**Neuromuscular Conditions II**

Required Textbooks

1. Shumway-Cook A, Woollacott MH. *Motor Control, 5th* edition. Philadelphia, Lippincott Williams & Wilkins, 2017.
2. Goodman CV, Fuller K. *Pathology:* *Implications for the Physical Therapist*, 4th ed. St. Louis, MO: Saunders/Elsevier, 2015.
3. Palisano R, Orlin M., Schreiber J. *Campbell’s Physical Therapy for Children*, 5th ed. St. Louis, MO, Saunders/Elsevier, 2017.
4. O’Sullivan S, Schmitz T, *Improving Functional Outcomes in Physical Rehabilitation*, 2nd ed. Philadelphia, PA, F.A. Davis, 2016.
5. Umphred D. *Neurological Rehabilitation,* 6th ed. St. Louis, MO: Elsevier/Mosby, 2013.

Required Links

StrokEngine: <http://strokengine.ca/>

Rehabilitation Measures: <http://www.rehabmeasures.org>

Required Articles

Bauby J-D. *The Diving Bell and the Butterfly: A Memoir of Life in Death*. Vintage, 1998.

PT Now: [MS](http://www.ptnow.org/clinical-summaries-detail/multiple-sclerosis-ms)

Recommended:

Majmudar S, Wu J, Paganoni S. Rehabilitation in Amyotrophic Lateral Sclerosis: Why It Matters. *Muscle Nerve*. 2014; 50: 4-13. [Review abstract](http://onlinelibrary.wiley.com/doi/10.1002/mus.24202/full)

Morris ME, Marin CL, Schenkman ML. Striding out with Parkinson disease: evidence-based physical therapy for gait disorders. *Phys Ther*. 2010;90(2):280-288. [Review Abstract](http://www.ncbi.nlm.nih.gov/pubmed/?term=Striding+Out+with+Parkinson+Disease%3A+Evidence-Based+Physical+Therapy+for+Gait+Disorders)

Hebert JR, Corboy JR, Manago MM, Schenkman M. Effects of vestibular rehabilitation on multiple sclerosis–related fatigue and upright postural control: a randomized controlled trial. *Phys Ther.* 2011;91(8):1166-83. [Review Abstract](http://www.ncbi.nlm.nih.gov/pubmed/?term=Effects+of+Vestibular+Rehabilitation+on+Multiple+Sclerosis%E2%80%93Related+Fatigue+and+Upright+Postural+Control%3A+A+Randomized+Controlled+Trial)

Cassidy E, Kilbride C, Holland A. Management of the ataxias: towards best clinical practice: physiotherapy supplement. Ataxia UK. November 2009**.** Available at: [Review abstract](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C6&q=Cassidy+E%2C+Kilbride+C%2C+Holland+A.+Management+of+the+ataxias%3A+towards+best+clinical+practice%3A+physiotherapy+supplement.+Ataxia+UK.+November+2009.+&btnG=)

Studer, M. Cognitive Rehabilitation in the Frail Elderly Patient. *Topics in Geriatric Rehabilitation.*

2004;20(1):21–33. [Review abstract](http://journals.lww.com/topicsingeriatricrehabilitation/Abstract/2004/01000/Cognitive_Rehabilitation_in_the_Frail_Elderly.5.aspx)

Schenkman M, Moore CG, Kohrt WM, et al. Effect of high-intensity treadmill exercise on motor symptoms in patients with de novo Parkinson disease: a phase 2 randomized clinical trial. *JAMA* Neurol. 2018;75(2):219-226. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Schenkman+M+et+al.+Effect+of+high-intensity+treadmill+exercise+on+motor+symptoms+in+patients+with+de+novo+Parkinson+disease%3A+a+phase+2+randomized+clinical+trial.+2018)

Myers PS, McNeeley ME, Pickett KA, et al. Effects of exercise on gait and motor imagery in people with Parkinson disease and freezing of gait. *Parkinsonism Relat* Disord. 2018;53:89-95. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Myers+PS+et+al.+Effects+of+exercise+on+gait+and+motor+imagery+in+people+with+Parkinson+disease+and+freezing+of+gait.+2018)

Bailey CA, Corona F, Murgia M, et al. Electromyographical gait characteristics in Parkinson’s disease: effects of combined physical therapy and rhythmic auditory stimulation. *Front Neurol*. 2018;9(211):1-10. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bailey+CA+et+al.+Electromyographical+gait+characteristics+in+Parkinson%E2%80%99s+disease%3A+effects+of+combined+physical+therapy+and+rhythmic+auditory+stimulation.+2018)

Isaacson S, O’Brien A, Lazaro JD, et al. The JFK big study: the impact of LSVT BIG on dual task walking and mobility in persons with parkinson’s disease. *J Phys Ther Sci*.2018. 30(4):636-641. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Isaacson+S+et+al.+The+JFK+big+study%3A+the+impact+of+LSVT+BIG+on+dual+task+walking+and+mobility+in+persons+with+parkinson%E2%80%99s+disease.+2018.)

Vergara-Diaz G, Osypiuk K, Hausdorff JM, et al. Tai Chi for reducing dual-task gait variability, a potential mediator of fall in parkinson’s disease: a pilot randomized controlled trial. *Glob Adv Health Med*. 2018;7:1-12. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Vergara-Diaz+G+et+al.+Tai+Chi+for+reducing+dual-task+gait+variability%2C+a+potential+mediator+of+fall+in+parkinson%E2%80%99s+disease%3A+a+pilot+randomized+controlled+trial.+2018.)

Corcos DM, Robichaud JA, David FJ, et al. A two-year randomized controlled trial of progressive resistance exercise for parkinson’s disease. *Mov Disord*. 2013; 28(9):1230-40. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Corcos+DM+et+al.+A+two-year+randomized+controlled+trial+of+progressive+resistance+exercise+for+parkinson%E2%80%99s+disease.+2013)

Dibble LE, Foreman KB, Addison O, et al. Exercise and medication effects on persons with Parkinson disease across the domains of disability: a randomized clinical trial. *J Neurol Phys* Ther. 2015; 39(2): 85-92. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dibble+LE+et+al.+Exercise+and+medication+effects+on+persons+with+Parkinson+disease+across+the+domains+of+disability%3A+a+randomized+clinical+trial.+2015.)

Moore CG, Schenkman M, Kohrt, et al. Study in Parkinson disease of exercise: translating high-intensity exercise from animals to humans. *Contemp Clin Trials*. 2013; 36(1):90-8. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Moore+CG+et+al.+Study+in+Parkinson+disease+of+exercise%3A+translating+high-intensity+exercise+from+animals+to+humans.+2013.)

Sparrow D, DeAngelis TR, Hendron K, et al. Highly challenging balance program reduces fall rate in parkinson disease. *J Neurol Phys Ther*. 2016; 40(1):24-30. [Review abstract](https://www.ncbi.nlm.nih.gov/pubmed/?term=Sparrow+D+et+al.+Highly+challenging+balance+program+reduces+fall+rate+in+Parkinson+disease.+2016.)

Ridgel AL Walter BL, Tatsuoka, C, et al. Enhanced exercise therapy in parkinson’s disease: a comparative effectiveness trial. *J of Science and Medicine in Sport*. 2014; 19(1):12-17. [Review abstract](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C6&q=Ridgel+AL.+Enhanced+exercise+therapy+in+Parkinson%E2%80%99s+disease%3A+a+comparative+effectiveness+trial.+2014.&btnG=)

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