



GREAT SEMINARS & BOOKS
Geriatric Rehabilitation Education And Training
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CLINICAL PHARMACOLOGY: Implications for Therapists Working with Older Adults



2021

Oklahoma City, OK
September 18-19

Kansas City, MO
November 6-7

Sylvania, OH
(Toledo, OH Area)
December 4-5

Do you want to better understand how medications affect a person's health and ability to function? All medications have both positive and negative effects which potentially impact a patient's ability to function. Therapists who integrate medication knowledge into practice will maximize patient safety, function and outcomes. Medications have a dramatic impact on ADL and IADL function and by knowing these effects therapists have the greatest opportunity to improve function when interfering medications are identified and addressed. The purpose of this seminar is to provide participants with the information required to incorporate pharmacology and medication management into practice with the older adult. Therapists across the acute care and post-acute care continuum are accountable for patient safety inclusive of medication effects on physical function. The seminar format includes interactive lecture; small group discussion; incorporating video and case scenarios to demonstrate medication assessment, management and education. Participants will translate pharmacology knowledge into practice to effectively assess and treat patients while maintaining patient safety. Participants will learn techniques to help monitor patients for intended effects, untoward effects, and side effects in order to assist with safe medication use, medication adherence and reduce hospitalizations related to adverse drug events. Evidence-based resources including the Beers Criteria and communication tools such as CUS will be provided to participants engage in crucial conversations with the patient and the healthcare team to improve safe medication use. The course manual is comprehensive including both print and electronic resources for uses immediately in practice. The participant will take home quick examination tools to identify pharmacology issues in minutes.

FACULTY

Kenneth L Miller, PT, DPT, GCS, CEEAA is a board-certified geriatric specialist, advanced credentialed exercise expert for aging adults and credentialed clinical instructor. He is an assistant professor at the University of North Texas Health Science Center serving in the department of physical therapy. His clinical focus is on best practices and optimal care of the pre-frail and frail populations. Current teaching responsibilities include evidence-based practice, pharmacology and cardiopulmonary rehabilitation.

Dr. Miller is an international and national speaker presenting topics related to gerontology in Australia and across the United States at multiple state and national level conferences including the combined sections meeting and NEXT conferences of the American Physical Therapy Association. He has multiple peer-reviewed publications including topics on patient engagement, clinical pharmacology and nutrition. Additionally, he has had the honor of being a recent guest editor for the Topics in Geriatric Rehabilitation peer-reviewed journal issue focusing on medications and nutrition.

He serves the physical therapy profession as director of practice for the Academy of Geriatric Physical Therapy and additionally as the Chair of the Practice Committee for the Home Health Section of the APTA. In this capacity, he led the development of the Providing Physical Therapy in the Home handbook and other practice related resources.

Most recently is an author of the chapter on pharmacology in a textbook regarding care of older adults called "Physical Therapy for the Older Adult" published by Wolters Kluwer and edited by Dr. Carole Lewis.

OBJECTIVES

- Explain the federal regulations pertaining medications and scope of practice.
- Define pharmacodynamics, pharmacokinetics, polypharmacy, medication errors, and adverse drug events.
- Evaluate older adults experiencing polypharmacy and identify medication effects impacting function.
- Demonstrate use of the Beers List to identify potentially inappropriate drug use in the older population.
- List the commonly prescribed medications (prescription and OTC), their indications and side effects.
- Explain medication adherence and how it relates to adverse drug events and health outcomes.
- Identify adverse drug reactions, side effects, and intended effects of the medications older adults take.
- List the steps involved in and perform a hands-on medication review and reconciliation process.
- Differentiate positive and negative medication effects on physical functioning, pain, endurance, strength, anxiety, depression, balance and risk for falling.
- Prescribe a non-pharmacological therapy program to reduce blood pressure, lower cholesterol and improve depression, anxiety and cognition.

PROGRAM OUTLINE

Day 1

- 7:30AM Registration and Continental Breakfast
- 8:00AM Pre-Test and Introduction – Background, Medical Errors, IOM "To Err is Human Report", APTA/AOTA Position Statements, Regulations, Therapist role in Medication Safety, Medication and Physical Function. Case Scenario - problem solving – fall etiology
- 10:00AM Break
- 10:15AM Patient/client management model examination and evaluation
- Small Group Activity - history and medication review
- Definitions: Pharmacology Basics, Pharmacokinetics, Pharmacodynamics, Drug Use in Older Adults, Common Adverse Drug Reactions (GI symptoms, Falls/Dizziness, sedation, confusion, fatigue and weakness).
- Small Group Activity - Assessment tools – Delirium, Dementia, Depression, Falls/Dizziness, Orthostatic Hypotension
- Non-pharmacological interventions for Orthostatic Hypotension
- 12:30PM Working Lunch (on your own)
- 1:30PM Pain Meds: Opiates, Non-Steroidal Anti-inflammatory Drugs, Tylenol, Corticosteroids, Gabapentinoids, Anti-spasm medications.
- 3:30PM Psychotropics: Depression, Anxiety, Sedatives, Mood stabilizers.
- 4:30PM Break
- 4:45PM Small Group Activity - Assessment tools – Activity Intolerance/Endurance, Strength, Sleep, Anxiety and Pain.
- 5:30PM Interventions – Non-pharmacological interventions for sleep promotion and anxiety management
- 6:00PM Questions and Answers
- 6:30PM Adjourn

Day 2

- 7:30AM Continental Breakfast
- 8:00AM Cardiac Medications, Anticoagulant Medications, Hyperlipemia Medications
- Non-pharmacological interventions to reduce blood pressure and lower cholesterol.
- Small Group Activity – Assessment Tools for DVT and Statin-related myalgia – Wells Criteria for DVT, VTE management Clinical Practice Guideline
- Small Group Activity - Medication Review and Reconciliation Process. Case Scenarios.
- 10:00AM Break
- 10:15AM Pulmonary Medications, Diabetic Medications, Osteoporosis Medications.
- Non-Pharmacological Interventions for diabetes and osteoporosis.
- Small Group Activity - Clinical Decision Making – Case Scenarios
- 12:30PM Working Lunch (on your own)
- 1:30PM Parkinson Medications, Other Medications (Metabolic, Cancer, Anemia, Antiviral/Antibiotic, Neurological, Ortho), Drug-Drug Interactions
- 2:30PM Appropriate use of Medications in the older adult population – Use of the Updated BEERS Criteria (2019).
- Small Group Activity – Case Scenario – Medication Reconciliation
- 3:30PM Break
- 3:45PM Dietary Supplements, Alcohol, Drug-Food Interactions.
- Video – Medication Reconciliation for an older adult
- 4:45PM Patient engagement and adherence tools - Teach Back, transtheoretical model of change and motivational interviewing
- 6:00PM Post Test, Questions and Answers
- 6:30PM Adjourn

LOCATIONS

Additional course information will be provided in a confirmation letter that will be emailed to you at least 3 weeks before the start of the course.

Host: SSM Health - St. Anthony Hospital
Location: Medical Office Building
535 Northwest 9th Street
Oklahoma City, OK 73102
September 18-19, 2021

Host: ProMedica Total Rehab
Location: Flower Hospital
5200 Harroun Road
Sylvania, OH 43560
December 4-5, 2021

The University of Kansas Health System
3901 Rainbow Blvd.
Kansas City, KS 66160
November 6-7, 2021

REGISTRATION

AUDIENCE: Primary Audience - Physical Therapists, Physical Therapist Assistants, Occupational Therapists, Occupational Therapist Assistants. Secondary Audience: Other Rehabilitation Professionals.

LEVEL: This course is at an intermediate level.

FEE: The registration fee includes all course sessions, breaks, continental breakfasts, and course handout.

Oklahoma City, OK - \$545. If postmarked before 9/1/21

Kansas City, KS - \$545. If postmarked before 10/20/21

Toledo, OH - \$545. If postmarked before 11/17/21

LATE REGISTRATION: Postmarked after the above date requires an additional \$25 late fee.

EARLY BIRD: \$495 - If completed registration and payment are received by:

Oklahoma City, OK - August 18, 2021

Kansas City, KS - October 6, 2021

Toledo, OH - November 3, 2021

DISCOUNT PROGRAM: Receive \$25 off your class registration for each GREAT Seminars & Books, Inc. on-site course attended from 2000 to the present up to a maximum of \$200. In order to receive a discount, a copy of each course certificate must accompany registration form. **No discounts will be taken once registration is completed. Additional discount codes may not be used with the Certificate Discount Program.**

CONFIRMATION: A confirmation letter will be sent via email at least 3 weeks prior to the course with local hotels and information. If you do not receive confirmation 2 weeks prior to class, please call to verify your registration. Registrations are not guaranteed until confirmed. Space may be limited, so register early.

CANCELLATION/REFUND POLICY: Cancellations must be received in writing at least two weeks prior to the seminar date for tuition refund less a \$75 administration fee. NO refunds will be made after this date.

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EDUCATIONAL CREDIT: A certificate of attendance for 20 contact hours of educational activity (20 CEUs or 2.0 CEUs depending on how your Practice Act determines CEUs in your state) will be awarded to registrants upon completion of the seminar. Great Seminars and Books is an Approved CE Provider for PTs and PTAs in DC, NY, KY, IL, TX and NC. Approved in OK, AR, MD, and NJ for 20 Clinical Contact Hours. This course is approved by the Florida PT Association for 24 continuing education hours. Our courses also meet the guidelines for approval in PA, SC, AL, VA, IN, AZ, DE, GA, NH, OR, RI, UT, VT and MO. Courses

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LOST CERTIFICATES: Requests for a replacement certificate must be received in writing stating the name and dates of course attended. The cost for a replacement certificate is \$25.

COVID POLICY: We will follow social distancing guidelines and masks will be required as current circumstances dictate. We realize there is a lot of uncertainty around COVID-19 and traveling. If you are concerned about registering, please rest assured that if the event is cancelled or you are unable to attend due to COVID-19, we will promptly refund your registration fees.

5 Easy Ways to Register

WEBSITE Online Registration at: www.greatseminarsandbooks.com

MAIL your registration form with payment to:
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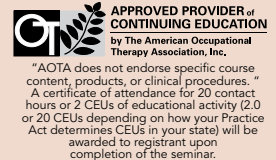
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2021 Registration - Clinical Pharmacology: Implications for Therapists Working with Older Adults

YES! Please register me for: Oklahoma City, OK - September 18-19 Kansas City, KS - November 6-7 Sylvania, OH - December 4-5

Circle One: PT • PTA • OT • COTA • Other _____

PLEASE PRINT

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CLINICAL PHARMACOLOGY:

Implications for Therapists Working with Older Adults



Dr. Kenneth L. Miller
PT, DPT, GCS, CEEAA

[\$545 Value]
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*"where therapists learn and excel
in the care of the
older adult population"*

DID YOU KNOW?

- Certain medications have significant side effects such as tendinopathy or tendon rupture
- Some medications may cause heart failure or vertigo, others cause peripheral neuropathy
- Still other medications cause motor changes that could be permanent if not identified and discontinued
- Non-pharmacological therapy interventions can lower blood pressure and lower cholesterol levels

Here's what our course attendees say:

"Very informative, the speaker was very good with explaining details and making pharmacology easy to understand. Good handouts and videos."

"Great Presenter. Very upbeat and knowledgeable, thank you for making me feel more confident with medication reviews."

"Great speaker. Awesome handout. Concise and straight to the point."

"This course was very informative and interactive."

"Exactly the kind of course I needed."

"Very comprehensive overview of the large pharmacology field that is now a major part of healthcare."