1999 Meeting of the Society for Technology in Anesthesia

A Window to the 21st Century

January 20 - 23, 1999
San Diego, California

The Hotel Del Coronado
Society for Technology in Anesthesia
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Society for Technology in Anesthesia
   Box 5257
   Phoenix, AZ 85010-5257

For information about STA and the STA 99 meeting
http://groucho.med.yale.edu/societies/sta
SOCIETY FOR TECHNOLOGY IN ANESTHESIA

STA 99

Window to the 21st Century
January 20-23, 1999
Hotel Del Coronado, San Diego

On behalf of the program committee and the Board of Directors, welcome to this year’s STA meeting. It truly promises to be the Window to the 21st Century as we discuss new opportunities and prepare ourselves to be in the forefront of the development, design, and use of new technologies in anesthesia, education, computers, and information systems.

We would personally like to thank the outstanding faculty who have generously given their time to prepare and present their lectures, workshops, and demonstrations. More than 40 posters and software demonstrations will be presented, representing new and ongoing research in our specialized field. Please be sure to be ON TIME to all sessions, as the agendas are full and we want to take advantage of all our available time.

Please take every opportunity to network with our exhibitors, faculty, and members during the meeting. This type of learning is important and beneficial to everyone. The social activities, tours and this year’s METI Beach Party and Baxter Brunch are for all.

If you are interested in becoming more active in STA and its educational programs please contact one of the Board members. We welcome participation and involvement at all levels.

David Seitman
STA 99 Program Chair
seitmand@pol.net

Matthew Weinger
STA 99 Local Host
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Cathy Clifton, Meeting Coordinator
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602-874-1851  FAX 602-874-2548
WEDNESDAY, JANUARY 20, 1999

0800 - 1700  STA Board of Directors’ meeting  Garden Room
1200 - 1730 Special Interest Group Meetings  Story Salon E and F
1800 - 2100  Registration  Grande Hall Foyer
1800 - 2100 Welcoming Reception  Regent/Viceroy Hall

THURSDAY, JANUARY 21, 1999

0700 - 1600  Registration desk open  Grande Hall Foyer
0700 - 1200 Exhibits open and poster displays  Regent/Viceroy Hall
0700 - 0800 Continental breakfast  Regent/Viceroy Hall
0800 - 0815 Opening Remarks  Empress Hall
0815 - 0945 Session I - The Anesthesia Machine 2010
Dr. Jeff Feldman, Moderator
Mark Argentieri, North American Drager
Robert Tham, Datex Ohmeda
0945 - 1015 Break with exhibitors and poster authors  Regent/Viceroy Hall
1015 - 1145 Session II – New Sensor Technology: Development and Application
This session is made possible in part by an educational grant from Baxter
Dr. Richard Bartkowski, Moderator  Empress Hall
Dr. Thadeusz Drzewiecki: New Sensors in Gas Monitor
Dr. Jeffrey Joseph: Biological Sensors: Implications for Anesthesia
Dr. Gisbert Knishwitz: Continuous Intramucosal pCO2 Monitoring to Detect
Gastrointestinal Ischemia
1200 - 1300 The Baxter Brunch - all registrants and guests welcome-
TICKETS REQUIRED  Sun Deck
1300 - 1800 Field Trips  METI – Edison Complex
1800 - 2030 Simulator User Group Meetings & Dinners  MedSim Eagle – Palm
Sunset Room

BE SURE YOU HAVE SIGNED UP FOR A TOUR AND HAVE A TICKET
FRIDAY, JANUARY 22, 1999

0700 - 1600  Registration desk open  0700 - 1700 Exhibits open  0700 - 1200  Poster displays

0800 - 0945  **Session III - New Anesthetic Technologies**  Empress Hall
Dr. Dwayne Westenskow, Moderator
Les Mace: *New Technologies in Gas Monitoring*
Ron Isaac: *Medicine as a Business: The Due Diligence Process*

0945 - 1015  Break with Exhibitors and Poster displays  Regent/Viceroy Hall

1015 - 1130  **Session IV - Simulators and Virtual Reality**  Empress Hall
Dr. David Stern, Moderator
Dr. Mike Good: *Simulators: Past, Present & Future*
Dr. Bosseau Murray: *Virtual Reality: Past, Present & Future*

1145 - 1300  Luncheon and STA Business meeting

1300 - 1700  **Session Va - Workshops**  Each will be repeated 4 times as 55 minute sessions  Empress Hall
Dr. David Seidman, Workshop Coordinator
*Salon E*
a. Dr. Rita Patel: *Pregnant Patient Scenarios (Eagle Simulator)*
   Drs. Marie Baldasserri, Helene Finegold, Joanne Fletcher, Julie Tome
*Salon F*
b. Drs. Matt Kurrek and Herbert Kuhnigk: *Trauma Scenarios (Eagle Simulator)*
*Salon G*
c. Dr. Randy Steadman: *Difficult Airway Scenarios (METI Simulator)*
   Drs. Tom Nguyen, Rema Matveosian
*Salon H*
d. Dr. Sem Lampotang: *Virtual Reality and METI Simulator*
*Babcock B*
e. Dr. George Shepleck: *From Powerpoint to Virtual Reality*

1300 - 1700  **Session Vb - Internet Classes:**  Each session will be 55 min.  Empress Hall
Dr. Keith Ruskin, Internet Class Coordinator
a. Beginner:
   Dr. Keith Ruskin: *Email and the WWW*
   Dr. Thomas Engel: *Finding Medical Resources*
   Dr. John Oyston: *How to Get Connected*
   Dr. Charlotte Bell: *What Kind of Computer do I Buy?*
b. Intermediate I:
   Dr. Eugene Worth: *Palmtop Computing for the Anesthesiologist*
c. Intermediate II:
   Dr. John Doyle: *Security on the Internet*
   Dr. Keith Ruskin: *Tips and Tricks of E-mail and the WWW*
   Dr. Rene Hagenouw: *Internet Literature Searches*
d. Advanced:
   Dr. Keith Ruskin: *New Internet Technology*
   Dr. Charlotte Bell: *The Internet as Mass Media*
   Dr. John Oyston: *Putting my Practice Online: Creating a WWW Page*

1400 - 1600  **Software Demonstrations** (Submitted by abstract)

1830  **THE METI BEACH PARTY**  International Room
(tickets available at registration desk)
SATURDAY, JANUARY 23, 1999

0730 - 1100 Registration desk open
0730 - 1100 Exhibits and Software Demonstrations open
0730 - 0830 Continental breakfast

0830 - 0930 Session VI - Keynote Address
Biological Weapons - How Real is the Threat
Captain J D. Malone, MD, Chair, Department of Internal Medicine,
Naval Medical Center, San Diego
Empress Hall

0930 - 1100 Annual STA Debate: Are Standards Necessary in the 21st Century
Dr. Julian Goldman, Moderator
Dr. Jan Ehrenwerth - For
George Hutchison - Against

1100 - 1130 Winners of the Poster Submissions
Dr. Jeff Feldman, Moderator

1130 - 1200 Course evaluation of scientific sessions

1200 - 1300 Lunch on your own

1230 - 1630 Session V11a - Workshops
Dr. David Seitzman, Workshop Coordinator

Salon E
a. Dr. Rita Patel: Pregnant Patient Scenarios (Eagle Simulator)
   Drs. Marie Baldiessori, Helene Finegold, Joanne Fletcher, Julie Tome

Salon F
b. Drs. Matt Kurrek and Gerbert Kuhnigk: Trauma Scenarios (Eagle Simulator)

Salon G
c. Dr. Randy Steadman: Difficult Airway Scenarios (METI Simulator)
   Drs. Tom Nguyen, Rema Matevosian

Salon H
d. Dr. Sem Lampotang: Virtual Reality and METI Simulator

1230 - 1400 Session V11b - Internet Classes
Empress Hall
Dr. Keith Ruskin, Internet Class Coordinator
Dr. Keith Ruskin - Surfing for Medical Knowledge
Dr. Eugene Worth: Making Data Useful
Tay McClellan: Copyright Issues on the Internet

1300 - 2100 Family event and dinner outing

MARK YOUR CALENDARS NOW
STA 2000 January 12 - 15
Disney's Coronado Springs Resort
Orlando, Florida
Richard Bartkowski, Program Chair
**NOTICE OF DISCLOSURE**

Many of STA’s members and the faculty for this conference have relationships with businesses and corporations doing business in the field of anesthesiology and other topics to be discussed at this meeting. Each faculty has been asked to disclose any relationship prior to his/her presentation. If you perceive a bias or conflict of interest that has not been disclosed properly, please advise the conference chairman. Thank you.

**STA 99**

**Program Committee**

David Seitman, MD Chair  
Richard Bartkowski, MD, Co-chair  
Matthew Weinger, MD, Local Host  
David Wong, MD, Software Demonstration Chair  
Jeff Feldman, MD, Scientific Abstracts Chair  
Doreen O’Hara, MD, Exhibit Chair
1999 STA Abstracts

Those abstracts identified as **poster** will be on display beginning Wednesday evening, January 20 and continuing through Friday noon. Those abstracts identified as **demonstration** are software demonstrations and will be available from Friday, January 22 at 1400 through Saturday, January 23 at 1200.

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monitored parameters via the use of sophisticated psychological and pharmacological models.

**Booth 18**

**MASSIMO CORP.**

WWW.MASSIMO.COM

For more information, visit managed care, diagnostic cardiology and clinical information systems. For more information, visit systems for point of care vital signs monitoring, respiratory and gas analyzers, ventilator systems, etc. Our systems are designed to meet the needs of medical electronics equipment and

**Booth 7**

**MARGUERITE MEDICAL SYSTEMS, Inc.**

Surgical and cardiac monitoring capabilities. Newer-Packard will exhibit the Vinda Component Monitoring System for anesthesia, with new

**Booth 10**

**HEWLETT-PACKARD CO.**

We also provide drawer systems for drawers and shelving.

**Booth 14**

**H & H SYSTEM, Inc.**

Company's overriding goal is achieving the solution that best fits each customer's needs. In keeping with their mission to supply technology to assist in the prevention in over 100 countries worldwide, Datex-Ommeda's vision is to apply technology that facilitate the practice of anesthesia, critical care, patient care, and patient care management.

**Booth 13**

**DATEX-OHMEDA**

Supreme® (DatexOhmeda US) and our entire anesthesia product portfolio

**Booth 1**

**BAXTER**

A revolutionary new patient warming device, Ther-O-Stat, as well as our information system, Baxter's anesthesia/pharmacological products business will feature the introduction of a

**Booth 2**

**ABSTRACT MEDICAL SYSTEMS, Inc.**

manage the entire perioperative encounter.

**Booth 15**

**AMICARE, Inc.**
MEDICAL EDUCATION TECHNOLOGIES, Inc.
Human Patient Simulator (HPS) physically represents the patient including clinical features and monitored parameters via the use of sophisticated psychological and pharmacological models.

MEDICAL PLASTICS LABORATORY, Inc. Booth 4
MPL manufactures and distributes a full line of anatomical reproductions and patient simulators to support your program's training criteria. MPL proudly introduces the Expert Difficult Airway Management Simulator, a lifelike simulator allowing comprehensive hands-on training in the entire spectrum of human airway management. With MPL, you TRAIN for LIFE!

MEDSIM-EAGLE Booth 19
MedSim-Eagle Simulation provides the medical community with innovative ways of teaching clinical skills to healthcare professionals by utilizing the Eagle Patient Simulator and the UltraSim simulator. These high-fidelity systems develop and sharpen student's skills ranging from basic procedures to diagnosis and treatment of patient events to crisis resource management.

NORTH AMERICAN DRAGER Booth 9
North American Drager is one of the world's leading manufacturers of integrated anesthesia systems, or information systems and ceiling service units.

NOVAMETRIX MEDICAL SYSTEMS Inc. Booth 20
Novametrix is a leading designer, manufacturer and marketer of leading edge non-invasive respiratory monitoring products. The product lines included digital pulse oximetry, mainstream capnography, respiratory mechanics and transcutaneous monitors. The CO₂SMO Plus ™ provides continuous measurement of the CO₂ Production and Deadspace parameters directly at the bedside.

PARKER MEDICAL Booth 16
Parker Medical will demonstrate three new products:
A revolutionary, flexible-tip endotracheal tube, designed to avoid trauma to the larynx and trachea; the Parker Intubation Guide, designed to guide endotracheal tubes easily, rapidly and safely through the glottis; the Parker videoendoscope, which allows intubation to be watched through the ET tube.

PHYSIO METRICS Booth 3
The Physio Metrics PMI-210 multifunction oximeter introduces the PMI TFT (Time to frequency Transform) technology providing improved artifact rejection and low perfusion performance. The PMI-210 provides the clinician the advantages of a true digital signal processing (DSP) system for the determination of a patient's SP0₂, pulse rate and respiration rate from the plethysmographic finger sensor.
PICIS, Inc.  
Booth 12
Picis develops, distributes and installs point of care information systems for the healthcare. Picis CareSuite 97 includes: Chart+™, which uses patented technology to connect to medical devices and computing systems; QuickQuery™ which automates query, analysis and report generation; and HospiAudit™, a tool for quality assurance, cost-tracking and clinical research.

PRS  
Booth 6
PRS is a complimentary booklet - Gas Microbubbles in Biology: Their relevance in Toxicology, Physiology and Anesthesia - which provides new information on mechanisms of anesthesia.

PULMONX, Inc.  
Booth 5
Pulmonx develops, manufactures and markets direct visualizations airway management devices for difficult intubations. Pulmonx is commercially releasing the VETT in early 1999.

SIEMENS MEDICAL SYSTEM, Inc.  
Booth 8
Come see the latest technology for the continuum of care at the Siemens booth. We are demonstrating our revolutionary new twist in anesthesia management.

SOMETEC  
Booth 17
DYNEMO 3000™ is a non-invasive hemodynamic monitor which routinely provides anesthesiologist and intensivists with a real-time continuous evaluation of a patient's cardiovascular function. The proprietary technology is based on a patented novel transesophageal ultrasonic design combining anatomic landmarks echography and doppler signals with a powerful proprietary software for cardiac Output (CO) measurement.