

# Mayo Clinic COVID-19: Expert Insights and Strategies Online CME

## Aging: The Impact on Immunity During a Pandemic

(Recorded 10/23/2020)

### **Activity Description**

Jessica N. Lancaster, Ph.D., Assistant Professor of Immunology at Mayo Clinic in Arizona discusses the effect of aging on the immune system, and the correlation between biological aging and COVID-19 infection.

### **Target Audience**

Healthcare workers of all specialties who are being impacted by COVID-19, including physicians, research scientists, physician assistants, nurse practitioners, nurses, and anyone with a particular interest in prevention, treatment, and patient care.

### **Learning Objectives**

After completing this module, participants should be able to:

1. Identify the relationship between biological aging and disease
2. Explain the physiology and function of the immune system
3. Apply knowledge of biological aging and the immune system to determine age-associated alterations to the immune system
4. Analyze the correlation between biological aging and COVID-19 infection
5. Identify potential perspectives for immune aging research

Utilization of this Mayo Clinic online (enduring materials) course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be in this course. Attendance at any Mayo Clinic course does not indicate or guarantee competence or proficiency in the skills, knowledge or performance of any care or procedure(s) which may be discussed or taught in this course.

### **Accreditation Statement**



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

### **Credit Statement(s)**

#### **AMA**

The Mayo Clinic College of Medicine and Science designates this enduring material for a maximum of .50 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Disclosure Summary**

As a provider accredited by Joint Accreditation Interprofessional Continuing Education, Mayo Clinic

College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these relevant financial relationships will be published in activity materials so those participants in the activity may formulate their own judgments regarding the presentation.

*Financial relationship(s):*

None

*No Financial relationship(s):*

Jessica N. Lancaster, Ph.D.

*Reference to off-label usage(s) of pharmaceuticals or instruments in their presentation:*

None

For disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee member(s) and staff, please go here to [review disclosures](#).

**Mayo Clinic Disclaimer**

Participation in this Mayo Clinic educational activity does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course. You should be aware that substantive developments in the medical field covered by this recording may have occurred since the date of original release.

**Prerequisites for Participation**

There are no prerequisites needed prior to participating in this education activity.

**How to Obtain Credit**

Complete the quiz and submit for credit.

**Method of Participation**

Participation in this activity consists of reviewing the online course and completing the post-test.

**Release and Expiration Dates**

Release Date: November 16, 2020

Expiration Date: July 14, 2023

**Acknowledgement of Commercial Support**

This educational activity is supported in part by an independent medical education grant from **Pfizer Inc.** and is in accordance with ACCME guidelines.

**Faculty and Course Director Listing and Credentials**

Course Director

Devyani Lal, M.D.

Faculty:  
Jessica N. Lancaster, Ph.D.

**Copyright**

Mayo Foundation for Medical Education and Research. All rights reserved. Copyright 2020