

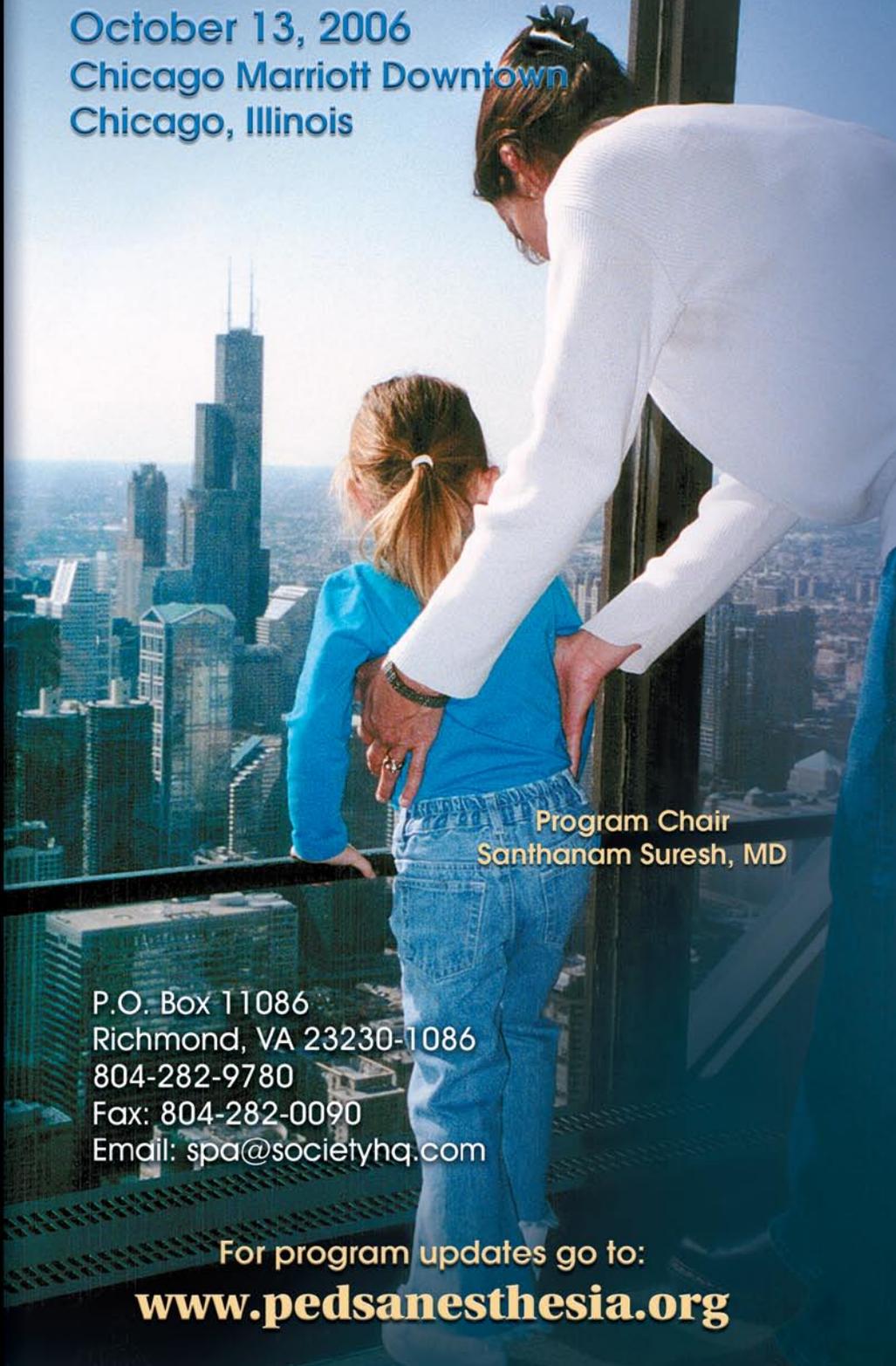


SOCIETY FOR PEDIATRIC ANESTHESIA

# 2006 ANNUAL MEETING

October 13, 2006

Chicago Marriott Downtown  
Chicago, Illinois



Program Chair  
Santhanam Suresh, MD

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For program updates go to:

[www.pedsanesthesia.org](http://www.pedsanesthesia.org)

# Program Description

Welcome to my hometown Chicago, the Windy City, for the 20th Annual Meeting of the Society for Pediatric Anesthesia. We have compiled an exciting program based on feedback from the members of the Society at previous meetings. The theme for this year's meeting will be Pain Management and Medial Informatics.

The morning session will be comprised of two basic science lectures on the neurobiology of acute and chronic pain by two pre-eminent pain specialists. This will be followed by two focused sessions on assessment of pain followed by an overview of non-pharmacological approaches to pain management including distraction, acupuncture, as well as an exciting session on virtual distraction using computerized technology.

The next session will consist of pharmacological approaches to pain management including the use of opioids and non-steroidal, regional anesthetic techniques, as well as newer modalities in pain management and the management of chronic pain in children.

The afternoon session is also comprised of an exciting venture into the use of electronic anesthesia records, a newer error-free computerized prescription writing method, followed by the an overview of large database utilization for multi-center research purposes. Since awareness is a major issue in anesthesia, we will have a 30-minute session discussing newer strides in awareness related research in children as of 2006.

The final lecture will be delivered by an expert in the architecture of Chicago to discuss the monumental work that has gone into some of the finer buildings in Chicago. We are not just a city with tall buildings like the Sears Tower or the John Hancock Building, and I hope you will journey with our final speaker into the variety of different architectural jewels that we have in Chicago.

A reception will follow at a private function at the Museum of Science and Industry, one of the jewels of Chicago. The museum has accommodated us to peruse through some of the areas and I would strongly encourage you to bring your families to enjoy this wonderful reception.

I look forward to seeing you this fall in Chicago and we'll leave the light on for you.

Santhanam Suresh, MD  
*Associate Professor of Anesthesiology & Pediatrics  
Feinberg School of Medicine, Northwestern University  
Children's Memorial Hospital  
Chicago, IL*

## Education Mission Statement

The Annual Meeting will focus on several areas of pediatric anesthesia and healthcare delivery. The overall goals for attendees of this program are to enhance their existing fund of knowledge and introduce them to new state-of-the-art issues that may affect their practice, thereby increasing their ability to provide the highest possible quality of care.

## Target Audience

The program is intended for anesthesiologists and other practitioners who care for children in their practice of anesthesiology and/or critical care medicine. It is also intended for clinical and basic science researchers whose areas of investigation relate to pediatric anesthesia/critical care, as well as physicians and healthcare providers interested in learning more about the practice of pediatric anesthesia.

## CME Credits

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

The Society for Pediatric Anesthesia designates this continuing medical education activity for a maximum of 6.5 credits in Category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

## Registration Deadline

Responses to previous SPA Annual Meeting Programs have been very positive. We recommend that you confirm your registration as early as possible. The deadline for Early Registration is September 4, 2006.

## Maintenance of Certification in Anesthesiology (MOCA)

SPA members who provide us with their ABA Number will automatically have their credits forwarded to the ABA.



# 2006 Annual Meeting

October 13, 2006

Chicago Marriott Downtown • Chicago, IL

## – Scientific Program –

7:00 – 7:45 am

### REGISTRATION

### CONTINENTAL BREAKFAST WITH EXHIBITORS

7:45 – 8:00 am

### WELCOME

Santhanam Suresh, MD; Frank McGowan, MD

8:00 – 9:30 am

Moderator: Elliot J. Krane, MD

8:00 am

### Neurobiology of Acute Pain in Children

K.J.S. Anand, MD, MBBS, DPhil

8:40 am

### Chronic Nociceptive and Neuropathic Pain in Developing Animals and in Children

Charles B. Berde, MD, PhD

9:20 am

### Questions and Discussion

9:30 – 10:00 am

### BREAK WITH EXHIBITORS

10:00 – 11:45 am

### MANAGEMENT OF PAIN IN CHILDREN

Moderator: Allison Kinder Ross, MD

10:00 am

### Assessment of Pain in Children

Shobha Malviya, MD

### NON-PHARMACOLOGIC APPROACHES TO PAIN MANAGEMENT

10:20 am

### Magical Distraction

J. Christian Abajian, MD

10:50 am

### Acupuncture

Brenda Golianu, MD

11:10 am

### Virtual Distraction

Sam R. Sharar, MD

11:30 am

### Questions and Discussions

11:45 am - 1:00 pm

### LUNCH AND BUSINESS MEETING

1:00 – 2:30 pm

### PHARMACOLOGICAL APPROACHES TO PAIN MANAGEMENT

Moderator: Patrick Birmingham, MD

1:00 pm

### Opioids and Non-Steroidals

Julia Finkel, MD

1:20 pm

### Regional Anesthesia

Adrian T. Bosenberg, FFA (SA)

1:40 pm

### Newer Modalities for Pain Management

Brenda C. McClain, MD

2:00 pm

### Chronic Pain Management

John B. Rose, MD

2:20 pm

### Questions and Discussions

2:30 – 3:00 pm

### BREAK WITH EXHIBITORS

3:00 – 4:20 pm

### MEDICAL INFORMATICS & QUALITY ASSURANCE

Moderator: Tetsu Uejima, MD

3:00 pm

### Electronic Anesthesia Records, Can We Make Them User Friendly?

Joseph P. Previte, MD

3:20 pm

### Minimizing Prescription Writing Errors: Computerized Prescription Order Entry

Benjamin H. Lee, MD, MPH

3:50 pm

### Database Management: The Pediatric Regional Anesthesia Consortium as prototype

Lynn D. Martin, MD

4:10 pm

### Questions and Discussion

4:20 – 4:50 pm

### Awareness Under Anesthesia: Where are we in 2006?

Peter J. Davis, MD

4:50 – 5:30 pm

### Architecture of Chicago

Marina Vassi Panos, LEED, AP

6:30 pm

Reception at

THE MUSEUM OF SCIENCE AND INDUSTRY

## - Faculty -

**J. Christian Abajian, MD**

University of Vermont College of Medicine  
Burlington, VT

**K.J.S. Anand, MD, MBBS, DPhil**

Arkansas Children's Hospital  
Little Rock, AR

**Charles B. Berde, MD, PhD**

Children's Hospital, Boston  
Boston, MA

**Patrick K. Birmingham, MD**

Children's Memorial Hospital  
Chicago, IL

**Adrian T. Bosenberg, FFA (SA)**

University of Cape Town  
Cape Town, South Africa

**Peter J. Davis, MD**

Children's Hospital of Pittsburgh  
Pittsburgh, PA

**Julia C. Finkel, MD**

Children's National Medical Center  
Washington, DC

**Brenda Golianu, MD**

Stanford University Medical Center  
Stanford, CA

**Elliot J. Krane, MD**

Stanford University Medical Center  
Stanford, CA

**Benjamin H. Lee, MD, MPH**

The Johns Hopkins Medical Institutions  
Baltimore, MD

**Shobha Malviya, MD**

University of Michigan Health System  
Ann Arbor, MI

**Lynn D. Martin, MD**

Children's Hospital &  
Regional Medical Center  
Seattle, WA

**Brenda C. McClain, MD**

Yale University School of Medicine  
New Haven, CT

**Francis X. McGowan, Jr., MD**

Children's Hospital, Boston  
Boston, MA

**Marina Vassi Panos, LEED, AP**

VOA Associates Inc.  
Chicago, IL

**Joseph P. Previte, MD**

Cincinnati Children's Hospital  
Cincinnati, OH

**John B. Rose, MD**

Children's Hospital of Philadelphia  
Philadelphia, PA

**Allison Kinder Ross, MD**

Duke University Medical Center  
Durham, NC

**Sam R. Sharar, MD**

University of Washington  
Seattle, WA

**Santhanam Suresh, MD**

Children's Memorial Hospital  
Chicago, IL

**Tetsu Uejima, MD**

Children's Memorial Hospital  
Chicago, IL



SPA would like to thank the 2006 supporters for:

**SPA 20th Anniversary  
Annual Meeting**

Chicago Marriott Downtown  
Chicago, IL  
October 13, 2006

**Pediatric Anesthesia 2006**

Sanibel Harbour Resort  
Ft. Myers, FL  
February 16-19, 2006

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as of June 1, 2006

# Program Objectives

## Neurobiology of Acute Pain in Children

At the end of these lectures, the attendee will be able to:

- Recognize neural pathways that lead to acute pain in children
- Understand neurohormonal changes associated with acute pain in children

## Chronic Nociceptive and Neuropathic Pain in Developing Animals and in Children

At the end of these lectures, the attendee will be able to:

- Recognize pain pathways associated with chronic recurrent pain in children
- Understand the neurophysiological changes associated with persistent pain

## MANAGEMENT OF PAIN IN CHILDREN

### Assessment of Pain in Children

At the end of these lectures, the attendee will be able to:

- Utilize current, validated scales of pain measures in children
- Have the ability to discern the specific pain measures that can be used for pre-verbal children as well as cognitively impaired children

## NON-PHARMACOLOGIC APPROACHES TO PAIN MANAGEMENT

### Magical Distraction

At the end of these lectures, the attendee will be able to:

- Use simple distraction measures that can be used for minor painful procedures

### Acupuncture

At the end of these lectures, the attendee will be able to:

- Understand the use of ancient Chinese medicine, ie., acupuncture for management of acute as well as chronic pain in children

### Virtual Distraction

At the end of these lectures, the attendee will be able to:

- Look into high-tech virtual reality methods for reducing painful procedures in children

## PHARMACOLOGICAL APPROACHES TO PAIN MANAGEMENT

### Opioids & Non-Steroidals

At the end of these lectures, the attendee will be able to:

- Understand the pharmacology and the pharmacodynamics of opioids and non-steroidals for management of pain in children

### Regional Anesthesia

At the end of these lectures, the attendee will be able to:

- Apply the use of regional techniques for pain management in children
- Understand some of the newer technology including ultrasonography for performing nerve blocks in children

## Newer Modalities for Pain Management

At the end of these lectures, the attendee will be able to:

- Apply the use of other medications including NMDA receptor antagonists, alpha 2 agonists, anticonvulsants, etc. for concomitant management of pain

## Chronic Pain Management

At the end of these lectures, the attendee will be able to:

- Get a glimpse of some of the common chronic pain problems in children
- Apply a multidisciplinary approach to management of some of the more common chronic pain problems including CPRS-1, headaches, and back pain

## MEDICAL INFORMATICS & QUALITY ASSURANCE

### Electronic Anesthesia Records, Can We Make Them User Friendly?

At the end of these lectures, the attendee will be able to:

- Get a 101 on current electronic anesthesia records that are available
- Look at the strengths and pitfalls of the use of anesthesia records

### Minimizing Prescription Writing Errors: Computerized Prescription Order Entry

At the end of these lectures, the attendee will be able to:

- Decrease prescription writing errors: computerized prescription ordering system
- Understand newer computerized prescription writing methods for pediatric patients

### Multicenter Collaboration for Clinical Improvement: The Pediatric Regional Anesthesia Consortium as prototype

At the end of these lectures, the attendee will be able to:

- Understand how a large database management system will facilitate future multicenter trials as well as prevent future complications in pediatric anesthesia

### Awareness Under Anesthesia: Where are we in 2006?

At the end of these lectures, the attendee will be able to:

- Realize that awareness is a big issue and has to be addressed even in pediatric patients
- Have an idea of current systems that we have that may prevent awareness in the operating room

### Architecture of Chicago

At the end of these lectures, the attendee will be able to:

- Enjoy a scenic overview of Chicago's greatest architectural jewels

# Museum of Science and Industry

The Museum of Science and Industry's mission is to inspire the inventive genius in everyone by presenting captivating and compelling experiences that are real and educational. The Museum offers many classics as well as countless new exhibits to explore! Below is a list of some of the exhibits. For more information, visit [www.msichicago.org](http://www.msichicago.org).



## Genetics: Decoding Life

This cutting-edge exhibit allows guests to experience genetics in action. Learn about cloning, modification, development and genetic mutation while observing cloned mice, genetically modified frogs, baby chicks, zebra fish embryos and genetically mutated fruit flies.

## Old Ben #17

**The Coal Mine** – Welcome to Old Ben #17. Before we descend the 600 feet to the coal seam, let's talk about mine safety, first there's absolutely no smoking or open flames allowed in the mine. The methane gas produced in the mine is flammable. Second, always wear your hardhat. And third, keep in mind where your nearest exit is in case we need to evacuate the mine. OK, let's step into the cage at the top of the shaft.

**Baby Chick Hatchery** – The Baby Chick Hatchery, now located in the Genetics: Decoding Life exhibit, has been a favorite guest spot since 1954. Fertile chicken eggs are placed in the display on the day they are due to hatch, and guests witness as the chicks carefully peck their way out of their shells. Fluffy, newly hatched chicks remain in the exhibit for a few days and continue to delight guests.



## NETWORLD

This exhibit provides a unique experience by allowing guests to actually get inside the Internet and interact with the technology that keeps our modern world connected every day. Guests can enhance their Networld experience by purchasing a Netpass card, which can be used to digitize a guest's body and create an avatar—a computerized personal guide through the exhibit.

## ROBOTS LIKE US

Get ready! You are about to meet a "far-out" collection of robots and space toys from the mid-twentieth century.

These characters tell us a story of a very interesting era — the time between World War II and the first human Moon landing — and they depict how people in the past saw our future. From the 1940s to the 1960s, popular culture was greatly influenced by visions of the future and science fiction fantasies. Robots became the toy to own. They explored the fantasy of an unknown frontier and were armed with the technology of the future!

The future is now, and the kids who first played with these toys are all grown up. And guess what? Robots have grown up too! Check out the cutting-edge real robots of today and learn about the latest innovations in robotic development and design.

## ToyMaker 3000

Check out the Museum's technological wonder, ToyMaker 3000, to learn about automated manufacturing and robotics! Witness the handiwork of 12 robots as they assemble 300 colorful "gravitron" toy tops in an hour. Purchase your own gravitron and see it made before your eyes—with your name engraved on it!

## Frogs – A chorus of colors

Go eye to eye with more than 150 live vibrantly colored frogs from around the world. From the poisonous to the polka-dotted to the purple, you'll see beautiful and bizarre frogs. Perform a virtual dissection and learn about frog biology without putting an animal under the knife. Learn how frogs' fates are faltering in our changing environment and what you can do to help.



## The Great Train Story

The Great Train Story replaces the Museum's 60-year-old model railroad exhibit and boasts a 3,500 square foot layout, which depicts the railroad's winding journey between Chicago and Seattle, passing through the Midwest, the Plains States, the Rockies, the Cascades, and into the Pacific Northwest. Along the way, trains are involved in industries as diverse as grain commodities, raw materials for manufacturing, consumer goods for import and export, lumber, apples, and tourism.

## Petroleum Planet

Getting chilly outside? Don your favorite Gore-Tex™ jacket and apply some lip balm. Breath a little ripe? Brush your teeth and top it off with a nice minty stick of chewing gum. And remember to thank the petroleum industry while you're at it!

# - Registration -

## SPA 20th Annual Meeting

### October 13, 2006 • Chicago, IL

Please Print or Type Information

Name \_\_\_\_\_ Degree \_\_\_\_\_

Address (Check Preference):    ( ) Home    ( ) Business

City / State / Zip \_\_\_\_\_

Phone (    ) \_\_\_\_\_ Fax (    ) \_\_\_\_\_

Business Telephone (    ) \_\_\_\_\_ Email \_\_\_\_\_

Hospital Affiliation \_\_\_\_\_

(    ) I plan to attend the SPA Reception

\* (    ) I plan to bring a guest with me to the SPA Reception (Extra Fee)

**Registration Fees:** Registration fee includes meeting syllabus (CD-ROM), continental breakfast, luncheon, breaks and reception.

	Thru September 2	After September 2	
SPA Members, includes Resident Members .....	\$200.....	\$250.....	\$ _____
Non SPA Members (U.S. or Canada).....	\$300.....	\$350.....	\$ _____
International Non-member .....	\$250.....	\$300.....	\$ _____
Allied Health .....	\$175.....	\$225.....	_____
Student Nurse Anesthetist.....	\$175.....	\$225.....	\$ _____
*Extra SPA Reception Tickets.....	\$50.....	\$65.....	\$ _____
Educational/Research Fund Donation.....			\$ _____
(SPA is a 501(c)3 organization and donations are tax deductible as allowed by law. Contributions will be acknowledged.)			
		TOTAL \$	_____

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*SPA members who provide us with their ABA Number will automatically have their credits forwarded to the ABA.*

**Payment**

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**Refund Policy**

Full refund less \$50 administrative fee through August 7, 2006; 50% refund less \$50 administrative fee; August 7-September 4, 2006; No refunds after September 4, 2006. Refunds determined by date written cancellation is received.

Make Check payable to the **Society for Pediatric Anesthesia** and mail to:

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[www.pedsanesthesia.org](http://www.pedsanesthesia.org)

## Housing Information

**The SPA 20th Annual Meeting will be held at the Chicago Marriott Downtown.**

Hotel reservations can only be made on line through the ASA Website at [www.ASAhq.org](http://www.ASAhq.org). On the left hand side of the home page, click on Annual Meeting. On the left hand side of this page, click on Hotel Reservations and then follow the directions. Any questions pertaining to hotel reservations, changes or cancellations should be directed to the ITS Office at (847) 282-2529 or electronically through the Reservations Page by clicking on FAQ.



P.O. Box 11086  
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