

# COVID 19



Keeping Up with a Moving Target



# CME Information

**Jointly provided by Postgraduate Institute for Medicine, DKBmed, and the Institute for Johns Hopkins Nursing.**

## Disclosure of Conflicts of Interest

Postgraduate Institute for Medicine (PIM) requires instructors, planners, managers, and other individuals who are in a position to control the content of this activity to disclose any real or apparent conflict of interest (COI) they may have as related to the content of this activity. All identified COI are thoroughly vetted and resolved according to PIM policy. PIM is committed to providing its learners with high quality activities and related materials that promote improvements or quality in healthcare and not a specific proprietary business interest of a commercial interest.

The faculty reported the following financial relationships or relationships they or their spouse/life partner have with commercial interests related to the content of this continuing education activity:

Name of Faculty or Presenter	Reported Financial Relationship
Paul G. Auwaerter, MD, MBA, FIDSA	JNJ: Ownership equity Scientific Consulting: Verily, EMD Serono DMSB: Humanigen

Dr. Auwaerter has indicated that he will be referencing the unlabeled or unapproved use of agents currently being investigated in on-going studies and trials, including monoclonal antibodies, antivirals, and several vaccine platforms.

All activity, content, and materials have been developed solely by the activity directors, planning committee members, and faculty presenters, and are free of influence from a commercial entity.



## CME Information

**To attest for CME/CE/AAPA credit, please visit**  
**[COVID19.dkbmed.com](https://COVID19.dkbmed.com)**



# Learning Objectives

- Discuss the likely impact of SARS-CoV2 infection in the near future



## Thank You

This activity is supported by an educational grant from Gilead Sciences, Inc. and in-kind support by DKBmed LLC

All activity content and materials have been developed solely by the activity directors, planning committee members, and faculty presenters.

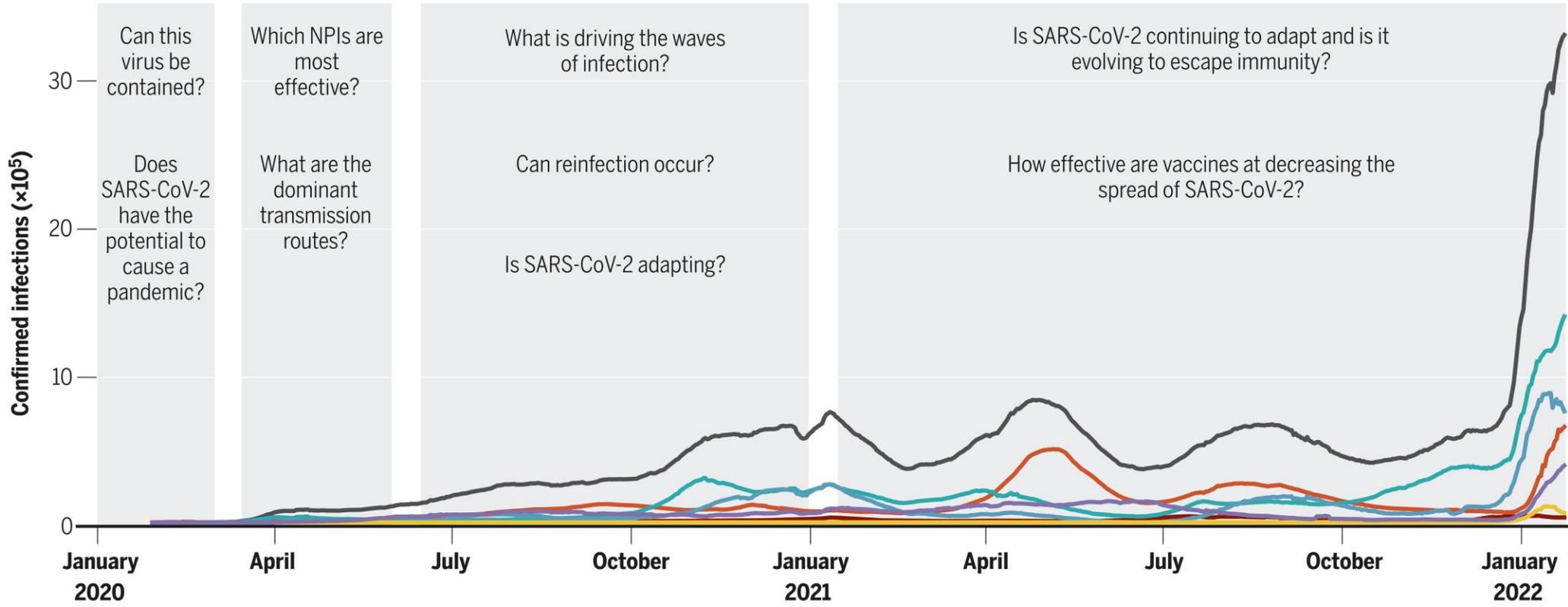
Please see **COVID19.DKBmed.com** for additional resources and educational activities



**Paul Auwaerter, MD, MBA, FIDSA**  
Clinical Director, Division of Infectious Diseases  
Sherrilyn and Ken Fisher Professor of Medicine  
Fisher Center for Environmental Infectious Diseases  
Johns Hopkins University School of Medicine

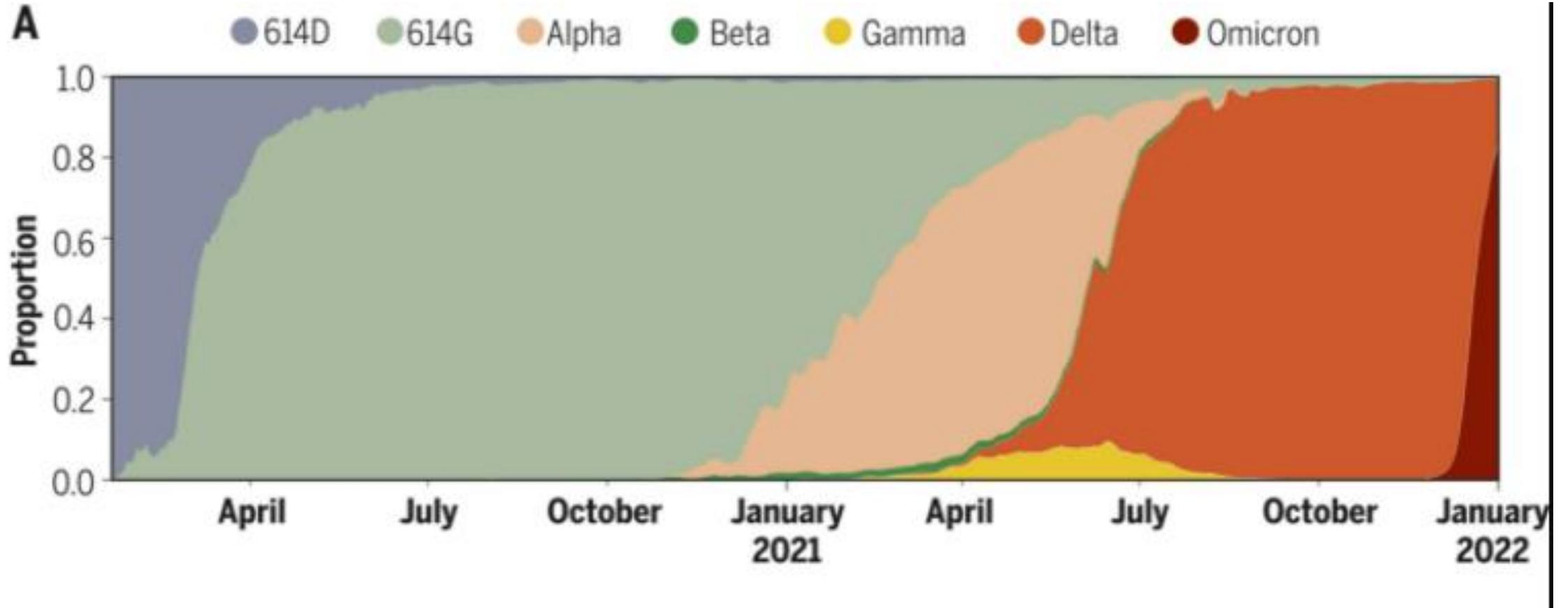
# What Lessons Learned From the Pandemic?

- 1) emerging pandemic    2) flattening the curve    3) riding out the waves    4) vaccines and variants
- Worldwide    ● Europe    ● North America    ● Asia    ● South America    ● Oceania    ● Africa



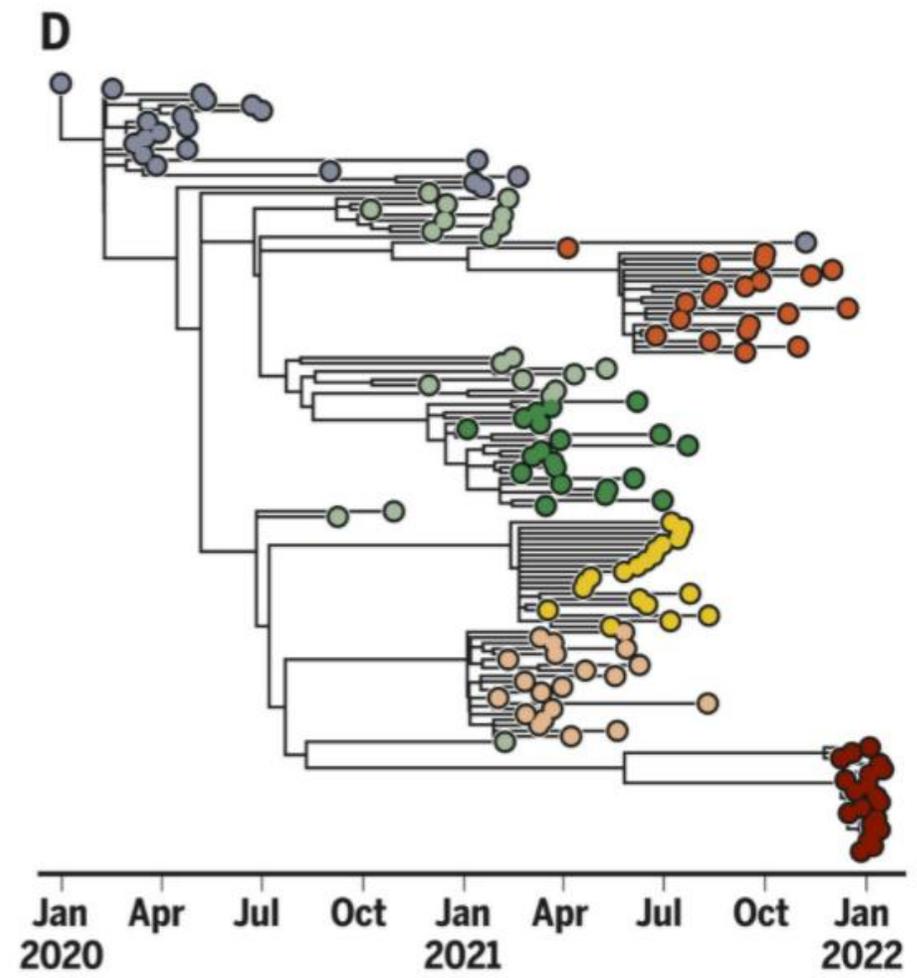
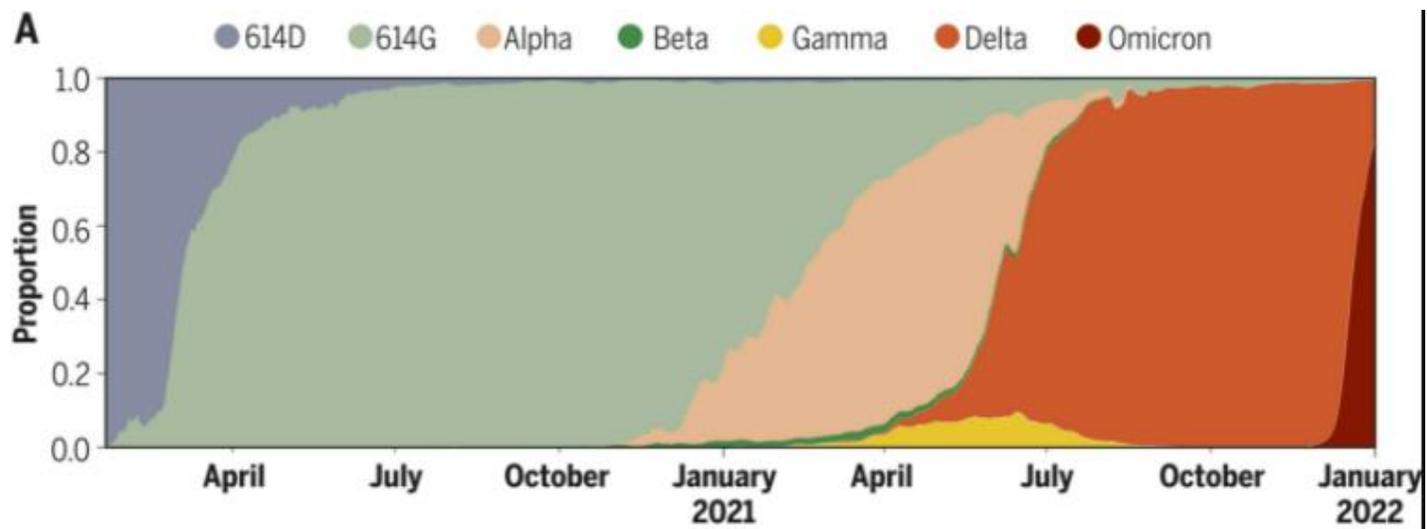
Koelle, Science 2022; 375(6585): 1116-1121.

# WHO Variants of Concern



Koelle, Science 2022; 375(6585): 1116-1121.

# WHO Variants of Concern



Koelle, Science 2022; 375(6585): 1116-1121.

Successful variants with increasing transmissibility

Increasing population immunity = less severe health impact

- Likely become infection of younger ages first → immunity

Future successful variants' advantage from escaping protective immunity

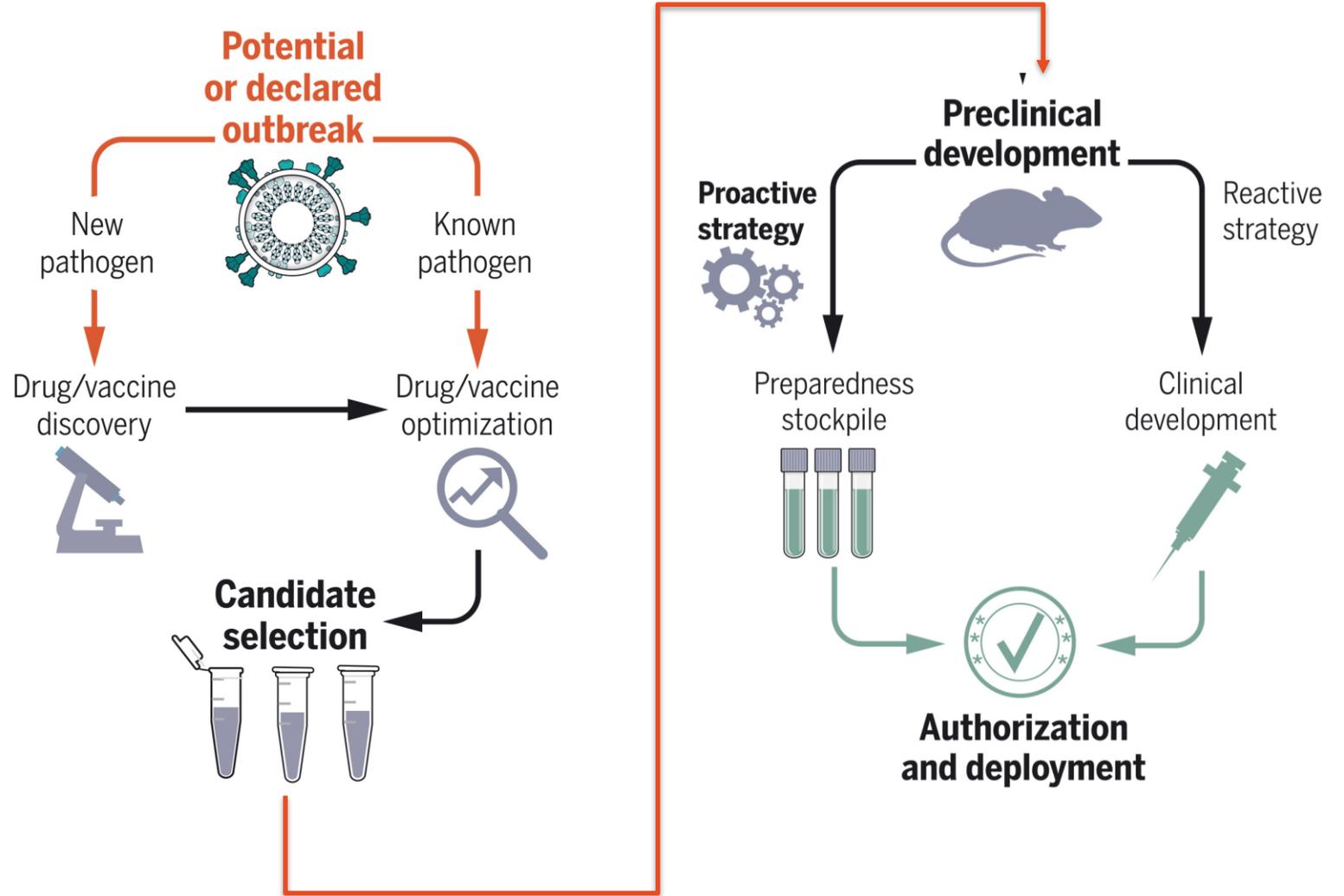
- For example, seasonal influenza

Vaccines/boosters, monoclonal antibodies, antiviral drugs to help protect from severe infection

# Taking a Look Back

What we've learned from SARS-CoV-2 Pandemic

Can we be better prepared?





**How does immunity after infection compare with immunity after vaccination?**



**Now that we have oral antivirals and assuming they are becoming more available, is there a role for monoclonal antibodies for treatment of mild to moderate COVID-19?**



# Thank You!

**To receive CME/CE/AAPA credit:**

Complete the evaluation on at [COVID19.DKBmed.com](https://COVID19.DKBmed.com)

Upon registering and successfully completing the activity evaluation, you will have immediate access to your certificate.

**To access more resources related to COVID-19:**

- Access our resource hub at [COVID19.DKBmed.com](https://COVID19.DKBmed.com)

**To ask your own question, email:**

- [QA@dkbmed.com](mailto:QA@dkbmed.com)