



JOHNS HOPKINS  
MEDICINE

Office of Continuing Medical Education  
Johns Hopkins University School of Medicine  
720 Rutland Avenue, Turner 20  
Baltimore, Maryland 21205-2195

46th Annual

# Pediatric Trends

April 30 – May 3, 2019

Baltimore, Maryland



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## CONTINUING MEDICAL EDUCATION



JOHNS HOPKINS  
CHILDREN'S CENTER

presents

46th Annual

# Pediatric Trends

April 30 – May 3, 2019



Thomas B. Turner Building  
Johns Hopkins University  
School of Medicine  
Baltimore, Maryland

This activity has been approved for **AMA PRA Category 1 Credits™**.



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MEDICINE

## Description

Pediatric medicine is evolving on a daily basis and it can be difficult for a general pediatric practitioner to remain up-to-date on new standards of care, therapies, and medications. The goal of this course is to fulfill the need in the practicing pediatric community to increase and improve competence in the field of pediatric medicine and to integrate best practices based on evidence-based medicine and current research. Dr. Ngo reached out to division leaders to discuss potential topics related to their subspecialty that may be of particular interest to the general practitioner. This will assist in closing the gap between community and academic medicine.

## Who Should Attend

This activity is intended for pediatricians, general practitioners, nurse practitioners, PAs, pediatric subspecialists, pediatric residents, pediatric subspecialty fellows, family practitioners and other allied health professionals interested in the care of infants, children and adolescents.

## Objectives

- After attending this activity, the participant will demonstrate the ability to:
- Explain the step-by-step approach to managing a well-appearing febrile infant.
  - Describe the evaluation and management of a patient who presents with chest pain.
  - Discuss the pathophysiology, evaluation, and management of bacterial meningitis.
  - Identify patients with short stature who require additional work-up.

## Accreditation Statement

The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCEM) to provide continuing medical education for physicians.

## Credit Designation Statement

The Johns Hopkins University School of Medicine designates this live activity for a maximum of 28.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## Maintenance Of Certification

Completion of this activity and associated assessment enables the participant to earn 28.25 ABP MOC Part 2 points.

## Other Credits

Application for CME credit has been filed with the **American Academy of Family Physicians**. Determination of credit is pending. **American Nurses Credentialing Center (ANCC)** accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME. **American Board of Nurse Practitioners National Certification Program** accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

## General Information

**National Commission on Certification of Physician Assistants (NCCPA)**  
PAs may claim a maximum of 28.25 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society.

The Johns Hopkins University has approved this activity for 28.25 **contact hours for non-physicians**.

**Policy on Speaker and Provider Disclosure**  
It is the policy of the Johns Hopkins University School of Medicine that the speaker and provider globally disclose conflicts of interest. The Johns Hopkins University School of Medicine CME has established policies in place that will identify and resolve conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

**Registration**  
April 30, 2019 • 7:45-8:30 a.m.

**Location**  
Thomas B. Turner Building  
Johns Hopkins University School of Medicine  
720 Rutland Avenue  
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at <https://HopkinsCME.cloud-cme.com>. Handicapped parking is available in the nearby Rutland Garage. Complimentary round-trip taxi vouchers will be provided to attendees staying at conference headquarters hotel. *Johns Hopkins is smoke-free.*

**Fees**  
**Register Online:**  
<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=16181>

**Methods of Payment:** We require full payment prior to the start of the activity. On-site payments by credit card only. The registration fee includes instructional materials, continental breakfasts, refreshment breaks and lunches.

Physicians \$725  
Residents/Fellows/Nurses/NPs/PAs/ Allied Health Professionals\* \$575  
\*with verification of status  
Printed Syllabus \$50

You will receive a confirmation by e-mail. If you have not received it by April 24, 2019, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

## Commercial Support

The Johns Hopkins University School of Medicine did not solicit or receive commercial funding from any commercial entity, including pharmaceutical and medical device manufacturers, for this activity.

## Americans with Disabilities Act

The Johns Hopkins University School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

## Emergency Calls

On April 30–May 3, 2019, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner's practice.

**The last day to access the evaluation and attest to your credits is June 17, 2019.**

Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner's transcript and immediately available for print.

**How to Obtain Credit**  
Make your reservation online at <http://homonewoodsuites.hilton.com/en/w/groups/personalized/B/BALHWHV-JHP-20190429/index.html> or call the hotel directly and specify that you are attending the **Johns Hopkins 46th Annual Pediatric Trends conference** to receive the special group rate of \$174, plus tax. Complimentary round trip taxi vouchers will be provided by the hotel. Please ask at the front desk for your voucher. Check-in time is 3:00 p.m. Check-out time is 11:00 a.m.

## Hotel Reservation Cut-off Date: MARCH 29, 2019

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first-come, first-served basis.

Homewood Suites by Hilton  
625 South President Street  
Baltimore, Maryland 21202  
(410) 234-0999  
FAX: (443) 392-9020

## Hotel and Travel Information

All registrants will receive a flash drive with the slides and paper for note-taking. This is included in the cost of your registration. A link to the syllabus will be provided via email shortly before the activity begins if you prefer to study or print the syllabus. A printed copy may be ordered at the time of registration for an additional fee of \$50. The printed copy will be provided during activity registration. Cancellations or refunds for the printed copy will not be permitted.

## Syllabus

**Late Fee and Refund Policy**  
A \$50 late fee applies to registrations received after 5:00 p.m. ET on April 24, 2019. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by **April 24, 2019**. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.



# Program

## Tuesday, April 30, 2019

7:45 – 8:30	Registration and Continental Breakfast
8:30 – 8:45	<b>Welcome and Conference Goals</b> Thuy Ngo, DO, Med, FAAP
8:45 – 10:15	<b>Pediatric Emergency Medicine</b> <i>Moderator:</i> Bruce Klein, MD <b>Band-Aids, Burns, and Brain Injury: Optimizing Follow-Up Care after an Injury</b> Leticia Ryan, MD, MPH <b>Seeing is Believing: Technological Tools that Enhance Pediatricians' Diagnostic Skills</b> Therese Canares, MD
10:15 – 11:45	<b>Pediatric Neurology</b> <i>Moderator:</i> Carl Stafstrom, MD, PhD <b>First Seizure</b> Sarah Kelly, MD <b>Pediatric Headache 101</b> Christopher Oakley, MD
11:45 – 1:00	Lunch and Lecture <b>Pediatric Pulmonology</b> <b>Updates in Asthma Management</b> Mandeep Jassal, MD, MPH
1:00 – 2:30	<b>Pediatric Gastroenterology</b> <i>Moderator:</i> Douglas Mogul, MD, MPH <b>Inflammatory Bowel Disease</b> Steven Miller, MD <b>Gut Microbiome for the General Pediatrician</b> Douglas Mogul, MD, MPH
2:30 – 4:00	<b>Pediatric Hematology</b> <i>Moderator:</i> James Casella, MD <b>Common Bleeding Disorders: Case Presentations and Discussion</b>
4:00 – 4:15	Break
4:15 – 5:45	<b>Neonatology</b> <i>Moderator:</i> W. Christopher Golden, MD <b>Follow-up of the NICU Graduate: The Basics</b> Rebecca Dorner, MD <b>Creating a Medical Home for Fragile NICU Graduate</b> Renee Boss, MD, MHS

## Wednesday, May 1, 2019

7:45 – 8:30	Continental Breakfast
8:30 – 8:45	<b>Welcome from Pediatric Director</b> Thuy Ngo, DO, Med, FAAP and Tina Cheng, MD, MPH
8:45 – 10:15	<b>Pediatric Allergy and Immunology</b> <i>Moderator:</i> Robert Wood, MD <b>The Child with Frequent Infections</b> Maria Gutierrez, MD <b>What's New in Food Allergy</b> Jennifer Dantzer, MD
10:15 – 11:45	<b>Pediatric Hospitalist Medicine</b> <i>Moderator:</i> Eric Biondi, MD, MS <b>Well-Appearing Febrile Infant Management</b> Eric Biondi, MD, MS <b>Everything You Wanted to Know About Bronchiolitis but Were Afraid to Ask</b> Alia Irshad, MD
11:45 – 12:45	Lunch
12:45 – 2:15	<b>Child and Adolescent Psychiatry</b> <i>Moderator:</i> Robert Findling, MD, MBA <b>Dialectical Behavior Therapy: What Every Pediatrician Needs to Know</b> Lisa Townsend, LCSW-C, PhD <b>Clinical Care Needs of Pediatric Transgender/Gender Non-Binary Patients</b> Kathryn Van Eck, PhD
2:15 – 3:45	<b>Pediatric Endocrinology</b> <i>Moderator:</i> Sheela Magge, MD, MSCE <b>Pediatric Type 2 Diabetes</b> Sheela Magge, MD, MSCE <b>Short Stature in Children and Adolescents</b> Risa Wolf, MD
3:45 – 4:00	Break
4:00 – 5:30	<b>Pediatric Dermatology</b> <i>Moderator:</i> Bernard Cohen, MD <b>Beyond Dr. Pimple Popper: Update on Acne Management</b> Anna Grossberg, MD <b>Cases in Pediatric Dermatology</b> Kaiane Habeshian, MD <b>What's Eating You?</b> <b>Update on Scabies, Head Lice, Insect Bite Hypersensitivity</b> Bernard Cohen, MD

# Speakers

**PEDIATRIC ENDOCRINOLOGY**  
**Sheela Magge, MD, MSCE**  
Associate Professor (PAR)  
Director, Division of Pediatric Endocrinology  
David M. Rubenstein Child Health Building  
**Risa Wolf, MD**  
Assistant Professor  
Division of Pediatric Endocrinology  
David M. Rubenstein Child Health Building

**PEDIATRIC HEMATOLOGY**  
**James Casella, MD**  
Professor  
Chief, Division of Pediatric Hematology  
Ross Research Building

**PEDIATRIC HOSPITALIST MEDICINE**  
**Eric Biondi, MD, MS**  
Associate Professor  
Director, Division of Pediatric Hospitalist Medicine  
Bloomberg Children's Center  
**Alia Irshad, MD**  
Assistant Professor  
Division of Pediatric Hospitalist Medicine  
Bloomberg Children's Center

**PEDIATRIC GASTROENTEROLOGY**  
**Steven Miller, MD**  
Assistant Professor  
Division of Pediatric Gastroenterology  
CMSC Building

**Douglas Mogul, MD, MPH**  
Assistant Professor  
Division of Pediatric Gastroenterology  
CMSC Building

**PEDIATRIC INFECTIOUS DISEASES**  
**Anna Sick-Samuels, MD, MPH**  
Clinical Fellow  
Division of Pediatric Infectious Diseases  
David M. Rubenstein Child Health Building  
**Kwang Sik Kim, MD**  
Professor  
Director, Division of Pediatric Infectious Diseases  
David M. Rubenstein Child Health Building

**PEDIATRIC NEPHROLOGY**  
**Olga Charnaya, MD, MHS**  
Assistant Professor  
Division of Pediatric Nephrology  
David M. Rubenstein Child Health Building  
**Jeffrey Fadrowski, MD, MHS**  
Associate Professor  
Division of Pediatric Nephrology  
David M. Rubenstein Child Health Building  
**Rebecca Ruebner, MD, MSCE**  
Assistant Professor  
Division of Pediatric Nephrology  
David M. Rubenstein Child Health Building

**PEDIATRIC NEUROLOGY**  
**Sarah Kelly, MD**  
Assistant Professor  
Division of Pediatric Neurology  
David M. Rubenstein Child Health Building

**Christopher Oakley, MD**  
Assistant Professor  
Division of Pediatric Neurology  
Director, Pediatric Headache Center

**Carl Stafstrom, MD, PhD**  
Professor  
Division of Pediatric Neurology  
The Harriet Lane Children's Health Building

**PEDIATRIC ONCOLOGY**  
**Kenneth Cooke, MD**  
Professor  
Division of Pediatric Oncology  
Director, Pediatric Bone and Marrow Transplantation Program  
Bunting-Blaustein Cancer Research Building  
**Christine Pratilas, MD**  
Assistant Professor  
Division of Pediatric Oncology  
Bunting-Blaustein Cancer Research Building  
**Donald Small, MD, PhD**  
Professor  
Director, Division of Pediatric Oncology  
Bunting-Blaustein Cancer Research Building

**PEDIATRIC PULMONOLOGY**  
**Mandeep Jassal, MD, MPH**  
Assistant Professor  
Division of Pediatric Respiratory Sciences  
David M. Rubenstein Child Health Building

## Thursday, May 2, 2019

7:45 – 8:30	Continental Breakfast
8:30 – 8:45	<b>Conference Goals</b> Thuy Ngo, DO, Med, FAAP
8:45 – 10:15	<b>Pediatric Nephrology</b> <i>Moderator:</i> Jeffrey Fadrowski, MD, MHS <b>Proteinuria</b> Rebecca Ruebner, MD, MSCE <b>Congenital Anomalies of the Kidneys and Urinary Tract</b> Olga Charnaya, MD, MHS
10:15 – 11:45	<b>Pediatric Infectious Diseases</b> <i>Moderator:</i> Kwang Sik Kim, MD <b>UnMRSAful – Antibiotic Resistance</b> <b>Trends of Staph. Aureus and Clinical Implications</b> Anna Sick-Samuels, MD, MPH <b>Bacterial Meningitis in Infants and Children</b> Kwang Sik Kim, MD
11:45 – 1:15	Lunch Question and Answer Session with the Pediatric Infectious Disease Specialists
1:15 – 1:30	Break
1:30 – 3:00	<b>Pediatric Oncology</b> <i>Moderator:</i> Donald Small, MD, PhD <b>Update on Diagnosis and Management of Pediatric Sarcomas</b> Christine Pratilas, MD <b>Blood Stem Cell Transplantation for Pediatric Disorders: Changing the Standard of Care</b> Kenneth Cooke, MD
3:00 – 5:00	<b>Interesting Cases with Pediatric Residents</b> <i>Moderator:</i> Kimberly Dickinson, MD, MPH, Nina Guo, MD and Brandon Smith, MD

## Friday, May 3, 2019

8:00 – 8:30	Continental Breakfast
8:30 – 8:45	<b>Conference Goals</b> Thuy Ngo, DO, Med, FAAP
8:45 – 10:15	<b>General Pediatric and Adolescent Medicine</b> <i>Moderator:</i> Barry Solomon, MD, MPH <b>Children in Foster Care: An Overview for Pediatric Providers</b> Rebecca Seltzer, MD, MHS <b>Substance Use Screening, Brief Intervention, and Referral to Treatment (SBIRT) in Pediatric Primary Care</b> Camille Robinson, MD, MPH
10:15 – 11:45	<b>Pediatric Cardiology</b> <i>Moderator:</i> Shelby Kutty, MD, PhD, MHCM <b>Faint of Heart: Approach to Syncope Evaluation and Management</b> Caridad de la Uz, MD <b>Achy Breaky Heart: Outpatient Management of Chest Pain</b> William Ravekes, MD, PhD
11:45	Adjourn You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance. The registration desk will remain open during conference hours.

The Johns Hopkins University School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity.

This schedule is subject to change.

# Speakers

**Activity Director**  
**Thuy Ngo, DO, Med, FAAP**  
Assistant Professor of Pediatrics  
Division of Pediatric Emergency Medicine  
Bloomberg Children's Center

## Johns Hopkins Speakers

**CHILD AND ADOLESCENT PSYCHIATRY**  
**Robert Findling, MD, MBA**  
Professor  
Director, Division of Child and Adolescent Psychiatry  
Bloomberg Children's Center  
**Lisa Townsend, LCSW-C, PhD**  
Assistant Professor  
Division of Child and Adolescent Psychiatry  
Bloomberg Children's Center  
**Kathryn Van Eck, PhD**  
Assistant Professor  
Division of Child and Adolescent Psychiatry  
Kennedy Krieger Institute

**GENERAL PEDIATRIC AND ADOLESCENT MEDICINE**  
**Camille Robinson, MD, MPH**  
Clinical Chief Fellow, Adolescent Medicine  
Division of General Pediatrics and Adolescent Medicine  
The Harriet Lane Children's Health Building  
**Rebecca Seltzer, MD, MHS**  
Assistant Professor  
Division of General Pediatrics and Adolescent Medicine  
David M. Rubenstein Child Health Building  
**Barry Solomon, MD, MPH**  
Associate Professor  
Division of General Pediatrics and Adolescent Medicine  
The Harriet Lane Children's Health Building

**NEONATOLOGY**  
**Renee Boss, MD, MHS**  
Associate Professor  
Division of Neonatology  
Bloomberg Children's Center  
**Rebecca Dorner, MD**  
Clinical Fellow  
Division of Neonatology  
Bloomberg Children's Center  
**W. Christopher Golden, MD**  
Assistant Professor  
Division of Neonatology  
Bloomberg Children's Center

**PEDIATRIC ALLERGY AND IMMUNOLOGY**  
**Jennifer Dantzer, MD**  
Assistant Professor  
Division of Pediatric Allergy and Immunology  
David M. Rubenstein Child Health Building  
**Maria Gutierrez, MD**  
Assistant Professor  
Division of Pediatric Allergy and Immunology  
David M. Rubenstein Child Health Building  
**Robert Wood, MD**  
Professor  
Director, Division of Pediatric Allergy and Immunology  
David M. Rubenstein Child Health Building

**PEDIATRIC CARDIOLOGY**  
**Shelby Kutty, MD, PhD, MHCM**  
Professor  
Director, Division of Pediatric Cardiology  
Bloomberg Children's Center  
**William Ravekes, MD, PhD**  
Associate Professor  
Division of Pediatric Cardiology  
Bloomberg Children's Center  
**Caridad de la Uz, MD**  
Assistant Professor  
Division of Pediatric Cardiology  
Bloomberg Children's Center

**PEDIATRIC CHIEF RESIDENTS**  
**Kimberly Dickinson, MD, MPH**  
Chief Resident  
Department of Pediatrics  
Bloomberg Children's Center  
**Nina Guo, MD**  
Chief Resident  
Department of Pediatrics  
Bloomberg Children's Center  
**Brandon Smith, MD**  
Chief Resident  
Department of Pediatrics  
Bloomberg Children's Center

**PEDIATRIC DERMATOLOGY**  
**Bernard Cohen, MD**  
Professor  
Division of Pediatric Dermatology  
David M. Rubenstein Child Health Building  
**Annie Grossberg, MD**  
Assistant Professor  
Division of Pediatric Dermatology  
David M. Rubenstein Child Health Building  
**Kaiane Habeshian, MD**  
Clinical Fellow  
Division of Pediatric Dermatology  
David M. Rubenstein Child Health Building

**PEDIATRIC EMERGENCY MEDICINE**  
**Therese Canares, MD**  
Assistant Professor  
Division of Pediatric Emergency Medicine  
Bloomberg Children's Center  
**Bruce Klein, MD**  
Associate Professor  
Interim Director, Division of Pediatric Emergency Medicine  
Bloomberg Children's Center  
**Leticia Ryan, MD, MPH**  
Assistant Professor  
Division of Pediatric Emergency Medicine  
Bloomberg Children's Center

# Registration Form

Course Number 80047667/16181

**46th Annual Pediatric Trends - April 30–May 3, 2019**  
**To Register: Online** <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=16181>  
**By fax:** (866) 510-7088 **By phone:** (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, 720 Rutland Avenue, Turner Room 20, Baltimore, Maryland 21205-2195. Include e-check or credit card information below.

FULL PAYMENT IS REQUIRED PRIOR TO THE START OF ACTIVITY.

I am a Johns Hopkins speaker for this activity.

Please type or print clearly:

last name		first name		mi.
highest degree	primary specialty	Hopkins faculty/Staff Only – JHED ID:		
For Physicians Only - NPI#:		State License #:	State of License:	
mailing address		organization		
city	state	ZIP + 4 code	country	
daytime telephone		fax number		
e-mail (required)				

Check here if you wish to receive e-mail notices about upcoming CME activities.

What do you hope to learn by attending this activity? \_\_\_\_\_

Please notify us if you have any special needs. \_\_\_\_\_

## Registration Fees:

Physicians.....\$725  
Residents\*/Fellows\*/Nurses/NPs/PAs/Allied Health Professionals.....\$575  
\*with verification of status  
Printed Syllabus.....\$50

The registration fee includes instructional materials and food and beverage. For registrations received after 5:00 p.m. ET on April 24, 2019, include a \$50 late fee. On-site registrations are payable only by credit card.

Total \$ \_\_\_\_\_

## Payment Type:

**JHU Faculty/Staff Only:** If you are using your Tuition Remission Benefit or an ION budget, please upload your fully completed and approved form in the payment section of the online activity link above.

**TR Form:** <http://benefits.jhu.edu/documents/trffacandstaff.pdf>  **ION Form:** <http://hopkinscme.edu/migration/lonRequest.pdf>

**e-Check** Routing Number \_\_\_\_\_ Account Number \_\_\_\_\_

**Credit Card:**  VISA  MASTERCARD  DISCOVER  AMEX

Card # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Exp. Date \_\_\_\_\_

Billing Zip Code \_\_\_\_\_ Security Code \_\_\_\_\_

Name on Card \_\_\_\_\_ Signature & Date \_\_\_\_\_

## To Register or For Further Information

Register Online.....<https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=16181>  
Register by Phone.....(410) 502-9636  
Register by Fax.....(866) 510-7088  
Confirmation/Certificates/Transcripts.....(410) 502-9636  
General Information.....(410) 955-2959  
E-mail the Office of CME.....[cmenet@jhmi.edu](mailto:cmenet@jhmi.edu)

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For general information, please visit the activity webpage at <https://hopkinscme.cloud-cme.com/aph.aspx?P=5&EID=16181>



Check out our mobile app **CloudCME**.  
Organization Code: **HopkinsCME**  
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email: [cmetechnsupport@jhmi.edu](mailto:cmetechnsupport@jhmi.edu)