



We Treat Kids Better

Children's Hospital Los Angeles  
Department of Anesthesiology  
4650 Sunset Blvd. MS#3  
Los Angeles, CA 90027

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REVIEW OF PEDIATRIC ANESTHESIOLOGY

# 56th CLINICAL CONFERENCE IN PEDIATRIC ANESTHESIOLOGY



## February 9 – 11, 2018

*Disneyland® Hotel*  
Anaheim, California

PEDIATRIC ANESTHESIOLOGY FOUNDATION  
CHILDREN'S HOSPITAL LOS ANGELES  
[www.pediatric-anesthesiology-foundation.org](http://www.pediatric-anesthesiology-foundation.org)

# 56th CLINICAL CONFERENCE IN PEDIATRIC ANESTHESIOLOGY

## Friday Evening February 9, 2018

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**5:00 pm** REGISTRATION AND EXHIBITS OPEN

**6:40 pm** WELCOME TO EVENING SESSION

**6:45 pm** UPDATES IN PEDIATRIC ANESTHESIA

Moderator: Gary Scott, MD

Caleb's Law: Single provider sedation – Charles Coté, MD

Burns in the operating room – Jerrold Lerman, MD

Help! A Fontan on my list – Annette Schure, MD

Nitric Oxide: Pulmonary hypertension, ARDS, and CPR - Todd Kilbaugh, MD

Questions for the speakers

**8:45 pm** ADJOURN

## Saturday Morning February 10, 2018

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**7:00 am** CONTINENTAL BREAKFAST AND EXHIBITS

**7:50 am** WELCOME: Rebecca Margolis, DO

**8:00 am** MORNING SESSION 1

Moderator: Elizabeth Bragg, MD

Clinical pearls from the ICU – Todd Kilbaugh, MD

Can intubate, can't ventilate: Difficult ventilation in the child with severe bronchospasm – Jürg Hammer, MD

Ultrasound for arterial, central venous, and peripheral venous access – Dean Andropoulos, MD

Questions for the speakers

**10:00 am** COFFEE AND EXHIBITS

**10:30 am** MORNING SESSION 2

Moderator: Elizabeth Bragg, MD

Anesthesia for cleft lips and palates – John Fiadjoe, MD

Pearls and pitfalls in the management of midface craniofacial dyscrasias:

A surgeon's perspective – Colin Brady, MD

Direct laryngoscopy: A skill rarely taught – Jerrold Lerman, MD

Questions for the speakers

**12:05 pm** LUNCHEON

## Saturday Afternoon February 10, 2018

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**1:15 pm** INTRODUCTION OF THE DIGBY LEIGH SPEAKER Randall Wetzel, MB BS

Anesthesia and the developing brain: Implications of the FDA warning – Dean Andropoulos, MD

**2:30 pm** AFTERNOON SESSION 1

Moderator: Samuel Yanofsky, MD, MEd

Help! What to do with these cardiac patients coming for non-cardiac procedures? – Annette Schure, MD

Mechanical ventilation in the OR: Why are you using adult guidelines in pediatrics? – Patrick Ross, MD

Questions for the speakers

**3:30 pm** COFFEE AND EXHIBITS

**4:00 pm** AFTERNOON SESSION 2

Moderator: Samuel Yanofsky, MD, MEd

Latex allergies and anaphylaxis – Charles Coté, MD

Immersive technologies in pediatric perioperative medicine - Thomas Caruso, MD and Samuel Rodriguez, MD

Mindfulness in medicine – John Fiadjoe, MD

Questions for the speakers

**5:30 pm** ADJOURN

## Sunday Morning February 11, 2018

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**7:00 am** CONTINENTAL BREAKFAST AND EXHIBITS

**8:00 am** ULTRASOUND WORKSHOP *\*\* Early registration and separate fee required*

Andrew Costandi, MD; Eugene Kim, MD; Sang Le, MD; Carl Lo, MD

**8:00 am** MORNING SESSION 1

Moderator: Neha Patel, MD

Management of arrhythmias in the OR – Michelle Schlunt, MD

Anesthesia for craniosynostosis – Tiffany Frazee, MD

The art of induction: Applications of medical humanities in perioperative medicine - Samuel Rodriguez, MD

**9:30 am** COFFEE AND TIME TO CHECK OUT

**10:00 am** MORNING SESSION 2

Moderator: Neha Patel, MD

Tylenol: Beyond the rose-colored glasses – Rebecca Margolis, DO

Rigid and flexible bronchoscopy in the NICU and PICU – Jürg Hammer, MD

From paper to practical: Translating evidence based mentorship strategies into programs that accelerate professional growth – Thomas Caruso, MD

Managing social media: The medical perspective – Jennifer Lau, MD

**12:30 pm** ADJOURN

## FACULTY

### Dean Andropoulos, MD

Texas Children's Hospital  
Baylor Medical Center  
Houston, TX

### Colin Brady, MD

Emory University  
Atlanta, GA

### Charles J. Coté, MD, FAAP

Massachusetts General Hospital  
Boston, MA

### John Fiadjoe, MD

The Children's Hospital of Philadelphia  
University of Pennsylvania  
Philadelphia, PA

### Jürg Hammer, MD

Basel Children's Hospital  
Basel, Switzerland

### Todd Kilbaugh, MD

The Children's Hospital of Philadelphia  
University of Pennsylvania  
Philadelphia, PA

### Jerrold Lerman, MD, FRCPC, FANZCA

Women and Children's Hospital of Buffalo,  
SUNY at Buffalo and  
University of Rochester  
Rochester, NY

### Annette Schure, MD

Boston Children's Hospital  
Boston, MA



## Faculty from the Children's Hospital Los Angeles Department of Anesthesiology Critical Care Medicine

### Andrew Costandi, MD

### Elizabeth Bragg, MD

### Tiffany Frazee, MD

### Eugene Kim, MD

### Jennifer Lau, MD

### Sang Le, MD

### Carl Lo, MD

### Rebecca Margolis, DO

### Neha Patel, MD

### Patrick Ross, MD

### Michelle Schlunt, MD

### Gary Scott, MD

### Randall Wetzel, MB BS

### Samuel Yanofsky, MD, MSED

## ACCREDITATION

Children's Hospital Los Angeles is accredited by the Institute for Medical Quality / California Medical Association (IMQ/CMA) to provide continuing medical education for physicians. Children's Hospital Los Angeles takes responsibility for the content, quality and scientific integrity of this CME activity. Children's Hospital Los Angeles designates this "56th Clinical Conference in Pediatric Anesthesiology" for a maximum of 13 hours AMA PRA Category 1 Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity. This credit may also be applied to the CMA Certification in Continuing Medical Education. 2018 Conference attendees should be aware of current procedures for obtaining their CME credit. Attendees must complete, sign and return a CME documentation form to record the sessions that were actually attended. Signing the form also functions as verification of your attendance at the meeting. Forms that are not signed will be returned. To comply with current policies of the ACGME and the American Medical Association, The Pediatric Anesthesiology Foundation will award CME certificates noting the actual number of hours that each physician participated in educational activities. Certificates will be sent after the meeting.

\* CRNA CE credits are determined by the AANA; ASATT CE credits are determined by the ASATT; please check with us for the amount of credits.

## HOTEL ACCOMMODATIONS

The conference will be held at the Disneyland® Hotel. The address is 1150 Magic Way, Anaheim, CA 92802. For directions to the hotel or more information, please visit their website at <http://disneyland.disney.go.com/disneyland-hotel/>

Make your room reservation now! The special rate for the conference is \$214.00 plus taxes and fees. A limited number of rooms are reserved at this rate. To secure a room please contact the Disneyland® Resort by booking online 24/7 at <https://www.mydisneygroup.com/gd5b18a> or by calling (714) 520-5005, M-F from 8 am to 5 pm PST. Reservations must be made by Saturday, January 13, 2018 or before the group rooms are sold out, so do not delay. Prevailing rates may apply after this date or when the group rooms are sold out, whichever occurs first. Rooms are subject to availability.

## DISCOUNT THEME PARK TICKETS

Discount theme park tickets can be purchased through a link on the site <https://www.mydisneygroup.com/gd5b18a> These special ticket prices are not available once you arrive at the Resort. Tickets are valid from February 6, 2018 to February 17, 2018. Our ticket store closes at 9:00 PM PST on February 6, 2018 so don't delay. Prices are subject to change without notice.



# OBJECTIVES

A full set of objectives for each session will be available online at [www.pediatric-anesthesiology-foundation.org](http://www.pediatric-anesthesiology-foundation.org)  
For space considerations a limited number are presented here.

At the end of each session the learner should be able to or have a better understanding of:

## Caleb's Law: Single provider sedation

1. Describe the increased safety risks with the operator-anesthesia model of sedation
2. Discuss the legislation allowing for single provider care
3. Describe the circumstances that led to the development of "Caleb's Law"

## Burns in the operating room

1. Describe the common mechanisms of burn injury
2. Articulate the morbidity associated with perioperative burn injuries
3. Plan an anesthetic to minimize the risks of burn injury

## Help! A Fontan on my list

1. Describe the physiology of Fontan circulation
2. Articulate preoperative considerations for patients with Fontan circulation
3. Describe intraoperative management principles for this patient population
4. Understand postoperative considerations for single ventricle patients

## Nitric Oxide: Pulmonary hypertension, ARDS, and CPR

1. Describe mechanisms and side effects of Nitric Oxide
2. Discuss management of pulmonary hypertension in the operating room
3. Describe clinical scenarios in which Nitric Oxide may be effective

## Clinical pearls from the ICU

1. Describe clinical scenarios seen in the critical care setting that relate to intraoperative anesthetic management
2. Discuss intraoperative management strategies for ventilation and hemodynamic parameters in critically ill children
3. Describe specific anesthetic considerations for the critically ill pediatric patient

## Can intubate, can't ventilate: Difficult ventilation in the child with severe bronchospasm

1. Describe disease states associated with bronchospasm
2. Discuss ventilation strategies for patients with severe bronchospasm
3. Articulate medications available to treat severe bronchospasm

## Ultrasound for arterial, central venous, and peripheral venous access

1. The utility of ultrasound in the perioperative environment
2. The advantages and disadvantages of ultrasound for vascular access
3. The techniques for using ultrasound for vascular access in the operating room

## Anesthesia for cleft lips and palates

1. Describe the preoperative consideration for patients with cleft lip and/or palate
2. Anticipate possible adverse events associated with cleft lip and palate surgery
3. Develop a safe anesthetic plan for patients with cleft lip and/or palate

## Pearls and pitfalls in the management of midface craniofacial dyscrasias: A surgeon's perspective

1. The indications and prep considerations for the surgical management of pediatric midface dyscrasias
2. The intraop surgical and airway considerations in the management of pediatric midface dyscrasias
3. Post-op surgical and airway considerations for patients undergoing midface dyscrasias reconstruction

## Mechanical ventilation in the OR: Pediatric versus adult

1. Identify the common misconceptions about intraoperative ventilation of the pediatric patient
2. Identify complications associated with various ventilation strategies
3. Describe strategies to reduce complications associated with intraoperative ventilation

## Anesthesia and the developing brain: Implications of the FDA Warning

1. Describe the new FDA warning on anesthetics for children
2. Discuss the implications of the FDA warning on the perioperative care of children under three
3. Discuss current literature on anesthetic related neurotoxicity and the developing brain
4. Describe future research directions and their possible implications on pediatric anesthesia

## Help! What to do with these cardiac patients for non-cardiac procedures

1. The pathophysiology of commonly seen cardiac diseases in children with "normal" hearts
2. The preoperative evaluation and perioperative management for this patient population
3. Anesthetic plans which may reduce the risk of complications during non-cardiac procedures

## Direct laryngoscopy: A skill rarely taught

1. Best techniques associated with successful direct laryngoscopy
2. The anatomy related to direct laryngoscopy
3. Changes in intubation practices related to advancing technology

## The risks associated with latex allergy and anaphylaxis

1. The patient population at risk for latex allergy
2. The risk associated with latex allergy
3. Treatment and prevention strategies for latex allergies and anaphylaxis

## Immersive technologies in pediatric perioperative medicine

1. Describe the role of immersive technologies (ex. virtual reality, augmented reality) in the perioperative environment
2. Discuss the implications of immersive technologies on perioperative anesthetic management
3. Discuss the effects of immersive technologies on patient and families perioperative experience

## Mindfulness in medicine

1. Describe the goals of mindfulness training
2. Discuss basic techniques for mindfulness
3. Discuss the important positive outcomes associated with mindfulness training

## Management of arrhythmias in the OR

1. Describe the difference between pediatric and adult ECGs
2. Discuss common pediatric arrhythmias and their significance
3. Describe how to treat intra-operative arrhythmias

## Anesthesia for craniostomies

1. The medical conditions associated with craniostomies
2. Potential complications of craniostomies surgery
3. Designing a safe anesthetic plan for pediatric patients undergoing calvarial vault remodeling

## The art of induction: Applications of medical humanities in perioperative medicine

1. Appreciate how medical humanities can help physicians take better care of their patients
2. Discuss considerations surrounding pediatric anesthesia induction
3. Describe best induction practices for pediatric patients

## Tylenol: Beyond the rose-colored glasses

1. Describe the current research on acetaminophen
2. Discuss best practices for perioperative use of acetaminophen
3. Discuss economic considerations surrounding acetaminophen use in pediatric patients

## Rigid and flexible bronchoscopy in the ICU

1. Describe the indications for bronchoscopy in the critical care setting
2. Discuss the techniques to improve safety of bronchoscopy in the ICU
3. Discuss disease states managed with bronchoscopy

## From paper to practical: Translating evidence based mentorship strategies into programs that accelerate professional growth

1. Describe benefits of medical mentorship to trainees and faculty
2. Discuss strategies for the development of effective mentorship programs
3. Discuss the implications of effective mentorship on professional growth

## Managing social media: The medical perspective

1. Describe the current literature surrounding social media as it relates to medicine
2. Discuss the implications of social media mismanagement
3. Discuss best practices for managing social media

# REGISTRATION

## REGISTRATION FORM

### 56<sup>TH</sup> CLINICAL CONFERENCE IN PEDIATRIC ANESTHESIOLOGY

Name \_\_\_\_\_

Practicing Hospital \_\_\_\_\_

Mailing Address \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

## REGISTRATION

The appropriate registration fee for full or partial attendance must accompany the application. In the event of cancellation, \$25.00 will be retained by the Foundation as an administrative fee. No refunds will be made after January 10, 2018.

## FEES

### EARLY REGISTRATION (Through January 9, 2018)

- Physicians, CRNAs \$450
- Fellows/Residents \$275
- Nurses, Anesthesia Techs \$275

### REGULAR REGISTRATION (After January 10, 2018)

- Physicians, CRNAs \$550
- Fellows/Residents \$325
- Nurses, Anesthesia Techs \$325

*\*\* 10% group discount rate for Resident/Trainees/SRNAs groups of more than 5 members from the same facility. Pre registration and group payment is required. Deadline: January 18, 2018.*

Hands on Ultrasound Workshop

All Participants \$50

## PAYMENTS

Payments are accepted by Credit Card or check.

On-line registration and payment available on our website at: [www.pediatric-anesthesiology-foundation.org](http://www.pediatric-anesthesiology-foundation.org)

Make Check Payable: **PEDIATRIC ANESTHESIOLOGY FOUNDATION**

**Tax ID# 23-7013816**

And Mail To:

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## INFORMATION

For more information please contact Rosie Zesati, MAM, Pediatric Anesthesia Program Manager by phone at (323) 361-5591, by fax at (323) 361-1001, or via e-mail at [rzesati@chla.usc.edu](mailto:rzesati@chla.usc.edu)