Outlook

Multiple Sclerosis
- 4 classifications
- Risk factors: Low Vitamin D, abnormal lipid metabolism
- Making the diagnosis: 1-2-3
- - Neuromyelitis Optica, myasthenus
- - Genomic Markers
- MRI plan and 3-D
- Treating multiple complications
- Getting Dance and Get on a Bike exercises for MS
- Medication Updates 2016
- Case Study

Parkinson’s Disease
- Degeneration, Decline, and Autonomic Disease
- - A Prior Disease
- - T-R-A-P symptoms
- - Non-motor complications
- - Biomarkers, LRRK variants
- Medical treatment
- - Medications
- - - Neuroprotection
- - Surgical treatment
- - - Palidotomy, Thalamotomy, DBS
- Stem cell transplantation
- New PT/OT/SP guidelines for early engagement
- - Bikes, boxing, Big & Loud programs, forced exercise
- - Electrical stimulation
- PD chameleons
- - Essential Torem
- - Progressive supranuclear palsy
- Corticobasilar degeneration
- Case Study

Myasthenia Gravis
- Neuromuscular Junction Disorder
- - Autoimmune
- - T-cell interference at NMJ
- Edrophonium (Enlon™) Test for Diagnosis
- - MG vs. Lambert-Eaton
- - T-cell interference at NMJ
- - Autoimmune

Advances in Diagnosis and Treatment of Neuromuscular & Neurodegenerative Disorders

New Findings, Updates, and Treatments:
- Innovative Treatment Regimens for PDs, OTs and SLPS
- Genomic Markers for Diagnosis and Treatment
- Medications vs. Hands-On Treatment
- Symptom Management and Long-Term Care

What’s Changed in 2016?

- Innovative Treatment Regimens for PTs, OTs and SLPS
- Genomic Markers for Diagnosis and Treatment
- Medications vs. Hands-On Treatment
- Symptom Management and Long-Term Care

Alzheimer’s Disease
- Prevention Strategies & Ways to Slow Progression
- By Lisa Byrd, PhD, FNP BC, CRNP, BC, Gerontologist
- Filled with strategies, suggestions and approaches, cognitive interventions, exercise plans, diet solutions, ways to promote social engagement and medication treatments. Case studies and personal experiences highlight 10 common signs you must have resources for anyone working with Alzheimer’s, dementia and delirium patients. (2014)

Muscular Dystrophy
- Symptoms & Causes
- Complications over time
- Treatment: Medical and Surgical
- Case Study

Guillain-Barré Syndrome
- Syndrome of peripheral demyelination
- - Ascending
- - - Pure motor
- - - Descending
- - - Miller-Fisher
- Early diagnosis, earlier recovery
- Causes: viral, bacterial, surgical, vaccines, myasthenia
- Medical treatment: the Big 3 (steroids, IVIG, Plasmapheresis)
- PT/OT/SP guidelines
- Case Study

Chronic Inflammatory Demyelinating Polyneuropathy/radiculopathy
- The elusive diagnosis dilemma
- - Symptoms, testing
- Medical treatment for the short- and long-term
- - Living with neuropathic pain
- - Medication, spinal/brain stimulation
- Best PT/OT guidelines
- Case Study

Amyotrophic Lateral Sclerosis
- Degeneration of the motor neurons
- Can it be a genetic disease?
- - Rule out everything else
- Risk factors and neuroprotection
- - Medications help the complications
- - Alternative treatments
- - Stem cell research
- Palliative considerations

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Alzheimer’s Disease Prevention Strategies & Ways to Slow Progression
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The 36-Hour Day
- A Family Guide to Caring for People Who Have Alzheimer Disease, Related Dementias, and Memory Loss
- By Nancy L. Mace, M.A. & Peter V. Rabins, M.D., M.P.H.
- When someone in your family suffers from Alzheimer disease or other related memory loss, this book will answer your questions one by one.

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She continues to lend social assistance to those with neurological disorders through her charitable Philadelphia area, and a nationally recognized nursing/psychology educator and conference presenter. As a former member of the Neurocognitive Regional Conference Committee, Susan was instrumental in developing and speaking at seminars to teach medical and health care support staff about neurological challenges and developments. She has also taught neurological nursing and neurophysiology at the graduate level. She has mentored and supervised nurses, social workers, psychologists, and music therapists in the clinical setting. Dr. Fralick-Ball is the founder of the PsychMedEd where she continues to work with patients challenged by the detrimental psychological effects of neurodegenerative disorders, a clinical neuropsychologist for the VistaMed group in the greater Philadelphia area, and a nationally recognized nursing/psychology educator and conference presenter. She continues to lend social assistance to those with neurological disorders through her charitable organization, With Thy Gaze.

**OBJECTIVES**

- Specify the preeminent medication management for multiple sclerosis and its complications
- Examine the most recent diagnostic indicators for multiple sclerosis
- Summarize your knowledge of Parkinson’s disease and its variants
- Describe common side effects to Parkinson’s medications
- Analyze the pros and cons of medications vs. hands-on treatment for these diseases
- Outline the differences in myasthenic and cholinergic crisis
- Explain the long-term care for muscular dystrophies
- Interpret the syndrome variants for the patient with Guillain-Barré and CIDP
- Summarize the symptom management for the patient with Amyotrophic Lateral Sclerosis
- Identify newly found genomic markers for diagnosis and treatment of these diseases

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**SPEAKER**

Dr. Susan Fralick-Ball, PsyD, MSN, CLNC, CH, is a licensed clinical neurophysiologist with an additional 40 years of clinical/educational nursing practice in a wide range of specialties. As a neurophysiologist, she has worked with patients having a vast variety of neurological disorders. Susan was responsible for coordinating all clinical and administrative activities for the stroke program of a nationally renowned neurological medical rehabilitation hospital where she also developed a stroke support group for patients, family members, and staff. Additionally, she aided patients with neurological and neurodegenerative disorders such as MS, Guillain-Barré, CIDP, Parkinson’s, Myasthenia Gravis, ALS, Spinal cord injuries, TBI, head trauma, and dementias.

As a former member of the Neurocognitive Regional Conference Committee, Susan was instrumental in developing and speaking at seminars to teach medical and health care support staff about neurological challenges and developments. She has also taught neurological nursing and neurophysiology at the graduate level. She has mentored and supervised nurses, social workers, psychologists, and music therapists in the clinical setting. Dr. Fralick-Ball is the founder of the PsychMedEd where she continues to work with patients challenged by the detrimental psychological effects of neurodegenerative disorders, a clinical neuropsychologist for the VistaMed group in the greater Philadelphia area, and a nationally recognized nursing/psychology educator and conference presenter. She continues to lend social assistance to those with neurological disorders through her charitable organization, With Thy Gaze.

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