



The Older Adult with a Neurological Impairment

Tuition: \$625 (plus \$190 per credit hour if taken for graduate credit)

Hours: 29 or 2.9 CEUs or 3 graduate credits

Prerequisite: None

Who Attends: Physical Therapists and Occupational Therapists

The goal of this seminar is to provide participants with the advanced knowledge and skills to adapt examinations, evaluations and interventions to the special needs of the older adult with a neurological impairment. Special emphasis will be on considering individuals with: stroke, Parkinson's disease, Alzheimer's Disease and other neurological pathologies that impact on function.

Learning Outcomes:

At the completion of this seminar the attendee should be able to:

- Review the impact of aging on the nervous system.
- Describe innovations in medical management for neurological conditions typical of the older adult.
- Utilize appropriate motor learning principles in designing intervention plans for the older adult.
- Select, modify and interpret results of assessment instruments used to evaluate the older adult with neurological impairments..
- Design treatment programs for an individual with a neurological impairment or disability including but not limited to stroke, Parkinson's disease and Alzheimer's disease.
- Integrate interdisciplinary management in the treatment of the older adult with neurological impairments.
- Use computer technology to meet therapeutic and educational needs of the older adult.
- Design patient education materials for the older adult with a neurologic problem..
- Discuss methods to use and add to evidence-based practice for the adult with a neurological impairment.

Day One - 9:00 pm - 5:00 pm Introduction to case studies. aging and the nervous system, innovations in medical management, neuroanatomy review lab, neuroplasticity.

Day Two - 8:00 am - 5:00 pm Motor learning in the older adult. Case Study 1 - evaluation and treatment for stroke (perception, motor/balance, UE function, CIMT). Use of evidence based practice.

Day Three - 8:00 am - 5:00 pm Case Study 2 - evaluation and treatment for Parkinson's Disease (occupational performance/motor assessment & treatment/respiration/low vision). Use of evidence based practice.

Day Four - 8:00 am - 5:00 pm Case Study 3 - evaluation and treatment for Alzheimer's Disease (cognition mobility, environment and assistive technology). Development of home programs and future research.

Lunch will be on your own.

Over

7/11

Karen S. Howell

- Ph.D. Health Promotion and Education
University of South Carolina, SC
- M.H.Sc. Master of Health Science
Medical University of South Carolina, SC
- B.S. Occupational Therapy
Virginia Commonwealth University, VA

Dr. Howell has practiced since 1974 in rehabilitation, home care, and nursing facilities. She received her Bachelor of Science degree from Virginia Commonwealth University, her Master of Health Science degree from Medical University of South Carolina, and her Ph.D. in Health Promotion and Education from the University of South Carolina. Dr. Howell is currently a Professor and the Director of the Occupational Therapy Program at the University of St. Augustine for Health Sciences and team teaches the neuroscience and neurorehabilitation components of the curriculum to occupational and physical therapy students. She continues to practice with older adults who have neurological impairments.

Jodi Liphart

- D.H.Sc. University of St. Augustine for Health Sciences
- M.H.Sc. University of Central Florida
- B.S. Ohio State University

Dr. Liphart is currently an Assistant Professor and the Director of the Transitional Doctor of Physical Therapy Program at the University of St. Augustine for Health Sciences. She teaches the neuroscience and neuro rehabilitation components of the curriculum to occupational and physical therapy students. She received her Bachelor's degree in physical therapy in 1985 from The Ohio State University, and her Master of Health Science degree from the University of Central Florida in 1993. In 2000, Dr. Liphart received her Doctor of Health Science degree from the University of St. Augustine for Health Sciences. Dr. Liphart's area of interest and practice is adult neurology with a special interest in motor control, stroke and vestibular disorders. Dr. Liphart was on staff at Sea Pines Rehabilitation Hospital in Melbourne, Florida. Dr. Lowe is an APTA certified clinical specialist in neurologic physical therapy.