

Continuing Education for Healthcare Professionals



COURSE DESCRIPTION:

Physical and Occupational Therapy literature and educational presentations provide sparse coverage of the medications commonly seen in our practices. In addition these sources of information provide only limited coverage of pharmacology principles associated with these medications; specifically pharmacokinetics and pharmacodynamics, and how these relate to therapeutic interventions for our patients.

The aim of this presentation is to introduce some basic principles of pharmacology and then discuss the most commonly seen medications in relationship to basic pharmacology & physiology. The diagnoses and conditions that will be discussed during this lecture include Hypertension, Angina, Heart Failure, Diabetes, and Pain Syndromes.

LEARNING OUTCOMES:

Explain the mechanism of action, organ effects, indications and adverse drug reactions of the major drugs seen in rehabilitation practices

Describe the pharmacologic treatment for major disorders seen in rehabilitation

Identify adverse events and patterns of medication misuse

Outline medical and systems screening questions to help identify adverse drug effects

Analyze case studies to identify impairments that may be improved by or negatively affected by pharmacotherapeutics

Analyze clinical data to determine the positive and negative interactions between drugs and exercise



Pharmacology for Rehabilitation Professionals

INSTRUCTOR:

Dr. Barbara Gladson, PT, OT, PhD has earned a BS from the University of Pennsylvania in Occupational Therapy, a MS degree in Physical Therapy from Columbia and a PhD in Pharmacology from the Rutgers Graduate School of Biomedical Sciences. She is the Associate Dean for Academic Affairs in the School of Health Professions, and the Director of the Rutgers BioPharma Educational Initiative, MS in Clinical Trial Sciences, which educates individuals seeking to enter the Pharmaceutical Industry.



Dr. Gladson's areas of teaching include Medical Pathophysiology, Pharmacokinetics, Cultural Diversity in Clinical Trials and Pharmacology. She has developed several web-based courses and has written textbooks on Pharmacology for the Rehabilitative Professional. Dr. Gladson's research interests include methodology to improve subject recruitment efforts in clinical trials as well as in educating the public on the value of participating in a drug trial.

PROGRAM NUMBER: 10398

CEUs: 0.7 (Contact Hours: 7 hours)

PRICE: \$255 (before/on 9/6/17)
 \$295 (after 9/6/17)

LEVEL: Introductory

DATE: Friday, October 6th, 2017
 8:00 a.m. to 5:00 p.m.

LOCATION: UW-Milwaukee School of Continuing Education
 161 West Wisconsin Avenue, Milwaukee, WI 53203

CONTENT FOCUS:

Domain of OT:
 Areas of Occupation

Occupational Therapy Process:
 Evaluation, Intervention,

AUDIENCE:
 OTs, OTAs, PTs, PTAs, SLPs

QUESTIONS? CONTACT US

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Pharmacology for Rehabilitation Professionals

Instructor: Barbara Gladson, PhD, PT, OTR

Friday, October 6, 2017

Agenda

- 8:00 AM Principles of Pharmacokinetics and Pharmacodynamics
- 10:00 AM Break
- 10:15 AM Pharmacology for Cardiac Conditions
- 12:00 PM Lunch (on your own)
- 1:00 PM Drugs Treatment for Diabetes
- 3:00 PM Break
- 3:15 PM NSAIDs & Opioids
- 5:00 PM Question and Answer; Adjourn