

CONCEPTS IN CLINICAL PHARMACOKINETICS



WEB-BASED CONTINUING EDUCATION COURSE FROM THE UNIVERSITY OF GEORGIA

How to Contact Us:

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How Does *Concepts in Clinical Pharmacokinetics* Work?

OPTION #1: APPLICATION-BASED

Concepts in Clinical Pharmacokinetics Web-Based Continuing Education Course

This is a self-paced, self-study, 15-week program in the fundamental principles of absorption, distribution, metabolization, and elimination of drugs from the human body. This online kinetics course will help you expand your knowledge in pharmacokinetics! These basic concepts, along with mathematical equations, are broken down to their simplest forms and a step-by-step approach is adopted to explain the “how to” of this discipline. The pharmacokinetics training approach allows you to gain a greater comprehension of the subject matter, which allows adaption of concepts to specific drug dosing situations. You will also enjoy clinical correlates to help you link fundamental kinetic models to specific applications. The clinical correlates highlight either a mathematical or clinical point, helping you avoid making simple mistakes.

This course is designed primarily for practicing pharmacists and others already working in the pharmaceutical industry wanting to obtain a well-rounded and in-depth knowledge of clinical pharmacokinetics. You don't need to be an expert computer user to benefit from this online course, but you will need some basic skills and resources. You will need access to a computer with a recent web browser program and an active connection to the Internet. If you can use a web browser and an email program, you will find this course easy to use. Your web browser will need *Macromedia Flash Player* in order to view and make use of all of the media presented in this course.

The Requirements

To receive **continuing pharmacy education credit**, you must complete the following assignments within 15 weeks of issuance of course access details (i.e., a “Welcome” email containing the course URL, username and password):

1. You must post a minimum of 22 discussion responses from Lessons 1-11.
2. You must successfully complete the end-of-lesson quizzes (Lessons 1-11) with a score of 70% or better.
3. You must successfully complete the online capstone examination a score of 70% or better. You have one attempt to successfully complete the multiple-choice capstone examination with a score of 70% or better.
4. You must make a request for CE credit* and complete the course evaluation.

Statements of credit will be issued within 6 weeks of the activity; no partial credit will be given.



The University of Georgia
Center for Continuing Education

*Continuing pharmacy education credits are available only to licensed pharmacists; all others (i.e., non-Pharmacists) will earn University of Georgia Continuing Education Units (CEUs).

Prerequisite: There are no formal prerequisites for Option #1. It is recommended that you have previous training or experience in pharmacy and that you are comfortable working with mathematics at a pre-calculus level.

Contact Hours: 20

ACPE Number: 0014-9999-10-156-H01-P

Activity Type: Application-Based

Release Date: August 1, 2010

Expiration Date: August 1, 2013

OPTION #2: PRACTICE-BASED

Concepts in Clinical Pharmacokinetics Online Certificate Program

This course delivers all of the features of Option #1 in addition to **expanding your knowledge** of the pharmacokinetic concepts. These concepts are further illustrated by application to clinical dosing cases, including **Aminoglycosides, Vancomycin, Theophylline, Digoxin, and Phenytoin**. These cases are designed to show the easily understandable step-by-step approach for performing appropriate clinical dosing consults. This course also delivers expanded coverage of renal disease glomerular filtration rates estimates for drug dosing.

The Requirements

To receive **continuing pharmacy education credit**, you must complete the following assignments associated with Lessons 1-11 and the online capstone examination within 15 weeks of issuance of course access details (i.e., a "Welcome" email containing the course URL, username and password.):

1. You must post a minimum of 22 discussion responses from Lessons 1-11.
2. You must successfully complete the end-of-lesson quizzes (Lessons 1-11) with a score of 70% or better.
3. You must successfully complete the online capstone examination a score of 70% or better. You have one attempt to successfully complete the multiple-choice capstone examination with a score of 70% or better.
4. You must make a request for CE credit* and the complete the course evaluation.

After completing the capstone exam, you will have up to three months to concentrate on the Cases**:

5. You must post discussion responses to each of the Cases (Lessons 12-15)
6. You must successfully complete the end-of-Case quizzes (Lessons 12-15) with a score of 70% or better

Statements of credit will be issued within 6 weeks of the activity; no partial credit will be given.

Prerequisite: Option #2 is primarily intended for practicing pharmacists and requires demonstration of competence in clinical pharmacokinetics in an actual patient care setting. You must be a licensed pharmacist and you must have access to patient care during the duration of the course.

Contact Hours: 30

ACPE Numbers: 0014-9999-10-156-H01-P and UAN 0014-9999-10-157-H-01-P

Activity Type: Application-Based and Practice-Based

Release Date: August 1, 2010

Expiration Date: August 1, 2013

**Continuing pharmacy education credits are available only to licensed pharmacists; all others (i.e., non-Pharmacists) will earn University of Georgia Continuing Education Units (CEUs).*

***A Certificate of Mastery is only reserved for licensed pharmacists.*

OPTION #3: PRACTICE-BASED

Clinical Pharmacokinetics Online Certificate Program for Advanced Practitioners

This course assumes you have the foundational knowledge in place by the prerequisite capstone examination component. The online program expands your knowledge of the pharmacokinetic concepts. These concepts are further illustrated by application to clinical dosing cases, including **Aminoglycosides, Vancomycin, Theophylline, Digoxin, and Phenytoin**. These cases are designed to show the easily understandable step-by-step approach for performing appropriate clinical dosing consults. This course also delivers expanded coverage of renal disease glomerular filtration rates estimates for drug dosing.

The Requirements

To receive **continuing pharmacy education credit**, you must complete the following assignments within 3 months of issuance of course access details (i.e., a "Welcome" email containing the course URL, username and password.):

1. You must successfully complete the online capstone examination a score of 70% or better. You have one attempt to successfully complete the multiple-choice capstone examination with a score of 70% or better.

After completing the capstone exam, you will concentrate on the Cases:

2. You must post discussion responses to each of the Cases (Lessons 12-15).
3. You must successfully complete the end-of-Case quizzes (Lessons 12-15) with a score of 70% or better.
4. You must make a request for CE credit* and the complete the course evaluation.

Statements of credit will be issued within 6 weeks of the activity; no partial credit will be given.

Prerequisite: Option #3 is primarily intended for practicing pharmacists and requires demonstration of competence in clinical pharmacokinetics in an actual patient care setting. You must be a licensed pharmacist and you must have access to patient care during the duration of the course.

Contact Hours: 15

ACPE Numbers: 0014-0016 and 0014-9999-10-157-H-01-P

Activity Type: Practice-Based

Release Date: August 1, 2010

Expiration Date: August 1, 2013

OPTION #4:

Online Course for Pharmacy Schools

Does your pharmacy school require a distance-based kinetics course for your Pharm.D. program? Does your pharmacy school require an alternative remedial option for your matriculating undergraduate students? Perhaps this course is your solution!

Prerequisite: It is recommended that you have previous training or experience in pharmacy and you are comfortable working with mathematics at a pre-calculus level. This non-credit, continuing education format is reserved for pharmacy schools requiring a distance-based kinetics course for their Pharm.D. program or an alternative remedial pharmacokinetics program option for matriculating undergraduate students. Please contact questions@georgiacenter.uga.edu or telephone +1-706-542-3537 for details on college of pharmacy enrollments!

*Continuing pharmacy education credits are available only to licensed pharmacists; all others (i.e., non-Pharmacists) will earn University of Georgia Continuing Education Units (CEUs).



The University of Georgia College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.



Course details subject to change.

**For more information about the
Concepts in Clinical Pharmacokinetics contact
questions@georgiacenter.uga.edu or dial +1-706-542-3537.**