CHEST CLINICAL IMMERSION PROGRAM
Asthma

LOCATION: CHEST Headquarters
2595 Patriot Boulevard
Glenview, IL 60026

LEARNING OBJECTIVES
• Describe anatomy of the lung, distinguishing airways from lung tissue
• Define asthma, identify who is likely to develop it, and how to diagnose it
• Describe the mechanisms of airway inflammation and obstruction in asthma and how they influence treatment
• Define "phenotypes" of asthma
• Review current treatment guidelines for asthma
• Understand the pathophysiology of asthma and the cover the cytokine cascade in a severe asthma patient (Include IL4, 5, 13, Ige, EOS, FeNO)
• Understand the different conventional therapies that are used to treat asthma (prior to biologics) “standard of care”
• Discuss currently approved treatment options for severe and refractory asthma---specifically pros and cons of the current biologics in the marketplace
• Describe the future of personalized therapy of asthma based on phenotypes, and future targets of therapy
• Demonstrate spirometry and other diagnostic tests that are used in the diagnosis and treatment of asthma
• Review case studies of patients to reinforce different treatment approaches for different types of patients.

Day One

8:30 AM - 8:45 AM  Registration & Breakfast
8:45 AM - 9:00 AM  Introduction and Welcome
9:00 AM - 9:30 AM  1.1 Normal Lung: Anatomy, Airways and Parenchyma, Imaging, Pulmonary Function Tests
9:30 AM - 10:15 AM 1.2 Asthma: Definition, Epidemiology, and Diagnosis
10:15 AM - 10:30 AM Break
10:30 AM - 11:45 AM Living with Asthma
11:45 AM - 12:45 PM Lunch
12:45 PM - 1:45 PM Workshop Rotations
   Spirometry
   FeNO
1:45 PM - 2:15 PM  1.3 Phenotypes, Asthma
2:15 PM - 2:45 PM  1.4 Mechanisms of Asthma and how they influence treatment
2:45 PM - 3:00 PM  Break
3:00 PM - 3:45 PM  1.5 Severe Asthma
3:45 PM – 4:15 PM  
**1.6 Current and Future Treatments of Asthma**

4:15 PM – 5:00 PM  
**1.7 Case Studies: Mild, Moderate and Severe Asthma**

5:00 PM – 5:30 PM  
*What have you learned and Q&A*

*Adjourn*