

13th Annual Nemaconlin International Asthma Conference

An Interactive Forum on Patient Care, Therapy, and Research

Thursday, October 25 - Saturday, October 27, 2018

Nemaconlin Woodlands Conference Center

Farmington, Pennsylvania



SPONSORED BY

Department of Medicine
Division of Allergy, Asthma, and Immunology
Allegheny General Hospital
Allegheny Health Network
Pittsburgh, Pennsylvania



Allegheny
Health Network

Conference Overview

Despite significant advances in our understanding of the pathophysiology and treatment of asthma, and the availability of national and international guidelines on the diagnosis and treatment of asthma, recent surveys show that asthma control and morbidity have not improved. Research is being conducted to address many of these issues. This conference will bring the latest research developments in this rapidly changing field to health care professionals practicing, researching, and teaching asthma care.

Asthma exists in diverse environments and populations and varies in severity by time and patient. Moreover, based on the results of recent research, asthma is being viewed less as a disease and more as a syndrome with multiple phenotypes and endotypes. The resultant heterogeneity forms the basis for the education and discussion embedded in the NemaColin International Asthma Conference, which takes pride in being one of the only conferences in the world dedicated exclusively to asthma. Its purpose is to create a highly interactive educational environment, including the world's best asthma researchers, teachers, and clinicians, to critique cutting-edge research and translate key research findings into clinical pearls that will benefit patients with asthma.

Intended Audience and Conference Objectives

This conference is intended for primary care physicians, pediatricians, pulmonologists, allergists, physician assistants, nurse practitioners, ENTs, and asthma specialists.

At the conclusion, participants should have the ability to:

- Discuss emerging technologies to improve asthma outcomes.
- Describe the relationship between climate change and pollen allergy.
- Review the development of novel bronchodilators in asthma.
- Discuss the current and future roles of precision medicine for asthma.
- Describe the immunology of different forms of food allergy.
- Review the novel mechanisms of virus-induced airway dysfunction.
- Discuss novel anti-viral targets and strategies to prevent and treat asthma.
- Update steroid safety in children with asthma.
- Review pre- and early- life influences/interventions to reduce the burden of asthma.
- Describe gene and environment interactions in the origin of asthma.
- Discuss upper and lower airway relationships in asthma.
- Review the role of allergen immunotherapy in adult and childhood asthma.

Intended Outcome

To positively impact the morbidity and cost of asthma by providing health care practitioners with recommendations on the care of patients with asthma that are based on the most up-to-date research conducted by the world's leading asthma experts.

Conference Co-Founders

Giovanni Piedimonte, MD, FAAP, FCCP

Chief, Global Pediatric Research Operations,
Cleveland Clinic Foundation
The Steven and Nancy Calabrese Endowed Chair for Excellence
in Pediatric Care, Research and Education
Professor & Chair of Pediatrics,
Cleveland Clinic Lerner College of Medicine
of Case Western Reserve University
Director, Center for Pediatric Research,
Lerner Research Institute
Cleveland, Ohio

David P. Skoner, MD

Professor of Pediatrics
West Virginia University School of Medicine
Morgantown, West Virginia

Conference Directors

Deborah Gentile, MD

Director of Clinical Research
Division of Allergy, Asthma and Immunology
Pediatric Alliance, Pittsburgh, Pennsylvania
Adjunct Professor
School of Pharmacy
Duquesne University
Pittsburgh, Pennsylvania

Paul O'Byrne, MB, FRCP(C), FRSC

Dean and Vice President,
Faculty of Health Sciences,
Michael G DeGroote School of Medicine,
McMaster University
Hamilton, Ontario, Canada

Giovanni Piedimonte, MD, FAAP, FCCP

Chief, Global Pediatric Research Operations,
Cleveland Clinic Foundation
The Steven and Nancy Calabrese Endowed Chair for Excellence
in Pediatric Care, Research and Education
Professor & Chair of Pediatrics,
Cleveland Clinic Lerner College of Medicine
of Case Western Reserve University
Director, Center for Pediatric Research,
Lerner Research Institute
Cleveland, Ohio

David P. Skoner, MD

Professor of Pediatrics
West Virginia University School of Medicine
Morgantown, West Virginia

Sally E. Wenzel, MD

Professor of Medicine
Director, University of Pittsburgh Asthma Institute
@UPMC/UPSOM
Subsection Chief of Allergy Pulmonary, Allergy and
Critical Care Medicine
Pittsburgh, Pennsylvania

Fellows Program Director

Reynold A. Panettieri Jr., MD

Professor of Medicine,
Robert Wood Johnson Medical School
Vice Chancellor, Clinical & Translational Science Director,
Rutgers Institute for Translational Medicine & Science
Emeritus Professor of Medicine,
University of Pennsylvania
Philadelphia, Pennsylvania

Faculty

Leonard Bielory, MD

Professor of Medicine
Thomas Jefferson University Sidney Kimmel School of
Medicine
Philadelphia, Pennsylvania
Professor, Center of Environmental Prediction
Rutgers University
New Brunswick, New Jersey
Professor of Medicine
Hackensack Median School of Medicine at Seton Hall
University
Nutley, New Jersey

Guy Brusselle, MD, PhD, FERS

Department of Respiratory Medicine
Ghent University Hospital
Ghent, Belgium

Tyra Bryant-Stephens MD

Director and Founder, The Community Asthma
Prevention Program
Clinical Professor of Pediatrics
The Children's Hospital of Philadelphia
Philadelphia, Pennsylvania

William W. Busse, M.D.

Professor of Medicine
Allergy, Pulmonary and
Critical Care Medicine

Anne Dixon, MA, BM BCH

Chief, Pulmonary and Critical Care Medicine
Professor of Medicine
University of Vermont

Sumita B. Khatri, MD MA

Co-Director Asthma Center Cleveland Clinic
Assoc Prof Medicine
CCLCM/CWRU School of Medicine
Cleveland, Ohio

Jay K. Kolls, MD

Professor of Medicine and Pediatrics
John W Deming Endowed Chair in Internal Medicine
Director, Center for Translational Research in Infection and Inflammation
Tulane School of Medicine
New Orleans, Louisiana

Tricia Morphew, MSc

Research Analyst/Biostatistician
Morphew Consulting, LLC
Pittsburgh, Pennsylvania

Michael C. Peters MD MAS

Assistant Professor of Medicine
University of California, San Francisco
San Francisco, CA

Brian Schroer, MD

Cleveland Clinic Children's Hospital
Assistant Professor Pediatrics Cleveland Clinic Lerner College
of Medicine.
Cleveland, Ohio

Roma Sehmi, PhD

Department of Medicine
McMaster University
Hamilton, Ontario, Canada

Jonathan D. Skoner, O.D., FIAOMC

Founder, Ortho Eyes
McMurray, Pennsylvania
Private Practice, Pediatric & Adult Vision Care,
Wexford, Pennsylvania

Disclosure of Significant Relationships with Relevant Commercial Companies

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) and the policy of Allegheny General Hospital, presenters must disclose all relevant financial relationships, which in the context of their presentation(s), could be perceived as a real or apparent conflict of interest, (e.g., ownership of stock, honorarium, or consulting fees).

Any identifiable conflicts will be resolved prior to the activity. Any such relationships will be disclosed to the learner prior to the presentation(s).

Thursday, October 25

1:00 p.m.

Registration/Visit Exhibits

1:30 p.m.

Welcome Remarks and Introduction

David Skoner, MD

Symposium: Corticosteroid Safety

Moderator: David Skoner, MD

1:40 p.m.

Update on corticosteroid safety and the growth of children

David Skoner, MD

2:10 p.m.

William J. Doyle Memorial Lecture

Ophthalmologic side effects of corticosteroids – pathogenesis and monitoring

Jonathan Skoner, O.D., FIAOMC

2:40 p.m.

Steroids Use In Allergy and Asthma: Effect on the Eye

Leonard Bielory, MD

3:10 p.m.

Discussion

3:30 p.m.

Break/Visit Exhibits

3:45 p.m.

Remodeling meets airway hyperresponsiveness

Reynold Panettieri, MD

4:15 p.m.

Novel Insights in Lung Immunity Revealed by Single Cell RNAseq

Jay Kolls, MD

4:45 p.m.

Discussion

5:00 p.m.

Closing Remarks/Adjournment

Friday, October 26

- 7:45 a.m.** *Sponsored Breakfast and Lecture (not for credit)*
- 8:00 a.m.** *Registration, Continental Breakfast, Visit Exhibits*
- 8:45 a.m.** Welcome Remarks and Conference Overview
David Skoner, MD and Sally Wenzel, MD
- 9:00 a.m.** Using relationship centered communication skills to identify and manage barriers to management of patients with asthma
Brian Schroer, MD and Sumita Khatri, MD
- 10:00 a.m.** The Feto-Placental Unit: A New Target for Primary Prevention of Asthma?
Giovanni Piedimonte, MD
- 10:30 a.m.** Discussion
- 11:00 a.m.** *Industry Sponsored Lunch or Lunch on your own (not for credit)*
Symposium: School and community-based initiatives to improve asthma outcomes
Moderator: Deborah Gentile, MD
- 12:00 p.m.** **Gilbert Friday Memorial Lecture**
School and Community Based Interventions to Improve Pediatric Asthma Outcomes in the Pittsburgh Region
Deborah Gentile, MD
- 12:30 p.m.** Very Poorly Controlled Asthma in Urban Minority Children: Lessons Learned
Tricia Morphew, MSc
- 1:00 p.m.** Community Asthma Prevention Program: Connecting Home, School, Healthcare and Community to Improve Asthma Control in Children
Tyra Bryant-Stephens MD
- 1:30 p.m.** Discussion
- 1:45 p.m.** *Break*
- 2:00 p.m.** Fellows' Presentations
Moderator: Reynold Panettieri, MD
- 2:45 p.m.** Medical Survivor: Pediatric Cases
David Skoner, MD
- 3:35 p.m.** *Closing Remarks/Adjournment*

Saturday, October 27

8:00 a.m. *Registration, Continental Breakfast, Visit Exhibits*

Symposium: Non or Low T2 asthma

Moderator: Sally Wenzel, MD

8:30 a.m. Macrolide Therapy in Asthma: T2 or Non T2
Guy Brusselle, MD, PhD, FERS

9:00 a.m. Fat and Flow: the effect of obesity on the pathogenesis of asthma
Anne Dixon, MA, BM BCh

9:30 a.m. Metabolic Dysfunction and Severe Asthma
Michael Peters, MD, MAS

10:00 a.m. Discussion

10:25 a.m. *Break*

Symposium: Severe Eosinophilic Asthma

Moderator: Paul O'Byrne, MB, FRCP(C), FRSC

10:45 a.m. **Phil Fireman Lecture**
Molecular phenotyping
Sally Wenzel, MD

11:15 a.m. Innate lymphoid cells
Roma Sehmi, PhD

11:45 a.m. Treatment Options
William Busse, MD

12:15 p.m. Discussion

12:30 p.m. *Industry Sponsored Lunch or Lunch on your own (not for credit)*

1:30 p.m. **PRO/CON Debate**
SABAs should continue to be used as a reliever treatment for mild asthma
PRO: Reynold Panettieri, MD
CON: Guy Brusselle, MD

2:10 p.m. Serum Neurotrophins at Birth as Biomarkers of Respiratory and Neurodevelopmental Outcomes of Premature Infants
Giovanni Piedimonte, MD

2:40 p.m. Discussion

2:55 p.m. *Break*

3:15 p.m. **PRO/CON Debate**
Regular exercise improves asthma control
PRO: Ann Dixon, MD
CON: William Busse, MD

3:55 p.m. *Closing Remarks and Adjournment*
Giovanni Piedimonte, MD

6:00 p.m. *Conference dinner for registrants, faculty, and guests*

Accreditation

Physicians

Allegheny General Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Allegheny General Hospital designates this live activity for a maximum of 14.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses

For the purpose of recertification, the American Nurses Credentialing Center accepts *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

Non-Physicians

Allegheny General Hospital certifies participation in this educational activity, which has been designated for a maximum of 14.0 *AMA PRA Category 1 Credits™*.

Credit Breakdown

Thursday, October 25	3.0 <i>AMA PRA Category 1 Credits™</i>
Friday, October 26	6.0 <i>AMA PRA Category 1 Credits™</i>
Saturday, October 27	5.0 <i>AMA PRA Category 1 Credits™</i>

Location, Directions, and Accommodations

Nemacolin Woodlands Conference Center Farmington, Pennsylvania

For directions to Nemacolin Woodlands, please visit their website at www.nemacolin.com.

A block of rooms has been reserved at Nemacolin Woodlands at the special conference rate of \$159.00 + tax single/double occupancy for a lodge room and \$209.00 + tax single/double for chateau room. There is no additional charge for children seventeen (17) years of age and under when sharing the same room as the parents and using existing bedding.

A resort fee of \$20.00 per room/per night will also apply. This fee includes valet parking, on-property shuttle service, fitness center access (not inclusive of wet areas) wireless internet, local and toll-free calls, pool access, in-room coffee, newspaper, art tours, tennis, hiking, trail access, and marina access.

In addition, Nemacolin Woodlands is pleased to offer the following:

- 15% discount on merchandise purchases in the Nemacolin Retail Shoppes.
- 10% discount on all resort activities, including golf, spa, and shooting, excluding the Wild Side.

Reservations may be made by calling 1-800-422-2736 or 724-329-8555 (ask for reservations). Please be sure to mention you are with the Allegheny General Hospital Asthma Conference to take advantage of the special conference room rate. The room block is limited; therefore, make reservations as soon as possible! The deadline for making reservations at the above rates is September 25, 2018. After this date, reservations will be accepted on space availability and at the prevailing rate.

Activities

Nemacolin Asthma Conference Dinner Saturday Evening, 6 – 9 p.m

Please join us for an opportunity to meet with fellow registrants, faculty, and guests. We promise you a fun-filled evening. Cost per conference registrant is \$45.00 per person; cost per guest is \$45.00 per person. There is also special pricing for children ages 5–11 years of \$15.00 per child. RSVP on the registration form. Tickets will be with your registration packet.

Refund Policy

A refund of the registration fee, less a \$75 processing fee, will be made when a written request or a telephone request followed by a written confirmation is received prior to October 10, 2018. After this date, refunds will not be made. Fees will not be refunded for failure to attend.

Allegheny General Hospital reserves the right to cancel or postpone any conference because of unforeseen circumstances or insufficient enrollment. In the event of such cancellation, full tuition will be refunded.

Registration Information

The registration fee includes course materials, lunch, and break refreshments.

Fee:

\$425 Physicians

\$200 Residents*, Fellows*, Nurses and Other Health Care Professional

(*must include verification letter from Chief of Service)

Deadline: October 10, 2018

(After this date, registrations will be taken on a space available basis.)

To Register:

To register online, please go to www.aghcme.org.

To register via mail or fax, please complete the registration form and return it with the registration fee:

**Continuing Medical Education
Allegheny General Hospital
320 East North Avenue
Pittsburgh, Pennsylvania 15212-4772
Fax 412.359.8218**

The preferred method of payment is by VISA, MasterCard, American Express or Discover; however checks will be accepted made payable to Allegheny General Hospital.

Additional Information

For additional information concerning the conference, please contact the Continuing Medical Education office by e-mail at rachel.phillips@ahn.org, or by telephone at **412-359-6829**.

REGISTRATION FORM

Registration for 13th Annual Nemaclin International Asthma conference is required. Please complete this registration form and return it with your payment no later than **October 10, 2018**.

Name _____

Degree _____

Specialty _____

Affiliation _____

Address _____

City _____ State _____ Zip _____

E-mail _____

Day Telephone () _____

FAX# () _____

Method of Payment: Credit Card Check

Credit Card Type: Visa MasterCard American Express Discover

Total Amount _____

Credit Card # _____

Exp. Date _____

Billing Address: _____

Signature* _____

** By signing this form, I authorize Allegheny General Hospital to charge my credit card for the above amount. My signature also indicates that I will not dispute this charge in the future through my credit card company.*

If you require assistance with hearing, vision or mobility to make this conference accessible to you, please check this box and contact the CME office at **(412) 359-4952** at least two weeks prior to the conference date.

Continuing Medical Education
Allegheny General Hospital
320 East North Avenue
Pittsburgh, Pennsylvania 15212-4772

Non-Profit
Organization
U.S. Postage

PAID
Pittsburgh, PA
Permit No. 2885

www.aghcmce.org