



16th Annual

Frontiers in Pediatrics

December 6–8, 2013

Francis Marion Hotel
Charleston, South Carolina

Presented by the
Medical University of South Carolina
Department of Pediatrics
Office of Continuing Medical Education

If you can't attend, please pass this along to a colleague or friend!

Course Description

The Division of General Pediatrics, MUSC - Department of Pediatrics, is pleased to present a three-day Continuing Medical Education Course designed to meet the needs of pediatric primary care practitioners, including Pediatricians, Family Physicians, and Nurse Practitioners. The course is organized to allow extensive discussion with presenters by limiting pure lecture presentations.

Learning Objectives: At the completion of this conference you should be able to achieve the objectives listed under each topic. The conference will be presented in lecture format with question and answer sessions. Small group workshops will be held on Saturday afternoon.

Credit Designation

The Medical University of South Carolina designates this live activity for a maximum of **14.25 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAFP: Application for Continuing Medical Education credits has been filed with the American Academy of Family Physicians. Determination of credits is pending.

Nurses: Most states accept CMEs that apply to a specific nursing specialty as nursing continuing education. Please check with your respective State Board of Nursing to ascertain the equivalent number of contact hours offered for **14.25 AMA PRA Category 1 Credits**[™].

PLEASE NOTE: You now receive your CME and CEU credits online! After the conference, you will be emailed instructions and a link to claim your credit online and print your credit certificate. On the registration form, please provide the email address that you actively use to ensure that you receive these important emails.

Online Syllabus – NEW!!

In our efforts to “go green”, we are offering a **reduced registration (\$30 off the registration fee)** if you choose to access the electronic conference syllabus online. Information will be emailed to you the week prior to the conference so that you may download a copy, and have access to the online version during and following the conference. By choosing this option, you can select the reduced conference registration fee marked on the online and paper registration. However, you will not receive a printed syllabus book. If you would like the printed syllabus, select the full registration fee.

Accreditation

The Medical University of South Carolina is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for Physicians.

Disclosure Statement

In accordance with the ACCME Essentials and Standards, anyone involved in planning or presenting this educational activity will be required to disclose any relevant financial relationships with commercial interest in the health-care industry. This information will be made available to participants at the beginning of the activity. Speakers who incorporate information about off-label or investigational use of drugs or devices will be asked to disclose that information at the beginning of their presentation.

Holiday Magic in Historic Charleston

34th Annual Parade of Boats on the Charleston Harbor

Saturday, December 7, 2013
Location: Charleston Harbor

Thousands of spectators view the parade along the route from Mt. Pleasant to Charleston each year. The mid-point of the parade features a spectacular fireworks display shot from the harbor.

The parade begins at approximately 5:00PM near the Mt. Pleasant side and ends in the Ashley River, (after processing down the Charleston side of the Cooper River), at approximately 7:30PM.



Holiday Festival of Lights

November 8, 2013 – December 31, 2013
Location: James Island County Park

The journey begins with a magical drive along 3 miles of forest paths aglow with light sculptured art. With over 600 displays located throughout the park, the Holiday Festival of Lights is a magical sight to see!

As you drive, surprises spring from behind every bend...a shrimp boat afloat on the horizon...a towering oak reaching skyward with boughs illuminated against the night sky.

Local history looms larger than life with a Charleston Row House and Old Man Winter showers oaks with his icy breath.

Travel down memory lane, where storybook sea creatures and glittering dinosaurs rise up out of the dark... and mittened children hurl electric snowballs.

You'll soon find a myriad of themes as you wind your way through the park.



Sixteenth Annual

Frontiers in Pediatrics

Conference Director

James R. Roberts, MD, MPH, FAAP

Professor
Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina

Conference Co-Directors

William T. Basco, Jr., MD, MS, FAAP

Professor
Director, Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina

J. Routt Reigart, MD, FAAP

Professor Emeritus
Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina

Visiting Faculty

Debra L. Bogen, MD

Associate Professor of Pediatrics, Psychiatry
and Clinical & Translational Sciences
University of Pittsburgh School of Medicine
Division of General Academic Pediatrics,
Childrens Hospital of Pittsburgh
Pittsburgh, PA

Kristin Rager, MD, MPH

Associate Professor of Pediatrics
Division of Adolescent & Young Adult Health
Vanderbilt University School of Medicine
Nashville, TN

S. Andrew “Andy” Spooner, MD, MS

Associate Professor
Cincinnati Children’s Hospital Medical Center
Department of Pediatrics
University of Cincinnati College of Medicine
Cincinnati, OH

Gary S. Marshall, MD

Professor of Pediatrics
Chief, Division of Pediatric Infectious Diseases
Director, Pediatric Clinical Trials Unit
University of Louisville School of Medicine
Louisville, KY

Thad Schmenk, MEd

Local Educator
Charleston, SC

Medical University of South Carolina Faculty

Christine Andrews, MSW

Department of Pediatrics
Division of Pediatric Cardiology

C. Michael Bowman, MD, PhD

Professor
Director, Division of Pediatric Pulmonology
Director, MUSC Children’s Asthma Program

Janet Carter, MS, RD

Department of Dietetic Services

Angela Dempsey, MD

Assistant Professor
Department of Obstetrics and Gynecology

Joseph Dobson, MD

Associate Professor
Department of Pediatrics
Division of Pediatric Emergency Medicine
Assistant Director, MUSC Simulation Center

Melissa Howard Henshaw, MD, MSCR, DHA

Medical Director, Heart Health, Pediatric Cardiology
Clinical Director, The Boeing Center for Children’s Wellness
MUSC Children’s Hospital

Molly Jones, RD

Department of Pediatrics
Division of Pediatric Cardiology

Janice Key, MD

Professor
Department of Pediatrics
Director of School & Community-Based Programs, The Boeing Center
for Children’s Wellness
Director, Division of Adolescent Medicine

James F. Mooney, III, MD

Professor, Department of Orthopaedic Surgery
Chief of Pediatric Orthopaedic Surgery

Jennifer K. Poon, MD

Assistant Professor
Department of Pediatrics
Division of Developmental-Behavioral Pediatrics

Amanda Price, MD

Fellow
Department of Pediatrics
Division of Pediatric Emergency Medicine

Christian J. Streck, Jr., MD

Associate Professor
Department of Surgery and Pediatrics

Michael A. Taylor, MD

Clinical Professor
Department of Pediatrics
Division Director, CAP (Child Abuse Pediatrics)

C. Wayne Weart, PharmD, BCPS, FASHP, FAPhA

Professor of Clinical Pharmacy and Outcome Sciences
Professor of Family Medicine
South Carolina College of Pharmacy, MUSC Campus

Tiffany Williams, DNP, PNP

Instructor
College of Nursing

Sinai Zyblewski, MD, MSCR

Assistant Professor
Department of Pediatrics
Division of Pediatric Cardiology



Sixteenth Annual **Frontiers in Pediatrics**

Course Schedule

At the end of each presentation, learners should be better able to fulfill the respective objectives stated.

Friday, December 6

- 7:15 **Registration and Breakfast**
- 8:10 **Welcome**, James R. Roberts, MD, MPH
- 8:15 **Orthopaedic Aspects of Child Abuse: A Review**, James F. Mooney, III, MD
Define the fracture patterns most commonly associated with child abuse; Identify the mechanism of metaphyseal corner fractures; Recognize the demographics of long bone fractures as they relate to non-accidental injury situations.
- 9:00 **Cysts, Torsion and Teratomas: Evaluation and Management of Ovarian Masses in Children**, Christian J. Streck, Jr., MD
Recognize the differential diagnosis of pediatric ovarian masses; Recall the etiology and management of ovarian cysts and ovarian torsion in children; Recognize the variants and management of solid ovarian tumors in children.
- 9:45 **Break**
- 10:15 **Depression**, Kristin Rager, MD
Discuss presentation of depression in children and adolescents; Review diagnostic criteria for depression; Provide overview of treatment options, including medications.
- 11:00 **The Medical Evaluation of Sexual Abuse in Children**, Michael Taylor, MD
Define the medical and legal descriptive terminology of sexual abuse; Compare the reported and estimated overall frequency of sexual abuse; Describe the current recommendations for medical evaluation of sexual abuse; Identify the frequency and significance of sexually transmitted infections (STI's) in sexually abused children; Recognize the importance of the medical exam to the overall investigative process.
- 11:45 **Lunch on your own**
- 1:15 **Pediatric New Drug Update 2012-2013**, C. Wayne Weart, PharmD
Discuss the FDA Warnings & label changes that relate to medication safety and how this information should be applied in the selection and monitoring of evidence-based pharmacotherapy to achieve better patient related outcomes; Describe the current information concerning newly FDA approved medications in the selection of evidence-based pharmacotherapy; Compare and contrast these selected newer agents to the existing therapies and be able to recommend an appropriate medication for a specific patient.
- 2:30 **Break**
- 2:45 **Sexually Transmitted Infection Update**, Kristin Rager, MD
Provide overview of sexually transmitted infections; Discuss recommendations for STI testing in adolescents; Review STI treatment guidelines.

- 3:30 **Growing Up Protected: Updates for Adolescent Contraception**, Angela Dempsey, MD
Discuss the latest trends in teen pregnancy in SC and the US; Counsel adolescents and parents on long acting methods; Use the US Medical Eligibility Criteria tool to quickly assess safety of various methods.
- 4:15 **Q & A with Dr. Rager and Dr. Dempsey**
- 4:45 **Adjourn**

Saturday, December 7

- 7:15 **Registration and Breakfast**
- 8:25 **Welcome**, William T. Basco, Jr., MD, MS
- 8:30 **Roots of Vaccine Hesitancy**, Gary Marshall, MD
Explain the tendency for people to accept anecdotal experiences as indicative of causal relationships; Develop strategies to counteract thought patterns that lead to vaccine hesitancy; Maintain high immunization rates despite pervasive anti-vaccinationism.
- 9:15 **Electronic Health Records and the Pediatrician**, Andy Spooner, MD
Describe 3 EMR functions that are essential to electronic health record usability in pediatric environments; List at least two practice policy approaches to adolescent confidentiality within the electronic/personal health record environment; Explain best practices for achieving compliance with CMD Evaluation and Management coding rules within an EHR
- 10:00 **Break**
- 10:30 **Breastfeeding and Medications: Making Informed and Rational Recommendations**, Debra Bogen, MD
Recognize the challenges women face when breastfeeding and having to decide whether or not to take a medication; Describe processes by which medications enter human milk; Understand three commonly used methods to estimate infant exposure to medications via breastmilk; Use appropriate resources/reference materials to aid in clinical decision making regarding risks and benefits of medication use and breastfeeding.
- 11:15 **Medical Emergencies for the Pediatric Primary Care Provider - Is Your Office Ready?** Amanda Price, MD and Joseph Dobson, MD
Recognize and prepare for the most common presenting pediatric emergencies; Perform an office readiness self-assessment for an emergency situation and design a structured plan for emergency response in the office; List the American Academy of Pediatrics recommended emergency equipment and medications that should be present and available in all primary care offices; Practice office based simulated scenarios of common presenting pediatric emergencies to maintain preparedness.
- 12:00 **Lunch on your own**
- 2:00- 4:15 **Optional workshops**
- 4:15 **Adjourn**

[See following page for
Saturday Afternoon Workshops!](#)



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Course Schedule

At the end of each presentation, learners should be better able to fulfill the respective objectives stated.

Sunday, December 8

7:30	Registration and Breakfast	9:30	Social Media and the Pediatrician, Andy Spooner, MD <i>List three social media sites commonly used by your patients and their parents; Describe a practice policy for how to use a Facebook account for your practice; List questions you would use to screen for social media related pathology to your patients.</i>
7:50	Welcome, J. Routt Reigart, MD, FAAP		
8:00	Neonatal Abstinence Syndrome: 2013 Update, Debra Bogen, MD <i>Describe the changing face of drug use in the US and its impact on pregnancy outcomes; Review the signs and clinical course, Explain the risk factors and evaluate treatment strategies for neonatal abstinence syndrome.</i>	10:15	Hot Topics in Immunization, Gary Marshall, MD <i>Discuss important new data regarding routine childhood immunizations; Understand the rationale for new ACIP recommendations</i>
8:45	Surviving and Thriving: Long-Term Neurodevelopment Issues in Children with Complex Congenital Heart Disease, Sinai Zybelski, MD, MSCR and Jennifer Poon, MD <i>Identify the risk factors for growth problems and neurodevelopment delays in pediatric cardiac patients; Identify the most common neurodevelopment problems found in pediatric cardiac patients; Implement neurodevelopment screening guidelines into their daily clinical practice; Identify resources for follow-up neurodevelopment evaluation and management.</i>	11:00	Adjourn

Saturday Afternoon Workshops

Workshop 1: Responding to Misuses of Consumer Products by Adolescents, Thad Schmenk, MEd.

Description: This workshop is a follow-up to a presentation offered at the 15th Annual Frontiers in Pediatrics Conference (last year) regarding "Common Misuses of commercial products by teens." In this "part 2" workshop, the presenter will provide a brief recap of the previous presentation and will then address questions and requests raised during "part 1" regarding "what do I do when I find out that a teen is misusing common commercial products". A variety of resources and possible responses will be presented as well as the merits and pitfalls of the respective resources and responses.

Session 1: 2:00 – 3:00pm Session 2: 3:15 – 4:15pm

Learning Objectives: *Select/Determine appropriate responses to various misuses of consumer products by adolescents; Locate resources (treatments, services and products) that address common misuses of consumer products by adolescents.*

Workshop 2: Lung Assessment in the Office – Spirometry, Peak Flows and All Those Medication Devices, C. Michael Bowman, MD

Description: This workshop will focus on assessing lung function and ensuring that asthma medications are delivered correctly. We will discuss the benefits of performing spirometry in the office and discuss how to interpret the results, as well as identifying the need to repeatedly coach families about correct inhalational device usage.

Session 1: 2:00 – 3:00pm Session 2: 3:15 – 4:15pm (Limit 30 People Per Session)

Learning Objectives: *Identify effective approaches to assessment of lung status in children in the primary care office; Discuss the value and necessary personnel/equipment for performing spirometry in the primary care office; Discuss appropriate inhalational devices for use with children with asthma of different ages and levels of cooperation*

Workshop 3: Pediatric Emergency Simulation Lab, Amanda Price, MD & Joseph Dobson, MD

Description: Active Case Based learning modules using advanced simulation equipment give participants hands-on team building training in resuscitation and procedural skills.

Session 1: 2:00 – 3:00pm Session 2: 3:15 – 4:15pm

Learning Objectives: *Apply procedural skills related to resuscitation of pediatric emergencies; Use effective team-oriented communication skills.*

***Workshop 4: Childhood Obesity: Prevention, Assessment and Treatment Janet Carter, MS, RD; Molly Jones, RD; Christine Andrews, MSW; Tiffany Williams, DNP, PNP; Melissa Howard Henshaw, MD; and Janice Key, MD**

Description: This workshop will provide an overview of prevention, assessment, and treatment guidelines in childhood obesity, with skill sessions led by the staff of the Boeing Center for Children's Wellness at MUSC.

Session 1: 2:00 – 4:00pm ***Please Note:** *This is a 2 hour session. You will not be able to attend other workshops.*

Learning Objectives: *Enhance knowledge and skills regarding the prevention, assessment and treatment of childhood obesity.*

Registration Fees

Register by **October 15, 2013** for the Early Bird Rate!



	Early Bird (on or before 10/15)	Full Rate (after 10/15)	On-Site (12/6 & 12/7)
Physician in Practice (with Printed Syllabus)	\$475	\$525	\$575
Physician in Practice (with Online Syllabus)	\$445	\$495	\$545
Resident, NP, RN, PA, Other (with Printed Syllabus)	\$400	\$450	\$500
Resident, NP, RN, PA, Other (with Online Syllabus)	\$370	\$420	\$470

The fee includes continental breakfasts, coffee breaks, access to online course syllabus and/or printed course syllabus and credit processing. Note: Those who opt for an online syllabus only will save \$30.00!

Please make your check payable to Medical University of South Carolina and mail with the registration form included in this brochure to: **Elizabeth Gossen**, MUSC Office of CME, 19 Hagood Avenue, Suite 1004, MSC 754, Charleston, SC 29425

No pre-registrations will be accepted after December 1, 2013. After December 1, you must call the MUSC Office of CME at 843-876-1925 to see if space is still available. If space is still available you must register on-site, at an increased registration rate.

Cancellations

A refund will be made upon written request prior to November 6, 2013; however, \$75 will be retained for administrative costs. No refunds will be made after November 6, 2013. We reserve the right to cancel the program if necessary. Full registration fees will be refunded for cancelled programs. The Medical University of South Carolina cannot be responsible for reimbursement of airline or other transportation fares, hotel or rental car charges, including penalties. **By registering for this conference, you acknowledge and agree to this cancellation policy.**

Hotel Information

The Francis Marion Hotel, historic Charleston's landmark full service hotel, is in the heart of Charleston's historic district. Located at the newly restored Marion Square, the Francis Marion Hotel is only a few blocks from the Charleston Visitor Center, South Carolina Aquarium, restaurants, boutiques, galleries, museums, antique shops and night life. The hotel offers valet parking, spa, concierge, retail shops and the Swamp Fox Restaurant & Bar.

Special group rates start at **\$152.00**, plus tax, per night. A limited number of guest rooms have been reserved and are being offered on a first come, first serve basis. The room block will be held until **Wednesday, November 6, 2013**; however the room block may be filled prior to this date. In such a case, neither the group rate nor guest room availability can be guaranteed. Therefore, we recommend you make your reservation as soon as possible. Reservations can be made by calling the hotel directly at 843-722-0600 or 877-756-2121 and identifying yourself as being a participant in this meeting, or by following the online directions below.

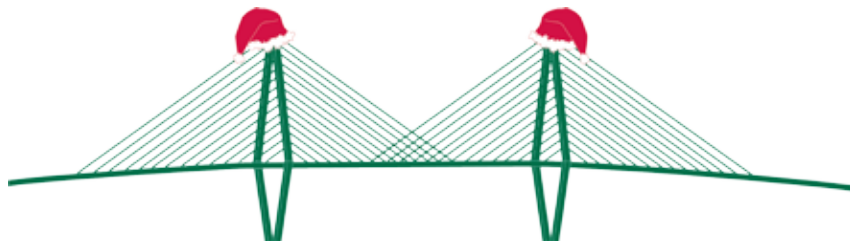
Directions for online reservations:

- Visit www.francismarioncharleston.com
- Click "Check Availability"
- On top of the page, click the "Groups" link
- Enter Attendee Code "*Pediatrics*" and click "Sign In"
- Select arrival and departure dates and the number of adults.
- Click on the room type.
- Click on "Continue This Reservation" located on the bottom right of the screen.
- Enter personal reservation information on the next screen.
- Check "I have read and agree to the Terms and Conditions and Privacy Policy"
- Click "Complete"

Parking: Valet parking at the hotel is available at \$19.00 plus tax, per day and can be added to your guest folio. In addition, self parking is available at \$14.00 per day (cash). Rates are subject to change.

Americans with Disabilities Act

It is the policy of the Medical University of South Carolina not to discriminate against any person on the basis of disabilities. If you feel you need services or the auxiliary aids mentioned in this act in order to fully participate in this continuing medical education activity, please call the Office of CME at (843) 876-1925 or attach a note to your registration.



Registration Form

16th Annual Frontiers in Pediatrics

December 6–8, 2013 – Francis Marion Hotel • Historic Charleston, SC

By completing this registration form, you agree to the cancellation policy outlined in the brochure.

Last Name (*please print clearly*)

First Name

Middle Initial

☐ MD ☐ DO ☐ NP ☐ PA ☐ Other (specify) _____

Email (*Please provide your active email address to ensure proper receipt of all CME credit documentation*)

Address

City

State

Zip

Office Telephone

Office Fax

ID Number (*last four digits of your SSN*)

☐ I do NOT want my name included on the list of participants that will be handed out at the conference.

What is your primary medical specialty? (*Check ONE*)

☐ Pediatrics ☐ Family Medicine ☐ Other (*specify*) _____

Saturday Afternoon Workshops (No additional charge)

Please note your first or second choices for each session

Session 1: 2:00 – 3:00 pm

____ Responding to Misuses of Consumer Products by Adolescents

____ Lung Assessment in the Office – Spirometry, Peak Flows and All Those Medication Devices

____ Pediatric Emergency Simulation Lab

Session 2: 3:15 – 4:15 pm

____ Responding to Misuses of Consumer Products by Adolescents

____ Lung Assessment in the Office – Spirometry, Peak Flows and All Those Medication Devices

____ Pediatric Emergency Simulation Lab

OR, Full Session Workshop: 2:00 - 4:00 pm

____ Childhood Obesity: Prevention, Assessment and Treatment

Please check your tuition category:

Early Bird
(on or before 10/15)

Full Rate
(after 10/15)

On-Site
(12/6 & 12/7)

☐ **Physician in Practice** (with **Printed** Syllabus)

☐ \$475

☐ \$525

☐ \$575

☐ **Physician in Practice** (with **Online** Syllabus only)

☐ \$445

☐ \$495

☐ \$545

☐ **Resident, NP, RN, PA, Other** (with **Printed** Syllabus)

☐ \$400

☐ \$450

☐ \$500

☐ **Resident, NP, RN, PA, Other** (with **Online** Syllabus)

☐ \$370

☐ \$420

☐ \$470

Payment must accompany registration.

☐ Check Payable to **MUSC- Office of CME**

☐ MasterCard

☐ Visa

☐ American Express

Cardholder's Name

Card Number

Expiration Date

Please use ONE of these methods to register (do not mail if previously faxed or telephoned):

• **Mail** registration form with check or credit card information to Elizabeth Gossen, MUSC, 19 Hagood Avenue, Suite 1004, MSC 754, Charleston, SC, 29425

• **Telephone:** (843) 876-1925 – Registration by credit card only

• **Fax:** (843) 876-1931 – Registration by credit card only

• **Online:** Please visit www.musc.edu/cme and select "CME Conferences" from the left-hand menu. Once there, scroll down until you see this course, and select the blue "Register" button.