

What Is the Antibody Response and Role in Conferring Natural Immunity After SARS-CoV-2 Infection? Rapid, Living Practice Points From the American College of Physicians (Version 1).

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recent relevant publications). Dr. Marcucci participated in the discussion of the practice points but was recused from authorship and voting due to a moderate-level conflict of interest (author of relevant systematic review [forthcoming]). A record of disclosures of interest and management of conflicts is kept for each SMPC meeting and conference call and can be viewed at www.acponline.org/about-acp/who-we-are/leadership/boards-committees-councils/scientific-medical-policy-committee/disclosure-of-interests-and-conflict-of-interest-management-summary-for-scientific-medical-policy. Disclosures can also be viewed at www.acponline.org/authors/icmje/ConflictOfInterestForms.do?msNum=M20-7569.

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16 3 2021 378804 M20-7569 02 04 2021 07 04 2021 10 11 2023 2021 American College of Physicians This article is made available via the PMC Open Access Subset for unrestricted re-use for research, analyses, and text and data mining through PubMed Central. Acknowledgement of the original source shall include a notice similar to the following: "© 2020 American College of Physicians. Some rights reserved. This work permits non-commercial use, distribution, and reproduction in any medium, provided the original author and source are credited." These permissions are granted for the duration of the COVID-19 pandemic or until permissions are revoked in writing. Upon expiration of these permissions, PMC is granted a perpetual license to make this article available via PMC and Europe PMC, consistent with existing copyright protections. Summary for Patients: What is the Antibody Response and Role in Conferring Natural Immunity After SARS-CoV-2 Infection? Rapid, Living Practice Points From the American College of Physicians (Version 1) 16 3 2021 P21-0004 Annals of Internal Medicine PMC8017475 33721515 Antibody Response After SARS-CoV-2 Infection and Implications for Immunity 16 3 2021 M20-7547 Annals of Internal Medicine 10.7326/M20-7547 PMC8025942 33721517 Antibody tests for SARS-CoV-2, the virus that causes COVID-19, are widely available. These practice points help clinicians, patients, and public health professionals understand how to use and interpret these results on the basis of the available evidence. The practice points will be updated as more evidence becomes available.

Description: The widespread availability of SARS-CoV-2 antibody tests raises important questions for clinicians, patients, and public health professionals related to the appropriate use and interpretation of these tests. The Scientific Medical Policy Committee (SMPC) of the American College of Physicians developed these rapid, living practice points to summarize the current and best available evidence on the antibody response to SARS-CoV-2 infection, antibody durability after initial infection with SARS-CoV-2, and antibody protection against reinfection with SARS-CoV-2.

Methods: The SMPC developed these rapid, living practice points based on a rapid and living systematic evidence review done by the Portland VA Research Foundation and funded by the Agency for Healthcare Research and Quality. Ongoing literature surveillance is planned through December 2021. When new studies are identified and a full update of the evidence review is published, the SMPC will assess the new evidence and any effect on the practice points.

Practice Points: Practice Point 1: Do not use SARS-CoV-2 antibody tests for the diagnosis of SARS-CoV-2 infection.

Practice Point 2: Antibody tests can be useful for the purpose of estimating community prevalence of SARS-CoV-2 infection.

Practice Point 3: Current evidence is uncertain to predict presence, level, or durability of natural immunity conferred by SARS-CoV-2 antibodies against reinfection (after SARS-CoV-2 infection).