REGISTRATION FORM

Parkinson Diseases: A Comprehensive Approach to Evidence-Based Rehabilitation of Patients with across the Continuum of Disability

APTA #: _Neurology Academy Member? Yes No_

Name:_____

Address:_____

_____

Daytime Tel:_____

Fax #:_____

E-mail:_____

Course Location
Marymount Hospital
Zegiob Auditorium (Rooms A-C)
12300 McCracken Rd,
Garfield Heights, OH 44125

Registration Type (circle one)	>30 days prior early bird	30 days or fewer prior
PT Member of the Neurology, Orthopedics, Sports, or Pediatrics Academy	$350	$425
APTA PT Non-section Member	$400	$475
Non-APTA Member	$475	$550

*Fees cover continental breakfast and break snacks, as well as a link to course materials for download. Please note the course materials will <u>not</u> be printed for registrants.

- **Register Online:** www.neuropt.org/education/neurology-section-developed-courses

- **Register By Mail**

Method of Payment: ○ Amex ○Mastercard ○Visa

Card #:_____

Exp. Date:_____

Signature:_____

Billing Zip Code:_____

Or mail this form, with a **check made payable to ANPT** to:
Academy of Neurologic Physical Therapy
ATTN: Parkinson Disease Course
5841 Cedar Lake Road St. Ste 204
Minneapolis, MN 55416

Questions? Please contact the Registrar at 952-646-2038, or by email at info@neuropt.org.

Academy of Neurologic Physical Therapy
5841 Cedar Lake Road #204
Minneapolis, MN 55416

Parkinson Disease: A Comprehensive Approach to Evidence-Based Rehabilitation of Patients across the Continuum of Disability

Ryan Duncan, PT, DPT
Lee Dibble, PT, PhD, ATC

August 24 - 25, 2019

Marymount Hospital
Garfield Heights, OH

Course Designed for Licensed Physical and Occupational Therapists

ACADEMY OF NEUROLOGIC PHYSICAL THERAPY

COURSE OBJECTIVES

In this course participants will learn to:
1 . Distinguish between idiopathic PD and other causes of Parkinsonism in the examination process.
2. Discuss commonly used pharmacologic interventions, mechanisms of action, side effects, and implications for rehabilitation in persons with PD.
3. Explain the potential benefits/risks of deep brain stimulation for persons with PD and identify those symptoms most likely to respond to surgical intervention.
4. Effectively select responsive outcome measures across the continuum of disability in persons with PD.

CEUs

This course provides for 1.6 CEUs. A post-course survey will be sent electronically to all registrants within 1 week after the course. The survey will contain a post-test and will assess course logistics and satisfaction. This information will help the Academy meet educational standards and strategic objectives. A participant must complete the survey within one week to obtain an emailed PDF CEU certificate.

COURSE DESCRIPTION

Parkinson disease (PD) is considered a chronic health condition that must be successfully managed over a period of many years. Despite advances in medical management, patients with PD experience a decline in quality of life and physical function over the course of the disease. There is a growing body of evidence revealing the benefits of physical activity, exercise, and rehabilitation in improving participation, decreasing activity limitations, and remediating deficits in body structure and function in people with PD. This course will begin with a review of the underlying neuropathology of PD followed by discussions related to differential diagnosis. An evidence-based approach to the physical therapy examination, diagnosis, prognosis and intervention will be described. This will include, but not be limited to coverage of how varied motor phenotypes (e.g., Freezing of Gait) and PD-related cognitive dysfunction may impact rehabilitation. Responsiveness of commonly used outcome measures will be discussed. The most current research supporting potential neuroprotection and neurorestorative effects of exercise interventions will be included. Specific elements of treatment will be highlighted – including over ground walking and treadmill training, cardiovascular fitness training, strengthening, balance training, and external cueing. Finally, community-based exercise programs supported by evidence will be discussed.

TENTATIVE COURSE SCHEDULE

Day 1

8:00-8:15	Welcome/Introduction
8:15-9:15	Case Study
9:15-10:00	Patient Perspective video
10:00-10:15	Break
10:15-11:00	Role of the Basal Ganglia in Movement Control
11:00-12:15	Automaticity/Motor Blocks/Freezing of Gait
12:15-1:15	Lunch (on your own)
1:15-2:15	Key Elements of Examination using ICF
2:15-3:15	Examination: Standardized Assessment Tools
3:15-3:30	Break
3:30-5:00	Examination: Case Studies
5:00-5:30	Summary: Question/Answer (Panel)

Day 2

8:00-8:30	Evidence-based overview of effective treatment
8:30-10:00	Exercise and Parkinson Disease
10:00-10:15	Break
10:15-12:45	Intervention: Case Studies
12:45-1:45	Lunch (on your own)
1:45-2:15	Group Discussions: Case Studies
2:15-3:45	Case Studies: Focus on Intervention
3:45-4:00	Break
4:00-4:45	Engagement in Exercise/Physical Activity
4:45-5:30	Summary: Question/Answer (Panel)

THE FACULTY

Ryan Duncan, PT, DPT is an Assistant Professor of Physical Therapy and Neurology within the Program in Physical Therapy at Washington University in St. Louis. He has substantial experience in the examination and treatment of individuals with Parkinson's disease (PD) and has published several studies examining the utility of different outcome measures in predicting falls as well as the effects of various treatments including medication, deep brain stimulation, and exercise interventions in people with PD. Ryan regularly treats patients with PD in the Washington University Program in Physical Therapy Clinics. Ryan completed his Bachelor's degree in Health Science (2007) and Master's degree in Physical Therapy (2008) at Maryville University before completing his post-professional Doctorate in Physical Therapy (2012) at Washington University.

Lee Dibble, PT, PhD, ATC is currently an Associate Professor within the Department of Physical Therapy at the University of Utah. For the past 15 years, Dr. Dibble had directed the University Rehabilitation and Wellness Clinic, a clinic that delivers preventative and traditional rehabilitation care for persons with persons with chronic neurologic disease including but not limited to persons with Parkinsonism. In addition, he co-directs both the Motion Capture Core Facility and the Skeletal Muscle Exercise Research Facility. His current research examines mobility, postural control, and gaze stability in persons with degenerative neurologic diseases such as Parkinson Disease and Multiple Sclerosis. As a component of this research, he and his colleagues study the effects of physical activity and exercise on the progression of disability in PD. Lee has authored numerous scientific publications and garnered grant support for his research from the National Institutes of Health, the US Army, and disease specific non-profit foundations. He lectures nationally and internationally on topics related to rehabilitation and Parkinson disease.

Course Developers: Lee Dibble, PT, PhD, ATC; Terry Ellis, PT, PhD, NCS; Ryan Duncan, PT, DPT; Stephanie Combs, PT, PhD, NCS; Beth Fisher, PT, PhD, FAPTA; Jeffrey Hoder, PT, DPT, NCS; Alice Neiuwboer.