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***Pharmacokinetic Enhancement of HIV Antiretroviral Therapy During Pregnancy***  
December 2020 – *The Journal of Clinical Pharmacology* (JCP)

## ***Why is this article important to you?***

Pharmacokinetic boosting of antiretroviral (ARV) therapies with either ritonavir or cobicistat is used to achieve target drug exposure, lower pill burden and provide simplified dosing schedules. Several ARVs require boosting, including the integrase inhibitor elvitegravir, as well as protease inhibitors such as darunavir, atazanavir and lopinavir. The use of boosted regimens in pregnant women living with HIV has been studied for a variety of ARVs; however, a recent recommendation by the US Food & Drug Administration advised against cobicistat-boosted regimens in pregnancy due to substantially-lower drug exposures observed in clinical pharmacokinetic studies. Learners that complete this course will be able to review pharmacokinetic enhancement of ARVs with ritonavir and cobicistat during pregnancy and postpartum, describe clinical implications, and provide recommendations for future research.



## **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: JA4008220-0000-20-054-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, PhDs and Students.

## **Learning Objectives**

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

1. Evaluate ritonavir and cobicistat to boost other antiretroviral drugs during pregnancy;
2. Apply the pharmacokinetic changes during pregnancy and their impact on antiretroviral drugs;
3. Discuss how antiretroviral drug boosting during pregnancy can prevent viral resistance development.

## **Requirements to Receive Credit**

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](mailto:CE@ACCP1.org) with any questions.

## **Disclosures:**

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Article Selection: Joseph S. Bertino Jr, PharmD, FCP, FCCP, Editor-in-Chief, JCP and Owner, Bertino Consulting Inc. Nothing to disclose.

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CE Reviewer: Mirshad PV, PhD, Associate Professor, Pharmacology, MES Medical Coll, Perinthalmanna, Kerala, India. Nothing to disclose.

### **Schedule & Fees**

JCP monthly Journal CE articles are generally released on the 1<sup>st</sup> or 2<sup>nd</sup> 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**

No financial support was received for this educational activity.

### **Home Study Initial Release and Expiration Dates**

**Date of Issuance:** 12/01/2020

**Expiration Date:** 12/31/2022

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### **Helpful Tips**

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

Learn how to print your CME/CPE Certificate [here](#).

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