

# 2021 Subspecialty Focused Review Course

May 13-15

#ACOI2021

## **Gap Analysis:**

Infectious disease specialists were tasked this year with the rapidly moving landscape of navigating a pandemic response. Before there were guidelines and standards of care for COVID-19, there were treatment trials and failures. Conflicting and, at times contradictory data challenged clinicians even more. Infectious disease specialists now must be well versed on the available credible data regarding preventative measures from supplements to available vaccines, outpatient management strategies, and clinical best practice for inpatient and outpatient care. As clinical trials and therapeutics are reviewed weekly - there continues to be a gap in practice strategies if providers have not remained steadfast in their pursuit of the most updated guidelines and rapidly evolving guidance. This activity will close the gap in a wide range of practice approaches in the management of COVID-19 and focus on the best available data for the current standards of care.

Pulmonologists found themselves on the frontlines in response to the COVID-19 pandemic this past year. As time has evolved, we have watched as those with underlying clinical lung conditions fared worse up against the ravages of this pandemic. Additionally, those who have recovered from COVID-19 may be experiencing a constellation of consequences for their future pulmonary health. Within and outside the realm of COVID there have been strides in the use of noninvasive ventilation strategies in addition to treatment approaches to challenging atypical pulmonary infections. This activity will seek to evaluate the most up-to-date guidance in the assessment and treatment of COVID-related and other pulmonary disorders.

Cardiovascular diseases and complications present as both primary and secondary disorders, and as sequelae of viral infections such as COVID-19. The channel of remaining current with the latest guidelines and best-practice approaches to CV care is significant; now exacerbated by the COVID-19 pandemic. This multi-specialty conference will address key issues related to the CV manifestations of COVID-19 while further exploring key advances in cardiomyopathies and heart failure, CV imaging and electrophysiological assessment and interventions.

## **Learning Objectives:**

After actively participating in this multi-specialty educational activity, participants will be able to:

- Discuss the use of supplements as prophylaxis and treatment of COVID-19 as well as evidence to support their use;
- Review outpatient treatment strategies for COVID-19 including nursing home and extended care facility management of these vulnerable patients;

- Discuss inpatient management of COVID-19 including a review of practices earlier in the pandemic vs. now;
- Update vaccination strategies, compare available vaccines, and reveal data in support of the quest for herd immunity;
- Discuss the impact of COVID-19 on individuals with pre-existing pulmonary conditions;
- Discuss the repercussions of COVID-19 infection on the lungs;
- Investigate expanded clinical uses of noninvasive ventilation including the latest data on heated high flow oxygen delivery.;
- Explore the complexities in treating atypical mycobacterial infections and discuss updated guidelines on therapeutics and management of these cases;
- Identify and respond to vascular presentations of COVID-19;
- Discuss the presentation of COVID-related myocarditis and other cardiovascular manifestations of viral infections;
- Describe atypical presentations of vascular disease encountered by ID and pulmonary physicians;
- Explore the latest imaging options for the diagnosis of structural and other heart disease;
- Summarize the appropriate options for the identification and treatment of electrophysiological disorders of the heart;
- Evaluate the most current treatment approaches for HFpEF and HFrEF.

**Goal/Target Audience:**

The goal of this activity is to provide hospital and community-based pulmonologists, infectious disease specialists, cardiologists (generalists and subspecialists), and other internists with clinical updates designed to integrate best practice standards of patient care with particular emphasis on the impact of the COVID-19 pandemic on these medical specialties.

**Outcomes:** This activity will provide internists and subspecialists updates in three key internal medicine specialties (ID, cardiology, pulmonology) empowering them to optimize their current quality practice management in the context of COVID-19 and its complexities. Pre- and post-session surveys of knowledge, practice behaviors, attitudes, and intent to change behavior (Moore’s Level 5) regarding the applicability of the educational content to clinical practice will be used.

**Activity Format:**

Facilitating learning through cases-driven presentations, guideline updates, evidence, and shared clinical experiences with three key internal medicine specialties (ID, cardiology, pulmonology) will engage learners in a rich educational experience to advance their knowledge and competence across a range of clinical and patient presentations.