPRESSED WITH MATERNAL INTRAVENOUS DIPIDOLOR IN THE CHRONICALLY INSTRUMENTED SHEEP MODEL

*J. B. Coonen, W. Honig, E. A. Joosten, M. A. Marcus;
Academic Hospital Maastricht, Maastricht, The Netherlands*

S-154 ALTERED THERMAL NOCICEPTIVE RESPONSES IN GLUTAMIC ACID DECARBOXYLASE (GAD) 65 DEFICIENT MICE

*K. Kubo, K. Nishikawa, M. Yamada, J. Ishizeki, S. Saito;
Gunma University Graduate School of Medicine,
Maebashi, Japan*

S-155 ERK INHIBITION INCREASES THERMAL WITHDRAWAL LATENCY AND MECHANICAL WITHDRAWAL THRESHOLD IN A RAT POSTOPERATIVE PAIN MODEL

*E. Pastijn, S. Schiffmann, M. Sosnowski;
C.H.U. St. Pierre, Brussels, Belgium; U.L.B. Erasme,
Brussels, Belgium*

Pharmacology-Clinical –3

Abstracts in Poster Discussion Round: S-222 – S-228
Presenters in attendance 1:00 – 2:30

PR03-34

Poster Moderators:

Michael Zaugg, MD, University of Zurich, Zurich, Switzerland
Derek Sakata, MD, University of Utah School of Medicine,
Salt Lake City, UT

Learner Objective: To discuss advances in pharmacokinetics and pharmacodynamics of agents used in the operating room and perioperative period.

****S-222 A PROPOFOL/REMIFENTANIL PHARMACODYNAMIC MODEL PREDICTS PATIENT RESPONSE TO ENDOSCOPY**

*D. J. Wiest, C. LaPierre, K. Johnson, N. Syroid,
P. L. Gambus, E. W. Jensen;
Oregon Health & Science University School of Medicine,
Portland, OR; Department of Anesthesiology, University of
Utah, Salt Lake City, UT; Anesthesia Department, Hospital
Clinic de Barcelona, Barcelona, Spain; Centre de Recerca en
Enginyeria Biomedica (CREB), Universitat Politecnica de
Catalunya, Terrassa, Spain*

S-223 A RANDOMIZED, DOUBLE-BLINDED ASSESSMENT OF THE USE OF DEXMEDETOMIDINE FOR AWAKE FIBEROPTIC INTUBATIONS

*M. Dorsey, C. Aveyard, A. Ovassapian, D. B. Glick;
University of Chicago, Chicago, IL*

S-224 EVALUATION OF A TARGET-CONTROLLED PROPOFOL DELIVERY ALGORITHM BASED ON STATE ENTROPY

*D. M. Mathews, P. Cirullo, D. Kopman, A. Divan;
St. Vincent Catholic Medical Center, New York, NY*

*****S-225 THE EFFECT OF ONDANSETRON ON ROCURONIUM, VECURONIUM AND MIVACURIUM POTENCY**

*D. Steinberg, G. H. Steinberg;
Hospital Clinicas Caracas & Policlínica Mendez Gimón,
Caracas, Venezuela; School of Medicine, Central University
of Venezuela, Caracas, Venezuela*

S-226 THE CORRELATION BETWEEN KETAMINE AND PTSD IN BURNED SERVICE MEMBERS

*L. L. McGhee, C. V. Maan, T. H. Garza, K. M. Gaylord,
I. H. Black;
US Army Institute of Surgical Research, Ft Sam Houston,
TX; Brooke Army Medical Center, Ft Sam Houston, TX*

S-227 A COMPARITIVE STUDY USING PRIMARILY DEXMEDETOMIDINE OR MIDAZOLAM FOR SEDATION DURING ELECTIVE AWAKE FIBEROPTIC INTUBATION

*S. D. Bergese, S. Bender, T. McSweeney, S. Fernandez,
K. Sage;
The Ohio State University, Columbus, OH*

S-228 THE INFLUENCE OF GENDER ON MIVACURIUM PHARMACODYNAMICS: A COMPREHENSIVE STUDY (1019)

*D. Steinberg, G. H. Steinberg;
Hospital Clinicas Caracas & Policlínica Mendez Gimón,
Caracas, Venezuela; School of Medicine, Central University
Venezuela, Caracas, Venezuela*

MONDAY, MARCH 31

MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED – 8:00-4:30

Challenging Case Reports – 3
Abstracts in Poster Discussion Round
Presenters in attendance 3:00 – 4:30

PR03-35

Poster Moderators:

Ibtesam A. Hilmi, MD, University of Pittsburgh, Pittsburgh, PA
Elena J. Holak, MD, Medical College of Wisconsin, Milwaukee, WI

Learner Objective: To review medical management of unusual or difficult cases encountered in anesthesia practice.

- 1122 ANESTHETIC MANAGEMENT OF A PRIMIGRAVIDA WITH CONGENITALLY CORRECTED TRANSPOSITION OF THE GREAT ARTERIES, PROSTHETIC AV VALVE, AND HISTORY OF STROKE**
C. Bezouska, B. Yee;
West Virginia University, Morgantown, WV
- 1039 PERI-PARTUM ANESTHETIC MANAGEMENT OF A PARTURIENT WITH BRONCHOPULMONARY DYSPLASIA**
J. M. Fay, H. Singh;
University of Texas Medical Branch, Galveston, TX
- 1288 ACUTE ONSET OF TUMOR LYSIS SYNDROME IN THE IMMEDIATE POST-OPERATIVE PERIOD**
J. L. Lin, K. Leng;
Beth Israel Deaconess Medical Center, Boston, MA
- 1320 REGIONAL ANESTHESIA FOR MIDDLE FOSSA CRANIOTOMY FOR SEMICIRCULAR CANAL SURGERY**
G. A. Rodriguez, R. Greengrass, S. Clendenen, L. Lundy, R. Cucchiara;
Mayo Clinic Jacksonville, Jacksonville, FL
- 1201 TENSION PNEUMOTHORAX: A COMPLICATION OF RETROSTERNAL GASTRIC PULL UP SURGERY IN IMMEDIATE POSTOPERATIVE PERIOD IN INFANTS - A CASE REPORT**
A. Sonny, M. Dehran, E. L. Babu;
All India Institute of Medical Sciences, New Delhi, India
- 1200 A CHALLENGING CASE OF ACTIVE PLACENTAL ABRUPTION AND DISSEMINATED INTRAVASCULAR COAGULATION IN A 7-WEEK GESTATIONAL AGE PATIENT WITH ANTIBODIES TO TYPE-SPECIFIC RED BLOOD CELLS**
M. W. Norkunas, E. Bryson;
Mt. Sinai Hospital/School of Medicine, New York, NY
- 1009 ANESTHETIC MANAGEMENT OF A PATIENT WITH ALPORT-LEIOMYOMATOSIS SYNDROME**
M. Hanazaki, M. Matsumi, M. Yokoyama, H. Katayama, K. Morita;
Okayama University Medical School, Okayama, Japan

Regional – 2

Abstracts in Poster Discussion Round: S-237 – S-244
Presenters in attendance 3:00 – 4:30

PR03-36

Poster Moderators:

Carlos B. Mantilla, MD, Mayo Clinic College of Medicine, Rochester, MN
Eric Bedell, MD, UTMB, Galveston, TX

Learner Objective: To understand recent advances in the application of regional anesthesia in patients undergoing surgical procedures.

- S-237 REGIONAL ANESTHESIA AND RESIDENT EDUCATION: IMPLEMENTATION OF A DEDICATED REGIONAL ANESTHESIA RESIDENT AND ITS IMPACT ON OPERATING ROOM EFFICIENCY AND RESIDENT TRAINING**
J. Nagafuji, P. Hess, P. Panzica;
Beth Israel Deaconess Medical Center, Boston, MA
- S-238 PREDICTORS OF PULMONARY EMBOLISM FOLLOWING PRIMARY HIP AND KNEE ARTHROPLASTY**
L. Pulido, D. Patel, K. Gandhi, A. M. Oviedo, E. Viscusi, J. Parvizi;
Rothman Institute at Thomas Jefferson University, Philadelphia, PA; Anesthesiology Department Thomas Jefferson University, Philadelphia, PA
- S-239 INTRAOPERATIVE LEVEL OF SEDATION AND POSTOPERATIVE DELIRIUM**
F. Sieber, K. Zakriya, S. Mears;
Johns Hopkins Medical Institutions, Baltimore, MD
- S-240 EPIDURAL VERSUS PERIPHERAL NERVE CATHETERS FOR ANALGESIA POST TOTAL KNEE ARTHROPLASTY**
B. A. Harrison, N. J. Clendenen, S. R. Clendenen, K. Blasser, R. Greengrass;
Mayo Clinic College of Medicine, Jacksonville, FL
- S-241 QUANTITATIVE EVALUATION OF THE ECHOGENICITY OF PERIPHERAL NERVE IN YOUNG AND ELDERLY**
X. Li, M. K. Karmakar, A. Lee, A. M. Ho, L. Critchley, T. Gin;
Department of Anaesthesia and Intensive Care, The Chinese University of Hong Kong, Shatin, Hong Kong
- S-242 EARLY MORTALITY FOLLOWING TOTAL JOINT ARTHROPLASTY**
L. Pulido, K. Gandhi, M. Aynardi, A. M. Oviedo, E. Viscusi, J. Parvizi;
Rothman Institute at Thomas Jefferson University, Philadelphia, PA; Anesthesiology Thomas Jefferson University, Philadelphia, PA
- S-244 THE PORCINE EPIDURAL SPACE MAY CONTAIN IMMUNOACTIVE CELLS**
E. J. Goodman, H. J. Meyerson, T. S. Su, M. D. Kellems;
University Hospitals Case Medical Center, Cleveland, OH

**MONDAY, MARCH 31
MODERATED POSTER DISCUSSION ROUNDS
BAYVIEW ROOM – POSTERS DISPLAYED
8:00–4:30**

Pain-Clinical-Acute
Abstracts in Poster Discussion Round: S-156 – S-162
Presenters in attendance 3:00 – 4:30

PR03-37

Poster Moderators:

Peter H. Tonner, MD, Clinic LdW, Bremen, Germany
Edgar L. Ross, MD, Brigham Women's Hospital, Chesnut Hill, MA

Learner Objective: To discuss recent advances in the clinical management of acute pain and to understand the implications of those advances for medical practice.

- *S-156 FEMORAL NERVE CATHETER INFUSION VS. IV PCA OF FENTANYL IN KNEE REPLACEMENT SURGERY: A LOCAL ANALGESIC PHENOMENON.**
**
J. Dreier, J. Hamelin, N. Hubbard, K. Dunphy, D. Mangar; University of South Florida, Tampa, FL; Florida Gulf-to-Bay Anesthesiology Associates, Tampa, FL
- S-157 FEMORAL NERVE BLOCK FOR TOTAL KNEE ARTHROPLASTY; ULTRASOUND VS NERVE STIMULATOR**
D. B. Maalouf, C. Feng, J. T. Ya Deau, M. A. Gordon, L. Paroli, M. K. Urban; Hospital for Special Surgery, New York, NY
- S-158 EPIDURAL DEPODUR® 7.5MG AND 10MG A DOSE COMPARISON STUDY IN THE ELDERLY.**
J. A. Waring, M. Miller, P. Gupta, M. Pagala; Maimonides Medical Center, Brooklyn, NY
- S-159 RETROSPECTIVE STUDY OF POSTOPERATIVE PAIN AND COMPLICATIONS ASSOCIATED WITH BARIATRIC SURGERY IN MORBIDLY OBESE AND SUPER OBESE PATIENTS**
R. A. Karlinski, G. Sanders, D. Mangar, J. Basile, E. M. Camporesi; University of South Florida, Tampa, FL; Florida Gulf-to-Bay Anesthesiology Associates, Tampa, FL
- S-160 THE RELATIONSHIP BETWEEN OPTIMAL INITIAL IV PCA BASAL DOSE AND PRE- AND INTRAOPERATIVE CLINICAL DATA IN SURGICAL PATIENTS**
Y. Shiga, H. Yamaguchi, K. Motokawa, D. Aya, K. Yoshimuta; Tsukuba Medical Center Hospital, Tsukuba, Japan
- S-161 THE PREDICTION OF EPIDURAL PCA DURATION FOR POSTOPERATIVE PAIN RELIEF USING PERIOPERATIVE CLINICAL DATA IN SURGICAL PATIENTS**
K. Yoshimuta, H. Yamaguchi, K. Motokawa, D. Aya, Y. Shiga; Tsukuba Medical Center Hospital, Tsukuba, Japan
- S-162 PREEMPTIVE ANALGESIA WITH FLURBIPROFEN AXETIL MICROSPHERE INJECTION IN PATIENTS UNDERGOING GYNECOLOGICAL LAPAROSCOPIC SURGERY**
X. Wang, H. Zhang; The Dept. of Anesthesiology 01 PLA General Hospital, Beijing, China

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7:30 – 8:00 CONTINENTAL BREAKFAST – GRAND BALLROOM A

REVIEW COURSE LECTURES
GRAND BALLROOM A

8:00 - 8:45 **ANESTHESIA IN THE PATIENT WITH
CONGENITAL CARDIAC DISEASE**

R23

Isobel Russell, MD, PhD, FACC

Professor and Chief, Cardiac Anesthesia Services at
Moffitt Long Hospitals
Department of Anesthesia & Perioperative Care
University of California, San Francisco
San Francisco, CA

Learner Objectives: 1) To identify the common congenital heart lesions;
2) To understand anesthetic principles for the most common lesions.

8:50 - 9:30 **PERIPHERAL NERVE BLOCKS FOR
AMBULATORY SURGERY**

Kayser Enneking, MD

Associate Professor
Department of Anesthesiology
University of Florida College of Medicines
Gainesville, FL

Learner Objectives:

PANELS — GRAND BALLROOM C

8:00 - 9:30 **TEE – PERIOPERATIVE APPLICATIONS OF
ECHOCARDIOGRAPHY OUTSIDE OF THE CARDIAC
OR: CASE DISCUSSIONS**

James Ramsay, MD – Moderator

Roman Sniecinski, MD

Assistant Professor of Anesthesiology
Department of Anesthesiology, Division of
Cardiothoracic Anesthesia
Emory University School Of Medicine
Atlanta, GA

William S.S. Whitley, MD

Emory University Hospital
Atlanta, GA

James Ramsay, MD

Anesthesiology Service Chief
Professor of Anesthesiology
Emory University School of Medicine
Department of Anesthesiology
Emory University Hospital
Atlanta, GA

Michael Cahalan, MD

Professor and Chairman
Department of Anesthesiology
University of Utah Medical Center
Salt Lake City, UT

Learner Objectives: 1) The participant will learn the standard views used
in transesophageal echocardiography (TEE) to image the four cardiac
chambers, left and right ventricular function, and the pulmonary artery;
2) The participant will learn some clinical situations outside of the cardiac
surgery OR where TEE can be used to aid in diagnosis and management.



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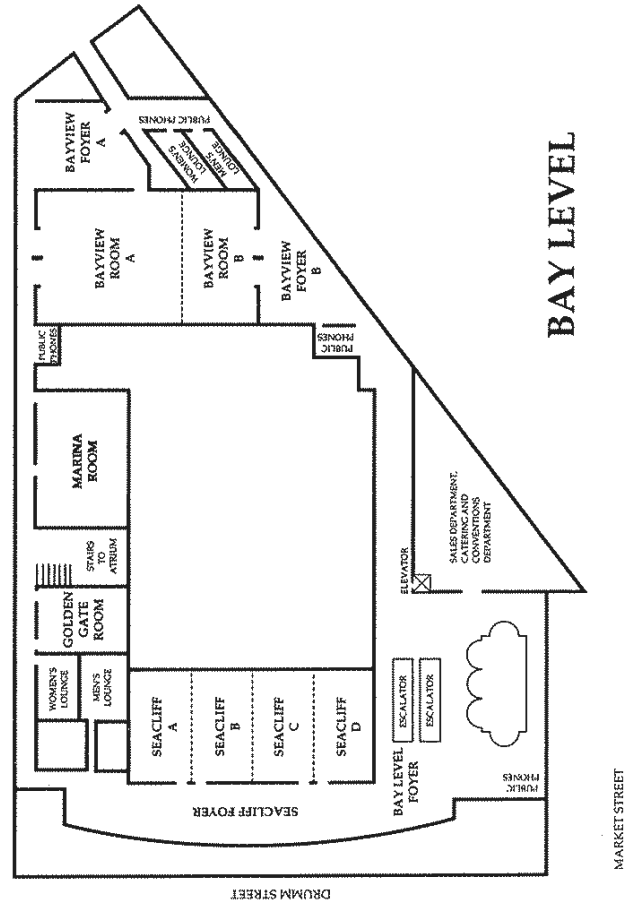
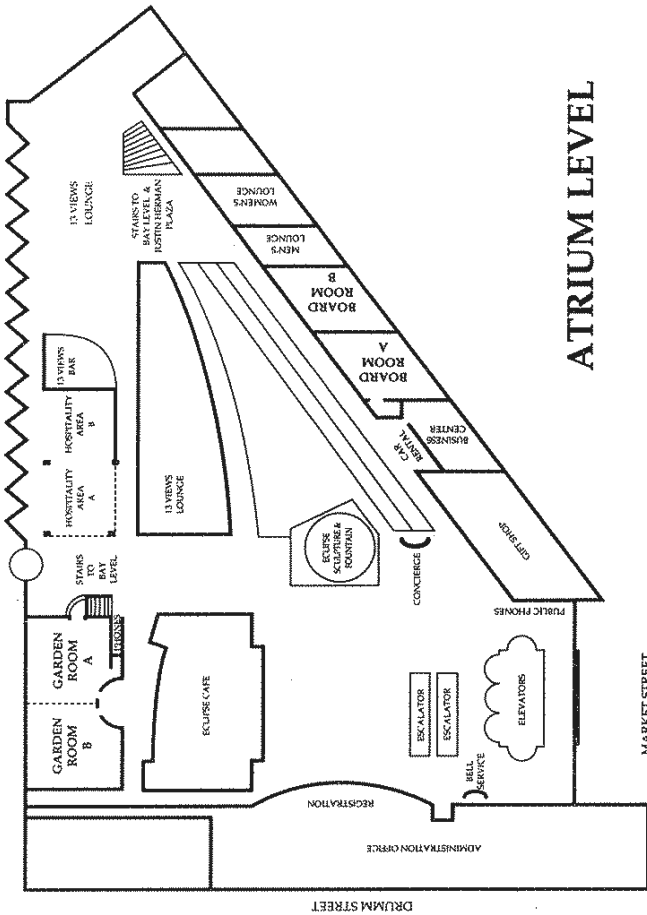
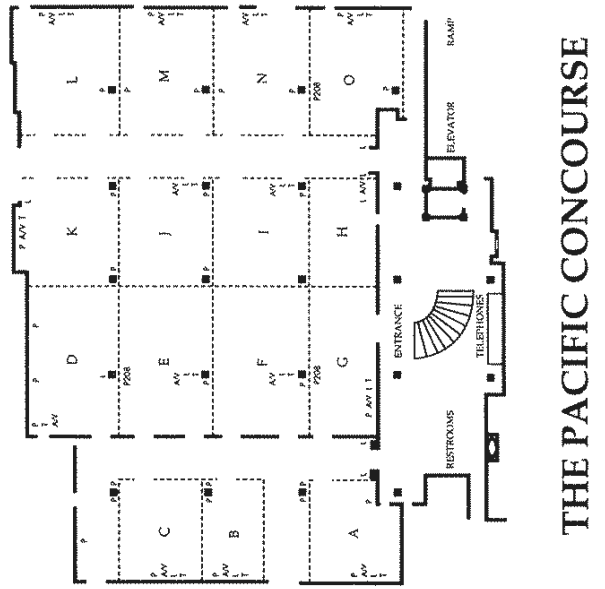
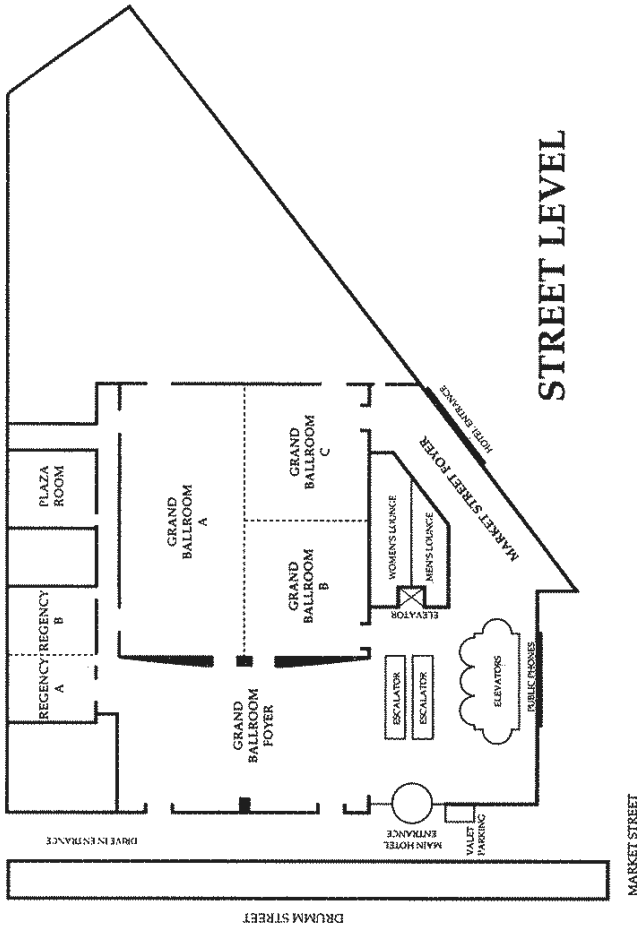


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Raghuvender Ganta, Oklahoma City, OK	Jerome Parness, Pittsburgh, PA	



**Scientific and Educational Exhibits
(in booth number order)**

EXHIBITOR	BOOTH #
Thomas Jefferson University Hospital.....	S-201
University of North Carolina at Chapel Hill.....	S-203
Oklahoma University Health Sciences Center	S-205
Oklahoma University Health Sciences Center	S-207
Oklahoma University Health Sciences Center	S-209
New York University Hospital for Joint Diseases	S-211
The Brookdale University Hospital and Medical Center	S-212
The Brookdale University Hospital and Medical Center	S-214

**Technical Exhibits
(in booth number order)**

EXHIBITOR	BOOTH #
Aspect Medical Systems	202
Global Perioperative Research Organization (GPRO)	204
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Parker Medical	514
LMA North America Inc.	601

Scientific and Educational Exhibits
Saturday through Monday – Pacific Concourse

Saturday, March 29
7:30-1:00

**Re-engineering the Pre-operative Booth: S-201
Anesthesia Consult Process: Implementation of an
Electronic System using portable wireless computers.**

Michael Saccocci, DO, MPH; Anna Greschner, MD;
Aseem Gupta, MD; Richard Epstein, MD
**Thomas Jefferson University Hospital,
Philadelphia, Pennsylvania**

Our exhibit will demonstrate the task-oriented approach to the re-engineering of a traditional paper preoperative anesthesia consult process into a fully integrated and efficient electronic system in a university hospital setting. Various illustrations and working demonstration models of our electronic consult system will be available.

**Rusch Evo Truview is a superior aid to. Booth: S-203
tracheal intubation in patients with difficult
airways than standard laryngoscopes.**

Mohammad Maroof, MD; Rashid M. Khan, MD; W.
Crocker, MD; S. Maroof, MD
**University of North Carolina at Chapel Hill,
Chapel Hill, North Carolina**

A complete glottic view is not assured with Macintosh laryngoscopy in patients with difficult-airway. Rusch-Truview-Evo laryngoscope incorporates an unmagnified optic side port with prism to its special blade. This provided a 42 degree additional anterior view. We intend to exhibit the advantages of Rusch evo scope over conventional laryngoscopes.

**A Journey through AnesthesiaBooth: S-205
(The History of Anesthesia, How It Affected America)**

Raghuvender Ganta, MD, FRCA; Usha Ramakrishnan,
MD; Snikiran Ramarapu, MD, FRCA; Michael Taylor,
MD; Tilak Raj, MD; Vaidy Rao, MD
**Oklahoma University Health Sciences Center,
Oklahoma City, Oklahoma**

Anesthesia is considered the greatest discovery so far in medical history. It is very interesting to know the evolution and progress made during the past several decades in the field of anesthesiology. There is a significant contribution made by American and European anesthesiologists. In this poster presentation a list of important events of anesthetic discoveries will be reviewed and displayed in the form of charts and pictures.

Sunday, March 30
7:30-1:00 and 4:30-6:30

**Perioperative Cardiovascular CareBooth: S-207
of Patients with recent Coronary
Stenting AAC/AHA Guidelines**

James R. Simonson, MD; Tilak Raj, MD; Teodora Nicolescu, MD; Pramod Chetty, MD
**Oklahoma University Health Sciences Center,
Oklahoma City, Oklahoma**

Recent coronary stenting along with dual antiplatelet therapy in patients undergoing non cardiac surgery can pose challenges for the anesthesiologist. This poster will review the current recommendations from the AHA/ACC in perioperative management of patients with recent PCI

**Perioperative Infection Control:Booth: S-209
Role of Anesthesiologist**

Raghuvender Ganta, MD; Val Barrett, DO; Atul Walia, DO; Ramarapu Snikiran, MD; Praveen Kalra, MD; Jacqueline Smith, MD
**University of Oklahoma Health Sciences Center,
Oklahoma City, Oklahoma**

Perioperative infection has been a critical issue for many decades. This can start anytime during the patient's stay in hospital. With the implementation of guidelines for appropriate use of antibiotics and reinforcing barrier protection has decreased the incidence of infections. In this exhibit, the national safety guidelines such as maintaining normothermia, tight glycemic control, timing of appropriate antibiotics to prevent infection will be emphasized and displayed in the form of charts.

**Simulators For Learning UltrasoundBooth: S-211
Guided Regional Anesthesia**

Andrew D. Rosenberg, MD; Jovan Popovic, MD; Maki Morimoto MD; Robert Altman, MD, PhD; Thomas J Blanck MD; Mitchell Marshall, MD; D.B. Albert, MD; D. Wambold, MD
**New York University Hospital for Joint Diseases,
New York City, New York**

Ultrasound guided regional anesthesia is becoming a popular technique for performing nerve blocks. We developed ultrasound simulators, that practitioners can use at the booth to gain "hands-on" experience prior to performing the technique on a patient. We will also present information on ultrasound and its use for upper and lower extremity blocks.

Scientific and Educational Exhibits (continued)

Treatment of Nausea and Vomiting Booth: S212 in Anesthetized Patients

Robert Spatz, MD; Mourad Fam, MD; Thomas J. Johann, MD; Roxana Boliuc-Kernis, MD; John Gerguis, MD; Michael Raflik, MD, PhD

**Brookdale University Hospital and Medical Center,
Brooklyn, New York**

Nausea and Vomiting in Patients underwent major surgery is a difficult problem for anesthesiologists to treat in the (PACU). The efficacy of postoperative nasogastric tube remains a subject of some debate. We will demonstrate and compare the efficacy of medical treatment versus nasogastric tube in prevention of nausea and vomiting.

New Methods of Introduction of the Booth: S214 Endotracheal Tube in the Use of (Glidescope) In Difficult Intubation

Robert Spatz, MD; Ashraf Samaan, MD; Joshua Jedwak, DO; Aymen Samaan, MD; D. Dass Madhu, MD; Michael Raflik, MD, PhD

**Brookdale University Hospital and Medical Center,
Brooklyn, New York**

The method of endotracheal tube introduction via the Glidescope has been via the use of "stiff" stylet on the left side of the mouth. visualization of the glottis is obstructed when the endotracheal tube is 75% passed. We present different techniques to get 100% visualization of the vocal cords in difficult intubation.

Exhibitor Symposia

Exhibitor symposia provide opportunities for registrants to obtain information about products at a time when the IARS meetings are not in session. There is no fee to attend. PLEASE NOTE the symposia are under the total direction of the sponsoring companies. The IARS is not involved in any way except to make a structured time available to all exhibiting companies that wish to sponsor seminars and all registrants who wish to attend them.

Sunday, March 30, 6:30 am – 7:30 am
Hyatt Regency Embarcadero · Garden Room

GE Healthcare

Pharmacological Models Benefit or Burden?

Speaker: Ron Makin

A review of the application of pharmacokinetic, pharmacodynamic and response surface models to clinical practice. This talk will provide a review of the application of these models to clinical practice and any possible benefits that have ensued in their use.

Monday, March 31, 11:45 am – 1:00 pm
Hyatt Regency Embarcadero · Garden Rooms A/B

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Neuromuscular Blockade: Monitoring and Reversal

Speakers: Aaron F. Kopman, MD; Keith A. Candiotti, MD

Neuromuscular blocking agents have long assisted anesthesiologists in successful surgical outcomes. Properly dosing and then reversing the patient and monitoring neuromuscular function as a routine clinical procedure will maximize patient safety and optimize cost effectiveness. This symposium will highlight the importance of each of these processes and focus on best practices.

Technical Exhibits
Saturday through Monday –Great and Exhibition Halls

Saturday, March 29
7:30-1:00

Sunday, March 30
7:30-1:00 and 4:30-6:30

Monday, March 31
7:30-12:00

ANESTHESIOLOGY NEWS (AN).....Booth: 306
New York, NY

Anesthesiology News (AN) is the best-read publication in anesthesiology, is mailed monthly to over 40,000 anesthesiologists and anesthesiology residents in the United States, and offers extensive coverage of major clinical meetings. It provides the latest information covering these meetings and offers feature stories on topics relevant to practicing clinical anesthesiologists.

ARMSTRONG MEDICAL INDUSTRIES INC.Booth: 308
Lincolnshire, IL

Armstrong Medical is a manufacturer and distributor with a 50 year commitment to bringing the finest medical equipment to the hospital, EMS, and medical education communities. Our catalog includes such fine products as the A-Smart® Premier™ Aluminum Carts, Actar D-fib® CPR/AED Manikin, Actar AED Trainer, S-SCORT® new-DUET™ Suction Unit, Broselow®/Hinkle Pediatric Resuscitation System.

ASPECT MEDICAL SYSTEMSBooth: 202
Norwood, MA

Aspect Medical Systems, Inc. manufactures and markets patient monitoring technology that directly measures the effects of anesthetics and sedatives on the brain. By using Aspect's BIS® technology clinicians are able to optimize administration of anesthetics and sedatives and improve the cost effectiveness, quality and safety of patient care.

BAXTER HEALTHCARE.....Booth: 402
New Providence, NJ

Baxter stands for high-quality products, excellence in service and integrity in business practices. We are strongly committed to addressing and meeting the needs of our customers, to building successful relationships with our suppliers, and caring for our world community. Baxter's pharmaceutical products include the inhalation anesthetics SUPRANE (desflurane, USP), SEVOFLURANE and FORANE (isoflurane, USP), BREVIBLOC (esmolol HCl) injection in vials, BREVIBLOC PREMIXED (esmolol HCl in sodium chloride) injection.

CARDIOTRONIC, INC.Booth: 312
La Jolla, CA

The AESCULON® monitor determines noninvasively Stroke Volume, Cardiac Output and other hemodynamic parameters to aid clinical assessment, diagnosis and therapy. Electrical Velocimetry™ is a new patented technology which measures the change of blood resistivity due to the alignment of red blood cells in the aorta upon pulsatile flow.

CAS MEDICAL SYSTEMS INC.Booth: 513
Branford, CT

CAS Medical Systems, a leader in vital signs monitoring systems, presents the FORE-SIGHT® Cerebral Oximeter, a compelling new technology for the continuous monitoring of absolute cerebral tissue oxygen saturation. This non-invasive device enables tailored patient management and a reduction in catastrophic desaturation events. Visit us at booth number 513 or online at www.CASMED.com/FORE-SIGHT.

COOK MEDICALBooth: 406
Bloomington, IN

Cook Medical was the first company to introduce interventional devices in the United States. Today, the company participates in all global markets, integrating device design, biopharma, gene and cell therapy and biotech to enhance patient safety and improve clinical outcomes. Cook won the prestigious Medical Device Manufacturer of the Year for 2006 from Medical Device and Diagnostic Industry magazine. For more information, visit www.cookmedical.com.

DOCUSYS, INC.Booth: 506
Mobile, AL

DocuSys is a leading anesthesia information management system (AIMS) and medication management system provider, maximizing the quality of care and return on investment in surgery. DocuSys' modular design permits integration with hospital information systems (HIS), electronic drug-dispensing cabinets, infusion pumps, physiologic monitors and other systems where IV medication delivery is key.

Technical Exhibits
Saturday through Monday – Event Center

Saturday, March 29
7:30-1:00

Sunday, March 30
7:30-1:00 and 4:30-6:30

Monday, March 31
7:30-12:00

EDWARDS LIFESCIENCES.....Booth: 413
Irvine, CA

Edwards Lifesciences offers an extensive line of hemodynamic monitoring tools including the FloTrac system for fluid optimization, the PreSep venous oximetry catheter, the Swan-Ganz pulmonary artery catheter, pressure transducers and closed blood sampling systems. Since the introduction of the Swan-Ganz catheter in the early 1970's, Edwards has partnered with clinicians to develop products and systems that advance the care and treatment of the critically ill. Each solution employs advanced technologies to provide optimum insight and maximum efficiency and enables clinicians to make more informed and rapid decisions...earlier.

ESCALON VASCULAR ACCESSBooth: 403
Wayne, PA

Escalon Vascular Access provides Ultrasound Guided Devices for all Assisted Vascular Access needs. Escalon's Visual Ultrasound Devices-VascuView™ and Ultrasound Doppler Needle Assemblies-PD Access™ both offer state-of-the-art technology to access vessels quickly and accurately.

ETHOX INTERNATIONAL, INC.Booth: 404
Buffalo, NY

Ethox International manufactures disposable medical devices used in hospital anesthesia and Operating and Emergency theaters. Ethox products includes disposable infusers, gastric lavage kits and tubes, disposable BP cuffs, wound irrigation devices, instrument holders and enteral feeding tubes. Ethox products are USA FDA registered, ISO Certified and carry the CE mark.

EZC MEDICAL, LLC.....Booth: 310
San Francisco, CA

The Intubaid is an economical single-use disposable imaging stylet for endotracheal intubation that contains its own light source and may be used with any TV monitor or endotracheal tube. The Intubaid enables all first responders and anesthesiologists to see the airway before, during and after successful intubation.

GE HEALTHCAREBooth: 501
Madison, WI

GE is dedicated to helping you transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies, medical diagnostics, patient monitor systems, drug discovery, and biopharmaceutical manufacturing technologies is enabling healthcare professionals around the world discover new ways to predict, diagnose, and treat disease earlier.

GLOBAL PERIOPERATIVE RESEARCH ORGANIZATION (GPRO)Booth: 204
Durham, NC

The Global Perioperative Research Organization (GPRO) is an academic research organization (ARO) that serves as a global coordinating center for multicenter perioperative clinical trials. GPRO integrates the medical expertise of Duke University Medical Center and the scientific thought leadership of the International Anesthesia Research Society (IARS) with the operational capabilities of a full-service clinical research organization (CRO) at Duke University's Clinical Research Institute.

HOSPIRA WORLDWIDE, INC.Booth: 301
Lake Forest, IL

For more information, stop by Hospira's booth or please call 1-877-946-7747 to learn the latest regarding Precedex® (dexmedetomidine HCl Injection) and the SEDLine™ Brain Function Monitoring System. Hospira, Inc. is a global specialty pharmaceutical and medication delivery company dedicated to Advancing Wellness™ by developing, manufacturing and marketing products that help improve the safety and efficacy of patient care.

INDIGO ORB INC.Booth: 414
Irvine, CA

The Episure™ AutoDetect™ is a spring loaded Loss of Resistance (LOR) syringe used during epidural anesthetic procedures. The Episure™ AutoDetect™ provides an objective, visual confirmation of loss of resistance as opposed to the subjective "feel" required with standard LOR syringes. Available in single units and in a variety of epidural trays.

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7:30-12:00

LMA NORTH AMERICA, INC.Booth: 601
San Diego, CA

LMA North America, Inc. is a San Diego-based company dedicated to continuously improving patient care through the marketing and sales of high quality, innovative, proprietary products for anesthesia and critical care. The LMA™ family of products have significantly improved patient outcomes and been used on over 250 million patients worldwide.

MASIMOBooth: 314
Irvine, CA

Masimo develops noninvasive patient monitoring technologies that help advance critical care. Masimo SET Read-Through Motion and Low Perfusion pulse oximetry and Masimo Rainbow SET technologies provide breakthrough monitoring capabilities including oxygenation, perfusion, critical blood constituents and functional hemodynamics. Masimo's portfolio of products lead the way in patient safety, performance and innovation.

MCKESSON.....Booth: 412
Alpharetta, GA

Designed by anesthesiologists, we offer a logic-driven tool intended to complement - not supplant - the anesthesiologist's expertise. Supports the need for fast, accurate documentation, decision support and outcomes management. The result? A legally sound electronic medical record. McKesson Anesthesia Care – the Power to Improve Patient Safety.

MEDPRO SOLUTIONSBooth: 409
Pensacola, FL

We stay ahead of healthcare trends so that our clients stay ahead of the revenue cycle management curve. With more than 60 years of hands-on billing experience we've streamlined the process, allowing MedPro to keep your costs down. We take healthcare reimbursement and infuse it with consistency and accountability.

MINRAD INTERNATIONAL INC.Booth: 502
Orchard Park, NY

MINRAD International, Inc. is an interventional pain management company with real-time image guidance, anesthesia and analgesia products. The image guidance products facilitate minimally invasive surgery especially for pain management and have broad applications in numerous specialties. MINRAD also manufactures and markets generic inhalation anesthetics for human and veterinary surgical procedures.

NOVO NORDISK, INC.Booth: 405
Princeton, NJ

Novo Nordisk is a global healthcare company with an 80-year history of innovation and achievement in diabetes care. Novo Nordisk manufactures and markets a comprehensive portfolio of diabetes care products. Novo Nordisk also has a leading position within such areas as hemostasis and growth hormone therapy.

ORGANON USA INC.Booth: 302
Roseland, NJ

Organon, a part of Schering-Plough, a renowned international ethical pharmaceutical company committed to pursuing innovations within Anesthesia, invites you to visit our booth to learn more about the latest clinical information for Zemuron® (rocuronium bromide).

PARKER MEDICAL.....Booth: 514
Englewood, CO

Parker Medical designs and develops innovative airway management products for facilitating rapid, accurate and safe intubations. We will feature an expanded line of the award winning Flex-Tip endotracheal tube. New products include Parker EasyCurve Endotracheal Tubes, Flex-Tip Reinforced tubes, improved Flex-It Stylets, and the disposable silicone Parker Laryngeal Mask device.

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PENTAX MEDICAL COMPANY.....Booth: 407
Montvale, NJ

The PENTAX-AWS airway scope incorporates advanced imaging technology and unparalleled ergonomic design. Utilizing high-resolution color images, identification of anatomical structures can be easily obtained. When combined with our unique targeting system, fast and accurate placement of the endotracheal tube is achieved while minimizing patient trauma. Just another way PENTAX helps you Empower Excellence in the workplace.

SAUNDERS/MOSBY/CHURCHILL.....Booth: 401
Roseville, CA

Medical Publisher

STRYKERBooth: 307
Kalamazoo, MI

Stryker, a global leader in medical device products, delivers results through a wide range of capabilities including level of consciousness monitors, pain management systems, powered surgical instruments, surgical navigation systems, endoscopic products, patient handling and emergency medical equipment.

ULTRASONIX MEDICAL CORP.Booth: 309
Richmond, BC, Canada

Ultrasonix Medical Corporation specializes in diagnostic ultrasound and is dedicated to providing its customers with superior ultrasound solutions and support for better patient care. Working in partnership with a growing global network, Ultrasonix is constantly expanding its leading edge technology available around the world.

VERATHON MEDICALBooth: 304
Bothell, WA

The GlideScope® Video Laryngoscope, from Verathon®, is designed for 1st Pass Success. GlideScope® offers a consistently clear view of the airway, enabling quick intubation. With its innovative design, GlideScope® is less traumatic for patients than traditional methods, and is easy to learn, use and teach. (www.verathon.com)

WOLTERS KLUWER HEALTH-LWWBooth: 311
Philadelphia, PA

Visit Wolters Kluwer Health – Lippincott Williams & Wilkins, proud publisher of Anesthesia & Analgesia, official journal of the International Anesthesia Research Society. Activate your online access and sign up for free eAlerts! Browse our complete line of publications, including Barash, Cullen & Stoelting's Clinical Anesthesia, Fifth Edition.

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