



Society for Technology in Anesthesia

2010
STA Annual Meeting

January 13-16, 2010
PGA National Resort and Spa
West Palm Beach, Florida





Society for Technology in Anesthesia

Society for Technology in Anesthesia Annual Meeting

Dear STA Annual Meeting Attendee,

On behalf of the program committee and Board of Directors, welcome to this year's STA Annual Meeting: I would personally like to thank Dr. John Sudkamp and Dr. Ravindra Prasad for organizing this event and securing the outstanding faculty, who have generously given their time to prepare and present their lectures and demonstrations.

The STA Annual Meeting affords an opportunity for clinicians, technicians, engineers and industry specialists at all levels to meet and exchange ideas on the future of anesthesia and healthcare related technologies. We hope that you all take advantage of this unique venue and take time to meet with your fellow attendees during the meeting.

With the increasing fiscal and political challenges that face healthcare and industry, the Society for Technology in Anesthesia and its Annual Meeting become more essential in understanding and shaping our future. As a Society, we look for continued growth and new input moving forward.

Thank you for joining us. We look forward to a successful meeting.

Mohamed Rehman, MD
STA President



Society for Technology in Anesthesia

Mission Statement

The Society's mission is to improve the quality of patient care by improving technology and its application. The Society promotes education, research, collaborates with local, national and international organizations, sponsors meetings, exhibitions, awards grants, and recognizes achievement.

Meeting Objectives

1. Identify challenges and barriers to technology applications that significantly enhance patient safety in large and small medical institutions
2. Participants will gain an understanding of the benefits, risks and complexity of an A.I.M.S., and what systems would benefit their current practice setting. Participants will engage in a discussion with those who have had experience implementing an A.I.M.S., system.
3. Participants will gain a greater understanding of the current state and usage of imaging technology in the field of Anesthesia. These applications include ultrasound imaging, brain imaging of anesthetic induced unconsciousness and airway imaging and virtual bronchoscopy using cone beam technology.
4. Participants will gain a greater understanding of the medicolegal implications of the electronic anesthesia record. Information will be presented on the legal precedents of malpractice exposure and the future of healthcare delivery via telemonitoring.

CME Accreditation Statement

This activity has been planned and implemented with the Essential Areas of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Society for Technology in Anesthesia (STA) and the International Anesthesia Research Society (IARS.) The IARS is an accredited by the ACCME to provide continuing medical education for physicians. The IARS designates this continuing medical educational meeting for a maximum 15.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only those hours of credit that he/she actually spent in the educational activity.

Speaker and Presenter Disclosure Statement

The International Anesthesia Research Society (IARS) adheres to ACCME standards regarding industry support of continuing education. Disclosure of faculty and commercial relationships, if any will be made known at the activity. Speakers are also expected to openly disclose inclusion or discussion of any off-label, experimental, or investigational use of drugs or devices in their presentations.



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STA Annual Meeting 2010: Daily Program Schedule

Wednesday January 13, 2010

18:00 – 19:30 Bella Lago Opening Reception with Vendors & Registration

Thursday January 14, 2010

07:00 – 08:00 Bella Lago Registration & Continental Breakfast

08:00 – 10:00 Masters Ballroom Session 1: Electronic Health Records (EHRs)

08:00 – 08:15 Opening Remarks
Mohamed Rehman, MD

08:15 – 09:30 Keynote Address: Meeting the Challenge of Electronic Health Records for All
Don Detmer, MD

09:30 – 10:00 Bella Lago Break with Exhibits and Posters

10:00 – 13:15 Masters Ballroom Session 2: Technology Application to Large and Small Institutions

David Feinstein, MD – Moderator

10:00 – 10:35 Technology: One Size Does NOT Fit All
Keith Ruskin, MD

10:35 – 11:10 Large Institutions v. Private Practice: What's Lost In Translation?
Chris Quartararo, MD

11:10 – 11:45 Telemonitoring – the Future of Healthcare Delivery
Michael Vigoda, MD, MBA

11:45 – 12:00 Panel Discussion

12:00 – 13:15 Honda Pavilion* Lunch with Vendors & Poster Viewing
*Weather Permitting



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Thursday January 14, 2010 (continued)

13:15 – 15:00	Masters Ballroom	Session 3: Non Operating Room Anesthesia: Can it Work for Big and Small Institutions? <i>Charlotte Bell, MD - Moderator</i>
13:15 – 13:35		Building an Ambulatory Pediatric Procedure Center in a Small Regional Hospital <i>Charlotte Bell, MD</i>
13:35 – 13:55		PERIoperative Technology for Large Hospitals for Non Operating Room Anesthesia <i>Keith Ruskin, MD</i>
13:55 – 14:15		Managing Non Operating Room Locations with a Small Service in a Large, Multi-Hospital Institution <i>Gordana Stjepanovic, MD</i>
14:15 – 14:30		Panel Discussion
14:30 – 15:00	Bella Lago	Break with Exhibits and Posters

15:00 – 17:45	Masters Ballroom	Session 4: Research Awards & Presentation <i>Kirk Shelley, MD, PhD – Moderator</i>
15:00 – 16:30		Research Awards & Presentation
16:30 – 17:45		Guided Poster Viewing with Q&A

18:30 ————— Focus Group

Friday January 15, 2010

07:00 – 08:00		Registration & Continental Breakfast
08:00 – 10:30	Masters Ballroom	Session 5: Imaging Technology in Anesthesia <i>D. John Doyle, MD, PhD – Moderator</i>
08:00 – 08:40		Ultrasound Imaging in Anesthesia: The State of the Art <i>Paul Bigeleisen, MD</i>
08:40 – 09:15		Brain Imaging and the Neurophysiologic Basis of Anesthetic-Induced Unconsciousness <i>Michael Alkire, MD</i>



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Friday January 15, 2010 (continued)

09:15 – 09:35 Airway Imaging and Virtual Bronchoscopy Using Cone-Beam Technology
D. John Doyle, MD, PhD

09:35 – 10:00 Panel Discussion

10:00 – 10:30 Bella Lago Break with Exhibits and Posters

10:30 – 13:30 Masters Ballroom Session 6: Technology and Safety

Keith Ruskin, MD – Moderator

10:30 – 10:55 Technology and Aviation Safety: Making Anesthesia Safer
Keith Ruskin, MD

10:55 – 11:25 Evolution in the Human-Machine Interface
David Kazdan, MD

11:25 – 11:55 Bringing Innovative Ideas to Market
Joan Spiegel, MD

11:55 – 12:15 Panel Discussion

12:15 – 13:30 STA Business Luncheon & Awards

*Mohamed Rehman, MD
President*

13:30 – 15:30 TBA Session 7: Concurrent Workshops

Young Researchers Workshop
Kirk Shelley, MD, PhD

Computers in Anesthesia (CIA) Show & Tell Contest
Butch Loeb, MD

Interoperability Demonstrations & Workshop
Jullian Goldman, MD



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Friday January 15, 2010 (continued)

15:30 – 16:30	Masters Ballroom	The Technology of the Golf Swing: How Virtual Reality & Simulators Have Changed the Game <i>Director of Instruction, Leadbetter Academy of Golf</i>
16:30 – 17:30		Use of PGA Virtual Reality Simulator

18:00 – 18:30

Motor Coach Transportation Leaves from the PGA Hotel Lobby

18:30 – 22:00

Wine Tasting Dinner at Seasons 52

11611 Ellison Wilson Road
Palm Beach Gardens, FL
561-302-3369



Wine Tasting Dinner Menu

AMUSE

Goat Cheese Ravioli with Tomato and Basil
Paired with a Tilia Torrontes

FIRST COURSE

Earth Bound Farms Organic Winter Green Salad
With truffle dressing, grilled Portobello mushrooms and Parmesan cheese
Paired with a ZD Chardonnay

SECOND COURSE

Manchester Farms Boneless Quail Breast
With mashed sweet potatoes and maple-bourbon sauce
Paired with a Chehalem Pinot Noir

THIRD COURSE

Char-Crust Filet Mignon with grilled tamarind shrimp
With garlic mashed potatoes and grilled vegetables
Paired with a De Toren Fusion V

FOURTH COURSE

Mini Indulgences
Individual servings of classic desserts
Coffee & Tea Service

22:30 – 23:00

Motor Coach Transportation provided back to PGA



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Saturday January 16, 2010

07:00 – 08:00	Bella Lago	Registration & Continental Breakfast
08:00 – 09:00	Masters Ballroom	Session 8: Multicenter Perioperative Outcomes Group (MPOG): Can the Small Institutions Benefit From It? <i>Sachin Kheterpal, MD, MBA</i>
09:00 – 11:00	Masters Ballroom	Session 9: Medicolegal Implications of the Electronic Anesthesia Record <i>Jeffrey M. Feldman, MD, MSE – Moderator</i>
09:00 – 09:30		Malpractice Exposure and the Electronic Anesthesia Record <i>Jeffrey M. Feldman, MD, MSE</i>
09:30 – 10:00		The Electronic Anesthesia Record – A View from the Courtroom <i>Andrew Worek, JD</i>
10:00 – 10:30		Designing an Anesthesia Information System as a Risk Management Tool <i>Michael Vigoda, MD, MBA</i>
10:30 – 10:45		Panel Discussion
10:45 – 11:00	Bella Lago	Break
11:00 – 12:30	Masters Ballroom	Session 10: Case Presentations: AIMS Lessons Learnt <i>Mohamed Rehman, MD – Moderator</i>
11:00 – 11:20		Simple Solution for Small Group Practice <i>Vernon Huang, MD</i>
11:20 – 11:40		Lessons Learnt During Implementation <i>Ravindra Prasad, MD</i>
11:40 – 12:00		Electronic Anesthesia Information Management System to Satisfy the Joint Commission Requirements for Ongoing Practice Professional Evaluations <i>Jesse Ehrenfeld, MD</i>
12:00 – 12:20		Using A.I.M.S. for Logging Resident Case Data <i>Allan Simpoa, MD</i>



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Saturday January 16, 2010 (continued)

12:30

STA Meeting Adjourns

14:40 – 18:00

STA Golf Outing

**Pre-registration required!*

*ALL Annual Meeting Presentations will post on the
STA Website*

by

February 15, 2010

Please visit www.stahq.org



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THANK YOU!

Society for Technology in Anesthesia 2010 Corporate Members

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Philips.....www.philips.com

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Entrepreneur Gold

SEDLine.....www.sedline.com

McKesson.....www.mckesson.com

Picis.....www.picis.com

Surgical Information Systems.....www.sisfirst.com

Entrepreneur Silver

CMS Anesthesia Services.....Not Available

Docusys.....www.docusys.net

Edwards Life Sciences.....www.edwards.com



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Corporate Membership Profiles

Cardiopulmonary Corp.



Cardiopulmonary Corp. is all about improving healthcare. We have a broad vision and a strong dedication to clinical excellence. We are shifting the paradigm in hospital-based medicine. Cardiopulmonary Corp. designs, develops, and implements medical enterprise software for mission-critical decision support used in a wide-range of acute care applications. The Company, based in Connecticut, is a market leader of hospital-wide, IT-centric solutions used in the real-time management and surveillance of critically ill patients.

Cerner Corporation



Today's practice of anesthesia demands electronic access to complete, accurate information. Cerner Millennium® SurgiNet® unifies the practice of surgery and anesthesia to enhance throughput and utilization of the service, while supporting effective care delivery and business practice management. Cerner Corporation is the leading U.S. supplier of health-care information technology solutions.

CMS Anesthesia

Description not available at time of printing.

CMS Anesthesia

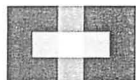
Codonics



Codonics incorporated in 1982, is a privately held corporation headquartered in Cleveland, Ohio and is the world's leading manufacturer of medical imagers. Codonics has regional offices in the U.S., Portugal, and Japan and a strong worldwide sales and service distribution network. Codonics is strongly committed to continued development of innovative imaging products compatible with existing technologies.



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COVIDIEN

Covidien

Covidien is a global \$9 billion dollar manufacture of leading medical devices and supplies such as imaging products and pharmaceuticals. Covidien employs more than 43,000 people worldwide and is dedicated to working with medical professionals to improve patients outcomes. Its portfolio of leading brands includes; Nellcor™ Pulse Oximeter, Puritan Bennett Ventilator™, and Mallinckrodt Baker

DOCUSYS

Docusys

Docusys Inc provides comprehensive digitization of anesthetics, incorporates customizable decision support, professional fee capture, comorbid condition documentation, tracking and billing of drugs to maximize quality and financial return. The system incorporates an intravenous drug monitor, DocuJet® which utilizes bar coding and digital imaging to digitize drug delivery.

Drägermedical

Dräger Medical

Dräger Medical is one of the world's leading manufactures of medical equipment. The company offers products, services and integrated CareArea™ solutions throughout the patient care process; emergency care, preoperative care, critical care, prenatal care and home care. Dräger Medical employs nearly 6,000 people worldwide.



Edwards Lifesciences

Edwards Lifesciences

Edwards Lifesciences is the world leader in hemodynamic monitoring systems which are used to measure a patient's heart function in the intensive care, surgical, and emergency room settings. Since introducing the Swan-Ganz® catheter, the company has offered an extensive line of technologies which include the PreSep™ Central Venous Oximetry Catheter, Vigileo™ Monitor, Vigilance™ CCO/SvO2/CEDV Monitor, TruWave™ disposable pressure transducers, VAMP™ closed arterial blood sampling systems, and Vantex™ central venous antimicrobial catheters. In 2005, Edwards launched the innovative FloTrac™ System, which provides real-time hemodynamic monitoring (including continuous cardiac output, stroke volume, stroke volume variation, and systemic vascular resistance) directly from an arterial line.

**No exhibit display*



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Healthcare

GE Healthcare

GE Healthcare is dedicated to helping transform healthcare delivery by driving critical breakthroughs in biology and technology. Our expertise in medical imaging and information technologies enables healthcare professionals around the world to deliver new ways to predict, diagnose and treat disease earlier



iMDsoft

iMDsoft is a leading provider of clinical information systems dedicated to automating the critical care and perioperative continuum. The Meta Vision™ suite is fully integrated, customizable solution for data collection and presentation, order management, clinical analysis and decision support. Major medical centers across the United States and Europe and Asia use iMDsoft technology to improve quality care, promote patient safety, enhance financial performance, support research and compliance while achieving sustainable market leadership.



Masimo

Masimo is a global medical technology company that develops and manufactures innovative noninvasive monitoring technologies, including medical devices and a wide array of sensors that enable earlier detection and treatment of potentially life-threatening conditions. A key medical technology innovator, Masimo is responsible for the invention of award-winning noninvasive technologies that are revolutionizing patient monitoring, including Masimo SET® pulse oximetry, Masimo Rainbow SET® Pulse CO-Oximetry, Masimo noninvasive and continuous total hemoglobin (SpHb™), and Masimo Patient SafetyNet™



Empowering Healthcare

McKesson

McKesson provides a total anesthesia solution that gives you the power to improve your clinical and financial operations. Our revenue cycle outsourcing services help anesthesiologists optimize collections, increase revenue and manage compliance risks. McKessons' anesthesia care solution compliments the delivery of quality anesthesia care with expert documentation, streamlined workflow and improved financial positions for the anesthesiologists and hospital.



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Omnicell

Omnicell is a leading provider of systems and software solutions targeting patient safety and operational efficiency in healthcare facilities. Since 1992, Omnicell has worked with numerous healthcare facilities to enhance patient safety and allow clinicians to spend more time with their patients. Omnicell's mission is to provide the best customer experience in healthcare, helping hospitals reduce medication errors, operate more efficiently, and decrease costs.



Oridion®

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Oridion Microstream® Capnography; Effective, proven airway management providing the earliest indication of airway compromise. Microstream® Capnography combines proprietary sensing technology eliminating the need for gas compensation. Situation-specific interfaces for oral, nasal, and incubated sampling provide accurate and easy to use assessment of your patient's ventilation in any clinical setting, including PCA and procedural sedation.

PHILIPS

Philips Healthcare

Philips Healthcare is a worldwide provider of Diagnostic Imaging Products, Cardiac and Physiological Monitoring Systems and Information Management applications. Philips Healthcare currently offers point of care clinical information systems that automatically record, store and provide reports for a given care setting. Today Philips offers Medical IT solutions for the perioperative environment (CompuRecord), the OB environment (OB TraceVue) and the critical care environment (Intellivue Clinical Information Portfolio Critical Care or ICIP, CC)



Picis

Picis is a global provider of innovative information solutions that enable rapid and sustained delivery of clinical, financial and operational results in the acute care areas of the hospital — the emergency department (ED), operating rooms (ORs), post-anesthesia care units (PACUs) and intensive care units (ICUs). Picis offers the most advanced suite of integrated products and services focused on these life-critical areas of the hospital where the patients are the most vulnerable, the care process is the most complex and an increasing majority of hospital costs and potential revenue are concentrated



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SEDLine, Inc

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SEDLineTM

ShareableInk[®]
IMMEDIATE. ACTIONABLE. EFFORTLESS.

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Shareable Ink[®] delivers enterprise-grade digital pen and paper solutions for healthcare. In contrast to traditional keyboard-based systems, the Shareable Ink approach offers the fastest and most natural data input method without disrupting familiar workflows. Shareable Ink effortlessly captures all the information written on paper forms using a specialized ball point pen. As no software is installed onsite, Shareable Ink is suitable for any size organization, from the solo practitioner to the health-care enterprise.



**SURGICAL
INFORMATION
SYSTEMS**

Surgical Information Systems

SIS provides surgery management and anesthesia solutions that improve efficiency and quality for surgical services through the use of technology. SIS' fully integrated anesthesia solution enables anesthesiologists to electronically record/capture all necessary anesthesia record information, increasing productivity and reducing costs by optimizing workflow and minimizing time spent on administrative tasks.

**VERATHON
MEDICAL**

Verathon Medical[®]

Verathon Medical[®] (Canada) designs, manufactures and distributes reliable, state-of-the-art medical devices and services that offer a meaningful improvement in patient care to the health care community. The company's flagship brand, BladderScan[®] bladder volume measurement instruments, is used in Urology, Acute Care, Primary Care, and Extended Care and is considered a standard of care. Verathon[®] was ranked among the fastest growing technology companies in Washington State in Deloitte's prestigious "Technology Fast 50" program.

**No exhibit display*



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STA 2010 Annual Meeting Speaker Disclosure Information

Michael Alkire, MD

No Disclosures

Charlotte Bell, MD

No Disclosures

Paul Bigeleisen, MD

Consultant Life-Tech

Don Detmer, MD

Consultant CS Placement

Gates Foundation Grant Recipient

D. John Doyle, MD, PhD

No Disclosures

David Feinstein, MD

No Disclosures

Jesse Ehrenfeld, MD

No Disclosures

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No Disclosures

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No Disclosures

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Shareable Ink

David Kazdan, MD

No Disclosures

Sachin Kheterpal, MD, MBA

No Disclosures

Butch Loeb, MD

No Disclosures



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Speaker Disclosure Information Continued

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No Disclosures

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No Disclosures

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No Disclosure

Keith Ruskin, MD

No Disclosures

Kirk Shelley, MD, PhD

No Disclosures

Joan Spiegel, MD

No Disclosures

Allan Simpao, MD

No Disclosures

Gordana Stjepanovic, MD

No Disclosures

John Sudkamp, MD

No Disclosures

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No Disclosures

Andrew Worek, JD

No Disclosures



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STA 2010 Annual Meeting Abstract Disclosures

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No Disclosures

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No Disclosures

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No Disclosures

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No Disclosures

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Research Study Sponsorship: Nihon Kohden America, Inc.

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No Disclosures

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No Disclosures

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No Disclosures

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Jin-Oh Hahn, PhD

No Disclosures



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STA 2010 Annual Meeting Abstract Disclosures

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John Pawlowski, MD, PhD
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Alfred Pinchak, MD, PhD, PE
No Disclosures



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STA 2010 Annual Meeting Abstract Disclosures Continued

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Gran: National Instruments Medical Device Development

Michelle Raczka, MD

No Disclosures

Brian Rothman, MD

No Disclosures

Franklin Scamman, MD

No Disclosures

Christopher Scheib, MD

No Disclosures

Matthew Seitman

Aspect Medical Inc.

Allan Simpao, MD

No Disclosures

Paul St. Jacques, MD

No Disclosures

Hanne Storm, MD, PhD

Part Owner - Med-Storm Innovation

Donald Voltz, MD

No Disclosures

Karl Wagner, MD

No Disclosures

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