

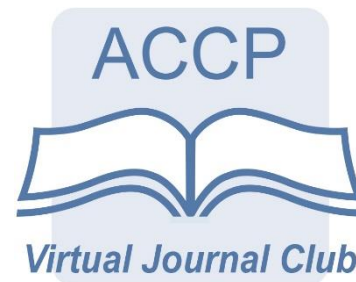
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Toward Better Understanding of Insulin Therapy by Translation of a PK/PD Model to Visualize Insulin and Glucose Action Profiles

2019 ACCP Virtual Journal Club Webinars

Live Session: Wednesday, June 26, 2019 from 2:00pm to 3:00pm ET

On Demand: June 26, 2019 to June 26, 2022



Why is this webinar important to you?

Insulin replacement therapy is a fundamental treatment for the management of glycemic control in patients with diabetes. The engineering of insulin analogues has focused on providing formulations with time-action profiles that mimic the pattern of physiological insulin secretion that normally occurs in healthy individuals without diabetes. Complex models describing the dynamics of insulin and glucose regulation over time in patients with diabetes have characterized the insulin and glucose profiles associated with a wide variety of available insulin treatment options. A model-based tool with a user-friendly interface that enables the visualization of the time course of insulin concentrations and the associated glucose action profiles may be helpful to healthcare practitioners by serving as a means to ease and enhance comprehension of the impact of insulin treatments on glucose profiles. Visualizations of insulin and glucose response to various insulin formulations and patient factors may help healthcare practitioners better understand how insulin regimens may meet the needs of patients over a wide range of treatment modalities and patient population scenarios.

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: 0238-0000-19-034-L/H01-P – ACPE 1 Contact Hours

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



ACCME Accreditation Statement

The American College of Clinical Pharmacology is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



ACCME Designation Statement

The Accreditation Council for Continuing Medical Education designates this live and enduring 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, Nurse Practitioners and Physician Assistants.

Learning Objectives

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

- 1) Learn the development of an integrated PK/PD model as a visualization tool to understand insulin concentration profiles and glucose response in the management of diabetes with insulin therapy;
- 2) Understand the combined impact of various subcutaneous insulin formulations, dosing regimens and patient factors on time course of insulin concentration and associated blood glucose response;

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- 3) Identify the various clinical scenarios where an integrated PK/PD model may be utilized to evaluate dosing decisions for diabetes management with insulin therapy.

Requirements to Receive Credit

In order to receive continuing medical education (CME) or continuing pharmacy education (CPE) credit, the learner must register for the educational activity, study the provided journal article, attend the Live webinar or view the On Demand webinar, complete the online learning Self-assessment Post-test 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 webinar, Post-test and Evaluation. Contact CE@ACCP1.org with any questions.

Disclosures:

Author/Faculty: Karen Schneck, PharmD, Research Scientist, Eli Lilly & Co, Pharmacometrics, has nothing to disclose related to this educational content.

Moderator/Planner: Snehal Samant, MS, PhD, Clinical Pharmacology Reviewer, US Food & Drug Administration, Office of Clinical Pharmacology, has nothing to disclose related to this educational content.

CE Reviewer: Alexander Prokopienko, PharmD, Clinical & Translational Science Fellow, Univ of Pittsburgh School of Pharmacy, Clinical Pharmaceutical Sciences, has nothing to disclose related to this educational content.

Schedule & Fees

ACCP webinar programs occur several times per year. Registration for the webinars are required but are free of charge to all learners.

Acknowledgement of Financial Support

No financial support was received for this educational activity.

Home Study Initial Release and Expiration Dates

Date of Issuance: June 26, 2019

Expiration Date: June 26, 2022

Helpful Tips

For best audio and visual quality, we recommend viewing the webinar in the Chrome browser. If you do not have Chrome, you may download it [here](#).

Test your browser compatibility before the webinar by clicking [here](#).

Download the article and slide handouts and access the webinar [here](#).

For help during the webinar, please call (571) 291-3493 ext 4.

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