

Celebrating 20 Years



Frontiers in Pediatrics

December 1–3, 2017

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 **15.0 AMA PRA Category 1 Credit(s)TM**. 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 **15.0 AMA PRA Category 1 Credit(s)TM**.

PLEASE NOTE: You now receive your CME, CNE 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.

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, presenting, or moderating this educational activity will be required to disclose any relevant financial relationships with commercial interest in the healthcare 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.

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.

Online Syllabus

In our efforts to “go green”, we are offering a **reduced registration (\$35 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.





Twentieth Annual

Frontiers in Pediatrics

Conference Director

James R. Roberts, MD, MPH
Professor
Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina

Conference Co-Directors

William T. Basco, Jr., MD, MS
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Visiting Faculty

David M. Fleischer, MD
Associate Section Head, Allergy & Immunology
Associate Professor of Pediatrics
Children's Hospital Colorado
University of Colorado Denver School of Medicine

Paul Offit, MD
Professor
Director, Vaccine Education Center
Division of Infectious Diseases
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Maurice R. Hilleman Professor of Vaccinology
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Co-Director, Colorectal and Pelvic Malformation Center
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Instructor of Pediatrics
Harvard Medical School

Reid Thompson, MD
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Department of Pediatrics
The Helen B. Taussig Heart Center
Bloomberg Children's Center

Medical University of South Carolina Faculty

Ricardo Arbizu, MD
Assistant Professor
Division of Pediatric Gastroenterology
Department of Pediatrics

Lauren Becton, MD
Assistant Professor
Division of Pediatric Nephrology
Department of Pediatrics

Ryan Byrne, MD
Assistant Professor
Department of Psychiatry and
Behavioral Sciences

Terry Dixon, MD, PhD
Assistant Professor
Division of Infectious Diseases
Department of Pediatrics

Josef Eichinger, MD
Associate Professor
Department of Orthopaedics

**Tracy W. Halasz, MSN, APRN,
CPNP, PMHS**
Foster Care Support Clinic

Thomas K. Koch, MD
Professor
Division Chief, Pediatric Neurology
Department of Pediatrics

James T. McElligott, MD, MSCR
Associate Professor
Department of Pediatrics
Medical Director for Telehealth

J. Antonio Quiros, MD
Associate Professor
Division Chief, Pediatric Gastroenterology
Department of Pediatrics

C. Maria Riva, MD
Clinical Professor
Division of Pediatric Pulmonary
Department Pediatrics

Amanda Roten, MD
Assistant Professor
Department of Psychiatry and
Behavioral Sciences

Natasha Ruth, MD
Associate Professor
Division Chief, Pediatric Rheumatology
Program Director, Pediatric Rheumatology
Fellowship
Department of Pediatrics

Elizabeth M. Wallis, MD, MSHP
Assistant Professor
Division of General Pediatrics
Department of Pediatrics

**C. Wayne Weart, PharmD, BCPS, FASHP,
FAPhA**
Professor Emeritus Department of Clinical
Pharmacy and Outcome Sciences
Professor of Family Medicine
SC College of Pharmacy - MUSC Campus

Lara Wine Lee, MD, PhD
Assistant Professor of Pediatrics and
Dermatology
Director of Pediatric Dermatology

Kelli Williams, MD, MPH
Clinical Assistant Professor
Allergy & Immunology
Department of Pediatrics



Twentieth 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 1

7:15 **Registration and Breakfast**

8:10 **Welcome**

8:15 **Pediatric Asthma: A Review of the NHLBI Guidelines and Applying Them to Your Clinical Practice**, Kelli Williams, MD, MPH
Discuss the broad differential diagnosis of airway obstruction and methods for establishing an asthma diagnosis; Review the NHLBI guidelines and recommendations for long term asthma management; Apply the NHLBI guidelines and recent literature to appropriately select medications and delivery devices to optimize a patient's asthma control; Identify how environmental control factors and comorbid conditions can impact asthma control.

9:00 **Let's Talk about STIs, Baby!** Tracy Halasz, CPNP
Identify common sexually transmitted infections among adolescents and young adults in order to adequately screen and treat in a primary care setting; Communicate effectively with adolescents about sensitive topics related to screening, counseling, and treating sexually transmitted infections; Recognize changes in the prevalence of some sexually transmitted infections and updated treatment guidelines.

9:45 **Break**

10:15 **ADHD Management in the Setting of Psychiatric Co-Morbidities or Treatment Resistance**, Amanda Roten, MD
Name diagnostic criteria for ADHD and list treatment options; Manage ADHD more comfortably when there are psychiatric co-morbidities; Formulate ideas for targeting treatment resistance in patient with ADHD.

11:00 **Assessment and Management of Traumatic Stress in Children**, Elizabeth Wallis, MD, MSHP
Identify trauma symptoms and assess children potentially impacted by trauma in primary care settings; Identify trauma symptoms in children with co-occurring mental health diagnoses; Recognize what evidence based trauma treatments exist, & the basic foundation of those treatments.

11:45 **Lunch on your own**

1:15 **Pediatric New Drug Update 2017**, C. Wayne Weart, PharmD
Discuss the FDA Warnings and 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 (pharmacology, pharmacokinetics, efficacy and safety data, drug interactions, dosing, monitoring and cost) 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 regimen for a specific patient.

2:15 **Thinking Outside the Box: Antidepressants and Suicidal Behavior in Youths**, Ryan Byrne, MD
Describe the evidence base leading the FDA to issue a Black Box Warning for antidepressants regarding suicidal thinking and behavior in youths; Monitor the risk of suicidal thinking and behavior in youths in treatment with antidepressants through screening; Mitigate the risk of suicidal thinking and behavior in youths in treatment with antidepressants through appropriate follow-up and referral.

3:00 **Break**

3:15 **Headaches: Office Approach and Treatment Options**, Thomas Koch, MD
Identify migraine as the primary cause of headaches in children and adolescents; Comfortably discuss and initiate an initial treatment plan for migraine; Comfortably discuss both conventional and alternative measures for headache treatment.

4:00 **Vaccine Safety Issues: The Real Ones**, Paul Offit, MD
Discuss real safety issues, such as allergic reactions, paralysis caused by OPV and others; Describe one autoimmune disease that has clearly been caused by a vaccine; Describe two vaccine disasters that occurred early and mid-20th century.

4:45 **Adjourn**





Twentieth Annual **Frontiers in Pediatrics**

Course Schedule Continued

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

Saturday, December 2

7:30 **Registration and Breakfast**

7:55 **Welcome**

8:00 **Answering Parent's Questions About Vaccines**, Paul Offit, MD
Discuss answers to questions parents have about vaccines.

8:45 **Food Allergy Prevention: Where Are We and Where Do We Need to Go?** David M. Fleischer, MD
Advise parents on the current approach to complementary food introduction in infants at high risk of allergy by reviewing the LEAP Study and other randomized, controlled trials on early allergenic food introduction and the new early peanut introduction guidelines.

9:30 **Break**

10:00 **Biologic Therapy in Rheumatic Disease**, Natasha Ruth, MD
Discuss the role of biologic therapy in pediatrics; Identify and classify commonly used biologic therapy in pediatric rheumatologist diseases; Manage a patient on a biologic therapy in a general pediatric setting.

10:45 **Pediatric Hypertension in the Primary Care Setting**, Lauren Becton, MD
Recognize abnormal blood pressure measurements in pediatric patients of various ages; Diagnose pediatric hypertension; Distinguish hypertension from other causes of elevated blood pressure; Formulate a general differential diagnosis for the causes of hypertension in children and adults; Express comfort in diagnosing and beginning management for hypertensive urgency/emergency; Describe the general management of pediatric hypertension, including work-up for secondary etiologies and treatment choices that are usually done by pediatric nephrologists.

11:30 **Screening for Heart Disease in Children**, Reid Thompson, MD
Recognize symptoms and signs of congenital and acquired heart disease in children; Review examples where current screening may miss important disease; Anticipate potential improvements to screening practices in development.

12:15 **Lunch on your Own**

1:45 **Optional Workshops** - More information in green box below.

4:00 pm **Adjourn**

Sunday, December 3

7:30 **Registration and Breakfast**

7:55 **Welcome**

8:00 **Avoidance and Treatment of Overuse Injuries in Pediatric Athletes**, Josef Eichinger, MD
Review Treatment of Common Overuse Syndromes; Increase Family Awareness of Overuse Injuries in Sports; Identify kids at Risk for Overuse Injuries; Recognize Safe Training Methods.

8:45 **Potpourri of Pediatric Sleep Medicine**, C. Maria Riva, MD
Recognize frequent sleep problems in the pediatric population; Describe how to screening for sleep disorders in the general practitioner's office; Identify a sleep study and how to prepare for one.

9:30 **Pediatric Antimicrobial Stewardship**, Terry Dixon, MD, PhD
Ensure compliance with current regulatory requirements for antimicrobial stewardship; Convey the importance of antimicrobial stewardship to the leadership of their health care organization; Establish the underpinnings of local antimicrobial stewardship efforts at their respective hospitals or clinics.

10:15 **Peanut Allergy: Risk of Allergic Reactions and Risk Reduction Strategies**, David M. Fleischer, MD
Advise peanut-allergic patients and their parents about the true risk of allergic reactions due to accidental environmental exposures to peanut, such as at child care/school, restaurants, and sporting events and on airplanes; Identify the latest information on peanut allergy immunotherapies that may be FDA-approved in 2018 in order to be able to effectively counsel peanut-allergic patients and their parents about the risks and benefits of such treatments.

11:00 **Adjourn until 2018**

Please see following page for Saturday Afternoon Workshop options!



Twentieth Annual **Frontiers in Pediatrics**

Saturday Afternoon Workshops

1-HOUR WORKSHOPS - Choose Two. Session 1: 1:45-2:45 pm; Session 2: 3:00-4:00 pm.

Workshop 1: Cardiac Evaluation: Skills Workshop, Reid Thompson, MD **LIMIT 25 PEOPLE**

Description: During this workshop, participants will use infrared stethophones to listen to actual heart sounds and murmurs from pediatric patients with normal and abnormal hearts in a workshop format. Emphasis will be on common innocent murmurs and pathologic lesions that present outside of the neonatal period.

Learning Objectives: *Distinguish between innocent and pathologic heart murmurs; Know the presenting features & auscultatory findings of common heart defects in children; Recognize common abnormal EKG findings.*

Workshop 2: Rashes You Don't Want to Miss! Lara Wine Lee, MD, PhD

Description: During this workshop, participants will correctly identify common rashes and develop rational treatment plans.

Learning Objectives: *Enhance dermatology physical exam skills to formulate differential diagnosis; Recognize common to rare dermatology issues in children, with an emphasis on important systemic associations; Formulate initial evaluation and treatment plans of childhood dermatologic disease, such as vitiligo, alopecia and more.*

Workshop 3: Telehealth in Primary Care Pediatrics, James T. McElligott, MD, MSCR

Description: During this workshop the attendees will discuss the implications of the development of telehealth on pediatric practice and explore existing telehealth modalities. The format will consist of introductory didactics, small group discussion and hands-on experience with telehealth technologies.

Learning Objectives: *Articulate the state of development of telehealth in the state; Recognize the most common forms of telehealth; Discuss the applications of telehealth as they apply to primary care pediatricians.*

2-HOUR WORKSHOP - One Session Only: 1:45-3:45 pm. You may not attend any other workshops.

Workshop 4: The Vomiting Child, J. Antonio Quiros, MD; Leonel Rodriguez, MD, MS; Ricardo Arbizu, MD

Description: During this workshop, participants will focus on the evaluation and management of children of all ages with gastroesophageal reflux. We will cover the roles of endoscopy and motility in the evaluation, differential diagnosis and treatment options (risks and benefits).

Learning Objectives: *Enumerate 3 radiology tests to evaluate a vomiting child; List the 5 most common differential diagnoses in pediatric Gastroesophageal Reflux; Describe the role for intestinal motility in evaluating the child with Gastroesophageal Reflux; Enumerate 3 risk factors associated with acid suppression treatment in children.*



Holiday Magic in Historic Charleston

Holiday Festival of Lights

November 10, 2017 – January 1, 2018

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.



Twentieth Annual

Frontiers in Pediatrics

Registration Fees

Register by **September 30, 2017** for the *Early Bird Rate!*

Limited Availability!

	Early Bird <i>(on or before 9/30)</i>	Full Rate <i>(after 9/30)</i>	On-Site* <i>(12/1 & 12/2)</i>
Physician in Practice (with Printed Syllabus)	\$505	\$555	N/A
Physician in Practice (with Online Syllabus)	\$470	\$520	\$570
Resident, NP, RN, PA, Other (with Printed Syllabus)	\$430	\$480	N/A
Resident, NP, RN, PA, Other (with Online Syllabus)	\$395	\$445	\$495

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 \$35.00!

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

Pre-registrations will be accepted until November 22, 2017 or until conference capacity is reached. After November 22, 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 1, 2017; however, \$75 will be retained for administrative costs. No refunds will be made after November 1, 2017. 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 **\$170.00**, 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 1, 2017**; 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.

To make online reservations:

- Visit <http://tinyurl.com/FrontiersHotel17>
- Online Booking Code: Frontiers17

Parking: Valet parking at the hotel is available at \$22.00 plus tax, per day and can be added to your guest folio. In addition, self-parking is available at \$17.00 per day (cash). Rates are subject to change without notice.



Registration Form

20th Annual Frontiers in Pediatrics

December 1–3, 2017 – Francis Marion Hotel • Historic Charleston, SC

By completing this 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)*

Choose One workshop for Session 1, and one for Session 2, OR Choose the 2-Hour Workshop ONLY.

Session 1: 1:45-2:45

- ☐ Workshop 1: Cardiac Evaluation: Skills Workshop *(Limit 25 people)*
☐ Workshop 2: Rashes You Don't Want to Miss!
☐ Workshop 3: Telehealth in Primary Care Pediatrics

Session 2: 3:00-4:00 pm

- ☐ Workshop 1: Cardiac Evaluation: Skills Workshop *(Limit 25 people)*
☐ Workshop 2: Rashes You Don't Want to Miss!
☐ Workshop 3: Telehealth in Primary Care Pediatrics

2-Hour Workshop: *Do not select this option if you have chosen any other workshops above!*

- ☐ Workshop 4: The Vomiting Child

Please check your tuition category:

Early Bird
(on or before 9/30)

Full Rate
(after 9/30)

Limited Availability!
On-Site
(12/1 & 12/2)

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

☐ \$505

☐ \$555

☐ N/A

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

☐ \$470

☐ \$520

☐ \$570

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

☐ \$430

☐ \$480

☐ N/A

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

☐ \$395

☐ \$445

☐ \$495

Payment must accompany registration.

☐ Check Payable to **Medical University of South Carolina**

☐ MasterCard

☐ Visa

☐ American Express

☐ Discover

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.