



27th Annual

Frontiers in Pediatrics

December 6-8, 2024
Hyatt Place Hotel
Charleston, South Carolina

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



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.

Credit Designation

The Medical University of South Carolina designates this live activity for a maximum of **16.0 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 **16.0 AMA PRA Category 1 Credit(s)[™]**.

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.

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.

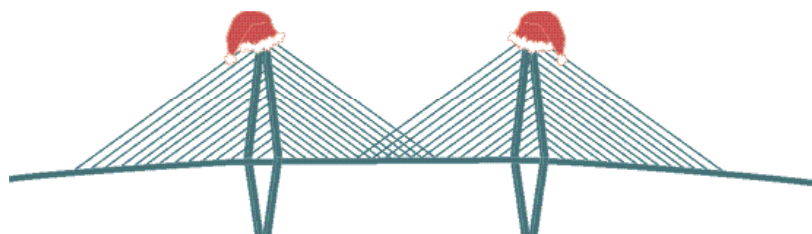
Disclosure Statement

In accordance with the ACCME Essentials and Standards, anyone involved in planning or presenting this educational activity will be required to disclose any financial relationships with any ineligible companies. This information will be made available to participants at the beginning of the activity. Any financial relationships with these ineligible companies have been mitigated by the MUSC Office of CME. 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

Offering in-person
and
virtual attendance

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.





Conference Director

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

Conference Co-Directors & Planning Committee

Erin Balog, MD, FAAP
Associate Professor of Pediatrics
Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina
Co-Director

William T. Basco, Jr., MD, MS, FAAP
Professor
Department of Pediatrics
Medical University of South Carolina
Planning Committee

J. Routt Reigart, MD, FAAP
Professor Emeritus
Division of General Pediatrics
Department of Pediatrics
Medical University of South Carolina
Co-Director

Tracy W. Halasz, DNP, APRN, CPNP-PC, PMHS
APP, Foster Care Support Clinic
Medical University Of South Carolina
Planning Committee

Visiting Faculty

Lisa Knight, MD, MBA
Associate Professor of Pediatrics
Division of Pediatric Endocrinology
Prisma Health Midlands -University of
South Carolina School of Medicine
Columbia, SC

Reid Thompson, MD
Associate Professor of Pediatrics
Johns Hopkins School of Medicine
Baltimore, MD

Alison Schonwald, MD
Associate Professor of Pediatrics
Harvard Medical School
Boston, MA

Anita Siu, PharmD, BCPPS
Vice Chair for Teaching and Learning
Director of Faculty Mentoring
Clinical Professor
Pediatric Pharmacy Clinical Coordinator
Ernest Mario School of Pharmacy
Rutgers, The State University of NJ

Medical University of South Carolina Faculty

Michael J. Barr, PT, DPT, MSR
Sports Medicine Manager
MUSC Health Sports Medicine

Nicole Cain, MD
Associate Professor,
Director of Pediatric Electrophysiology
Department of Pediatrics

Janet Carter, MS, RDN, LDN, CLS, FNLA
Outpatient Dietitian
Wellness Works Program Manager
MUSC Childrens Health

Shelli Ciandella, MD
Primary Care Sports Medicine Physician
Assistant Professor
Department of Orthopaedics and Physical Medicine

Alec DeCastro, MD, CAQSM
Associate Professor
Program Director
Primary Care Sports Medicine Fellowship
Dept of Family Medicine
Dept of Orthopaedics and Physical Medicine

Sandra S. Garner, PharmD, BCPS, BCPPS, FCCP
Professor
Department of Clinical Pharmacy and Outcomes Sciences
College of Pharmacy

Stacey W. Gray, PT, DPT, PCS, CBIS
MUSC Pediatric Concussion Clinic

Lara Wine Lee MD, PhD
Associate Professor
Department of Dermatology and Dermatologic Surgery

Caroline Nardi, MD
Assistant Professor
Departments of Psychiatry and Behavioral Sciences

William Michael Pullen, MD
Associate Professor
Department of Orthopaedics and Physical Medicine

Matthew Sherrier, MD
Assistant Professor
Department of Orthopedics and Physical Medicine

Christian J. Streck Jr., M.D., F.A.C.S, F.A.A.P.
H. Biemann Othersen Professor of Surgery
Chief, Division of Pediatric Surgery
Vice Chair, Education
Pediatric Trauma Medical Director

Nancy Swiader, DO
Director of Neurogastroenterology and Motility,
Division of Pediatric Gastroenterology, Hepatology and Nutrition

Kikki Thayer, MS, CCC-SLP, CBIS
MUSC Pediatric Concussion Clinic

Savannah Wawner, MSPAS, PA-C, CBIS
MUSC Pediatric Concussion Clinic

Conrad Williams MD, FAAP, FAAHPM
Director, Palliative Care Program, MUSC Health System
Associate Professor
Department of Pediatrics

Libby Winton, MD
Assistant Professor
Department of Emergency Medicine
Department of Orthopaedics and Physical Medicine



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 & Breakfast with exhibitors**
- 7:55 **Welcome/Login Virtual Attendees**
- 8:00 **Autism Spectrum Disorders in Primary Care**
Caroline Nardi, MD
Review the diagnostic criteria of Autism and how a diagnosis is made; Discuss the treatment of challenging behaviors in Autism ; Share community resources for providers and families
- 9:00 **Current Controversies in the Diagnosis and Management of Pediatric Appendicitis**
Christian J. Streck Jr., MD, F.A.C.S, F.A.A.P
Identify treatment options and timing of surgery for acute appendicitis in children; Discuss imaging strategies for appendicitis in children; Describe current management strategies for perforated appendicitis in children
- 10:00 **Break with exhibitors**
- 10:30 **Constipation in Pediatrics: The Role of Medications Beyond Miralax**
Nancy Swiader, DO
Clinicians will understand the office-based evaluation of constipation and potential signs and/or symptoms the require subspecialty referral; Understand the role of dietary modification in the management of constipation; Understand the role of pharmacologic interventions for the management and treatment of constipation including updates on new options for treatment in pediatrics.
- 11:30 **Pediatric New Drug Update 2024**
Sandra S. Garner, PharmD, BCPS, BCPPS, FCCP
Incorporate new FDA Warnings and label changes in pediatric drug selection to optimize therapy and promote medication safety; Evaluate foundational information (pharmacology, pharmacokinetics, efficacy and safety data, drug interactions, dosing regimens, monitoring, and cost) of newly FDA-approved drugs relevant to pediatric patients; Compare and contrast new medications with existing drug therapies to optimize evidence-based pediatric pharmacotherapy.
- 12:30 **Lunch on your own**
- 1:45 **POTS and Long Covid in the Pediatric and Adolescent Population**
Nicole Cain, MD
In this session, we will review the evidence for current non-pharmacological and pharmacological treatments, along with a practical "how-to" approach. We will then discuss emerging therapies based on new research. This session will offer both currently available practical management approaches and a look ahead to the future of treatment for POTS.
- 2:45 **Type 1 Diabetes: The Old, the New, and the Horizon**
Lisa Knight, MD, MBA
Identify the signs and symptoms of type 1 diabetes and formulate an initial management plan for a newly diagnosed child; Describe how continuous glucose monitors and hybrid closed loop insulin pumps work and the options that are currently available to patients; Recognize patients at-risk for the development of type 1 diabetes who may benefit from screening.
- 3:45 **Break with exhibitors**
- 4:15 **Pediatric Dermatology: Diagnoses You Don't Want to Miss!**
Lara Wine Lee, MD, PhD
Identify birthmarks that indicate important associated conditions; Recognize cutaneous stigmata of systemic conditions; Formulate initial steps to work-up dermatologic markers of systemic conditions
- 5:15 **Adjourn**





Course Schedule Continued

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

Saturday, December 7

- 7:30 **Registration & Breakfast with exhibitors**
- 7:55 **Welcome/Login Virtual Attendees**
- 8:00 **Psychopharmacology for the Pediatric Primary Care Provider**
Alison Schonwald, MD
Select evidence-based options to treat pediatric mental and behavioral health needs; Determine when polypharmacy is indicated for children and teens; Monitor psychopharmacology according to current standards and recommendations
- 9:00 **Type 2 Diabetes in Children: Beyond Metformin**
Lisa Knight, MD, MBA
Identify the signs and symptoms of type 2 diabetes and formulate an initial management plan for a newly diagnosed child; Discuss options for management of pediatric type 2 diabetes, when metformin alone does not achieve good glycemic control; Recognize patients who may benefit from bariatric surgery
- 10:00 **Break with exhibitors**
- 10:30 **Is Respiratory Syncytial Virus Immunization Working?**
Anita Siu, PharmD, BCPPS
Recognize key updates to the respiratory syncytial virus (RSV) immunization; Appraise the importance of the respiratory syncytial virus immunization in the context of a patient case; Explore the RSV immunotherapy and vaccine pipeline including the status of novel agents.
- 11:30 **Screening for and Evaluating Children with Heart Disease in 2024: Do We Still Need a Stethoscope?**
Reid Thompson, MD
Screen for heart disease in healthy newborns, infants and children using old and new tools; Assess the student athlete for potential heart disease with history and exam; Follow children with known heart disease to detect changes in status
- 12:30 **Lunch on your Own**
- 2:00 **Optional Workshops**
- 4:15 **Adjourn**
- Please see following page for
Saturday Afternoon Workshop options!**

Sunday, December 8

- 7:30 **Registration & Breakfast with exhibitors**
- 7:55 **Welcome/Login Virtual Attendees**
- 8:00 **Navigating the Pediatric Regulatory Framework for Drugs**
Anita Siu, PharmD, BCPPS
Identify pediatric laws and regulations for drugs; Define off-label use, expanded access, risk evaluation and mitigation strategies, orphan drugs, and emergency use authorization; List prescriber responsibilities for regulated category of drugs; Explain examples of regulated medications in the pediatric population.
- 9:00 **In This Together: Caring for Children with Severe Neurologic Impairment**
Conrad Williams MD, FAAP, FAAHPM
Assess for symptoms experienced in children with neurologic impairment; Partner with caregivers to provide excellent care to children with SNI; Utilize primary palliative care skills and resources to care for children with SNI.
- 10:00 **When It's More than ADHD**
Alison Schonwald, MD
Identify and manage ADHD co-occurring with Autism Spectrum Disorder; Interpret standardized testing of learning disorders and executive function; Distinguish ADHD treatment side effects from co-occurring disorders.
- 11:00 **Adjourn until 2025**



Saturday Afternoon Workshops

Please select one 2-hour workshop

2-HOUR WORKSHOP: Saturday, 2:00-4:00 pm. *In-person or Virtual Workshop*****

Option 1: Don't Throw The Baby Out With The Bathwater: An Approach to Early Management of Pediatric Concussions

Savannah Wawner, MSPAS, PA-C, CBIS, Stacey W. Gray, PT, DPT, PCS, CBIS, Kikki Thayer, MS, CCC-SLP, CBIS

Learning Objectives: *Recognize the mechanism(s) of injury that may result in a concussion and how signs/symptoms of concussion may present; Identify when to refer to specialist(s) and identify the benefits of evaluation and treatment within a multidisciplinary model; Discuss what a concussion evaluation consists of and how to modify the assessment and treatment based on patient's age; Review principles of physical therapy treatment options to address oculomotor and vestibular dysfunction secondary to concussion; Review principles of speech language pathology treatment options to address cognitive communication deficits secondary to concussion*

2-HOUR WORKSHOP: Saturday, 2:00-4:00 pm. * Not available for virtual registrations*****

Option 2: Evaluation and Treatment of Sports Related Injuries and Ailments in Pediatric Athletes, Michael Barr, PT, DPT, MSR, Shelli Ciandella, MD, Alec DeCastro, MD, Michael Pullen, MD, Matthew Sherrier, MD, Libby Winton, MD

Learning Objectives: *Identify characteristic clinical features and develop a differential diagnosis for knee pain in pediatric patients, considering other musculoskeletal conditions, traumatic injuries, and systemic disorders; Discuss the appropriate diagnostic evaluation for patellofemoral pain syndrome, including history-taking, physical examination techniques, and imaging modalities (e.g., X-ray, MRI) to aid in accurate diagnosis and management decisions; Discuss the evidence-based management of patellofemoral pain syndrome in pediatric patients and young athletes, including preventative strategies, physical therapy, medications and surgical indications, and gradual progression of activities; Identify history and exam findings that raise suspicion for meniscal injuries including developing a differential diagnosis for knee pain with effusion in a pediatric patient; Discuss the appropriate diagnostic evaluation and treatment options (conservative and surgical) for meniscal injuries.; Discuss risk factors that predispose pediatric patients to meniscal injuries; Discuss how to deal with growth plate related issues in the skeletally immature patient with regards to ACL tear and reconstruction.*

2-HOUR WORKSHOP: Saturday, 2:00pm - 4:00 pm. * Not available for virtual registrations*****

Option 3: Cardiac Evaluation: Skills Workshop, Reid Thompson, MD *1 hour*****

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*

&

Nutrition/Dietary Pearls in Pediatric Weight Management for the Busy Clinician: Putting the Guidelines into Practice, Janet Carter, MS, RDN, LDN, CLS, FNLA *1 hour*****

Learning Objectives: *Communicate effectively and sensitively with children/teens and their families about the uncomfortable topic of weight management; Quickly gather relevant information about a patient's lifestyle pattern to pinpoint areas needing improvement. (SSBs, portions, screen time/sedentary behavior/exercise, eating out, snacking); Recognize important "dos and don'ts" when working with children/teens with obesity; Briefly explain helpful resources online and in the community to families who may benefit (Let's Go 5-2-1-0, Wellness Works program, Walk with a Doc, etc.).*

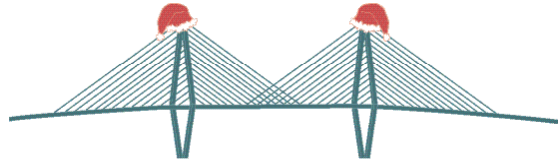
*****For option 3 the CME office will place you in each session for 1 hour each*****



Access to Recorded Presentations

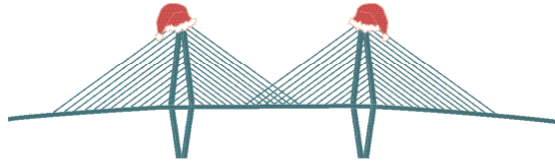
The MUSC Office of CME, with the permission of each speaker, will be recording each presentation of the conference. The videos will be posted online after the conference and be available for those who are not able to live stream the entire conference. Viewing the videos will offer the same amount of CME credit and can be viewed for up to 14 days following the posting date. The non-refundable fee for this service is \$100.00 and is only available to individuals registered for the conference. Access to the videos will be granted to attendees who purchase this option in advance of the conference.

Credit Designation: The Medical University of South Carolina designates this enduring material for a maximum of 1.0 *AMA PRA Category 1 Credit(s)*[™] for each video. Physicians should only claim the credit commensurate with the extent of their participation in the activity.



Cancellations

A refund will be made upon written request prior to **November 5, 2024**; however, \$100.00 will be retained for administrative costs. No refunds will be made after November 5, 2024. 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.***



Holiday Magic in Historic Charleston

Holiday Festival of Lights

November 15 - December 31, 2024
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.



Registration Fees

Register by September 30, 2024 for the Early Bird Rate!

	Early Bird (on or before 9/30)	Full Rate (on or after 10/1)
In-Person Attendance	\$525	\$575
Virtual Attendance	\$575	\$625
Access to Recorded Videos (Optional)	\$100	\$100

The fee for in-person attendance includes tuition, breaks, online syllabus and certificates of attendance. The fee for virtual attendance includes tuition, online syllabus, and certificates of attendance. **Please note: for virtual registrations, a minimum number of participants must register to be able to offer the virtual meeting. If this minimum is not met, you will be notified by November 22, 2024 and will be given the option to change to in-person registration or receive a full refund. If the virtual registration option is canceled, the video access option would also be canceled and a refund will be issued to anyone that purchased access to the videos.**

Please make your check payable to Medical University of South Carolina and mail with the registration form included in this brochure to: **Heidi Callahan**, MUSC Office of CME, 96 Jonathan Lucas Street HE 601, MSC 754, Charleston, SC 29425

Pre-registrations will be accepted until December 2, 2024 or until conference capacity is reached. After December 2, 2024 you must call the MUSC Office of CME at 843-876-1925 to see if space is still available.



Hotel Information

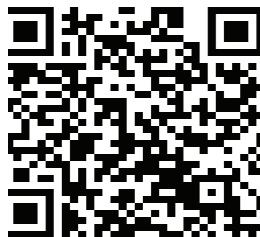
The Hyatt Place Hotel
560 King Street, Charleston, SC 29403

A block of rooms has been reserved at the Hyatt Place Charleston, 560 King Street, Charleston, SC 29403. The conference rate is \$209++ and the room block for conference registrants will be held until Monday, November 4, 2024. The room block may fill prior to November 4, 2024 and availability cannot be guaranteed. We suggest you make your reservation as soon as possible. To make your reservation, please call the hotel at 1-800-993-4751 and reference the 27th Annual Frontiers in Pediatrics Conference. You can also make your reservations by going to the following link:

Link for online reservations: <https://www.hyatt.com/en-US/group-booking/CHSZH/G-FRIP> or us the below QR Code

Online Booking Code: FRIP

Parking: Valet parking at the hotel is available at \$42.00 plus tax, per day with unlimited in and out privileges. Self-parking is available at \$20.00 per day for a 24-hour period, without in and out privileges. Self-parking is located in the Charleston County Municipal Parking Garage next to the hotel and charges are paid directly to PMC Parking System, which manages the garage. Rates are subject to change with notice.



Registration Form

27th Annual Frontiers in Pediatrics

December 6-8, 2024 - Hyatt Place Hotel • Historic Charleston, SC

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

Last Name (please print clearly)

MD DO NP PA Other

First Name

(specify)

Middle Initial

Email

ID Number (last four digits of your SSN)

Phone

Address

City

State

Zip

YES I give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grant

NO I do not give permission to the MUSC Office of CME to share my name, city, and state with other attendees and the companies that will be exhibiting at and/or supporting the conference through educational grant

What is your primary medical specialty?

Pediatrics

Family Medicine

Other _____

Please check your tuition category:

In-person Attendance

Virtual Attendance

Access to Recorded Videos (Optional)

Early Bird
(on or before 9/30)

Full Rate
(on or after 10/1)

\$525

\$575

\$575

\$625

\$100

\$100

The fee for in-person attendance includes tuition, breaks, online syllabus and certificates of attendance. The fee for virtual attendance includes tuition, online syllabus, and certificates of attendance. **Please note: for virtual registrations, a minimum number of participants must register to be able to offer the virtual meeting. If this minimum is not met, you will be notified by November 22, 2024, and will be given the option to change to in-person registration or receive a full refund. If the virtual registration option is canceled, the video access option would also be canceled and a refund will be issued to anyone that purchased access to the videos.**

Saturday Afternoon Workshops (No additional charge)

Choose (1) 2-hour workshop or (2) 1-hour workshops:

Option 1: 2:00 - 4:00pm

Don't Throw The Baby Out With The Bathwater: An Approach to Early Management of Pediatric Concussions (In Person or Virtual Workshop**)**

Option 2: 2:00 - 4:00pm

Workshop Sports Medicine - Evaluation and Treatment of Sports Related Injuries and Ailments in Pediatric Athletes (In Person Only)

Option 3: 2:00 - 4:00pm

**Cardiac Evaluation (1 hour) (In Person Only)
Skills & Nutrition/Dietary Pearls in Pediatric Weight Management for the Busy Clinician (1 hour)**

****For option 3 the CME office will place you in each session for 1 hour each****

Payment must accompany registration:

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

Master Card

Visa

AX

Discover

Cardholder's Name

Card Number

Expiration Date

CVV Code

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
Heidi Callahan, MUSC - Office of CME
96 Jonathan Lucas Street, HE 601, MSC 754, Charleston, SC, 29425

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

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

• **Online:** To register through the online portal, please use your camera on the QR Code