Immune Responses to SARS-CoV-2

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Moderator: Margaret Pisani, MD

REMOTE ATTENDANCE ONLY – NO LOCAL AUDIENCE

PC, Mac, Linux, iOS or Android: https://zoom.us/j/94544698749
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CME credit for live event only.
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
The clinical presentation of COVID-19 involves a broad range of symptoms and disease trajectories. Understanding the nature of the immune response that leads to recovery over severe disease is key to developing effective treatments for COVID-19. In this talk, I will discuss immune responses in COVID-19 patients with moderate and severe disease. I will compare viral load, immune phenotype and cytokines that are predictive of mortality, and discuss signatures of cytokines and growth factors that associate with recovery vs. disease exacerbation. I will also discuss sex differences in immunity to SARS-CoV-2 and how such differences correspond to disease outcomes.

LEARNING OBJECTIVES
At the conclusion of this talk, individuals will:
1. Learn about SARS-CoV-2 infection
2. Learn about SARS-CoV-2 immunity
3. Learn about SARS-CoV-2 immunopathology

DESIGNATION STATEMENT
The Yale School of Medicine designates this live activity for 1 AMA PRA Category 1 Credit(s)™. 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
Akiko Iwasaki, PhD – Pure Tech Health, InProTher, 4BIO, Adaptive Biotechnologies, Spring Discovery
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