



CHEST[®] Curriculum Pathway for Asthma

Title: CHEST Curriculum Pathway for Asthma

Chair: Malvika Kaul, MD

Course Description

Start learning with the CHEST Curriculum Pathway for Asthma. Follow the nine paths from start to finish for a comprehensive overview of asthma diagnosis and management. Or, select the individual paths that best fit your daily work and clinical interests. Choose from topics like pathophysiology, exacerbations, and phenotypes.

The pathway offers a variety of bite-sized educational resources you can review in 20 minutes or less. Explore case-based CHEST SEEK® questions, podcasts and videos from asthma experts, and research from the journal *CHEST*®.

Course Objectives

This curriculum is comprised of 8 “Paths,” each intentionally developed by CHEST’s Asthma Pathway Work Group to address the needs of clinicians in all phases of their careers. All activities are open to all clinicians who wish to enhance their practice by learning more about asthma. Progressing through the curriculum will be a different experience for each learner. For example, some learners may start at Path 1 and finish at Path 3, as those are the only topics relevant to their current practice. While other learners may simply need a “refresher” on Mimickers and Comorbidities, for example, in which case they would take Paths 4 and 5. The complete list of Paths is below:

Like a standard CME activity, the CHEST team has identified important learning objectives for each Path. For example:

Path 1, Pathophysiology:

- 1) Recognize the various asthma phenotypes.
- 2) Recognize the biomarkers used to identify the Th2 phenotype.
- 3) Review understanding of asthma pathobiology.

Path 2, Diagnosis & Classification:

- 1) Identify key symptoms and diagnostic criteria for asthma.
- 2) Compare and contrast uncontrolled asthma and severe asthma.
- 3) Recognize asthma mimics.
- 4) Differentiate between the proper inhaler technique for the aerosol devices, dry powder inhalers, and nebulizers.

Path 3, Management:

- 1) Recognize the optimal step-wise therapy for patients with persistent asthma.
- 2) Select the most appropriate advanced therapies for severe asthma with Th2 high phenotype.
- 3) Identify options for advanced therapies for patients with severe asthma with Th2 low phenotype.
- 4) Recognize complications associated with chronic oral corticosteroids use and outline a practical approach to management of oral corticosteroids-dependent asthma.

Path 4, Mimickers:

- 1) Recognize mimickers of asthma.
- 2) Differentiate asthma mimickers from true asthma.

Path 5, Comorbidities:

- 1) Recognize comorbidities associated with asthma.
- 2) Identify the best ways to assess, diagnose, and manage common comorbidities associated with asthma.

Path 6, Phenotypes of Asthma:

- 1) Differentiate between phenotypes and endotypes of asthma and how to apply this knowledge directly to the clinical arena.
- 2) Recognize the various asthma phenotypes.
- 3) Differentiate phenotypes of asthma based on information from clinical scenarios.

Path 7, Exacerbations:

- 1) Discuss how to triage patients with asthma exacerbations to determine severity.
- 2) Identify appropriate treatment for asthma exacerbations.
- 3) Apply advanced interventions, including mechanical ventilation and extracorporeal life support, in cases of severe or near-fatal asthma.

Path 8, Other (Special Situations):

- 1) Outline a pragmatic framework for the evaluation and management of pediatric patients with severe asthma.
- 2) Review choices for advanced therapy options for pediatric patients with severe asthma.
- 3) Recognize possible complications from chronic therapies, such as systemic corticosteroids, prescribed in patients with asthma.
- 4) Identify potential complications of asthma care.

Path 9, Optional Learning Path:

- 1) Define asthma, its epidemiology, and risk factors.
- 2) Demonstrate proper use of inhalers and nebulizers.
- 3) Diagnose to treat cases of severe asthma.

Participation Feedback

The participation threshold or passing standard for this course includes learner completion of the final self-assessment and learner completion of the CME credit evaluation, including the identification of what changes the learner expects to make in practice due to participation in this course.

Maintenance of Licensure

Maintenance of Credit (MOC) offered in Pulmonary Medicine Education.

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The following faculty/planner members of this course have disclosed to CHEST that they have a relevant financial relationship with a commercial interest as it relates to the course:

Name	Role	Disclosure
Sandra G. Adams, MD, MS, FCCP	Planner	Educational/grant research support: Educational/grant research support: AstraZeneca, Boehringer Ingelheim, GlaxoSmithKline, and Sunovion Founder and president: WipeDiseases Foundation
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Alvise Berti, MD	Planner	Fellowship grant: Vasculitis Clinical Research Consortium
Christy Cappelletti, PharmD	Planner	Employee and stockholder: AstraZeneca
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		Academy Grant research: Bristol Myers Squibb, Global Blood Therapeutics, and Pulmonary Fibrosis Foundation Honoraria and advisory: Genentech, Global Therapeutics, and Veracyte Advisory and consultant: Boehringer Ingelheim, InterMune, and Pulmonary Fibrosis (support to National Jewish Health)
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CME/CE CREDIT INFORMATION

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- American Academy of Physical Associates (AAPA)
- The National Commission on Certification of Physician Assistants (NCCPA)

COA

The American College of Chest Physicians confirms that the individual named below has participated in this educational activity.

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Maintenance of Certification Statement

Successful completion of this CME credit course enables the participant to earn up to 20.75 MOC Part 2 Medical Knowledge points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the course. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC points.

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