



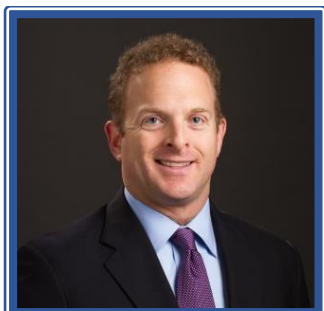
## State CHEST Conference

**YaleCME**  
CONTINUING MEDICAL EDUCATION

Presented by

Yale School of Medicine's Department of Internal Medicine - Section of Pulmonary, Critical Care & Sleep Medicine

# Year in Review Update in Cystic Fibrosis: A Success Story of Personalized Medicine



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**Wednesday, February 19, 2020, 3-4 pm**

Fitkin Amphitheatre

**Moderator: Ashley Losier, MD**

*There is no corporate support for this activity*

This course will fulfill the licensure requirement set forth by the State of Connecticut

### **ACCREDITATION**

The Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### **TARGET AUDIENCE**

Attending physicians, house staff/fellows, medical students, nurses, physician assistants.

### **NEEDS ASSESSMENT**

Cystic fibrosis (CF) is a multisystem disease that is characterized by chronic sinusitis, obstructive lung disease, pancreatic insufficiency, chronic constipation, CF-related diabetes, and CF-related liver disease that contribute to a significantly reduced life span. CF patient outcomes have improved over the past 20 years because of center-based care, improved nutrition, airway clearance therapies, new anti-infectives, and the more recent introduction of modulators that modify specific CF mutations, which represents a new era in personalized medicine for CF. Despite this progress, individuals with CF continue to suffer from chronic lung inflammation and bronchiectasis that cause recurrent pulmonary exacerbations, which are complicated by increasingly drug resistant pathogens. Therefore, there remains a significant need for novel anti-inflammatory and anti-infective treatments.

### **LEARNING OBJECTIVES**

At the conclusion of this activity, participants will learn to:

I. Improved CF outcomes: compare significant improvements in

clinical outcomes over the past 20 years; highlighting important quality improvement projects and the impact of patient advocacy.

2. Personalized medicine in CF: describe CF genetics and the evolution of CFTR "modulators."
3. Novel CF therapies: the potential for bacteriophages to represent a personalized medicine treatment in CF.

### **DESIGNATION STATEMENT**

The Yale School of Medicine designates this live activity for 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

### **FACULTY DISCLOSURES**

Richard Matthay, MD, Course Director – No conflicts of interest

Jon Koff, MD – No conflicts of interest

Gail Stanley, MD – No conflicts of interest

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