



2017 AKAPTA FALL CONFERENCE

OCTOBER 7-8, 2017

PHARMACOLOGY FOR REHABILITATION SPECIALISTS

Speaker: M. Suzanne Tinsley, PT, PhD, NCS

Course Description

Many patients being referred to therapy are taking prescription and/or over-the-counter medications. Although many of these medications are directly related to their rehabilitation therapy diagnosis, some may not be. What should you know about clinical pharmacology to manage them effectively? We will explore the critical aspects of pharmacology including the principles of pharmacodynamics and pharmacokinetics as well as how to apply these concepts to all drug classifications. We also will discuss specific concepts of the Pharmacology of the Central Nervous System and Autonomic Nervous system, as well as Pharmacology of the peripheral system. This course will provide clinicians with the information on the effect of drug actions on the major body systems, including mechanisms of therapeutic and adverse drug effects, problems involving drug interaction, and variables that modify drugs' effects. Special consideration will be given to many of the drugs most commonly used in treating cardiovascular and neuromusculoskeletal disorders. Using case reports, we will discuss specific effects that have an impact on the rehabilitation management of patients and clients.

Course Objectives

After completing this course, the participant will be able to:

1. Describe the primary pharmacokinetic factors involved in drug therapy (drug administration, absorption, distribution, interaction, and elimination).
2. Describe the primary methods of enteral and parenteral drug administration and the pharmacokinetic properties of each.
3. Explain how altered pharmacokinetics may lead to a decrease or an increase in drug effects, and how these effects may be recognized in patients/clients receiving therapy.
4. Describe the concepts of psychological and physical dependence, tolerance, withdrawal, receptor, sensitivity, and cross-tolerance.
5. Identify the general categories, mechanisms of action, risk-benefit ratio, and implications on physical therapy and occupational interventions for the pharmacological agents routinely prescribed for conditions involving the cardiovascular, neuromuscular, endocrine, pulmonary, and central nervous systems.
6. Identify the possible effects of various drug actions on the effectiveness of physical therapy and occupational therapy interventions and functional outcomes.

Speaker Information

Dr. Tinsley, PT, PhD, NCS received her Master's in Physical Therapy from Texas Woman's University in 1986 and her PhD in Neuropharmacology from Louisiana State University Health Sciences Center-Shreveport in 1999. She is an Associate Professor in the Department of Rehabilitation Sciences and is the current holder of the Charles R Parks Endowed Professorship in Neurological Rehabilitation at Louisiana State University Health Sciences Center-Shreveport. Dr. Tinsley teaches medical pharmacology and Neuroscience in the School of Allied Health Professions. Dr. Tinsley is a Board Certified Neurologic Physical Therapist. She has presented both internationally and nationally as well as numerous continuing education seminars on the topics of pharmacology and neurologic rehabilitation. She has served on the ABPTS Academy of Content Experts. Dr. Tinsley has published in the area of pharmacology and rehabilitation and is an author of a pharmacology textbook for McGraw-Hill Publishing. She has an active clinical practice in the area of neurological rehabilitation as well as an active clinical research agenda. Dr. Tinsley has been honored as a Visiting Scholar at the renowned Valens Rehabilitation Clinic in Valens, Switzerland.



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SCHEDULE

SATURDAY, OCTOBER 7, 2017

7:00 – 8:00 am	Registration & Breakfast With Exhibitors
8:00 – 10:00 am	Course Begins
10:00 – 10:30 am	Break/Exhibit Hall
10:30 am – Noon	Course Continues
12:00 – 1:00 pm	Lunch
1:00 – 3:00 pm	Course Continues
3:00 – 3:30 ppm	Break/Exhibit Hall
3:30 – 5:30 pm	Course Continues

SUNDAY, OCTOBER 8, 2017

7:00 – 8:30 am	Chapter Business Meeting – RSVP Required
8:30 – 10:00 am	Course Continues
10:00 – 10:30 am	Break/Exhibit Hall
10;30 am – Noon	Course Continues
12:00 – 1:00 pm	Lunch
1:00 – 4:30 pm	Course Continues

ALL REGISTRANTS WILL RECEIVE A CERTIFICATE FOR 1.4 CEUs (14 Contact Hours)