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
University of Kansas Health System, 3901 Rainbow Blvd. Kansas City, KS 66160

Registration Fee (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-Academy 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 not be printed for registrants.**

** After attending the course, all registrants will receive a complimentary 6-month subscription to the Journal of Neurologic Physical Therapy, which will be provided along with the CEU certificate upon completion of the post-course evaluation

- **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

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
Stephanie Combs-Miller, PT, DPT, NCS

November 10-11, 2018

University of Kansas Health System Kansas City, KS

Course Designed for Licensed Physical and Occupational Therapists

ACADEMY OF NEUROLOGIC PHYSICAL THERAPY

Participants, Location and Housing

November 10-11, 2018 University of Kansas Health System, 3901 Rainbow Blvd., Kansas City, KS 66106. For information on lodging, driving directions, and/or parking, Please visit: hwww.neuropt.org/education/neurology-section-developed-courses. Course is open to licensed Physical and Occupational Therapists. Physical Therapy Assistants may attend but should understand that the course material is geared to physical therapist. Registration is on a space available basis only. Cancellations received on or before 30 days prior to the event will be refunded in full.

Cancellation Policy

A 20% handling fee will be charged for cancellations received between 30 and 7 days prior to the course. No refunds will be given for no-shows or cancellations less than 7 days prior to the course. On-site registrations will be accepted on a space available basis ONLY. The Academy of Neurologic Physical Therapy (ANPT) and host site reserve the right to cancel this course without penalty up to two weeks prior to the event. In the event of cancellation by the ANPT or host facility due to unforeseen circumstances, participants will be refunded their registration fee. We encourage participants to purchase trip insurance. **ANPT will not be responsible for the refund of travel or hotel expenses.**

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

1.6 CEUs. A post-course survey will be sent electronically to all registrants within 1 week after the course. The survey will assess course logistics, satisfaction, and knowledge gained relative to the course objectives . A participant must complete the survey to obtain a certificate, which will be sent within 30 days after the survey closes. An additional survey will be sent electronically to all registrants within 6 months of the course assessing application of course material. This information will help ANPT meet educational standards and strategic objectives.

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.

Stephanie Combs-Miller is a board-certified clinical specialist in neurologic physical therapy, educator, and researcher with interests in understanding how interventions that apply principles of motor learning influence movement and function in persons with neurologic disorders. Currently, Dr. Combs-Miller is investigating longitudinal changes in gait complexity in people with stroke and the effects of boxing training for persons with Parkinson disease. She has recently developed an ongoing community partnership between healthcare professionals and a community fitness program for persons with disability in Indianapolis, Indiana. Dr. Combs-Miller has published over 20 manuscripts in peer reviewed journals and over 50 presentations at national and international professional conferences related to rehabilitation science. She is Associate Professor in the Krannert School of Physical Therapy and Director of Research for the College of Health Sciences, University of Indianapolis.

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.