





CONGENITAL CARDIAC ANESTHESIA SOCIETY

2014 *Annual Meeting*

March 6, 2014  Marriott Harbor Beach  Ft. Lauderdale, FL



Meeting Information

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

Hotel Information

Highlighted by a pristine oceanfront location and close proximity to the airport, Marriott Harbor Beach Resort & Spa in Fort Lauderdale, Florida, embodies an upscale retreat. Secluded on 16 waterfront acres, guests enjoy an idyllic private beach setting near the area's top attractions. The resort's 22,000-sq-ft spa boasts indigenous treatments and views of sparkling Atlantic waters. Three restaurants span the resort hotel, including the upscale 3030 Ocean Restaurant with modern American seafood. An abundance of recreation, water sports, a tropical lagoon pool and children's activities make the resort's facilities one of a kind. For meetings and events, the resort on the beach offers 100,000 sq ft of combined indoor and outdoor event space. This beachfront resort is an authentic resort experience where memories are worth repeating.

Welcome to the 2014 Congenital Cardiac Anesthesia Society Annual Meeting



Wanda C. Miller-Hance, MD, FACC, FASE
Program Chair

A warm welcome to the 2014 Congenital Cardiac Anesthesia Society (CCAS) Annual Meeting! The meeting is being held at a wonderful beachfront location, the Marriott Harbor Beach Resort & Spa in Fort Lauderdale, Florida, immediately preceding the SPA/AAP Pediatric Anesthesiology 2014 meeting. We are looking forward to a great educational offering, plenty of sun, ocean breeze, and a relaxing time.

This year's meeting represents the 8th annual session of the CCAS. We have prepared a program that reflects the mission of our organization - advancing the perioperative care of patients with congenital heart disease by promoting excellence in clinical care, education, and research. We hope to build on the success of prior meetings by featuring throughout the day the latest information and advances in the fields of congenital cardiac anesthesia, pediatric cardiology, congenital heart surgery, and cardiovascular research presented by a faculty of experts.

The day begins with a session that focuses on scientific advances in the treatment of cardiovascular disease with relevant applications to congenital pathology.

The latest developments in tissue engineering related to current efforts in creating a completely new heart will be presented. This is followed by a comprehensive review of current medical and surgical management strategies for pediatric heart failure. The next session consists of presentations addressing a variety of different topics with practical applications to congenital cardiac anesthesia. Highlights include the child with heart disease undergoing noncardiac surgery and the adult patient with congenital heart disease. The morning ends with a discussion of recent published literature relevant to congenital cardiac care.

The afternoon session is initiated by oral presentations of the highest-scoring research abstracts submitted to the meeting. Next is a lively session designed to discuss clinical challenges and their management in congenital heart disease. This case-based discussion, featuring a panel of experts and audience participation, aims to be a highly interactive and dynamic session and was developed in response to feedback received from prior CCAS meetings. The mid-afternoon session, presented by a multidisciplinary team, is an in-depth overview of the interesting congenital malformation of pulmonary atresia and intact ventricular septum. The conclusion of the program features a poster viewing session where selected research work will be discussed; thereafter, an opportunity to socialize with colleagues, friends, and meet new people.

We have included in the program a variety of topics that reflect the ever-evolving nature of cardiovascular medicine with an appeal to practitioners with various levels of experience. We hope that this will be an excellent opportunity to reinforce your knowledge base, learn new concepts, and share with others. Anesthesiologists and other health care professionals are encouraged to attend, whether the clinical practice exclusively involves congenital heart disease or care of patients with cardiac issues, the pediatric or adult age-group, on a less regular-basis.

This program is the combined effort of several individuals who are passionate about congenital cardiac anesthesia and advancing the field. It has been carved out of the formal and informal highly-valuable input that many of you have provided. We also want to acknowledge the efforts of the CCAS Board, Kim Battle and others at our association management company (Ruggles Service Corporation). We are confident that this meeting will be intellectually stimulating and anticipate that the participant will be able to incorporate new knowledge in his/her clinical practice.

Enjoy the meeting!

Wanda C. Miller-Hance, MD, FACC, FASE
Program Chair

Nina A. Guzzetta, MD
Program Co-Chair

Mark D. Twite, MA MB BChir FRCP
Program Co-Chair

Scientific Program

7:00 am – 5:00 pm	Registration
7:00 – 7:30 am	Breakfast with Exhibitors
7:30 – 7:45 am	Welcome <i>Helen M. Holtby MBBS, FRCP(C)</i> <i>CCAS President</i>
	Outline of Educational Program <i>Wanda C. Miller-Hance, MD</i>

Session I: Basic Science & Practical Application

Moderator: Gregory B. Hammer, MD

7:45 – 8:25am	Creation of a New Heart: Science or Fiction? <i>Doris A. Taylor, PhD</i>
8:25 – 9:05 am	Heart Failure in Children: Current Management Strategies <i>Peter C. Laussen, MBBS</i>
9:05 – 9:15 am	Questions and Discussion
9:15 – 9:45 am	Coffee Break with Exhibitors

Session II: Practical Aspects of Cardiac Anesthesia Practice: A Potpourri

Moderator: Suanne M. Daves, MD

9:45 – 10:05 am	Patient with a Berlin Heart Needs Non-Cardiac Surgery: What Should I be Concerned With? <i>Laura K. Diaz, MD</i>
10:05 – 10:25 am	Dexmedetomidine: What is its Role in the Pediatric Cardiac Patient? <i>Lawrence I. Schwartz, MD</i>
10:25 – 10:45 am	Young Adult with Failed Fontan Circulation and Symptomatic Tachycardia: What is Your Next Move? <i>Jane Heggie, MD</i>
10:45 – 11:00 am	Questions and Discussion

Session III: Literature: Insightful Picks

Moderator: Dean B. Andropoulos, MD

11:00 – 11:20 am	Andreas W. Loepke, MD
11:20 – 11:40 am	Richard J. Levy, MD
11:40 am – Noon	Alexander J.C. Mitnacht, MD
Noon – 1:00 pm	Lunch

Session IV: Selected Posters for Oral Presentations

Moderator: Shobha Malviya, MD

1:00 – 1:45 pm	Oral Presentations of Selected Posters
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Session V: Clinical Practice

Moderator: Nina A. Guzzetta, MD

1:45 – 3:00 pm	Whose Case is it Anyway? <i>Panelists: Bruce E. Miller, MD; Nina Deutsch, MD; Luis M. Zabala, MD</i>
3:00 – 3:30 pm	Coffee Break with Exhibitors

Session VI: Focus on a Lesion: Pulmonary Atresia and Intact Ventricular Septum

Moderator: Mark D. Twite, MA MB, BCh

3:30 – 3:55 pm	Anatomy, Physiology, and Diagnostic Imaging <i>Larry A. Latson, MD</i>
3:55 – 4:20 pm	Surgical Management <i>Redmond P. Burke, MD</i>
4:20 -4:45 pm	Anesthetic Considerations for Palliative and Definitive Procedures <i>Kirsten C. Odegard, MD</i>
4:45 – 5:00 pm	Questions and Discussions

Session VII: Posters-Viewing and Discussion

(Refreshments Provided)

Moderators: Chandra Ramamoorthy, MD; Lena S. Sun, MD; Scott G. Walker, MD

5:00 – 6:00 pm	Posters: Viewing and Discussion
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CONVENIENT ONLINE REGISTRATION!

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

Registration rates increase after February 18, 2014. Printable forms are also available at www.ccasociety.org.

Hotel Accommodations

Marriott Harbor Beach Resort
3030 Holiday Drive, Fort Lauderdale, FL 33316
Phone: 1-888-789-3090 or 1-800-222-6543

SPA Group Rates: \$289 Single/Double
Cut-off date is Thursday, February 20, 2014.

Go to www.ccasociety.org for the link to make your hotel reservations online. Or call 888-789-3090 to make your reservations.

Group Code: SPA Winter Meeting

Objectives

SESSION I: BASIC SCIENCE AND CLINICAL APPLICATIONS

- Present the latest research breakthroughs on tissue engineering and building new hearts
- Review current medical and surgical management strategies for pediatric heart failure

SESSION II: PRACTICAL ASPECTS OF CARDIAC ANESTHESIA PRACTICE: A POUPOPORRI

- Review and discuss anesthetic management strategies for patients with congenital heart disease

SESSION III: LITERATURE: INSIGHTFUL PICKS

- Review three significant cardiac anesthesia-related publications
- Highlight the importance of each manuscript to the anesthetic care of congenital cardiac patients

SESSION IV: SELECTED POSTERS FOR ORAL PRESENTATION

- Learn about new research work with applications to congenital cardiac anesthesia practice

SESSION V: CLINICAL PRACTICE: WHOSE CASE IS IT ANYWAY?

- Present and discuss clinical scenarios which highlight challenges in the anesthetic management of patients with congenital heart disease

SESSION VI: FOCUS ON A LESION: PULMONARY ATRESIA AND INTACT VENTRICULAR SEPTUM

- Review the anatomy and pathophysiology of pulmonary atresia and intact ventricular septum
- Discuss how different imaging modalities can provide information to assist in the management of patients with this lesion

- Present the various strategies for surgical management
- Highlight anesthetic considerations during palliative and definitive interventions

SESSION VII: POSTERS

- Learn about the latest research in the field of congenital cardiac anesthesia
- Discuss evolving approaches in the anesthetic care of patients with congenital heart disease

Faculty

Dean B. Andropoulos, MD, MHCM
Texas Children's Hospital
Houston, TX

Redmond P. Burke, MD
The Congenital Heart Institute at Miami
Children's Hospital
Miami, FL

Suanne M. Daves, MD
Vanderbilt University Medical Center
Nashville, TN

Nina Deutsch, MD
Children's National Medical Center
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