FUNDAMENTALS of DENTAL SEDATION
A SEDATION SYMPOSIUM

Friday, September 18, 2015
Casamagna Marriott Resort, Cancun, Mexico

Saturday, September 19, 2015
Pediatric Dental Sedation Simulation Workshops

PEDIATRIC SEDATION OUTSIDE OF THE OPERATING ROOM

Course Director
Keira P. Mason, MD

Director, Fundamentals of Sedation Symposium
Mark G. Roback, MD

Director, Sedation Simulation Workshops
James Fehr, MD

Approved PACE Program Provider
FAGD/MAGD Credit Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. 3/1/2014 - 2/29/2016. Provider ID# 346978

CE credit will be awarded for completion of this course:
- Friday Symposium (9/18/2015): 8.0 CE Lecture Hours
- Dental Simulation Workshop (9/19/2015): 5.25 CE Participation Hours

The Friday Symposium (9/18/2015) is designed to meet the California Business and Professions Code, Chapter 4, Article 2.85, Section 1647.13 requirement for “a minimum of 7 hours of approved courses of study related to oral conscious sedation of minor patients as a condition of certification renewal for an oral conscious sedation permit.” We are registered providers of continuing education by the Dental Board of California RP# 5079.

www.PediatricSedationConference.com
Target Audience
This activity is intended for dentists, physicians, nurses, dental hygienists, pharmacists, advanced practice nurses and health care administrators.

Featured Dental Faculty

**Eduardo Alcaino, DDS, BDS, MDSc, FRARACDS**
Past President, the International Association of Paediatric Dentistry
Specialist Clinical Associate
University of Sydney, Australia

**Luciane Costa, DDS**
Associate Professor
Faculty of Dentistry
Universidade Federal de Goiás, Brazil

**Dimitris Emmanouil, DDS, MS, PhD**
Past-President, International Association for Disability and Oral Health
Assistant Professor
Washington State University
Lecturer Dept of Pediatric Dentistry Dental School
University of Athens

**Ronald Kosinski, DMD**
Clinical Associate Professor
Director, Anesthesia and Pediatric Sedation
Department of Pediatric Dentistry
NYU College of Dentistry

**Cory M. Resnick, DMD, MD, FACS**
Department of Plastic and Oral Surgery
Boston Children’s Hospital

**Michael D. Webb, DDS, MEd**
Director, Pediatric Dentistry Residency Program
East Carolina University,
School of Dental Medicine

Educational Grants
Applications for educational grants are pending approval.
Course Description

Minimal/Moderate Dental Oral Conscious Sedation Review Course
Register Now: Keep Your Skills and Knowledge on the Cutting Edge

This one-day refresher course updates your knowledge of current developments in Pediatric Sedation Dentistry while also providing continuing education credits. This course is designed to provide a comprehensive review of topics related to the safe and effective delivery of minimal and moderate sedation by inhalation, enteral, and parenteral routes of administration. This course will feature recognized leaders and faculty in the field of dental sedation and will offer opportunities to gain hands-on experience learning airway techniques to rescue patients from deep sedation, including manikin practice with face masks and ambu bag along with the insertion of nasal and oral airways in a personalized setting with manikins and real equipment. This course offers both didactic lectures and panel discussions. Question and answer panels will provide participants with forums to ask questions and discuss specific issues with course faculty, discuss effective techniques for meaningful communication with patient and parent, and address unusually challenging and complex situations.

Learning Objectives

At the end of this course, participants will be able to:

FUNDAMENTALS of DENTAL SEDATION SYMPOSIUM:

- Review current rules and regulations regarding minimal, moderate and deep sedation.
- Evaluate the pharmacology and clinical application of commonly utilized sedatives and weigh the advantages, disadvantages, efficacy and adverse events associated with each option.
- Evaluate complex and challenging sedation scenarios and formulate a plan.
- Provide a comprehensive review of patient evaluation including airway assessment, relevant medical history and vital signs necessary to evaluate patients as appropriate sedation candidates.
- Apply the discharge criteria and available recovery guidelines for discharge home following sedation.
- Determine the role and application of capnography.
- Prepare for unanticipated emergency situations.

DENTAL SEDATION SIMULATION WORKSHOPS

- Explain the importance of human factors leading to and in the management of crisis and prepare for the management of rare events.
- Summarize the components of a simulation based learning encounter and determine how to incorporate simulation into the process of training sedation care providers.
- Establish and demonstrate appropriate components of an adequate primary assessment.
- Develop an algorithm for the recognition and management of various anatomical and pathological causes of airway obstruction.
- Create a differential diagnosis for the etiology of respiratory depression and understand the different management techniques.
- Demonstrate appropriate management of cardiovascular compromise.
- Demonstrate proficiency in directing a team during a crisis.

Course material includes a review of the science and clinical experience along with a comprehensive review of protocols. Key topics which will be covered include, but are not limited to:

- Physiology
- Recent cases of morbidity/mortality in pediatric oral sedation with special emphasis on strategies to minimize similar problems
- Recent research and literature pertaining to oral sedation in children
- Guidelines that apply to oral sedation of minor patients in California
- Patient selection and evaluation
- Discharge evaluation and guidelines
- Pharmacology
- Nitrous oxide analgesia
- Non pharmacologic techniques for anxiolysis
- Local anesthetic
- Patient monitoring
- Airway management
- Emergency preparedness
- Venipuncture and IV access
- Intravenous drug administration
- Clinical case scenarios
This full-day Introduction to Sedation Outside the OR symposium provides an overview of sedation and is directed toward a multidisciplinary audience that includes physicians, dentists, nurses and trainees. The morning session "sets the stage" for successful sedation and challenges the participants to consider their goals for sedation and how best to achieve them. Morning presentations address pediatric-specific anatomic and physiologic considerations, presedation assessment, appropriate monitoring and personnel as well as the Pediatric Airway Workshop; all of which are directed toward both medical and dental participants. The remainder of the session targets medical- or dental-specific groups to reflect particular interests and practice. Case scenarios will be presented with the intent to foster vigorous discussion of options for sedation and best practice models. The day will reach a conclusion as the medical and dental groups reconvene for interactive Simulated Medical and Dental Sedation Demonstrations. These interactive video simulations are designed to provide medical and dental participants the opportunity to directly observe the application of sedation outside the OR and raise questions regarding best practice. The simulations will emphasize the principles and skills presented during the symposium and allow participants the opportunity to reinforce their knowledge and understanding of the day's curriculum.

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>7:00 - 8:00 AM</td>
<td>Breakfast and Registration</td>
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<tr>
<td>8:00 - 8:30 AM</td>
<td>Welcome and Introduction</td>
<td>Keira Mason, MD and Mark Roback, MD</td>
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<tr>
<td>8:30 - 12:00 PM</td>
<td>SEDATION OUTSIDE THE OR: GETTING STARTED</td>
<td>Moderator: Mark Roback, MD</td>
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<tr>
<td>8:30 - 9:00 AM</td>
<td>Setting the Stage for Sedation Outside the OR</td>
<td>Mark Roback, MD</td>
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<tr>
<td>9:00 - 9:20 AM</td>
<td>Airway Anatomy and Management</td>
<td>Jennifer Dearden, MD</td>
</tr>
<tr>
<td>9:20 - 9:45 AM</td>
<td>Essentials of Pediatric Physiology and Anatomy</td>
<td>Tim Horeczko, MD</td>
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<tr>
<td>9:45 - 10:10 AM</td>
<td>Physiologic Monitoring</td>
<td>Tim Horeczko, MD</td>
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<tr>
<td>10:10 - 10:35 AM</td>
<td>Morning Break</td>
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<tr>
<td>10:35 - 11:05 AM</td>
<td>From Start to Finish: Presedation Assessment &amp; Post Sedation Readiness for Discharge</td>
<td>Keira Mason, MD</td>
</tr>
<tr>
<td>11:05 - 11:30 AM</td>
<td>Management of Challenging Patients</td>
<td>Dimitris Emmanouil, DDS, MS, PhD</td>
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<tr>
<td>11:30 - 12:00 PM</td>
<td>Beyond the Drugs: Techniques for Minimizing Depth of Sedation and Improving the Patient Experience</td>
<td>Piet Leroy, MD</td>
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<tr>
<td>12:00 – 1:00 PM</td>
<td>Lunch on your own OR Optional Lunch Breakout Panel</td>
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**Basic Airway Workshop:**
An opportunity to enhance your pediatric airway management skills, in a hands-on workshop
Jennifer Dearden, MD

**Target Controlled Infusion Workshop:** Working Lunch in Spanish
Pablo Sepulveda, MD
**SYMPOSIUM SCHEDULE**

**FRIDAY, SEPTEMBER 18, 2015**

**FULL-DAY SEDATION SYMPOSIUM**

**The Fundamentals of Sedation: Reviewing the Basics - Bridging the Specialties**

**Course Director:** Keira P. Mason, MD  
**Director, Fundamentals of Sedation Symposium:** Mark Roback, MD

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**CHOOSE EITHER SESSION TO ATTEND. INCLUDED IN THE SYMPOSIUM REGISTRATION FEE.**

<table>
<thead>
<tr>
<th><strong>MEDICAL TRACK</strong></th>
<th><strong>DENTAL TRACK</strong></th>
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<tbody>
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<td><strong>Moderator:</strong> Mark Roback, MD</td>
<td><strong>Moderator:</strong> Ronald Kosinski, DMD</td>
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</tbody>
</table>

1:00 - 1:30 PM  
**Pharmacology of Sedation: A Broad Review**  
Medical: Tim Horeczko, MD  
- A Pharmacologic Review of Commonly Used Medications

1:00 - 1:45 PM  
**Setting up a Safe, Efficient and Profitable Dental Office Clinic**  
Eduardo Alcaino, BDS(Hons), MDSc, FRACDS

1:30 - 2:00 PM  
**Pharmacology of Sedation: A Broad Review**  
Medical: Tim Horeczko, MD  
- Emergency Medications: Options and Routes of Delivery

1:45 - 2:30 PM  
**Moderate vs. Deep Sedation: Techniques, monitoring and assessment**  
Michael Webb, DDS

2:00 - 2:30 PM  
**Rescue: Managing Sedation Adverse Events**  
Medical: Mark Roback, MD  
- Risk factors and predictors  
- Management and approach  
- Special populations

Afternoon Break 2:30 - 2:45 PM

2:45 - 3:15 PM  
**Neurocognitive Effects of Sedation:**  
Medical: Anthony Absalom, MD  
- Identify potential risks  
- Examine the data  
- Discuss impact on practice

2:45 - 3:15 PM  
**Strategies of Sedation Delivery in the Office Based Setting**  
Eduardo Alcaino, BDS(Hons), MDSc FRACDS MRACDS (Paed)

3:15 - 3:50 PM  
**Morbidity and Mortality in Pediatric Dentistry Worldwide: Predictors, Risks and Outcomes**  
Ronald Kosinski, DMD

3:15 - 4:45 PM  
**Case Studies in Pediatric Sedation**  
Medical: Mark Roback, MD, Keira Mason, MD, Doug Carlson, MD  
- Cases presented from various sedation venues and audience queried about best practice strategies  
- Extensive Q&A time allotted

4:15 - 4:45 PM  
**Case Studies in Pediatric Dental Sedation**  
Dental: Ronald Kosinski, DMD, Eduardo Alcaino, BDS(Hons), MDSc FRACDS, Michael Webb, DDS, Cory Resnick, DMD, MD

4:45 - 5:45 PM  
**Simulated Sedation Interactive Videos (Medical and Dental)**  
Jonathon Chiles, MD, Kevin Barton, MD, Doug Carlson, MD, Ronald Kosinski, DMD, and Mark Roback, MD

* Program changes/substitutions may be made without notice.
**SATURDAY, SEPTEMBER 19, 2015**

**DENTAL SEDATION SIMULATION WORKSHOPS**

A unique opportunity to engage in four Dental Simulation Scenarios: Anesthesia, Pediatric and Dental Faculty with simulation expertise unite to offer hands-on crisis management workshops for the Pediatric Dentist. A small group setting with limited enrollment to maximize participation, engagement and learning.

Optional and limited enrollment. Pre-registration is required. Participants will spend one hour in each of the four scenarios.

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<td>6:30 - 7:30 AM</td>
<td>Registration and Breakfast</td>
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| 7:30 - 8:00 AM| **Introduction: Simulation in the 21st Century Integration into Sedation Training**  
James Fehr, MD |
| 8:00 - 9:00 AM| Scenario 1, Scenario 2                                               |
| 9:00 - 10:00 AM| Scenario 1, Scenario 2                                              |
| 10:00 - 10:30 AM| Break                                                              |
| 10:30 - 11:30 AM| Scenario 3, Scenario 4                                              |
| 11:30 - 12:30 PM| Scenario 3, Scenario 4                                              |
| 12:30 - 1:15 PM| **Closing Remarks and Debriefing/Interactive Feedback**             |

**Moderator and Leader of Simulation Workshops**

James Fehr, MD

**Scenario 1:** Dental Procedure Lidocaine Toxicity and Anaphylaxis  
Michael Webb, DDS*, Eduardo Alcaino, BDS(Hons), MDSc FRACDS MRACDS (Paed)

**Scenario 2:** Dental Procedure Aspiration  
Tim Martin, MD*, Ron Kosinski, DDS

**Scenario 3:** Dental Procedure Disruptive Parent, Distraction of Provider Leading to Cardiac Arrest from Unrecognized Apnea  
Luciane Costa, DDS and TBA

**Scenario 4:** Dental Procedure Over Sedation, Respiratory Depression  
Saif Siddiqui, MD*, Cory Resnick, DMD, MD

*Indicates Scenario/Workshop Leader

Children’s Hospital Boston is designated as an Approved PACE Program Provider by the Academy of General Dentistry. The formal continuing education programs of this program provider are accepted by AGD for Fellowship, Mastership and membership maintenance credit. Approval does not imply acceptance by a state or provincial board of dentistry or AGD endorsement. The current term of approval extends from 3/1/2012 to 2/28/2014. Provider ID# 346978

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Registration Information

Friday, September 18, 2015

Optional Day:
Fundamentals of Sedation: Reviewing the Basics $589 (USD)
Bridging the Specialties
Lunch on your own OR
Optional Lunch: Basic Airway Workshop $150 (USD)

Saturday, September 19, 2015

Pediatric Dental Sedation Simulation Workshops $679 (USD)

Inquiries
By phone 617-384-8600, Monday-Friday, 9 AM to 5 PM (EST) or by email at: hms-cme@hms.harvard.edu.

Online Information
To register or view activity information online, visit: www.PediatricSedationConference.com
To ensure proper registration, please add the first three characters of the source code found above your name on the mailing panel.

Disclosure Policy
Harvard Medical School (HMS) adheres to all ACCME Essential Areas, Standards, and Policies. It is HMS’s policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that HMS may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.

Course Tuition Refund Policy
Refunds, less an administrative fee of $100, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by postal mail, email, or fax. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.

Accommodation / Travel

There is a limited number of hotel rooms available at the CasaMagna Marriott Cancun Resort. Please reserve hotel space early.

A limited number of rooms have been reserved at the CasaMagna Marriott Cancun Resort located on Blvd. Kukulcan, Retorno Chac L-41, Cancún, Quintana Roo 77500, Mexico. (Telephone: (800-223-6398 Option #3 or 011-52-998-881-2000 Option #3) until September 2, 2015. Please specify that you are enrolled in this course to receive a reduced room rate of $132 USD/per night Two Doubles/King (Resort View, Balcony Guest room). Hotel arrangements can also be made online at: www.PediatricSedationConference.com

Please do not purchase non-refundable airline ticket(s) until you have received an email from our office confirming your paid registration. For airline reservations contact the HMS Travel Desk toll free 1-877-4-HARVMD (1-877-442-7863) Monday - Friday 9 AM - 8 PM (EST). From outside the U.S., Canada and Virgin Islands, please call: 617-559-3764

Accreditation

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 27.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pending ACEP Category I credit and Nursing CEU hours (Nursing Staff Development of Boston Children’s Hospital (PA93).

An application for Risk Management credit(s) in Massachusetts has been submitted and is currently pending. Risk management credit(s) will be determined based on the criteria outlined by the Massachusetts Board of Registration in Medicine. Please check with you individual state licensing board requirements before claiming risk management credit(s) for this program.
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