



# IARS

International Anesthesia Research Society

## *Preliminary Program*

**IARS 2010 Annual Meeting**  
**Saturday, March 20 – Tuesday, March 23**

**International Science Symposium**  
**SAFEKIDS**  
**Saturday, March 20**

- *Benefit ... from four days of outstanding education featuring best practices in clinical care and the latest advances in anesthesia research*
- *Interact with ... leading anesthesia educators and investigators*
- *Choose from ... 20 Review course lectures, 19 panels, 6 workshops, and special abstract award sessions*
- *Join ... Michael F. Roizen, MD, as he presents the T.H Seldon Memorial Lecture: "Sweet Sixteen: A Life Just Starting: Yours"*
- *Focus on ... SAFEKIDS as the International Science Symposium presents a workshop on the safety of key inhaled anesthetics and intravenous drugs in children and young adults*

**Hilton Hawaiian Village**  
**Honolulu, Hawaii**

Visit [www.iars.org](http://www.iars.org) for  
updated information on the Annual Meeting

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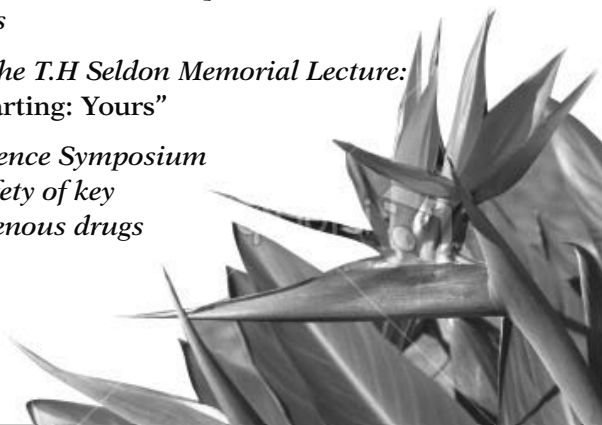
# IARS 2010 ANNUAL MEETING • HILTON HAWAIIAN VILLAGE • HONOLULU HAWAII

	REGISTRATION & EXHIBITS	REVIEW COURSE LECTURES	PANELS	PANELS	WORKSHOPS	SPECIAL SESSIONS
	6:30 - 1:30 REGISTRATION CONTINENTAL BREAKFAST					
S M	7:00 - 8:30	7:50 am - 8:40 am Neuromuscular Blockers and Their Reversal in 2010 - Donati	7:00 am - 8:30 am ISAP: Pain Pharmacology - Outside the Box	7:00 am - 8:30 am SCA: Pharmacologic Treatment of Ischemia With Beta Blockers		International Science Symposium/SAFEKIDS 11:00 am - 12:00 am General Session 12:15 pm - 2:00 pm SAFEKIDS Workshop
a	8:30 - 9:00	9:00 am - 9:50 am Anaphylactic and Anaphylactoid Reactions in the Surgical Patient - Levy	9:00 am - 10:30 am SAMBA: Current Cardiac Issues in Ambulatory Anesthesia	9:00 am - 10:30 am Management, Economics and Politics	8:00 am - 12:00 pm Advanced Ultrasound Guided Nerve Block	
t r	9:00	9:50 am - 10:40 am Update on Thoracic Epidurals: Are the Benefits Worth the Risks? - Van Allen				
u c						
r h						
d						
a 2	10:30 - 11:00	11:00 am - 11:50 am Rapid Reversal of Anticoagulation: Octaplex and FVIIa - Cheng	11:00 am - 12:30 pm Anesthesia Myths	11:00 am - 12:30 pm LICAGE: Managing the Patient With Renal Insufficiency During High Risk Surgery: What Can We Learn From Liver Transplantation?		
y 0						
	6:30 - 1:30 REGISTRATION CONTINENTAL BREAKFAST					
	6:30 - 7:00					
	7:00 - 8:30	7:00 am - 7:50 am Can Regional Anesthesia Coexist With DVT Prophylaxis? - Horlocker	7:00 am - 8:30 am SMACC: The Society of Neurological Anesthesiologists 7:00 am - 8:30 am SOAP: The High-BMI Parturient: Issues and Implications	7:00 am - 8:30 am Airway Management: Past, Present, and Future	7:00 am - 9:00 am Vascular Access Ultrasound Workshop	
M	8:30 - 9:00	7:50 am - 8:40 am Does Blood Save Lives? - Koch				
a	9:00 - 10:30					
n c	10:30 - 11:00					
d h						
a						
y 2	11:00 - 2:00	11:00 am - 11:50 am Neuroanesthesia For the Occasional Neuroanesthesiologist - Gelb	11:00 - 12:00 pm ABA: Programs For Initial Certification and Maintenance of Certification in Anesthesiology (MOCA)			
1		11:50 am - 12:40 pm Perioperative Control of Hypertension: When Does It Adversely Affect Perioperative Outcome? - Sca	11:00 am - 12:30 pm IARS Anesthesiology Teaching Recognition Award Session		11:00 am - 2:00 pm Airway Workshop	
		12:40 pm - 1:30 pm Perioperative Approach to Patients With Respiratory Disease: Is There A Role for Pulmonary Function Evaluation? - Gal				
	6:30 - 1:30 REGISTRATION CONTINENTAL BREAKFAST					
	6:30 - 7:00					
M	7:00 - 8:30	7:00 am - 7:50 am Vexing Pediatric Anesthesia Issues Typically Confronted By the Generalist Anesthesiologist - Davis	7:00 am - 8:30 am STA: Aims: What Can It Do For You Today?	7:00 am - 8:30 am American Society of Critical Care Anesthesiologists		
M o	8:30 - 9:00	7:50 am - 8:40 am Valvular Heart Disease in the Patient Undergoing Non-Cardiac Surgery - Hussmeier			7:00 am - 10:00 am Ultrasound, Simulation and Stimulation For Peripheral Nerve Blocks	
n c	9:00 - 10:30	9:00 am - 9:50 am PONV - Do We Have the Stomach For This? - White	9:00 am - 10:30 am Knowledge Acquisition in the Future	9:00 am - 10:30 am PACU		9:00 am - 10:30 am Kosaka Abstract Session
d h		9:50 am - 10:40 am News You Can Use: OB Anesthesia in the 21st Century - Wong				
a						
y 2	10:30 - 11:00	11:00 am - 11:50 am Obstructive Sleep Apnea: Diagnosis and Management in the Surgical Patient - Gross	11:00 am - 12:30 pm Anesthesia Patient Safety Foundation	11:00 am - 12:30 pm ASRA: American Society of Regional Anesthesia and Pain Medicine		11:30 am - 1:00 pm Best of Meeting Session
2		11:50 am - 12:40 pm Does Fluid Restriction Improve Outcomes of Surgical Patients? - Geln				
	6:30 - 10:30 REGISTRATION CONTINENTAL BREAKFAST					
	6:30 - 7:00					
M	7:00 - 9:00	7:00 am - 7:50 am What's New in Critical Care Medicine? - Spencer	7:00 am - 8:30 am Evidence Debate		7:00 am - 9:00 am TEE Basic Workshop	
a						
u r						
e c						
s h						
d						
a 2	9:00 - 10:30	9:00 am - 9:50 am Use and Abuse of Statistics - Shwartz				
y 3		9:50 am - 10:40 am Update On Malignant Hyperthermia - Weidel				

# Plan now...

## ***to attend the IARS Annual Meeting and International Science Symposium — SAFEKIDS March 20-23 in Honolulu, Hawaii***

- **Benefit ...** from four days of outstanding education featuring best practices in clinical care and the latest advances in anesthesia research
- **Interact with ...** leading anesthesia educators and investigators
- **Choose from ...** 20 Review course lectures, 19 panels, 6 workshops, and special abstract award sessions
- **Join ... Michael F. Roizen, MD** as he presents the T.H Seldon Memorial Lecture: “Sweet Sixteen: A Life Just Starting: Yours”
- **Focus on ... SAFEKIDS** as the International Science Symposium presents a workshop on the safety of key inhaled anesthetics and intravenous drugs in children and young adults



### **IARS 2010 Annual Meeting Program Co-Chairs**

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Indianapolis, Indiana

Davy C.H. Cheng, MD  
University of Western Ontario  
London, Ontario, Canada

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**IARS**  
International Anesthesia Research Society

## **IARS INTERNATIONAL SCIENCE SYMPOSIUM / SAFEKIDS**

**The International Anesthesia Research Society (IARS)  
and the Food and Drug Administration (FDA)  
present the SAFEKIDS Symposium – focusing on  
the safety of key inhaled anesthetics and intravenous drugs  
in children and young adults.**

**Saturday, March 20, 2010**

**11:00 am – 12:00 pm. . . . General Session**

**12:15 pm – 4:00 pm. . . . Workshop**

**11:00 am – 12:00 pm  
General Session**

**Emery N. Brown, MD, PhD**  
Professor of Computational Neuroscience  
and Health Sciences and Technology  
Department of Brain and Cognitive Sciences  
MIT-Harvard Division of Health Sciences  
and Technology  
Boston, Massachusetts

**12:15 – 4:00 pm  
Workshop**

**John W. Olney, MD**  
John P. Feighner Professor of  
Psychiatry, Professor of Pathology  
and Immunology  
Washington University in St. Louis  
Department of Psychiatry  
St. Louis, Missouri

**Andrew J. Davidson, MBBS, MD,  
FANZCA**  
Department of Anaesthesia and  
Pain Management  
The Royal Children's Hospital Melbourne  
Victoria, Australia

**Peter J. Davis, MD**  
Anesthesiologist-in-Chief  
Children's Hospital of Pittsburgh  
Professor of Anesthesiology & Pediatrics  
University of Pittsburgh  
School of Medicine  
Pittsburgh, Pennsylvania

**ABOUT SAFEKIDS:** Non-clinical studies in juvenile animal models show that exposure to some anesthetics and sedatives is associated with memory and learning deficits and other neurodegenerative changes in the central nervous system. There are suggestions from this early research that some anesthetics may be safer than others when administered to very young children, especially if they require repeated surgeries. However, insufficient human data exist to support or refute the possibility that similar effects could

occur in children. The FDA is partnering with professional anesthesiology societies, academic research institutions, patient advocacy groups, industry, and other government and nonprofit organizations to conduct the SAFEKIDS Initiative, a multi-year effort designed to make anesthesia safer for children by addressing the gaps in the scientific information.

**\*Information provided as of press time: For updates to the International Science Symposium please visit [www.iars.org](http://www.iars.org)**

**T.H. SELDON MEMORIAL LECTURE**  
**Sunday, March 21, 2010 • 9:30 – 10:30 am**

**“SWEET SIXTEEN:  
A LIFE JUST STARTING: YOURS”**

**Which Michael F. Roizen, MD will show up? He co-discovered a drug now approved by the FDA when a patient developed a problem for which no easy solution was available. He started 7 companies, all when challenged by patient problems for which no solution was available. He started a preoperative clinic at two institutions ‘cause’ none were available to facilitate patients getting optimal care. He brought vascular anesthesia and echocardiography to evidence based practice and fostered the Society of Cardiovascular Anesthesia teaming up with the IARS ‘cause’ such efforts would make medicine safer for patients. He co-founded two foundations to facilitate patient education in two different fields ‘cause’ no help for patient education in these fields existed, and he became the first Chief Wellness Officer at a major institution, ‘cause’ no major academic medical institution fostered keeping patients out of their illness system. All are likely, as the focus of his work as a chair for nearly 20 years of Anesthesia departments has always been the same—to foster patient well-being.**

Michael F. Roizen is a Phi Beta Kappa graduate of Williams College and Alpha Omega Alpha graduate of the University of California, San Francisco, School of Medicine. He performed his residency in internal medicine at Harvard’s Beth Israel Hospital and completed Public Health Service at the National Institutes of Health in the laboratory of Irv Kopin and Nobel Prize winner Julius Axelrod. He is certified by both the American Boards of Internal Medicine and of Anesthesiology. Dr Roizen is the cofounder and chair of the RealAge, Inc. Scientific Advisory Board. He is 64 calendar years of age, but his RealAge is 44.6.

Dr. Roizen is a past chair of a Food and Drug Administration advisory committee and a former editor for six medical journals. He has published more than 165 peer-reviewed scientific papers, 100 textbook chapters, 30 editorials, and 4 medical books, (one, a medical Best-seller), and received 14 U.S. and many foreign patents. He is one of the co-founder of the web site RealAge.com, recently sold to the Hearst Corp., and still chairs its Scientific Advisory Board. One of the drugs he co-invented and developed for hospice patients was approved for sale in 2008. He has sold his share in the royalties from this drug.

After 9 years on the faculty at the University of California, San Francisco, he chaired the department of Anesthesia and Critical Care at the University of Chicago. He then became dean of the School of Medicine and vice president for Biomedical Sciences at SUNY Upstate. He accepted a position as chair of the Division of Anesthesiology, Critical Care Medicine, and Comprehensive Pain Management at the Cleveland Clinic. In 2007 Dr. Roizen was named the Chief Wellness Officer for Cleveland Clinic, the first such position in a major healthcare institution in the United States. Dr. Roizen also serves as Chairman of the Wellness Institute at Cleveland Clinic.

His first general audience book, *RealAge: Are You as Young as You Can Be?* (HarperCollins Publishers) became a #1 *New York Times* bestseller and was awarded the Best Wellness Book of 1999 by the Books for a Better Life Awards. *RealAge* has been translated into more than 40 languages and was #1 in four other countries, displacing *Harry Potter* for 7 days as #1 on Amazon. Other books include the *New York Times* bestseller *The RealAge Diet: Make Yourself Younger with What You Eat* (HarperCollins), written with Dr. John La Puma, *Cooking the RealAge Way* (Harper Collins), also with Dr. La Puma., and *The RealAge Makeover* (HarperCollins).

**Michael F. Roizen, MD**

Chief Wellness Officer (CWO) and Chair  
Cleveland Clinic Wellness Institute  
Cleveland, Ohio



His book, *YOU: The Owner’s Manual* (HarperCollins), written with HealthCorps founder Dr. Mehmet Oz, debuted in May 2005 and became a #1 *New York Times* bestseller (sold more than 4.4 million hardcover copies worldwide; was the #2 best selling book published in 2005 in 2005-- displacing *Harry Potter* for 35 days as #1 on Amazon & BN.com. and has been translated into 47 languages). It was followed by the *NY Times* bestseller *YOU: The Smart Patient*, co-written with the Joint Commission. Their next book, *YOU: On A Diet, the Owner’s Manual for Waist Management*, debuted at #1 on the *New York Times* list (11 consecutive weeks at #1 and 17 consecutive weeks in top 3) with 21 printings totaling over 2.4 million copies in the first three weeks ( it was the #2 best selling book published in 2006 in 2006). Their next book, *YOU Staying Young, the Owner’s Manual for Extending Your Warranty* also debuted at #1 on the *New York Times* list, and is listed by *People Magazine* as the #3 selling book in the world in 2007. Their book, *YOU: Being Beautiful* was on the *New York Times* list for its first 9 weeks, and recently published is *YOU: Having A Baby, the Owner’s Manual for a Happy and Healthy Pregnancy*.

Dr. Roizen has given over 1,400 lectures to professional medical groups and has been recognized with over 20 professional lectureships. He has appeared on *The Oprah Winfrey Show* (17 times), *The Dr Oz show* (where he is Chief Medical Consultant (many times), *Today* 19 times, 20/20 (3 times), *CBN* (19 times), *CNN* (many), *CBS, Good Morning America* (28 times), *Canada AM* (33 times), *The Montel Williams Show, Larry King Live* (3 times), and has five PBS fundraising specials (his fundraising special *The RealAge Makeover* was one of the top two PBS special fundraisers in 2006, now with over 7000 showings). His next PBS special: *YOU: On A Diet* has now had more than 12,000 showings. He and Mehmet Oz write a daily newspaper column syndicated to 71 newspapers by King Syndication, and host an hour of Oprah radio daily. He also has a 2-hour 26 station Terrestrial show entitled: *YOU: the Owner’s Manual Radio Show*, live every Saturday.

Dr. Roizen started the Lifestyle 180 program at the Cleveland Clinic that routinely takes patients at the Cleveland Clinic Wellness Institute who are in the midst of struggling with tobacco, heart, or diabetic, or arthritic problems and coaches them with simple (but persistent) lifestyle changes to be able to live, feel, look, and be years younger. He chaired the United Way Fund Raising effort at the Cleveland Clinic in 2006, and has served on the boards of five non-profit foundations. He served as President of the Society of Cardiovascular Anesthesiologists in 1997-8, and has won over 75 trophies in class A squash competition. His wife is a developmental pediatrician also listed in the Best Doctors in America. He and his wife are avid CAVs fans. The Roizens have two children: Jenny, a PhD graduate of the California Institute of Technology, and Jeffrey, an MD/PhD graduate of Washington University, and resident at Children’s Hospital of Philadelphia.

***T.H. SELDON MEMORIAL LECTURE***

Was established to honor Dr. “Harry” Seldon the *Anesthesia & Analgesia* Editor-In-Chief for 23 years from 1954-1976. It became the Seldon Memorial Lecture in 1992 after Dr. Seldon’s death in 1991.

**DAILY SCHEDULE AT-A-GLANCE**

6:30 am – 1:30 pm	Registration
6:30 am – 7:00 am	Continental Breakfast
7:00 am – 1:00 pm	Concurrent Education Sessions <ul style="list-style-type: none"> <li>• Review Course Lectures</li> <li>• Panels</li> <li>• Workshops</li> </ul>
7:00 am – 2:00 pm	Poster Sessions
8:00 am – 1:00 pm	Tabletop Exhibits
11:00 am – 4:00 pm	IARS International Science Symposium SAFEKIDS

**REVIEW COURSE LECTURES**

**7:50 – 8:40 am**     **RCL-01**  
**NEUROMUSCULAR BLOCKERS AND THEIR REVERSAL IN 2010**

**Francois Donati, PhD, MD, FRCPC**  
 Professor, Department of Anesthesiology  
 Université de Montréal  
 Montreal, Quebec, Canada

Learner Objectives: (1) To describe the issues associated with neuromuscular blockers such as failed intubation, awareness and inadequate paralysis; (2) To review the prevention and management of residual paralysis; (3) To anticipate how management could be modified by the introduction of sugammadex.

**9:00 – 9:50 am**     **RCL-02**  
**ANAPHYLACTIC AND ANAPHYLACTOID REACTIONS IN THE SURGICAL PATIENT**

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

Learner Objectives: (1) Review the different life threatening anaphylactic and allergic reactions a clinician may encounter; (2) Understand different mechanisms of anaphylaxis and discuss agents most often responsible for reactions including drugs, blood products, and environmental agents including latex; (3) Discuss therapeutic approaches to the treatment and prevention of anaphylactic reactions and cardiopulmonary dysfunction that occurs.

**REVIEW COURSE LECTURES**

**9:50 – 10:40 am**     **RCL-03**  
**UPDATE ON THORACIC EPIDURALS: ARE THE BENEFITS WORTH THE RISKS?**

**Hugo Van Aken, MD, PhD, FRCA, FANZCA**  
 Professor  
 Department of Anesthesiology and  
 Intensive Care  
 University Hospital Muenster  
 Münster, Germany

Learner Objectives: (1) The cardiovascular effects of thoracic epidural anesthesia are different from those of lumbar epidural anesthesia; (2) Benefits of thoracic epidural anesthesia are: improved analgesia, decreased cardiac morbidity and mortality, improved postoperative pulmonary function, improved bowel function, reduced postop. insuline resistance, improved immune function, improved tissue oxygen tension, improved health-related quality of life, reduction of cancer recurrence(?); (3) Global incidence of epidural haematoma is approximately 1 of 4000; (4) For routine clinical practice drug-based thromboembolism prophylaxis should be started the evening after surgery.

**11:00 – 11:50 am**     **RCL-04**  
**RAPID REVERSAL OF ANTICOAGULATION: OCTAPLEX AND FVIIa**

**Davy C.H. Cheng, MD, MSc, FRCPC, FCAHS**  
 Professor and Chair, Chief  
 Department of Anesthesia &  
 Perioperative Medicine  
 University of Western Ontario  
 London, Ontario, Canada

Learner Objectives: (1) To discuss the perioperative management for reversal of excessive anticoagulation; (2) To review the mechanism of action in hemostasis for Prothrombin Complex Concentrates Octaplex and FVIIa; (3) To understand the use and misuse of Octaplex and FVIIa.

**11:50 am – 12:40 pm**     **RCL-05**  
**PERIOPERATIVE GLUCOSE CONTROL**

**George M. Hall, MB, BS, PhD, DSc**  
 Professor of Anesthesia  
 St. George's, University of London  
 London, United Kingdom

Learner Objectives: (1) To understand the pathophysiology of the hyperglycemia of surgery; (2) To understand the deleterious effects of hyperglycemia; (3) To review the evidence on glucose control in surgical patients, diabetic and non-diabetic; (4) To consider the risks and benefits of perioperative glucose control.

Sessions and presenters listed are as of press time and subject to change. Visit [www.iars.org](http://www.iars.org) for updates to the program.

## PANELS

7:00 – 8:30 am



**Panel-01**  
**PAIN PHARMACOLOGY – OUTSIDE THE BOX**

**Moderator: Pamela Flood, MD**  
 Associate Professor of Clinical Anesthesiology  
 Department of Anesthesiology  
 Columbia University  
 New York, New York

**Treating Pain with Viruses: Are You Kidding?**

**Quinn H. Hogan, MD**  
 Professor of Anesthesiology  
 Medical College of Wisconsin  
 Milwaukee, Wisconsin

**New Data about an Old Drug: The Role of Intravenous Lidocaine in the Management of Acute and Chronic Pain**

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

**Applications of Clinical Pharmacology to Optimize Post Operative Analgesia**

**Ken B. Johnson, MD**  
 Associate Professor  
 Departments of Anesthesiology and  
 Biomedical Engineering  
 University of Utah  
 Salt Lake City, Utah

**Analgesia for the Future**

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

**Learner Objectives:** In this session the attendee will learn:  
 (1) The most up to date treatments for acute and chronic pain;  
 (2) Treatments that are under investigation; and (3) Details on how to individualize pain management. All aspects of anesthesia care will be addressed.

## PANELS

7:00 – 8:30 am



**Panel-02**  
**PHARMACOLOGIC TREATMENT OF ISCHEMIA WITH BETA BLOCKERS**

**Myocardial Ischemia Infarction: Mechanisms**

**Paul Pagel** (*invited speaker*)  
 Anesthesiologist  
 Zablocki Veterans Affairs Medical Center  
 Elm Grove, Wisconsin

**Implications of Perioperative Anemia**

**W. Scott Beattie, FRCPC, MD, PhD**  
 Professor  
 Deputy Chief, Anesthesia  
 Department of Anesthesia and Pain  
 Management  
 Toronto General Hospital,  
 Toronto, Ontario, Canada

**New Guidelines for Treatment**

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

9:00 – 10:30 am



**Panel-03**  
**CURRENT CARDIAC ISSUES IN AMBULATORY ANESTHESIA**

**Moderator: Peter S.A. Glass, MB, ChB**

**Peter S.A. Glass, MB, ChB**  
 Professor and Chair  
 Department of Anesthesiology  
 Stony Brook University Medical Center  
 State University of New York  
 Stony Brook, New York

**Raafat S. Hannallah, MD**  
 Professor of Anesthesiology  
 Children's National Medical Center  
 Principal Investigator,  
 Children's Research Institute  
 Center for Clinical and  
 Community Research (CCCR)  
 Professor, Anesthesiology and Critical Care  
 Medicine, Pediatrics  
 George Washington University School of  
 Medicine & Health Sciences  
 Washington, DC

**Barbara S. Gold, MD**  
 Associate Professor of Anesthesiology  
 Vice-Chair of Education,  
 Anesthesiology Department  
 University of Minnesota  
 Minneapolis, Minnesota

**PANELS**

**9:00 – 10:30 am Panel-04**  
**MANAGEMENT, ECONOMICS AND POLITICS**  
**What I Have Learned from Performing Departmental Consultations**  
**Franklin Dexter, MD, PhD**  
 Director, Division of Operations Research  
 Professor, Departments of Anesthesia and Health Management & Policy  
 University of Iowa  
 Iowa City, Iowa

Learner Objectives: (1) Increases in productivity depend principally on anesthesiologists, not nursing directors; (2) Productivity is very sensitive to decisions made a few months before the day of surgery; (3) Productivity is lower than needed principally because of insufficient reliance on quantitative decision-support, the reason for which is not just lack of knowledge, but human psychological biases.

**Anesthesia Payment and Healthcare Reform in the USA: What's the Latest?**

**Jerome M. Adams, MD, MPH**  
 Department of Anesthesia  
 Indiana University School of Medicine  
 Indianapolis, Indiana

Learner Objectives: (1) Discuss the different payers for anesthesia services in the United States; (2) Understand how Medicare payment methodologies affect anesthesiologists; (3) Recognize the major points of contention and negotiation as pertaining to healthcare reform in the United States; (4) Appreciate how healthcare reform in the United States will affect anesthesiologists and the availability of anesthesia services.

**PANELS**

**11:00 – 12:30 pm Panel-05**  
**ANESTHESIA MYTHS**  
**Regional Anesthesia is Fun but Sure Wastes Time and Money**  
**James R. Hebl, MD**  
 Associate Professor of Anesthesiology  
 Mayo Clinic  
 Rochester, Minnesota

**There is Never a Reason to Use a Right Sided Lumen Tube**

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

**Treating Perioperative Hypertension: Any Old Drug Will Do**

**Charles W. Hogue, Jr., MD**  
 Associate Professor of Anesthesiology and Critical Care  
 Johns Hopkins University Medical School  
 Baltimore, Maryland  
 Associate Editor-in Chief for  
*Cardiovascular Anesthesiology*

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

**11:00 am – 12:30 pm**



Liver Intensive Care Group of Europe

**Panel 06**  
**LICAGE PANEL**

**Managing the Patient With Renal Insufficiency During High Risk Surgery: What Can We Learn From Liver Transplantation?**

**John R. Feiner, MD**  
 Professor, Department of Anesthesia and Perioperative Care  
 University of California  
 San Francisco, California

**Cardiovascular Issues in Patients with End-Stage Liver Disease: What Can We Learn from Liver Transplantation?**

**Helge Eilers, MD**  
 Associate Professor of Clinical Anesthesia  
 Department of Anesthesia and Perioperative Care  
 University of California  
 San Francisco, California

## WORKSHOPS

8:00 am –  
12:00 pm**W-01**  
**ADVANCED ULTRASOUND GUIDED**  
**NERVE BLOCK\*****Vincent W.S. Chan, MD, FRCPC**  
Professor, Department of Anesthesiology  
University of Toronto  
Toronto Western Hospital  
Toronto Ontario, CanadaAdditional workshop panelists  
to be announcedThe Advanced Ultrasound Guided Nerve  
Block Workshop will provide hands-on  
experience in scanning:

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

**Learner Objectives:** Upon completion of this Advanced Ultrasound Workshop, participants will be able to: (1) Perform ultrasound imaging of small peripheral nerves, sciatic nerve, paravertebral space and neuraxial space; (2) Recognize appropriate clinical indications and alternatives for ultrasound guided blocks in the described regions; (3) 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.

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

***Application deadline extended to  
November 15, 2009***  
***IARS will grant up to \$320,000 in  
Clinical Scholar Research Awards***

**Clinical Scholar Research Awards** – Created to further the understanding of clinical practice in anesthesiology and related sciences through clinical investigations. Research must involve human subjects, in vivo or in vitro. The maximum amount to be awarded for any project is \$80,000 paid in two equal annual installments. Please note that institutional indirect expenses are not funded. The principal applicant must be a member of the IARS and an 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. Prior recipients of an IARS Clinical Scholar Research Award are not eligible to apply. In general, previous or current recipients of NIH R01 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. The awards will go to projects that are judged by peer review to have high scientific merit and high probability of success. Priority funding will be awarded to those proposals that are independent of other extramural grant support. Experienced investigators working in new areas will receive consideration. The proposed project must have direct relevance to the specialty of anesthesiology. Up to four recipients will be selected for the 2010 award.

***For more information, visit IARS online at  
[www.iars.org/awards/clinicals.asp](http://www.iars.org/awards/clinicals.asp)***

**DAILY SCHEDULE AT-A-GLANCE**

6:30 am – 1:30 pm	Registration
6:30 am – 7:00 am	Continental Breakfast
7:00 am – 1:30 pm	Concurrent Education Sessions <ul style="list-style-type: none"> <li>• Review Course Lectures</li> <li>• Panels</li> <li>• Workshops</li> </ul>
7:00 am – 2:00 pm	Poster Sessions
8:00 am – 1:00 pm	Tabletop Exhibits
9:00 am – 9:30 am	IARS Award Announcements
9:30 am – 10:30 am	T.H. Seldon Memorial Lecture

**REVIEW COURSE LECTURES**

**7:00 – 7:50 am RCL-06**  
**CAN REGIONAL ANESTHESIA COEXIST WITH DVT PROPHYLAXIS?**

**Terese T. Horlocker, MD**  
 Professor of Anesthesiology and Orthopedics  
 Mayo Clinic  
 Rochester, Minnesota

Learner Objectives: (1) Review the standards for thromboprophylaxis and pharmacologic of anticoagulant and antiplatelet medications; (2) Discuss the risk factors for spinal hematoma; (3) Develop strategies for the regional anesthetic management of patients receiving thromboprophylaxis.

**7:50 – 8:40 am RCL-07**  
**DOES BLOOD SAVE LIVES?**

**Colleen Koch, MD, MS, FACC**  
 Professor of Anesthesiology  
 Cleveland Clinic Lerner College of Medicine of Case Western Reserve University  
 Vice Chair, Education and Research  
 Department of Cardiothoracic Anesthesia  
 Cleveland Clinic  
 Cleveland, Ohio

Learner Objectives: (1) The objective of this session is for the participant to recognize the association between red cell transfusion and adverse outcomes in patients with cardiovascular disease undergoing cardiac surgery; (2) In addition, the participant will become aware of structural and functional changes in red cell products with increasing storage duration and implications of these changes on patient outcome.

**Sessions and presenters listed are as of press time and subject to change. Visit [www.iars.org](http://www.iars.org) for updates to the program.**

**REVIEW COURSE LECTURES**

**9:00 - 9:30 am IARS Award Announcements**

**9:30 - 10:30 am T.H. SELDON MEMORIAL LECTURE**



**“Sweet Sixteen:  
 A Life Just Starting: Yours”**

**Michael F. Roizen, MD**  
 Chief Wellness Officer (CWO) & Chair  
 Cleveland Clinic Wellness Institute  
 Cleveland, Ohio

Learner Objectives: (1) To describe why anesthesia has made so many contributions, and why it will be essential to improving patient well being; (2) To describe why communication and community involvement are key to your helping each of your patients do their best; (3) To discuss how you get a do-over in your life, and why a second and a third anesthesia residency should be in your plans.

**11:00 – 11:50 am RCL-08**  
**NEUROANESTHESIA FOR THE OCCASIONAL NEUROANESTHESIOLOGIST**

**Adrian W. Gelb, MBChB, FRCPC**  
 Professor of Anesthesiology  
 University of California, San Francisco  
 San Francisco, California

Learner Objectives: (1) Discuss the pathophysiology of common disorders requiring neurosurgery; (2) Review the important anesthetic implications including drug choice and monitoring; (3) Develop these concepts into a practical approach to guide management.

**11:50 am – 12:40 pm RCL-09**  
**PERIOPERATIVE CONTROL OF HYPERTENSION: WHEN DOES IT ADVERSELY AFFECT PERIOPERATIVE OUTCOME?**

**John W. Sear, MA, PhD, FFARCS, FANZCA**  
 Professor  
 University of Oxford  
 John Radcliffe Hospital  
 Oxford, United Kingdom

Learner Objectives: Hypertension is one of the commonest co-morbidities in surgical patients; in the United States, it affects about 25% of all adults over the age of 40 years. There are few data on whether hypertension affects outcome in noncardiac surgical patients. The following questions summarize some of the present controversies in the management of these patients: (1) Are all therapies effective at control of the hemodynamic responses to noxious stimuli; (2) Does drug therapy affect perioperative outcome; (3) Does hypertension contribute to adverse postoperative cardiovascular events; (4) What should be done for the surgical patient with isolated systolic hypertension or ‘white-coat’ hypertension; (5) Which groups (if any) should the anesthetist consider canceling?

REVIEW COURSE LECTURES

12:40 – 1:30 pm **RCL-10**  
**PERIOPERATIVE APPROACH TO PATIENTS WITH RESPIRATORY DISEASE: IS THERE A ROLE FOR PULMONARY FUNCTION EVALUATION?**  
**Thomas J. Gal, MD**  
 Emeritus Professor of Anesthesiology  
 University of Virginia Health System  
 Charlottesville, Virginia


Learner Objectives: (1) Review functional factors which contribute to increased perioperative morbidity in patients with respiratory disease; (2) Examine the role and efficacy of measures to improve pulmonary function preoperatively; (3) Identify benefits/disadvantages of various anesthetic drugs and techniques.


**Moderated Poster Sessions**

Moderators selected for their experience and expertise will conduct poster rounds by abstract category and briefly discuss the abstracts with attendees and abstract authors.

Abstracts will be available on-line in February 2010 and the schedule will be listed in the Final Program distributed on site at the Annual Meeting.

PANELS

7:00 – 8:30 am **Panel-07**  
**PANEL: THE SOCIETY OF NEUROSURGICAL ANESTHESIA AND CRITICAL CARE (SNACC)**  
  
 Please visit [www.iars.org](http://www.iars.org) for updates and information regarding the SNACC Panel Session.  
**SNACC**  
SOCIETY OF NEUROSURGICAL ANESTHESIA AND CRITICAL CARE

7:00 – 8:30 am **Panel-08**  
**THE HIGH BMI PARTURIENT: ISSUES AND IMPLICATIONS**  
  
**Moderator: Lawrence C. Tsen, MD**  
**The High BMI Parturient: Does the Additional Weight Really Matter?**  
**Lawrence C. Tsen, MD**  
 President, Society for Obstetric Anesthesia and Perinatology  
 Co-Editor in Chief, *International Journal of Obstetric Anesthesia*  
 Associate Professor in Anaesthesia, Harvard Medical School  
 Vice Chair, Department of Anesthesiology, Perioperative and Pain Medicine  
 Brigham and Women's Hospital  
 Boston, Massachusetts

**The High BMI Parturient: Does Ultrasound Guidance Make a Difference with Neuraxial Technique Placements?**  
**Jose CA Carvalho, MD, PhD, FANZCA, FRCPC**  
 Associate Professor of Anesthesia and Obstetrics and Gynecology,  
 University of Toronto  
 Director of Obstetric Anesthesia,  
 Mount Sinai Hospital  
 Toronto, Ontario, Canada

**Safely Off to Sleep: General Anesthesia in the High BMI Parturient**  
**Vilma E. Ortiz, MD**  
 Assistant Professor in Anesthesia  
 Harvard Medical School  
 Director, Bariatric Anesthesia  
 Department of Anesthesia, Critical Care and Pain Medicine  
 Associate Anesthetist  
 Massachusetts General Hospital  
 Boston, Massachusetts

Learner Objectives: Describe the incidence of high BMI in the pregnant population, and specific implications to anesthetic preparation and care; (2) Discuss the basics of sonoanatomy of the lumbar spine, and its unique application to spinal and epidural anesthesia in the high BMI patient; (3) Discuss the airway and respiratory system changes in the high BMI patient and the relevance to intubation, emergence, and postoperative issues.

**PANELS**

7:00 – 8:30 am

**Panel-09**

**AIRWAY MANAGEMENT:  
PAST, PRESENT, AND FUTURE**

**Moderator: Makoto Ozaki, MD, PhD**  
Professor and Chair, Department of Anesthesiology  
Tokyo Women's Medical University  
Tokyo, Japan

**Airway Management: Past**

**Yoshimasa Takeda, MD, PhD**  
Senior Assistant Professor  
Okayama University Medical School  
Okayama, Japan

**Airway Management: Present**

**Akihiro Suzuki MD, PhD**  
Assistant Professor  
Department of Emergency Medicine and Intensive Care  
Asahikawa Medical College  
Asahikawa, Japan

**Airway Management: Future**

**Masashi Nakagawa, MD, PhD**  
Chief of Department of Anesthesiology  
Social Insurance Kinan Hospital  
Tanabe City, Wakayama, Japan

**Learner Objectives:** Upon completion of this course the attendee will have learned: (1) History of airway visualization devices, from very primitive gastric camera to latest gismos; (2) How to utilize the latest airway management devices; (3) The future of difficult airway management systems.

11:00 am –  
12:00 pm



**Panel-10**

**ABA PROGRAMS FOR INITIAL  
CERTIFICATION AND MAINTENANCE  
OF CERTIFICATION IN  
ANESTHESIOLOGY (MOCA)**

**Initial Certification**

- Comparison of the Part 1 and Part 2 examinations, what each is designed to test.
- Specific areas evaluated in the Part 2 examination.
- The mechanism of the Part 2 examination.
- Common problems encountered by candidates in the examination system.
- Common reasons for failure in the Part 2 examination process.

**Maintenance of Certification (MOCA®)**

- The components of the MOCA program.
- Life-Long Learning and Self-Assessment (LLSA) requirements and CME activities that would be acceptable to the ABA.
- Assessments of Professional Standing and Practice Performance and Improvement.
- Cognitive Examination and the prerequisites for examination.
- Internet-based processes developed by the ABA to facilitate diplomate registration and participation.
- MOCA-SUBS, for maintenance of subspecialty certification.

**PANELS**

11:00 am –  
12:30 pm

**Panel-11**

**IARS ANESTHESIOLOGY TEACHING  
RECOGNITION AWARD SESSION**

*Join us as we recognize the 2009 Anesthesiology Teaching Recognition Award Recipients and learn first hand about their extraordinary education contributions.*

**Moderator: James G. Ramsay, MD**  
Chair, Anesthesiology Teaching Award Recognition Award Committee  
Professor of Anesthesiology  
Emory University Hospital  
Atlanta, Georgia

**2009 Recipient  
Achievement in Education**

**Adam I. Levine, MD**  
Program Director  
Associate Professor, Anesthesiology  
Associate Professor, Structural and Chemical Biology  
Mount Sinai School of Medicine  
New York, New York

**2009 Recipient  
Innovation in Education**

**Medge D. Owen, MD**  
President, Kybele, Inc.  
Professor, Obstetric Anesthesia  
Wake Forest University School of Medicine  
Winston-Salem, North Carolina

**Learner Objectives:** The IARS Anesthesiology Teaching Recognition Award session will provide attendees with insight from outstanding educators on: (1) How to involve residents in clinical research; (2) Constructive approaches to evaluation of clinical competence; (3) Developing methods that properly assess teaching effectiveness.

**PANELS**

11:00 am –  
12:30 pm



**Panel-12**  
**PEDIATRIC ANESTHESIA:**  
**ARE WE HARMING OUR CHILDREN?**

**Moderator: Lynn D. Martin, MD,**  
**FAAP, FCCM**

**Anesthesia-Related Neurotoxicity in**  
**Pediatrics: Laboratory Evidence**

**Joseph R. Tobin, MD**  
President, Society for Pediatric Anesthesia  
Professor and Chairman  
Department of Anesthesiology  
Wake Forest University School of Medicine  
Winston-Salem, North Carolina

**Learner Objectives:** The participants will: (1) Understand the laboratory evidence for developmental neurotoxicity of modern anesthetic agents; (2) Learn the wide scope of designs, and interpretation limitations of laboratory experiments involving anesthetic agents.

**Anesthesia-Related Neurotoxicity in**  
**Pediatrics: Human Evidence**

**Randall P. Flick, MD, MPH**  
Assistant Professor of Anesthesiology  
Chair, Division of Pediatric Anesthesiology  
Medical Director, Eugenio Litta Children's  
Hospital  
Mayo Clinic  
Rochester, Minnesota

**Learner Objectives:** Attendees will develop an understanding of the laboratory and clinical data pertaining to recent concerns regarding anesthetic exposure in young children and subsequent learning disabilities.

**Narcotic-Related Toxicity**  
**in Pediatrics: Is There Any?**

**Kathleen Larkin, MD**  
Clinical Assistant Professor  
Department of Anesthesiology & Pain  
Management  
Lucile Packard Children's Hospital  
Stanford University  
Stanford, California

**Regional Anesthesia in Pediatrics:**  
**The Better Option?**

**Lynn D. Martin, MD, FAAP, FCCM**  
Vice President/President Elect, Society for  
Pediatric Anesthesia  
Professor of Anesthesiology & Pediatrics (Adj.)  
University of Washington School of Medicine  
Director, Department of Anesthesiology &  
Pain Medicine  
Seattle Children's  
Seattle, Washington

**Learner Objectives:** At the end of this educational activity the participants will be able to integrate updated information regarding the risks and benefits of regional anesthesia in infants and small children.

**WORKSHOPS**

7:00 – 9:00 am

**W-02**  
**VASCULAR ACCESS ULTRASOUND**  
**WORKSHOP**

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

Additional workshop panelists  
to be announced

**Learner Objectives:** The goal of this workshop is to provide participants with the necessary information to increase knowledge and improve performance through the accomplishment of these objectives. At the end of this course, the participant should be able to: (1) Apply the basic principles of ultrasound to cannulating various arteries, central and peripheral veins; (2) Identify surface and ultrasound landmarks required for practice of safe vascular access; (3) Identify commonly cannulated arteries and veins with ultrasound; (4) Apply different methods of observing the needles using ultrasound imaging (in plane and out of plane); (5) Create a digital record of the ultrasound examination; (6) Practice imaging the needles in Phantoms.

11:00 am –  
2:00 pm

**W-03**  
**AIRWAY WORKSHOP**

**Daniel A. Diedrich, MD**  
Department of Anesthesiology  
Mayo Clinic  
Rochester, Minnesota  
**Michael T. Walsh, MD**  
Department of Anesthesiology  
Mayo Clinic  
Rochester, Minnesota

Additional workshop panelists  
to be announced

**Learner Objectives:** 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.

## DAILY SCHEDULE AT-A-GLANCE

6:30 am – 1:00 pm	Registration
6:30 am – 7:00 am	Continental Breakfast
7:00 am – 1:00 pm	Concurrent Education Sessions <ul style="list-style-type: none"><li>• Review Course Lectures</li><li>• Panels</li><li>• Workshops</li></ul>
7:00 am – 2:00 pm	Poster Sessions
8:00 am – 1:00 pm	Tabletop Exhibits

## REVIEW COURSE LECTURES

- 7:00 – 7:50 am**    **RCL-11**  
**VEXING PEDIATRIC ANESTHESIA ISSUES TYPICALLY CONFRONTED BY THE 'GENERALIST' ANESTHESIOLOGIST**  
**Peter J. Davis, MD**  
Anesthesiologist-in-Chief  
Children's Hospital of Pittsburgh  
Professor of Anesthesiology & Pediatrics  
University of Pittsburgh School of Medicine  
Pittsburgh, Pennsylvania

Learner Objectives:

- (1) Are parents useful (in the operating room)?
  - a. To discuss the developmental differences in child development
  - b. To review the incidence of postanesthesia behavioral disturbances
  - c. To determine the benefit of parental presence in the operating room
- (2) Will anesthesia make my child stupid?
  - a. To determine the incidence of cognitive impairment following anesthesia in adults
  - b. To review the animal data of neonatal neurotoxicity
  - c. To review the human data of neonatal anesthesia exposure on learning disabilities

- 7:50 – 8:40 am**    **RCL-12**  
**VALVULAR HEART DISEASE IN THE PATIENT UNDERGOING NON-CARDIAC SURGERY**  
**Nancy Nussmeier, MD**  
Professor and Chair  
Department of Anesthesiology  
SUNY Upstate Medical University  
Department of Anesthesiology  
Syracuse, New York

Learner Objectives: (1) The learner will understand the pathophysiology of valvular heart lesions including mitral stenosis and regurgitation, aortic stenosis and regurgitation, and hypertrophic cardiomyopathy; (2) Discuss appropriate preoperative evaluation of patients with valvular heart lesion(s); (3) Discuss anesthetic management (anesthetic goals and therapeutic options) of the patient with valvular heart disease presenting for non-cardiac surgery.

## REVIEW COURSE LECTURES

- 9:00 – 9:50 am**    **RCL-13**  
**PONV—DO WE HAVE THE STOMACH FOR THIS?**

**Paul F. White, PhD, MD, FANZCA**  
Professor and Holder of the  
Margaret Milam McDermott  
Distinguished Chair in Anesthesiology  
Department of Anesthesiology & Pain  
Management  
University of Texas Southwestern Medical  
Center at Dallas, Texas  
Visiting Scientist at Cedars Sinai Medical  
Center in Los Angeles, CA and Policlinico  
Abano, Abano Terme, Italy  
President, The White Mountain Institute  
Los Altos, California

Learner Objectives: (1) Discuss the impact of PONV on recovery and patient satisfaction; (2) Describe the key patient, anesthetic and surgical factors which contribute to PONV; (3) Review pharmacologic and non-pharmacologic therapies for PONV; (4) Discuss the concept of modal antiemetic prophylaxis and the role of newer antiemetics.

- 9:50 – 10:40 am**    **RCL-14**  
**NEWS YOU CAN USE: OB ANESTHESIA IN THE 21ST CENTURY**

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

Learner Objectives: By the end of this lecture, participants should be able to: (1) Understand the relationship between the density epidural labor analgesia and the outcome of vaginal delivery; (2) Explain how the mode of drug delivery into the epidural space (bolus vs. infusion) effects characteristics of neuroblockade; (3) Explain the reasoning behind choice of vasopressors (ephedrine and phenylephrine) for the treatment of neuraxial-anesthesia induced hypotension during cesarean delivery; (4) Understand the benefits and limits of crystalloid and colloid administration for the prevention of hypotension during spinal anesthesia for cesarean delivery; (5) Understand the current knowledge regarding the association between neuraxial labor analgesia and fetal bradycardia.

Sessions and presenters listed are as of press time and subject to change. Visit [www.iars.org](http://www.iars.org) for updates to the program.

**REVIEW COURSE LECTURES**

**11:00 – 11:50 am RCL-15**  
**OBSTRUCTIVE SLEEP APNEA: DIAGNOSIS AND MANAGEMENT IN THE SURGICAL PATIENT**  
**Jeffrey B. Gross, MD**  
 Professor and Chairman, Department of Anesthesiology  
 University of Connecticut School of Medicine  
 Farmington, Connecticut

Learner Objectives: At the completion of this course, participants will: (1) Be aware of the prevalence of obstructive sleep apnea in the surgical population; (2) Understand the appropriate pre-procedure evaluation and preparation for patients with known or suspected obstructive sleep apnea; (3) Formulate an appropriate perioperative management plan for patients with obstructive sleep apnea; (4) Develop selection criteria for obstructive sleep apnea patients who might be candidates for outpatient surgery; (5) Be familiar with the American Society of Anesthesiologists Guidelines for Perioperative Management of Patients with Obstructive Sleep Apnea.

**11:50 am – 12:40 pm RCL-16**  
**DOES FLUID RESTRICTION IMPROVE OUTCOMES OF SURGICAL PATIENTS?**  
**Tong J. (TJ) Gan, MD, FRCA, FFARCS (I), Lic.Ac**  
 Professor of Anesthesiology  
 Vice Chair for Clinical Research  
 Duke University Medical Center  
 Durham, North Carolina

Learner Objectives: This presentation discusses the role of perioperative fluid management in postoperative outcome. Evidence will be presented on fluid restriction as well as individualized goal directed fluid management strategies in improving postoperative outcomes.

**PANELS**

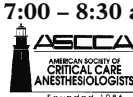
**7:00 – 8:30 am Panel-13**  
**AIMS: WHAT CAN IT DO FOR YOU TODAY?**  
**Moderator: Mohamed Rehman, MD**  
**Mohamed Rehman, MD**  
 Pediatric Anesthesiologist  
 Director HIM Department of Anesthesia  
 Children's Hospital of Philadelphia  
 Philadelphia, Pennsylvania



Additional panelists to be announced

Learner Objectives: In this session the attendee will understand: (1) The basic anatomy of AIMS; (2) Data collections: issues we still face today (3) Data utilization: how can data be used for research; and (4) Using AIMS to improve reimbursement.

**7:00 – 8:30 am Panel-14**  
**AMERICAN SOCIETY OF CRITICAL CARE ANESTHESIOLOGISTS**  
**Moderator: Daniel R. Brown, MD, PhD**  
**Daniel R. Brown, MD, PhD**  
 Department of Anesthesiology  
 Mayo Clinic  
 Rochester, Minnesota



Please visit [www.iars.org](http://www.iars.org) for updates and information regarding the ASCCA Panel Session.

**Moderated Poster Sessions**

Moderators selected for their experience and expertise will conduct poster rounds by abstract category and briefly discuss the abstracts with attendees and abstract authors.

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PANELS

9:00 – 10:30 am **Panel-15**  
**KNOWLEDGE ACQUISITION  
IN THE FUTURE**  
**Innovative Technologies to  
Enhance Residency Training**  
**Edward C. Nemergut, MD**  
Associate Professor of Anesthesiology and  
Neurosurgery  
Program Director  
Department of Anesthesiology  
University of Virginia Health System  
Charlottesville, Virginia

**Learner Objectives:** At the end of this session attendees will understand how: (1) New technologies can enhance clinical training; (2) New technologies can enhance didactic learning; (3) New technologies can enhance facilitating self-directed learning and study.

**Is Print Dead?**

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

**Learner Objectives:** Following the presentation, the participants will: (1) Understand the economic and practical reasons that are driving journals to publish exclusively on-line; (2) Understand the economic and psychological reasons that many individuals continue to prefer print journals; (3) Understand relative strengths of print vs. online publication; (4) Understand options for rapidly accessing peer reviewed material online; (5) Understand the relationship between journals and online CME programs.

9:00 – 10:30 am **Panel-16**  
**PACU**  
**Is the PACU an Outdated Concept with  
Short Acting Anesthetic Agents?**  
**Peter S.A. Glass, MB, ChB**  
Professor and Chair  
Department of Anesthesiology  
Stony Brook University Medical Center  
State University of New York  
Stony Brook, New York

**PACU Safety Myths**

**Panelist to be announced**

**Mishaps in Management in the PACU**

**Yuguang (Gary) Huang, MD**  
Professor and Chairman  
Department of Anesthesiology  
Peking Union Medical College Hospital  
Beijing, China  
Scientific Director, Chinese Language Edition,  
*Anesthesia & Analgesia*

PANELS

11:00 am – 12:30 pm  
**Panel-17**  
**THE ANESTHESIA PATIENT  
SAFETY FOUNDATION**



Please visit [www.iars.org](http://www.iars.org) for updates and information regarding the APSF Panel Session.

11:00 am – 12:30 pm  
**Panel-18**  
**THE AMERICAN SOCIETY OF REGIONAL  
ANESTHESIA AND PAIN MEDICINE**



**Moderator: Vincent W.S. Chan, MD, FRCPC**

**Vincent W.S. Chan, MD, FRCPC**  
President, The American Society of Regional Anesthesia and Pain Medicine (ASRA)  
Professor, Department of Anesthesiology  
University of Toronto  
Toronto Western Hospital  
Toronto, Ontario, Canada

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

**Terese T. Horlocker, MD**  
Professor of Anesthesiology and Orthopedics  
Mayo Clinic  
Rochester, Minnesota

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

**WORKSHOPS**

7:00 – 10:00 am

**W-04**  
**ULTRASOUND, SIMULATION AND STIMULATION FOR PERIPHERAL NERVE BLOCKS**

**Andrew D. Rosenberg, MD**  
Chairman, Department of Anesthesiology,  
Hospital for Joint Diseases and  
Orthopedic Surgery  
Langone Medical Center  
New York University  
New York, New York

**Robert Altman, MD**  
Hospital for Joint Diseases,  
Orthopaedic Institute  
New York, New York

**Levon Capan, MD**  
New York University  
New York, New York

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

**Jacques Chelly, MD**  
University of Pittsburgh  
Pittsburgh, Pennsylvania

**Christopher Kent, MD**  
University of Washington  
Seattle, Washington

**Jung T. Kim, MD**  
New York University  
New York, New York

**Sunmi Kim, MD**  
New York University  
New York, New York

**Danielle Ludwin, MD**  
Columbia University  
New York, New York

**Maki Morimoto, MD**  
New York University  
New York, New York

**Daniel O'Neill, MD**  
New York University  
New York, New York

**Santhanam Suresh, MD**  
Children's Memorial Hospital  
Chicago, Illinois

**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 locks and femoral nerve blocks utilizing ultrasound simulators.

11:00 am –  
2:00 pm

**W-05**  
**Repeat Session**  
**ULTRASOUND, SIMULATION AND STIMULATION FOR PERIPHERAL NERVE BLOCKS**

If you missed the morning workshop we will repeat it during this time period.

**ABSTRACT AWARD JUDGING SESSIONS**

**9:00 – 10:30 am KOSAKA ABSTRACT SESSION**

The Kosaka Abstract Session is designed to promote interaction between Japanese anesthesiology researchers and their scientific colleagues throughout the world.

The session highlights the 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).

**Kosaka Judges**

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

**Adrian W. Gelb, MBChB, FRCPC**  
University of California, San Francisco  
San Francisco, California

**Colleen Koch, MD**  
Cleveland Clinic Foundation  
Cleveland, Ohio

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

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

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. He dedicated himself to establish the America-Japan Anesthesia Congress in an effort to promote science in anesthesia and friendship between IARS and the Japan Society for Clinical Anesthesia.

**11:30 am-1:00 pm BEST OF MEETING**

New for 2010! In 2010 for the first time, IARS will award a 'Best of Meeting' separately to an abstract describing **patient-oriented research** and to an abstract describing **basic science research**.

Authors of the eight highest scoring abstracts in these two categories will be asked to present their research to a panel of judges during the 'Best of Meeting' session.

**Best of Meeting Judges**

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

**Davy C.H. Cheng, MD, MSc, FRCPC FCAHS**  
University of Western Ontario  
London, Ontario, Canada

**Colleen Koch, MD, MS, FACC**  
Cleveland Clinic Foundation  
Cleveland, Ohio

**DAILY SCHEDULE AT-A-GLANCE**

6:30 am – 10:30 am	Registration
6:30 am – 7:00 am	Continental Breakfast
7:00 am – 10:30 am	Concurrent Education Sessions <ul style="list-style-type: none"><li>• Review Course Lectures</li><li>• Panels</li><li>• Workshop</li></ul>

**REVIEW COURSE LECTURES**

**7:00 – 7:50 am**     **RCL-17**  
**WHAT'S NEW IN**  
**CRITICAL CARE MEDICINE?**  
**Robert N. Sladen, MD, FCCM**  
Professor and Vice Chair of Anesthesiology and Chief, Division of Critical Care, Department of Anesthesiology College of Physicians & Surgeons of Columbia University New York, New York

Learner Objectives: (1) Update on management of vasodilatory shock, including vasopressin, selective vasopressin analogs, methylene blue; (2) Update on management of acute lung injury, including new approaches to mechanical ventilation, HFO and ECMO; (3) Update on renal protection, including new biomarkers and the evidence basis for pharmacologic interventions; (4) Update on palliative care, and its role in the intensive care unit.

**7:50 – 8:40 am**     **RCL-18**  
**HOW DOES AN INJURY CAUSE PAIN?**  
**Tony L. Yaksh, PhD**  
Professor and Vice Chair for Research Department of Anesthesiology, and Professor of Pharmacology University of California, San Diego LaJolla, California

Learner Objectives: (1) Understand mechanisms by which injury/inflammation activates the terminals of subpopulations of primary afferents; (2) Define the dorsal horn connections by which afferent traffic leads to supraspinal activation; (3) Review systems by which acute injury can lead to aberrant and persistent (chronic) pain states.

**REVIEW COURSE LECTURES**

**9:00 – 9:50 am**     **RCL-19**  
**USE AND ABUSE OF STATISTICS**  
**Steven L. Shafer, MD**  
Professor of Anesthesiology  
Columbia University  
New York, New York  
  
Editor-in-Chief, *Anesthesia & Analgesia*

Learner Objectives: Following the presentation, the participants will: (1) Understand basic principles of parametric and non-parametric statistics; (2) Understand common statistical errors that appear in manuscripts; (3) Understand the role of power analysis in clinical trials; (4) Understand the role of confidence intervals and effect sizes in clinical trials; (5) Understand the importance of confirmatory clinical trials; (6) Understand the importance of adequately powered negative trials; (7) Understand the role of proper graphical presentation of data to facilitate interpretation of results.

**9:50 – 10:40 am**     **RCL-20**  
**UPDATE ON MALIGNANT**  
**HYPERTHERMIA**  
**Denise J. Wedel, MD**  
Professor of Anesthesiology  
Mayo Clinic  
Rochester, Minnesota

Learner Objectives: (1) To review the diagnosis, treatment and management of Malignant Hyperthermia; (2) To discuss the genetics and recent updates in management of the MH affected patient and family.

Sessions and presenters listed are as of press time and subject to change. Visit [www.iars.org](http://www.iars.org) for updates to the program.

## PANELS

7:00 – 8:30 am

**Panel-19****EVIDENCE DEBATE****Moderator: John F. Butterworth, IV, MD****John F. Butterworth, IV, MD**R.K. Stoelting Professor and Chairman  
Department of Anesthesia  
Indiana University School of Medicine  
Indianapolis, Indiana

Additional panelists to be announced

**Are There Important Scientific Issues  
that Cannot be Settled Using Evidence  
Based Medicine?****If an RCT Shows Treatment Helps,  
How Can Another Trial Show that it  
Causes Harm?****If the Typical Practitioner in My Area  
Doesn't Follow a Guideline, How Can a  
Guideline Represent the Standard of  
Care for Me?**

## WORKSHOPS

7:00 – 9:00 am

**W-06****TEE BASIC WORKSHOP****Michael K. Cahalan, MD**Professor and Chairman  
Department of Anesthesiology  
University of Utah School of Medicine  
Salt Lake City, Utah**Roman M. Sniecinski, MD, FASE**Assistant Professor of Anesthesiology  
Department of Anesthesiology  
Division of Cardiothoracic Anesthesia  
Emory University School of Medicine  
Atlanta, Georgia**William S. Whitley, MD**Assistant Professor  
Department of Anesthesiology  
Division of Cardiothoracic Anesthesia  
Emory University School of Medicine  
Atlanta, Georgia

**Learner Objectives:** After attending the session, the participant should: (1) Understand the basic physics behind ultrasound image formation; (2) Know the technique and contradictions 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.

***About IARS***

“The IARS is a 501(c)(3) nonprofit voluntary membership society founded in 1922 to foster progress and research in all phases of anesthesia. It has a world-wide membership of 15,000 physicians and others with doctoral degrees in anesthesia-related fields.

The IARS mission is to encourage, stimulate, and fund ongoing anesthesia-related research projects that will enhance and advance the specialty, and to disseminate current, state-of-the-art, basic and clinical research data in all areas of clinical anesthesia, including perioperative medicine, critical care, and pain management. The IARS is completely nonpolitical, focused solely on the advancement and support of education and scientific research related to anesthesiology. The IARS fulfills its mission through a variety of activities including the IARS Annual Meeting and International Science Symposium.

The purpose of the IARS Annual Meeting is to provide clinical practitioners, physicians in training, and researchers in anesthesia with information about the latest scientific advances and the most up-to-date concepts in clinical care. The IARS International Science Symposium offers a unique opportunity for researchers to join together in discussion about cutting edge science and how it affects the anesthesiology specialty.”

The IARS and the Food and Drug Administration (FDA) are partnering together, with multiple stakeholders, to launch SAFEKIDS. The initiative, is a multi-year, multi-phased collaborative effort to address critical public health issues and major scientific and clinical gaps regarding the safe use of anesthetics and sedatives in children.

## GENERAL INFORMATION

### MEETING LOCATION

Hilton Hawaiian Village  
2005 Kala Road  
Honolulu, Hawaii 96815-1999

### HOTEL RESERVATIONS

IARS has secured a block of rooms at the Hilton Hawaiian Village with a special rate for our attendees (*IARS Group Reservation code "AWK"*).

In order to take advantage of this special rate all reservations must be made on or before the cut-off date of **February 19, 2010**. Reservations made after the cut-off date will be based on hotel availability and prevailing rates.

Use one of the following steps to book your special rate at the Hilton:

- **Online:** go to [www.iars.org](http://www.iars.org) and select the *Hotel Information tab on the left side of the home page* – follow instructions to book online
- **Call: 1-800-HILTONS** and be sure to give the special IARS booking code **"AWK"** when making your reservation
- **Reservation Form:** go to [www.iars.org](http://www.iars.org), select the *Hotel Information tab on the left side of the home page* – download the [Hotel Reservation Form \(PDF\)](#)

### REGISTRATION

Online Registration opens on October 30, 2009.

Visit [www.iars.org](http://www.iars.org) for fast and easy registration for the Annual Meeting!

Or, Mail / Fax your registration using the form on page 19 -- mailed/faxed forms must be received by March 12, 2010.

### REGISTRATION CANCELTION POLICY

(Refer to registration page 19)

All mailed, faxed, and online registration fees and payments must be received by Thursday, March 12, 2010. Registrations canceled on or before March 12, will receive a registration refund minus a \$50 processing charge. Registration fees will not be refunded if canceled after March 12. All workshop registration fees (\$75.00 per workshop) and International Science Symposium fees (\$25.00) are non-refundable.

### PHOTOGRAPHY RELEASE

The IARS plans to take photographs at the 2010 Annual Meeting and reproduce them in IARS news or promotional material whether in print, electronic or other media, including the IARS website. By participating in the 2010 IARS Annual Meeting you grant the IARS the right to use your name, photograph, and biography for such purposes.

### IARS ATTENDEE ON-SITE REGISTRATION HOURS

Friday, March 19 . . . . . 1:00 – 5:00 pm

#### **EARLY Attendee Registration!**

Saturday, March 20 . . . . . 6:30 am – 1:30 pm

Sunday, March 21 . . . . . 6:30 am – 1:30 pm

Monday, March 22 . . . . . 6:30 am – 1:00 pm

Tuesday, March 23 . . . . . 6:30 am – 10:30 am

### IARS 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.

ABA ID: 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 will provide on-line CME session tracking and online evaluations via the Internet. The site location will be made live and available at the Annual Meeting in Honolulu. All CME will be managed online – paper submissions have been discontinued.

Computers will be available on-site to enter your CME. You may print your CME certificate after the event from your office/home.

### **Continue your education and visit the IARS Tabletop Exhibits where the focus is on you and the demands of your discipline.**

Over twenty leading industry suppliers will bring you the most innovative products and cutting edge techniques. You'll meet face-to-face with representatives who are there to discuss best-uses and best practices while listening to your feedback on the products you need in your research and practice.

### Tabletop Display Hours

#### **SATURDAY, MARCH 20**

8:00 am - 1:00 pm

#### **SUNDAY, MARCH 21**

8:00 am - 1:00 pm

#### **MONDAY, MARCH 22**

8:00 am - 1:00 pm



# IARS

International Anesthesia Research Society

## Register Online Today! 2010 Annual Meeting • [www.iars.org](http://www.iars.org)

### IARS 2010 ANNUAL MEETING • MARCH 20-23 • HONOLULU, HAWAII

NAME \_\_\_\_\_  MD  DO  PhD  CRNA  Other \_\_\_\_\_

INSTITUTION / ORGANIZATION \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  Home  Business

CITY \_\_\_\_\_ STATE/COUNTRY \_\_\_\_\_ POSTAL CODE \_\_\_\_\_

PHONE \_\_\_\_\_  Home  Business  Cell FAX \_\_\_\_\_

EMAIL \_\_\_\_\_ Spouse / Guest Badge Name \_\_\_\_\_

Please check here if you require special services. (Complimentary attendance for spouse/guest. No CME credits will be awarded. A meeting badge is required.)

### REGISTRATION FEES — ANNUAL MEETING • Saturday, March 20 – Tuesday, March 23

<b>Abstract Presenter Fee</b>	<input type="checkbox"/> Member \$250	<input type="checkbox"/> New Member \$390*	<input type="checkbox"/> Non-Member \$390	\$ _____
<b>Annual Meeting Fee</b>	<input type="checkbox"/> Member \$500	<input type="checkbox"/> New Member \$640*	<input type="checkbox"/> Non-Member \$675	\$ _____
<b>Resident/Fellow/Student Fee</b>	<input type="checkbox"/> Member \$75	<input type="checkbox"/> New Member \$115*	<input type="checkbox"/> Non-Member \$115	\$ _____
<b>Associate Educational Fee</b>	<input type="checkbox"/> Member \$75	<input type="checkbox"/> New Member \$150*	<input type="checkbox"/> Non-Member \$150	\$ _____

\*IARS membership and *Anesthesia & Analgesia* subscription included.

### Workshops – Limited Seating Pre-Registration Required

<input type="checkbox"/> W-01 . . . . . Advanced Ultrasound . . . . . Saturday, March 20 . . . . . 8:00 am - 12:00 noon . . . . .	<b>\$75.00</b>	\$ _____
<input type="checkbox"/> W-02 . . . . . Vascular Access . . . . . Sunday, March 21 . . . . . 7:00 am - 9:00 am . . . . .	<b>\$75.00</b>	\$ _____
<input type="checkbox"/> W-03 . . . . . Airway . . . . . Sunday, March 21 . . . . . 11:00 am - 2:00 pm . . . . .	<b>\$75.00</b>	\$ _____
<input type="checkbox"/> W-04 . . . . . Peripheral Nerve Block . . . . . Monday, March 22 . . . . . 7:00 am - 10:00 am . . . . .	<b>\$75.00</b>	\$ _____
<input type="checkbox"/> W-05 . . . . . Peripheral Nerve Block (repeat) . . . . . Monday, March 22 . . . . . 11:00 am - 2:00 pm . . . . .	<b>\$75.00</b>	\$ _____
<input type="checkbox"/> W-06 . . . . . TEE . . . . . Tuesday, March 23 . . . . . 7:00 am - 9:00 am . . . . .	<b>\$75.00</b>	\$ _____
<b>Total Workshop Fees . . . . .</b>		\$ _____

### REGISTRATION FEES — INTERNATIONAL SCIENCE SYMPOSIUM • Saturday, March 20 • 11:00 am – 4:00 pm

#### Pre-Registration Required

<input type="checkbox"/> General Session 11:00 am – 12:00 noon . . . . .	<b>No Fee</b>	\$ _____ Complimentary
<input type="checkbox"/> SAFEKIDS Symposium 12:15 – 4:00 pm (includes box lunch) . . . . .	<b>\$25.00</b>	\$ _____

**TOTAL REGISTRATION DUE\*\* to IARS (Annual Meeting, Workshops, Science Symposium) . . . \$ \_\_\_\_\_**

### METHOD OF PAYMENT

Please charge to:  Visa  MasterCard  AMEX  Discover Account # \_\_\_\_\_

Card Holder Name \_\_\_\_\_ Exp. Date: \_\_\_\_\_ Verification Code: \_\_\_\_\_

Signature \_\_\_\_\_  Check payable to IARS (US funds) enclosed.

\*\*Refer to Information page for IARS 2010 Annual Meeting cancellation policy Mail to: IARS • P.O. Box 7695 • San Francisco, CA 94120-7695

**Register online at [www.iars.org](http://www.iars.org) • Online/Mail registration deadline is  
March 12, 2010 (payment required) • On site registration begins March 19, 2010  
Questions? Email: [info@iars.org](mailto:info@iars.org) • Phone: 415-296-6900 • Fax: 415-296-6901**



# IARS

International Anesthesia Research Society

Join Today! Sign-up Online at [www.iars.org](http://www.iars.org) and Select "Join IARS"

## Membership Application

### PROFESSIONAL PROFILE

NAME \_\_\_\_\_  MD  DO  PhD  CRNA  Other \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  Home  Work

CITY \_\_\_\_\_ STATE/COUNTRY \_\_\_\_\_ POSTAL CODE \_\_\_\_\_

PHONE \_\_\_\_\_  Home  Work  Cell FAX \_\_\_\_\_

EMAIL \_\_\_\_\_

I received the degree/accreditation in the year \_\_\_\_\_ from \_\_\_\_\_  
(Institution / Country)

### RESIDENCY TRAINING LOCATION AND DATES (Required For Residents/Fellows/Students)

Training Program \_\_\_\_\_

Period beginning \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Period ending \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

### TYPE OF MEMBERSHIP

#### Full Member

Individuals licensed to practice in the medical, osteopathic, dental, or veterinary fields, and other health professionals in anesthesia-related practice. PhD's should be engaged in research closely related to anesthesiology. **Dues: \$140**

#### JOINT IARS / SCA MEMBER

Possession of a degree of Doctor of Medicine, Bachelor of Medicine, Doctor of Osteopathy, or other international equivalent; possession of a valid license to practice medicine. **Dues: \$210**

#### Resident / Fellow / Student Member

Physicians in training. **Dues: \$40**

#### IARS Associate Educational Member

Individuals in training in the allied health professions, including nurse anesthetists, respiratory therapists and physician assistants. **Dues: \$75**

### Membership to Begin

January 1, 2010

### Dues Category

- 1-year \$140 IARS Full Member
- 1-year \$210 Joint IARS/SCA Member
- 1-year \$40 Resident/Fellow/Student Member
- 1-year \$75 IARS Associate Educational Member

### METHOD OF PAYMENT

Sign-up online – it's easy! Visit [www.iars.org](http://www.iars.org) and select "Join IARS"

Please charge to:  Visa  MasterCard  AMEX  Discover Account # \_\_\_\_\_

Exp. Date: \_\_\_\_\_ Verification Code: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Check payable to IARS (US funds) enclosed. Mail to: IARS • P.O. Box 7695 • San Francisco, CA 94120-7695

Additional contribution to support research \$ \_\_\_\_\_.

Membership includes a subscription to Anesthesia & Analgesia.

International Members receive the journal via air freight at no additional cost.



# IARS

International Anesthesia Research Society

*Improving patient care since 1922!*

## OUR MISSION

Our mission is simple, yet important –

- Encourage, stimulate and fund ongoing anesthesia-related research that will enhance and advance the specialty
- Disseminate current, state-of-the art, basic and clinical research data in all areas of clinical anesthesia

## EXCLUSIVE MEMBER BENEFITS

*For only \$140 a year*, IARS membership provides the tools and information you need to stay in the forefront of anesthesiology.

### Journal

- 12 print issues of *ANESTHESIA & ANALGESIA* – \$405 savings from the subscription price!
- Full access to 87 years of research through our online Journal archives
- Free online Journal CME

### Award & Grant Opportunities

- Eligibility to apply for Research Grants, exclusive to IARS Members
  - ◆ \$500,000 - Frontiers in Anesthesia Research Award
  - ◆ \$80,000 - Clinical Scholar Research Awards
  - ◆ \$30,000 - Anesthesiology Teaching Recognition Awards

### Annual Meeting & Science Symposium

- Discounted registration fee – \$175 in savings!
- Free online access to Annual Meeting Abstracts
- Free online access to Review Course Lectures and CME

### OpenAnesthesia.org

- New wiki-based GME program, allowing physicians and residents to take an active role in resident education

Interact and collaborate with anesthesia-related health professionals worldwide today! **Residents are now eligible for a special membership rate of \$40!**

**Join IARS NOW!**

Visit [www.iars.org](http://www.iars.org) and click on "Join IARS"



# IARS

International Anesthesia Research Society

## IARS will grant up to \$320,000 in Clinical Scholar Research Awards

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### Application deadline extended to November 15, 2009

- 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 research involving human subjects.
- Applications must include approval of the Institutional 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 R01 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.
- Award funds are usually paid in two equal, annual installments starting July 2010.

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Recipients of the Clinical Scholar Research Awards will be announced at the 2010 Annual Meeting and in a future issue of *Anesthesia & Analgesia*.

**For more information, visit IARS online at**  
[www.iars.org/awards/clinicals.asp](http://www.iars.org/awards/clinicals.asp)