

CONGENITAL CARDIAC ANESTHESIA SOCIETY

10TH ANNIVERSARY



2015

ANNUAL MEETING

March 12, 2015 • Arizona Biltmore • Phoenix, AZ



ARIZONA
BILTMORE

A WALDORF ASTORIA RESORT



For up-to-date program and registration information, please visit

www.ccasociety.org

Education Mission Statement

The CCAS Meeting will focus on topics of interest to those who provide anesthesia, sedation, pain management, and critical care services to infants and children with heart disease, and adults with congenital heart disease. The overall goals for attendees of the program are to reinforce and enhance their existing fund of knowledge, while introducing them to new and state-of-the-art techniques and information that affect their practice and improve the perioperative care of patients with heart disease.

Scope & Types of Activities

The program brings together experts from clinical and basic science disciplines related to cardiology, anesthesia and cardiac surgery. General topic areas include cardiac anatomy, pathophysiology, anesthesia, echocardiography, electrophysiology, surgery, cardiopulmonary bypass, patient safety, and database resources.

The presentation format includes lectures and reviews, panels and discussions. An important part of the program is the presentation of new clinical and basic science research in oral and moderated poster-discussion forums. Significant attendee involvement and feedback are encouraged in all aspects of the program, and will be facilitated by the use of real time computerized audience polling as well as sessions where the audience directly participates in case discussions. Program content is, in fact, the direct result of membership input and extensive audience polling at prior meetings.

Target Audience

This program is intended for anesthesiologists and other practitioners who care for children with any form of cardiac disease and adults with congenital heart disease. It is also intended for clinical and basic science researchers whose areas of investigation relate to pediatric cardiac anesthesia or congenital heart disease.

Accreditation and Designation

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 Live activity for a maximum of 8.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Hotel Information

Since 1929, Arizona Biltmore has been a destination of inspiration. 39 acres of gardens, swimming pools and iconic architecture stir a city to life, provide safe haven to celebrities and presidents, and play muse to guests' whims and wishes throughout this historical luxury resort. Championship golf, a 22,000+ square foot spa and fitness center, multiple restaurants, and a variety of amenities await you. Experience the unrivaled grace of this timeless treasure with a spirited soul.

Welcome to the 2015 CCAS Annual Meeting



Nina A. Guzzetta, MD,
FAAP
Program Chair

Dear colleagues and friends,

Welcome to the 2015 Congenital Cardiac Anesthesia Society (CCAS) 9th Annual Meeting – to be held will be held at the Arizona Biltmore Resort in Phoenix, Arizona on Thursday, March 12th. This luxury desert resort has been a coveted vacation site since 1929 and is the perfect place to celebrate the 10th anniversary of the CCAS. You can also register for the SPA/AAP Pediatric Anesthesiology 2015 Meeting (March 13 – 15) at the same venue.

This year's program celebrates achievements in our field since the CCAS was founded in 2005. It also reflects our society's mission: to advance the perioperative care of patients with congenital heart disease by promoting excellence in clinical care, education and research. We are excited to host a faculty of experts presenting the latest information

and advances in congenital cardiac anesthesia, pediatric cardiology, congenital cardiac surgery and cardiovascular research.

As customary, the meeting will open with a basic science and clinical application session. This year we highlight normal and pathologic physiology of the right ventricle. The basic science lecture will review the mechanical interactions between the right and left ventricle and why these interactions change in malformed hearts. It will be followed by a clinical application lecture presenting a comprehensive review of current and novel management strategies for right heart failure. The next session consists of three presentations each addressing a different controversial topic regarding the management of congenital cardiac patients during pediatric cardiopulmonary bypass. The final morning session will be a special tribute to Congenital Cardiac Anesthesiology starting with a review of several of the most influential articles in our field and their impact on current practice. The second lecture will provide a historical look at the development of congenital cardiac anesthesiology as a sub-specialty.

The afternoon begins with oral presentations of the three highest scoring research abstracts. Next, we emphasize the Congenital Cardiac Database and its key mission from a board perspective and from the anesthesia viewpoint. We will discuss the importance of multi-institutional and multi-specialty databases in advancing quality improvement and examine the anesthesia portion of the Congenital Cardiac Database – its development, its value in quality improvement and what we've learned. We continue with an in-depth review of the complex congenital malformation total anomalous pulmonary venous connections. A multidisciplinary team (cardiologist, surgeon and anesthesiologist) will discuss this challenging lesion. The program concludes with a poster viewing session and a discussion of selected research abstracts. At the end of the day, join us for a celebratory wine and cheese reception.

At this year's meeting, you will have the opportunity to reinforce your knowledge base, learn new concepts and share ideas with others. Our outstanding faculty will present both scientific and clinical relevant information appealing to a wide range of practice experiences. Anesthesiologists and other health care professionals are encouraged to attend, whether you are exclusively involved in congenital heart disease or provide for pediatric or adult patients with cardiac issues on a less regular basis.

This program is the combined effort of several individuals who are passionate about congenital cardiac anesthesiology. It has also been crafted out of the formal and informal, highly valuable input that many of you have provided. My sincere thanks to the meeting co-chairs, Mark Twite and Scott Walker, for their hard work and innovative solutions. I also want to acknowledge the efforts of the CCAS Board of Directors, Kim Battle and others at our association management company (Ruggles Service Corporation). We are confident that that this year's meeting will be intellectually stimulating and clinically applicable.

We look forward to celebrating with you. Enjoy the meeting!

SCIENTIFIC PROGRAM

- 7:00 am - 5:00 pm** **Registration**
- 7:00 - 7:30 am** **Breakfast with Exhibitors**
- 7:30 - 7:45 am** **Welcome**
Emad B. Mossad, MD
- Outline of Educational Program**
Nina A. Guzzetta, MD

Session I: Basic Science & Clinical Application

Moderator: Nina A. Guzzetta, MD

- 7:45 - 8:25 am** **Physiology of RV-LV Interactions in the Normal and Failing Heart**
Andrew N. Redington, MBBS, MRCP, MD, FRCP
- 8:25 - 9:05 am** **Novel Therapeutic Strategies for the Management of RV Failure**
Jeffrey R. Fineman, MD
- 9:05 - 9:15 am** **Questions and Discussion**
- 9:15 - 9:45 am** **COFFEE BREAK with Exhibitors**

Session II: Controversial Aspects of Pediatric CPB

Moderator: Victor C. Baum, MD

- 9:45 - 10:05 am** **Should NIRS be Standard Care for Pediatric CPB?**
Chandra Ramamoorthy, MBBS, FRCA
- 10:05 - 10:25 am** **Antifibrinolytics for Pediatric CPB – Which Drug, How Much and When?**
Michael P. Eaton, MD
- 10:25 - 10:45 am** **What is the Optimal Hematocrit During Pediatric CPB?**
Gina Whitney, MD
- 10:45 - 11:00 am** **Questions and Discussion**

Session III: Celebrating 10 Years of the Congenital Cardiac Anesthesia Society

Moderator: Mark D. Twite, MA, MB, BChir, FRCP

- 11:00 - 11:30 am** **Landmark Articles in Congenital Cardiac Anesthesia**
Robert H. Friesen, MD
- 11:30 - Noon** **Congenital Cardiac Anesthesia as a Specialty: Where We've Been and Where We're Going**
Paul R. Hickey, MD
- Noon - 1:00 pm** **LUNCH with Exhibitors**

Session IV: Selected Posters for Oral Presentations

Moderator: Scott G. Walker, MD

- 1:00 - 1:45 pm** **Posters: Selected Oral Presentations (Three Posters)**

Session V: The Congenital Cardiac Database and Clinical Practice

Moderator: Emad B. Mossad, MD

- 1:45 - 2:25 pm** **Driving Quality Improvement with the Congenital Cardiac Database – Why Does It Matter?**
Sara K. Pasquali, MD, MHS
- 2:25 - 2:45 pm** **An Update on the Congenital Cardiac Anesthesia Database**
David F. Vener, MD
- 2:45 - 3:00 pm** **Questions and Discussion**
- 3:00 - 3:30 pm** **COFFEE BREAK with Exhibitors**

Session VI: Focus on a Lesion: Total Anomalous Pulmonary Venous Connection

Moderator: Peggy P. McNaul, MD

- 3:30 - 3:55 pm** **Anatomy and Diagnostic Imaging**
Timothy C. Slesnick, MD
- 3:55 - 4:20 pm** **Surgical Management**
Daniel A. Velez, MD
- 4:20 - 4:45 pm** **Anesthetic Considerations**
Andrew Wolf, MB, BChir, MD, FRCA
- 4:45 - 5:00 pm** **Questions and Discussions**

Session VII: Posters: Viewing and Discussion

Moderators: Jeremy M. Geiduschek, MD; Andrew D. Pitkin, MBBS MRCP FRCA; Lisa Wise-Faberowski, MD

- 5:00 - 6:00 pm** **Posters: Viewing and Discussion**
- 6:00 - 7:30 pm** **CCAS 10th Anniversary Celebration Reception**

CONVENIENT ONLINE REGISTRATION!

Visit www.ccasociety.org to register for the meetings and book your hotel reservations online.

Registration rates increase after February 13, 2015. Printable forms are also available at www.ccasociety.org.

Hotel Accommodations

Arizona Biltmore
2400 E Missouri Ave, Phoenix, AZ, 85016
(800) 950-0086 or (602) 955-6600

SPA Group Rates: \$269 plus tax Single/Double
Cut-off date is Thursday, February 18, 2015.

Go to www.ccasociety.org for the link to make your hotel reservations online. Or call (800) 950-0086 to make your reservations.

OBJECTIVES

Session I: Basic Science and Clinical Application

Upon completion of this session, the participant will be able to:

- Understand the basic mechanical interactions between the RV and LV in both normal and malformed hearts
- Review conventional modalities used to assess RV function
- Review current medical and surgical management strategies for RV failure

Session II: Controversial Aspects of Pediatric CPB

Upon completion of this session, the participant will be able to:

- Review and discuss several controversial issues regarding the management of patients with congenital heart disease during CPB

Session III: Celebrating 10 Years of the Congenital Cardiac Anesthesia Society

Upon completion of this session, the participant will be able to:

- Review several of the most influential articles in the field of congenital cardiac anesthesiology
- Present the historical development and future trends of congenital cardiac anesthesiology as a sub-specialty

Session IV: Selected Posters for Oral Presentations

Upon completion of this session, the participant will be able to:

- Learn about new research findings pertinent to the practice of congenital cardiac anesthesia

Session V: The Congenital Cardiac Database and Clinical Practice

Upon completion of this session, the participant will be able to:

- Discuss the benefits and limitations of multi-institutional and multi-specialty databases in driving quality improvement
- Discuss the latest anesthesia data from the STS/ Congenital Cardiac Database and how certain trends may affect clinical practice

Session VI: Focus on a Lesion - Total Anomalous Pulmonary Venous Connections (TAPVC)

Upon completion of this session, the participant will be able to:

- Understand the various anatomic features and imaging modalities that characterize TAPVC
- Present the surgical approaches and outcome data
- Review the anesthetic and perioperative management

Session VII: Posters: Viewing and Discussion

Upon completion of this session, the participant will be able to:

- Learn about the latest research in the field of congenital cardiac anesthesia

For a full list of learning objectives, please visit <http://www.ccasociety.org/meetings>.



FACULTY

Victor C. Baum, MD

University of Virginia Medical Center
Charlottesville, VA

Michael P. Eaton, MD

University of Rochester Medical Center
Rochester, NY

Jeffrey R. Fineman, MD

University of California, San Francisco
San Francisco, CA

Robert H. Friesen, MD

Children's Hospital of Colorado
Aurora, CO

Jeremy M. Geiduschek, MD

Seattle Children's Hospital
Seattle, WA

Nina A. Guzzetta, MD

Emory University School of Medicine
Children's Healthcare of Atlanta
Atlanta, GA

Paul R. Hickey, MD

Boston Children's Hospital
Boston, MA

Peggy P. McNaul, MD

University of North Carolina at Chapel Hill
Chapel Hill, NC

Emad B. Mossad, MD

Texas Children's Hospital
Houston, TX

Sara K. Pasquali, MD, MHS

CS Mott Children's Hospital/University
of Michigan
Ann Arbor, MI

Andrew D. Pitkin, MBBS MRCP FRCA

University of Florida College of Medicine
Gainesville, FL

Chandra Ramamoorthy, MBBS, FRCA

Stanford University
Stanford, CA

Andrew N. Redington, MBBS, MRCP, MD, FRCP (C)

Hospital for Sick Children (SickKids)
Toronto, ON, Canada

Timothy C. Slesnick, MD

Emory University School of Medicine
Sibley Heart Center
Atlanta, GA

Mark D. Twite, MA, MB, BChir, FRCP

Children's Hospital of Colorado
Aurora, CO

Daniel A. Velez, MD

Phoenix Children's Heart Center
Phoenix, AZ

David F. Vener, MD

Texas Children's Hospital
Houston, TX

Scott G. Walker, MD

Riley Children's Hospital
Indianapolis, IN

Gina Whitney, MD

Vanderbilt University Medical Center
Nashville, TN

Lisa Wise-Faberowski, MD

Stanford University
Stanford, CA

Andrew Wolf, MB, BChir, MD, FRCA

Bristol Royal Children's Hospital,
Bristol, Great Britain
Visiting Professor Rush University Medical Center
Chicago, IL



2015

ANNUAL MEETING

March 12, 2015 • Arizona Biltmore • Phoenix, AZ

PROGRAM REGISTRATION

REGISTER ONLINE AT WWW.CCASOCIETY.ORG!

If paying by check, please make checks payable to **SPA** and mail to:

2209 Dickens Road, Richmond, VA 23230-2005; Phone: (804) 282-9780; Fax: (804) 282-0090; E-Mail: ccas@societyhq.com

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Accompanying Person(s) Name(s) _____

*E-mail REQUIRED for registration confirmation.

	Through 2/13/2015	After 2/13/2015
<input type="checkbox"/> CCAS Member (US/Canada)	\$300	\$350
<input type="checkbox"/> CCAS Non-Member	\$400	\$450
<input type="checkbox"/> Resident <input type="checkbox"/> Fellow	\$75	\$100
<input type="checkbox"/> CCAS International Member	\$250	\$300

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Please note that if you choose to pay by credit card, your statement will reflect a payment to the Society for Pediatric Anesthesia.

Refund Policy: A full refund through 2/13/2015; 50% refund from 2/14 - 2/27/2015; no refunds after 2/28/2015. Refunds will be determined by date **written** cancellation is received.

IF YOU DO NOT RECEIVE A CONFIRMATION E-MAIL FROM THE CCAS WITHIN 30 DAYS OF SUBMITTING YOUR REGISTRATION, PLEASE CALL/EMAIL THE OFFICE TO CONFIRM THAT YOUR REGISTRATION MATERIAL HAS BEEN RECEIVED.