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Pharmacological Predictors of Morbidity and Mortality in COVID-19

October 2021 – *The Journal of Clinical Pharmacology* (JCP)

Why is this article important to you?

The interaction of coronavirus disease (COVID-19) with the majority of common prescriptions is broadly unknown. A retrospective cohort composed of all adult inpatient admissions to our center with COVID-19 was analyzed. Data concerning all antecedent prescriptions were collected and agents brought forward for analysis if prescribed to at least 20 patients in our cohort. Forty-two medications and 22 classes of medication were examined. Groups were propensity score matched and analyzed by logistic and linear regression. The majority of medications did not show a statistically-significant relationship with altered disease outcomes. Learners that complete this activity will be able to learn how to identify medications associated with altered disease outcomes in COVID-19.



Joint Accreditation Statement

In support of improving patient care, the American College of Clinical Pharmacology® (ACCP) 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.

UAN: JA4008220-0000-21-044-H01-P– ACPE 1 Contact Hours

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

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. Evaluate existing knowledge gaps within the scientific literature on how commonly-prescribed medications may alter risk stratification and clinical outcomes in patients with COVID-19;
2. After completing this activity, the learner will be able to identify specific medications or classes of medications prescribed in patients with COVID-19 at the time of hospital admission that are associated with changes in morbidity and mortality;
3. Guide healthcare providers in determining whether or not antecedent prescriptions in patients with COVID-19 should be continued in the absence of alternative acute contraindications at the time of hospital admission;
4. Explain how data from retrospective cohort studies inform the design of future studies appropriately powered to examine the effect of specific medications on risk stratification and clinical outcomes in patients with COVID-19.

Requirements to Receive Credit

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In order 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, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting LLC. Nothing to disclose.

Planners: Hisham Qosa, PhD, Clinical Pharmacologist, US Food & Drug Administration and Scott Akers, PharmD, PhD, Professor & Chair, Lipscomb Univ Coll of Pharmacy. Nothing to disclose.

CE Reviewer: John Thomas Callaghan, MD, PhD, Associate Professor, Dept of Veterans Affairs. Nothing to disclose.

Schedule & Fees

JCP monthly Journal CE articles are generally released on the 1st or 2nd Tuesday of each month. They are priced in packages of January to December for each year. Packages are available at no cost to ACCP Members and \$75/calendar year to Non-members. Once you register, you have access to all of the Journal CE articles for the calendar year.

Acknowledgement of Financial Support

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Home Study Initial Release and Expiration Dates

Date of Issuance: 10/01/2021

Expiration Date: 12/31/2023

Helpful Tips

Download the article and access the Self-assessment Post-test, Evaluation and Certificate [here](#).

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