

PHARMACOLOGY LANDMINES IN REHABILITATION

COURSE OBJECTIVES

- 1. Recognize and define the terms frequently used in pharmacology
- 2. Describe how common medications work in the body
- 3. Identify medication side effects and interactions that can affect a patient’s outcomes in rehabilitation
- 4. Discuss ways that dietary supplements can interact with medications
- 5. Identify red flags and adverse effects related to the medications a patient is taking
- 6. Examine solutions to ensure success in rehabilitation in spite of challenges created by medication effects

COURSE DESCRIPTION

This essential one-day seminar will increase attendees’ comfort level with working around medication effects by presenting key information on pharmacology with many case studies from different practice settings. The course will cover the more popular and commonly encountered pharmacologies in rehab settings, including pain and cardiac medications, anti-inflammatories, muscle relaxers, and anxiolytics (anti-anxiety drugs), as well as vitamin and mineral supplements in relation to this topic. Side effects that can affect rehabilitation through altered coordination, balance, cognition, and

swallowing will be specifically discussed, along with drug interaction risks. In addition, all attendees will receive a practical, quick-reference handout on pharmacology specifically developed for rehabilitation professionals. After completing this course, attendees will see improved results in their daily practice through their recognition of patients’ medication effects and ready knowledge of ways to offset them.

AGENDA

Registration begins at 7:30 a.m.
Lunch will be at 11:30 a.m. (not provided)
Adjourned at 3:30 p.m.

1 hr.	Introduction <ul style="list-style-type: none">a. Definitionsb. Role of FDAc. Etiology of Drug Namesd. Intro to Case Studies
½ hr.	Physiology <ul style="list-style-type: none">a. Review of Drug Administration Routesb. Pros and Cons of Medication Administration Routesc. Clearing Meds from System
3.5 hrs.	Medications by Category <ul style="list-style-type: none">a. Pain Meds - Rx and OTCb. Steroid Pain Medsc. Muscle Relaxersd. Anti-Depressantse. Cardiovascular/Blood Pressure Meds<ul style="list-style-type: none">i. Diureticsii. Beta-Blockersiii. Vasodilatorsiv. Calcium Channel Blockersv. Nitratesvi. Digitalisvii. Anti-Coagulationviii. Anti-Lipidsf. Respiratory Medsg. Antibioticsh. Anti-Fungals/Anti-Viralsi. Diabetic Medsj. Anti-Seizurek. Dietary Supplements
1 hr.	Case Studies

CEU INFORMATION

This course has been submitted for CEU approval by the Ohio Physical Therapy Association for 6 CEUs. Ohio Approval # pending.

PROGRAM FACILITATOR

Chad C. Hensel, PT, DPT, MHS, CSCS, is a licensed, clinical physical therapist with over 18 years of experience in sports medicine, orthopedics, subacute, neurological, and work hardening. Currently, he is the Director of the PTA Program at Marion Technical College. Dr. Hensel continues to work in the clinic at OhioHealth’s Marion Medical Campus where he is one of six lead Physical Therapists. He has been on the faculty of the PTA programs at Sinclair Community College and Andrews University where he taught Intro to Pharmacology, Anatomy, and Therapeutic Exercise, pharmacotherapeutics, medical terminology, and physiology, and developed pharmacology course content for the transitional doctorate program.

Dr. Hensel attended Bowling Green State University in consortium with the Medical College of Ohio for his undergraduate Physical Therapy Education and completed his Master of Health Science degree and Physical Therapy Doctorate at the University of Indianapolis. He is a Certified Strength and Conditioning Specialist through the National Strength and Conditioning Association and a Certified Weight Trainer with the International Weightlifting Association. His

extensive educational, clinical, and teaching experiences are reflected in the innovative and insightful curriculums he offers through Cross Country Education.

NOW AVAILABLE ONLINE!

Mail your completed Registration Form (back side of this mailer) along with your check, money order, or MTC Tuition Credit Vouchers to:

Marion Technical College
Attn: Tami Galloway, CWD Building
1467 Mt. Vernon Avenue
Marion, OH 43302-5694

ENROLLMENT IS LIMITED! *So secure your registration by mailing your payment and completed registration information today!*

We encourage Marion Technical College’s PTA Clinical Sites to utilize their MTC Tuition Credit Vouchers. If you would like more information about the benefits of becoming an MTC PTA Clinical Site, please contact Maureen Pace, PTA, ACCE at 740-389-4636 ext. 330.

REGISTRATION FORM

Please fill out this section as accurately as possible. This information is used for registration purposes only and is needed in order to provide our attendees with a receipt.

Please select format of instruction:

☐ Online

Name: _____

Date of Birth: _____

Address: _____

City/State/Zip: _____

County: _____

Email Address: _____

Work Phone: _____

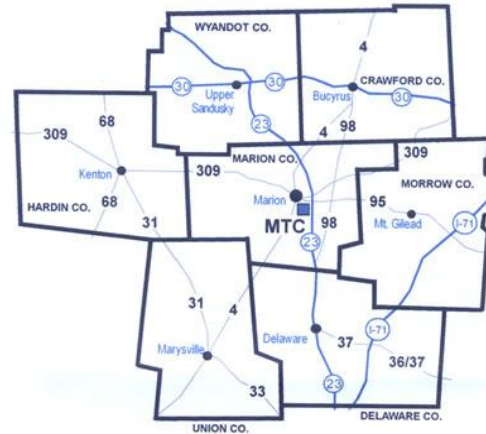
Home Phone: _____

PTA _____ PT _____ License No. _____

- ☐ One Marion Technical College Tuition Credit Voucher **OR:**
- ☐ \$173.00 check or money order payable to Marion Technical College **OR:**
- ☐ \$95.00 check or money order payable to Marion Technical College (**Cost for Marion Technical College PTA Program Alumni**)

DIRECTIONS TO MTC

Marion Technical College is located on State Route 95, at 1467 Mt. Vernon Avenue in Marion, just west of Routes 23 and 95 interchange.



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PHARMACOLOGY LANDMINES IN REHABILITATION: *Know the Benefits & Hidden Dangers of Your Patients' Medications*

Program Facilitator:

Chad C. Hensel, PT, DPT, MHS, CSCS

Friday July 24, 2015
Marion Campus
Health Technologies Center
Building, Room 103
Marion, Ohio

Course is also available
online beginning
August 1, 2015

Presented By:
Marion Technical College
Physical Therapist Assistant
Program

**Marion**
Technical College
1467 Mount Vernon Ave.
Marion, OH 43302