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Ivermectin's Role in the Prevention of COVID-19: A Systematic Review and Meta-Analysis

March 2023 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?

This systematic review was performed to determine the population that benefited from prophylactic ivermectin. Seven databases of health-related studies were searched for eligible trials without language restrictions. Randomized controlled trials (RCTs) and cohort studies investigating ivermectin for coronavirus disease 2019 (COVID-19) prevention were included. Data were pooled using a random-effects model and subgroups were analyzed by study type and the pre- or post-exposure population. The certainty of the evidence was determined by the Grading of Recommendations Assessment, Development and Evaluation approach. Four RCTs and four cohort studies with a moderate to high risk of bias were included in the analysis. Learners who complete this activity will be able to interpret the available evidence of using ivermectin as pre- and/or post-exposure prophylaxis for severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection in different populations.



ACPE Accreditation Statement

The American College of Clinical Pharmacology® is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education.

UAN: 0665-0000-23-003-H01-P– ACPE 1 Contact Hours

Activity Type: Knowledge-based **Format:** Home-study **Target Audience:** 'P'



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ACCME Designation Statement

The Accreditation Council for Continuing Medical Education designates this journal CE activity for 1 *AMA PRA Category 1™* credit. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Target Audience

Interprofessional team of Physicians, Pharmacists and PhDs.

Learning Objectives

After completing this activity, the learner will be able to:

1. Explain the general spectrum of activity of ivermectin;
2. Interpret available evidence on the prophylactic role of ivermectin against SARS-CoV-2;
3. Recognize the limitation on ivermectin's protective effects of SARS-CoV-2;
4. Recognize the safety profile of ivermectin.

Requirements to Receive Credit

To receive continuing education credit, the learner must register for the educational activity, study the provided journal article and complete the online learning Post-event Self-assessment, as well as the online course Evaluation and CME/CPE Certificate. Credits and CME/CPE Certificates must be claimed

within thirty (30) days of completing the article, Post-event Self-Assessment and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Article Selection: Joseph S. Bertino Jr, PharmD, Editor-in-Chief, *The Journal of Clinical Pharmacology*, planner for this educational activity, has no relevant relationship(s) with ineligible companies to disclose.

Planners: Jiajun Liu, PharmD, Pharmacometrics Reviewer, US Food & Drug Administration, planner for this educational activity, has no relevant relationship(s) with ineligible companies to disclose.

CE Reviewer: Gagandeep Kwatra, MD, Professor & Head Dept of Pharmacology, Christian Medical Coll & Hosp, reviewer for this educational activity, has no relevant relationship(s) with ineligible companies to disclose.

Schedule & Fees

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Home Study Initial Release and Expiration Dates

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Expiration Date: 03/01/2026

System Requirements

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