

REFERENCES

Introduction

Darley, F.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.

Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.

McNeil, M.R. (2009). *Clinical management of sensorimotor speech disorders* (2nd ed.). New York, NY: Thieme Medical Publishers.

Chapter 1: Introduction and Neurology

Canter, G.J. (1965). Speech characteristics of patients with Parkinson's Disease II: Physiological support for speech. *Journal of Speech and Hearing Disorders*, 30, 44-49.

Clark, H.M. (2003, November). Neuromuscular treatments for speech and swallowing: A tutorial. *American Journal of Speech-Language Pathology*, 12, 400-415.

Darley, F.L. (1983). Foreword. In J.R. Duffy (Ed.), *Clinical dysarthria* (p. ix). San Diego, CA: College Hill Press.

Darley, F.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.

Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.

Love, R., & Webb, W. (1986). *Neurology for the speech-language pathologist*. Stoneham, MA: Butterworth Publishers.

Love, R.J., & Webb, W.G. (1992). *Neurology for the speech-language pathologist*. Boston, MA: Butterworth-Heinemann Publishers.

McNeil, M.R. (2009). *Clinical management of sensorimotor speech disorders* (2nd ed.). New York, NY: Thieme Medical Publishers.

Netsell, R. (1983). Speech motor control: Theoretical issues with clinical impact. In W. Berry (Ed.), *Clinical dysarthria* (pp. 1-19). San Diego, CA: College Hill Press.

Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.

Rosenbek, J.C., Till, J.A., Gerratt, B.R., & Wertz, R.T. (1991). *Dysarthria: Standardized measurement workshop*. Presentation at Veterans Administration Regional Medical Education Center Workshop, Long Beach, CA.

van der Merwe, A. (2009). A theoretical framework for the characterization of pathological speech sensorimotor control. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* (2nd ed., pp. 3-18). New York, NY: Thieme Medical Publishers.

Wertz, R.T., & Rosenbek, J.C. (1992). Where the ear fits: A perceptual evaluation of motor speech disorders. In W. Webb (Ed.), *Seminars in Speech and Language: Oral Motor Dysfunction in Children and Adults*, 13(1), 25-37.

Yorkston, K.M. (1996, October). Treatment efficacy: Dysarthria. *Journal of Speech and Hearing Research*, 39(5), S46-S57.

Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.

Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.

Chapter 2: Evaluation of Dysarthria

ALS CNTF Treatment Study (ACTS) Phase I-II Study Group. (1996). The amyotrophic lateral sclerosis functional rating scale: Assessment of activities of daily living in patients with amyotrophic lateral sclerosis. *Archives of Neurology*, 53(2), 141-147.

American Medical Association (AMA). 2006. *Physician's current procedural terminology* (4th ed.). Chicago, IL: Author.

American Speech-Language-Hearing Association (ASHA). (1995). *ASHA national outcomes measurement system (NOMS) for speech-language pathology and audiology*. Rockville, MD: Author.

American Speech-Language-Hearing Association (ASHA). (2002). *Augmentative and alternative communication: Knowledge and skills for service delivery* [Knowledge and Skills]. Available from www.asha.org/policy

Blanchet, P.G., & Snyder, G.J. (2009). Speech rate deficits in individuals with Parkinson's disease: A review of the literature. *Journal of Medical Speech-Language Pathology*, 17(1), 1-7.

Brookshire, R. (1992). *An introduction to neurogenic communication disorders* (4th ed.). St. Louis, MO: Mosby-Year Book.

Bunton, K., Kent, R.D., Duffy, J.R., Rosenbek, J.C., & Kent, J.F. (2007, December). Listener agreement for auditory-perceptual ratings of dysarthria. *Journal of Speech, Language, and Hearing Research*, 50, 1481-1495.

Cedarbaum, J.M., & Stambler, N. (1997). Performance of the Amyotrophic Lateral Sclerosis Functional Rating Scale (ALSFRS) in multicenter clinical trials. *Journal of Neurological Sciences*, 152(Suppl. 1), S1-S9.

Cedarbaum, J.M., Stambler, N., Malta, E., Fuller, C., Hilt, D., Thurmond, B., & Nakanishi, A. (1991, October 31). The ALSFRS-R: A revised ALS functional rating scale that incorporates assessments of respiratory function. BDNF ALS Study Group (Phase III). *Journal of Neurological Sciences*, 169(1-2), 13-21.

Centers for Disease Control and Prevention (CDC). International Classification of Functioning, Disability and Health (ICF). Available from www.cdc.gov/nchs/icd/icf.htm

Coster, W.J., & Haley, S.M. (1992). Conceptualization and measurement of disablement in infants and young children. *Infants and Young Children*, 4(4), 11-22.

Daniel-Whitney, B. (1989). Severe spastic-ataxic dysarthria in a child with traumatic brain injury: Questions for management. In K.M. Yorkston & D.R. Beukelman (Eds.), *Recent advances in clinical dysarthria* (pp. 129-137). Austin, TX: PRO-ED.

Darley, F.L., Aronson, A.E., & Brown, J.R. (1969a). Differential diagnostic patterns of dysarthria. *Journal of Speech, Language, and Hearing Research*, 12, 246-269.

Darley, F.L., Aronson, A.E., & Brown, J.R. (1969b). Clusters of deviant speech features in the dysarthrias. *Journal of Speech, Language, and Hearing Research*, 12, 462-496.

Darley, S.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.

- Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.
- Duffy, J.R., & Kent, R.D. (2001). Darley's contributions to the understanding, differential diagnosis, and scientific study of the dysarthrias. *Aphasiology*, 15, 275-289.
- Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.
- Eckel, F.C., & Boone, D.R. (1981). The s/z ratio as an indicator of laryngeal pathology. *Journal of Speech and Hearing Disorders*, 46(2), 147-149.
- Enderby, P.M., & Palmer, R. (2008). *Frenchay dysarthria assessment – Second edition (FDA-2)*. Austin, TX: PRO-ED.
- Helm-Estabrooks, N., Hanson, E., Yorkston, K., & Beukelman, D. (2004). Speech supplementation techniques for dysarthria: A systematic review. *Journal of Medical Speech-Language Pathology*, 12(2), ix-xxix.
- Hixon, T.J., Hawley, J.L., & Wilson, K.J. (1982). An around-the-house device for the clinical determination of respiratory driving pressure: A note on making the simple even simpler. *Journal of Speech and Hearing Disorders*, 47, 413-415.
- Huntington Study Group. (1996). Unified Huntington's disease rating scale: Reliability and consistency. *Movement Disorders*, 11(2), 136-142.
- Kent, R.D., Kent, J.F., & Rosenbek, J.C. (1987). Maximum performance tests of speech production. *Journal of Speech and Hearing Disorders*, 52, 367-387.
- Lubinski, R. (1991). Dysarthria: A breakdown in interpersonal communication. In D. Vogel & M. Cannito (Eds.), *Treating disordered speech motor control* (pp. 41-47). Austin, TX: PRO-ED.
- McNeil, M.R. (1986, February). *A critical appraisal of instrumentation methods in the evaluation and management of dysarthria*. The 3rd Bi-Annual Clinical Dysarthria Conference, Tucson, AZ.
- McNeil, M.R. (2009). *Clinical management of sensorimotor speech disorders* (2nd ed.). New York, NY: Thieme Medical Publishers.
- Netsell, R. (1983). Speech motor control: Theoretical issues with clinical impact. In W. Berry (Ed.), *Clinical dysarthria* (pp. 1-19). San Diego, CA: College Hill Press.
- Orlikoff, R.F. (1992, February). The use of instrumental measures in the assessment and treatment of motor speech disorders. In W. Webb, (Ed.), *Seminars in Speech and Language: Oral Motor Dysfunction in Children and Adults*, 13(1), 25-37.
- Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.
- Tasko, S.M., & McClean, M.D. (2004). Variations in articulatory movement with changes in speech task. *Journal of Speech, Language, and Hearing Research*, 47, 85-100.
- Teixeira, Jr., A.L., Maia, D.P., & Cardoso, F. (2005). Universidade Federal de Minas Gerais (UFMG) Sydenham's chorea rating scale (USCRS): Reliability and consistency. *Movement Disorders*, 20(5), 581-591.
- Theodoros, D.G., Murdoch, B.E., & Stokes, P.D. (1995). Variability in the perceptual and physiological features of dysarthria following severe closed head injury: An examination of five cases. *Brain Injury*, 9(7), 671-696.
- Van de Graaff, M., Kuiper, T., Zwinderman, A., Van de Warrenburg, V., Poels, P., Offeringa, A., & De Visser, M. (2009). Clinical identification of dysarthria types among neurologists, residents in neurology and speech therapists. *European Neurology*, 61(5), 295-300.
- Van Riper, C. (1939). *Speech correction: Principles and methods*. New York, NY: Prentice-Hall, Inc.
- Wertz, R.T., & Rosenbek, J.C. (1992). Where the ear fits: A perceptual evaluation of motor speech disorders. In W. Webb (Ed.), *Seminars in Speech and Language: Oral Motor Dysfunction in Children and Adults*, 13(1), 25-37.
- Workinger, M.S., & Netsell, R. (1992). Restoration of intelligible speech 13 years post-head injury. *Brain Injury*, 6(2), 183-187.
- World Health Organization (WHO). (2009). International classification of diseases, ninth revision, clinical modification (ICD-9-CM). Geneva, Switzerland: Author. <http://www.cdc.gov/nchs/icd/icf.htm>
- Yorkston, K.M., & Beukelman, D.R. (1984). *Assessment of intelligibility of dysarthric speech* (AIDS). Austin, TX: PRO-ED.
- Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.
- Yorkston, K.M., Beukelman, D.R., & Hakel, M. (1996). Speech intelligibility test for windows [computer software]. Lincoln, NE: Distributed by Institute for Rehabilitation Science and Engineering at Madonna Rehabilitation Hospital.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., Miller, R.M., & Strand, E.A. (2004). *Management of speech and swallowing in degenerative diseases* (2nd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., & Strand, E.A. (1996). Comprehensibility of dysarthric speech: Implications for assessment and treatment planning. *American Journal of Speech-Language Pathology*, 5, 55-66.

Chapter 3: Planning Treatment

Academy of Neurologic Communication Disorders and Sciences (ANCDS). (2008). *Evidence-based practice guidelines for the management of communication disorders in neurologically impaired individuals*. Retrieved from http://www.ancds.org/index.php?option=com_content&view=article&id=9&Itemid=9#TBI

American Speech-Language-Hearing Association (ASHA). (1991). Report: Augmentative and alternative communication, ASHA, 33(Suppl. 5), 9-12.

American Speech-Language-Hearing Association (ASHA). (1994, March). Code of ethics. ASHA, 36(Suppl. 13), 1-2.

American Speech-Language-Hearing Association (ASHA). (2002). *Augmentative and alternative communication: Knowledge and skills for service delivery* [Knowledge and Skills]. Available from www.asha.org/policy

Ansel, B., McNeil, M., Hunker, C., & Bless, D. (1983). The frequency of verbal and acoustic adjustments used by cerebral palsied dysarthric adults when faced with communicative failure. In W. Berry (Ed.), *Clinical dysarthria* (pp. 85-108). San Diego, CA: College Hill Press.

Berry, W., & Sanders, F. (1983). Environmental education: The universal management approach for adults with dysarthria. *Clinical dysarthria*. San Diego, CA: College Hill Press.

- Canter, G.J. (1965). Speech characteristics of patients with Parkinson's disease II: Physiological support for speech. *Journal of Speech and Hearing Disorders*, 30(44), 217-224.
- Darley, F.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.
- Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.
- Freed, D. (1999). *Motor speech disorders: Diagnosis & treatment*. San Diego, CA: Singular-Thomson Learning.
- Hixon, T.J., Hawley, J.L., & Wilson, K.J. (1982). An around-the-house device for the clinical determination of respiratory driving pressure: A note on making the simple even simpler. *Journal of Speech and Hearing Disorders*, 47, 413-415.
- Keatley, A., & Wirz, S. (1994). Is twenty years too long? Improving intelligibility in long-standing dysarthria: A single case treatment study. *European Journal of Disorders of Communication*, 29, 183-202.
- Linebaugh, C.W. (1983). Treatment of flaccid dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia* (pp. 59-67). New York, NY: Thieme Stratton.
- McHenry, M., & Wilson, R. (1994). Case study: The challenge of unintelligible speech following traumatic brain injury. *Brain Injury*, 8(4), 363-375.
- McHenry, M.A., Wilson, R.L., & Minton, J.T. (1994). Management of multiple physiological deficits following traumatic brain injury. *Journal of Medical Speech-Language Pathology*, 2, 58-74.
- McNeil, M.R. (2009). *Clinical management of sensorimotor speech disorders* (2nd ed.). New York, NY: Thieme Medical Publishers.
- Netsell, R. (1973). *Speech physiology: Normal aspects of speech, hearing, and language*. Englewood Cliffs, NJ: Prentice Hall.
- Netsell, R. (1983). Speech motor control: Theoretical issues with clinical impact. In W. Berry (Ed.), *Clinical dysarthria*. San Diego, CA: College Hill Press.
- Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.
- Ross, E.D., Harney, J.H., deLacoste-Utamsing, C., & Purdy, P.D. (1981, December). How the brain integrates affective and propositional language into a unified behavioral function: Hypothesis based on clinicoanatomic evidence. *Archives of Neurology*, 38(12), 745-748.
- Sarvela, P.D., Sarvela, J.L., & Odulana, J. (1989, October). Knowledge of communication disorders among nursing employees. *Nursing Homes*, 38(1-2), 21-24.
- Simpson, M.B., Till, J.A., & Goff, A.M. (1988). Long-term treatment of severe dysarthria: A case study. *Journal of Speech and Hearing Disorders*, 53, 433-440.
- Smith, C.R., & Scheinberg, L.C. (1985). Clinical features of multiple sclerosis. *Seminars in Neurology*, 5(85).
- Van der Graaff, M., Kuiper, T., Zwiderman, A., Van de Warrenburg, V., Poels, P., Offeringa, A., & De Visser, M. (2009). Clinical identification of dysarthria types among neurologists, residents in neurology and speech therapists. *European Neurology*, 61, 295-300.
- Van Riper, C. (1939). *Speech correction: Principles and methods*. New York, NY: Prentice-Hall, Inc.
- Van Riper, C. (1972). *Speech correction: Principles and methods* (5th ed.). Englewood Cliffs, NJ: Prentice Hall.
- Yorkston, K.M. (1996, October). Treatment efficacy: Dysarthria. *Journal of Speech and Hearing Research*, 39(5), S46-S57.
- Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., Miller, R.M., & Strand, E.A. (2004). *Management of speech and swallowing in degenerative diseases* (2nd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., Spencer, K.A., Duffy, J.R., Beukelman, D.R., Golper, L.A., Miller, R.M., Strand, E.A., & Sullivan, M. (2001). Evidence-based medicine and practice guidelines: Application to the field of speech-language pathology. *Journal of Medical Speech-Language Pathology*, 9(4), 243-256.

Chapter 4: Respiration

- Aten, J.L. (1988). Spastic dysarthria: Revising understanding. *Journal of Head Trauma Rehabilitation*, 3, 63-73.
- Burkhead, L.M., Sapienza, C.M., & Rosenbek, J.C. (2007, April). Strength-training exercise in dysphagia rehabilitation: Principles, procedures, and directions for future research. *Dysphagia*, 22(3), 251-265.
- Cerny, F.J., Panzarella, K.J., & Stathopoulos, E. (1997). Expiratory muscle conditioning in hypotonic children with low vocal intensity level. *Journal of Medical Speech-Language Pathology*, 5, 141-152.
- Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.
- Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.
- Freed, D.B. (1999). *Motor speech disorders: Diagnosis and treatment*. San Diego, CA: Singular Textbook Series.
- Hammen, V.L., & Yorkston, K.M. (1994). Effective instruction on selected aerodynamic parameters in subjects with dysarthria and control subjects. In J.A. Till, K.M. Yorkston, & D.R. Beukelman (Eds.), *Motor speech disorders: Advances in assessment and treatment* (pp. 121-132). Baltimore, MD: Paul H. Brookes Publishing.
- Hixon, T.J., Hawley, J.L., & Wilson, K.J. (1982). An around-the-house device for the clinical determination of respiratory driving pressure: A note on making the simple even simpler. *Journal of Speech and Hearing Disorders*, 47, 413-415.
- Hodge, M., & Hall, S. (1994). Effects of syllable characteristics and training on speaking rate in a child with dysarthria secondary to near-drowning. In J.A. Till, K.M. Yorkston, & D.R. Beukelman (Eds.), *Motor speech disorders: Advances in assessment and treatment* (pp. 229-250). Baltimore: Paul H. Brookes Publishing.
- Hoit, J. (1995). Influence of body position on breathing and its implication for the evaluation and treatment of speech and voice disorders. *Journal of Voice*, 9, 341-347.
- Kim, J., & Sapienza, C.M. (2005, March/April). Implications of expiratory muscle strength training for rehabilitation of the elderly: Tutorial. *Journal of Rehabilitation Research & Development*, 42(2), 211-224.

- Linebaugh, C.W. (1983). Treatment of flaccid dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia* (pp. 59-67). New York, NY: Thieme Stratton.
- McHenry, M.A., Wilson, R.L., & Minton, J.T. (1994). Management of multiple physiological deficits following traumatic brain injury. *Journal of Medical Speech-Language Pathology*, 2, 58-74.
- McNeil, M.R. (2009). *Clinical management of sensorimotor speech disorders* (2nd ed.). New York, NY: Thieme Medical Publishers.
- Murdoch, B.E., Pitt, B., Theodoros, D.G., & Ward, E.C. (1999). Real-time continuous visual biofeedback in the treatment of speech breathing disorders following childhood traumatic brain injury: Report of one case. *Pediatric Rehabilitation*, 3(1), 5-20.
- Netsell, R. (1992). Speech production following traumatic brain injury: Clinical and research implications. *Special Interest Division: Neurophysiology and Neurogenic Speech and Language Disorders*, 2, 108.
- Netsell, R. (1992, November 19-23). *Expiratory checking and therapy for individuals with speech breathing dysfunction*. Presented at the American Speech-Language-Hearing Association (ASHA) Annual Convention, San Antonio, TX.
- Netsell, R. (1998). Speech rehabilitation for individuals with unintelligible speech and dysarthria: The respiratory and velopharyngeal systems. *Journal of Medical Speech-Language Pathology*, 6(2), 107-110.
- Netsell, R., & Hixon, T. (1978). A non-invasive method for clinically estimating subglottal air pressure. *Journal of Speech and Hearing Disorders*, 43, 326-330.
- Netsell, R.W. (1995). Speech rehabilitation for individuals with unintelligible speech and dysarthria: The respiratory and velopharyngeal systems. *Special Interest Division: Neurophysiology and Neurogenic Speech and Language Disorders*, 5(4), 6-9
- Putnam, A.H.B., & Hixon, T.J. (1984). Respiratory kinematics in speakers with motor neuron disease. In N. McNeil, J. Rosenbek, & A.E. Aronson (Eds.), *The dysarthrias* (pp. 83-92). San Diego, CA: College Hill Press.
- Ramig, L., & Dromey, C. (1996). Aerodynamic mechanisms underlying treatment-related changes in vocal intensity in patients with Parkinson disease. *Journal of Speech, Language, and Hearing Research*, 39(4), 798-807.
- Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D. Johns (Ed.), *Clinical management of neurogenic communication disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.
- Saleem, A.F., Sapienza, C.M., & Okun, M.S. (2005). Respiratory muscle strength training: Treatment and response duration in a patient with early idiopathic Parkinson's disease. *Neuro Rehabilitation*, 20(4), 323-33.
- Sapienza, C.M. (2008, June). Respiratory muscle strength training applications. *Current Opinion in Otolaryngology & Head & Neck Surgery*, 16(3), 216-220. doi: 10.1097/MO0.0b013e328306c408
- Sapienza, C.M., Davenport, P.W., & Martin, A.D. (2002). Expiratory muscle training increases pressure support in high school band students. *Journal of Voice*, 16(4), 495-501.
- Sapienza, C.M., Ruddy, B., & Pitts, T. (2009, November 21). *Respiratory muscle strength: What, who, how & why*. Short course presented at the American Speech-Language-Hearing Association (ASHA) Annual Convention, New Orleans, LA.
- Sapienza, C.M., & Wheeler, K. (2006, November). Respiratory muscle strength training: Functional outcomes versus plasticity. *Seminars in Speech-Language Pathology*, 27(4), 236-244.
- Simpson, M.B. (1988). Long-term treatment of severe dysarthria. *Journal of Speech and Hearing Disorders*, 53, 433-440.
- Spencer, K., Yorkston, K., Duffy, J. (2003, June). Behavioral management of respiratory/phonatory dysfunction from dysarthria: A flowchart for guidance in clinical decision making. *Journal of Medical Speech-Language Pathology*, 11(2), xxxix-lxi.
- Thompson-Ward, E.C., & Murdoch, B.E. (1998). Instrumental assessment of the speech mechanism. In B.E. Murdoch (Ed.), *Dysarthria: A physiological approach to assessment and treatment* (pp. 68-101). Cheltenham, UK: Stanley Thornes.
- Watson, P.J., & Hixon, T.J. (2001). Effects of abdominal trussing on breathing and speech in men with cervical spinal cord injury. *Journal of Speech, Language, and Hearing Research*, 44(4), 751-762.
- Workinger, M.S., & Netsell, R. (1992). Restoration of intelligible speech 13 years post-head injury. *Brain Injury*, 6(2), 183-187.
- Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED

Chapter 5: Phonation

- American Speech-Language-Hearing Association (ASHA). (2004). *Preferred practice patterns for the profession of speech-language pathology* [Preferred Practice Patterns]. Retrieved from www.asha.org/policy
- Aronson, A.E., & Bless, D.M. (2009). *Clinical voice disorders* (4th Ed.). New York, NY: Thieme Medical Publishers.
- Aten, J.L. (1988). Spastic dysarthria: Revising understanding. *Journal of Head Trauma Rehabilitation*, 3, 63-73.
- Baumgartner, C., Sapir, S., & Ramig, L. (2001). Voice quality changes following phonatory-respiratory effort treatment (LSVT) versus respiratory effort treatment for individuals with Parkinson disease. *Journal of Voice*, 15(1), 105-114.
- Boone, D.R., McFarlane, S.C., Von Berg, S.L., & Zraick, R.I. (2009). *The voice and voice therapy* (8th Ed.). Boston, MA: Allyn & Bacon.
- Chen, S.H., Huang, J., & Chang, W. (2003). The efficacy of resonance method to hyperfunctional dysphonia from physiological, acoustic and aerodynamic aspects: The preliminary study. *Asia Pacific Journal of Speech, Language, and Hearing*, 8, 200-203.
- Countryman, S., Hicks, J., Ramig, L., & Smith, M. (1997). Supraglottal hyperadduction in an individual with Parkinson disease: A clinical treatment note. *American Journal of Speech-Language Pathology*, 6(4), 74-84.
- Countryman, S., & Ramig, L. (1993). Effects of intensive voice therapy on voice deficits associated with bilateral thalamotomy in Parkinson's disease: A case study. *Journal of Medical Speech-Language Pathology*, 1, 233-250.
- Darley, S.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.
- Davis, G.A., & Wilcox, M.J. (1985). *Adult aphasia rehabilitation: Applied pragmatics*. San Diego, CA: College Hill Press.

- Dworkin, J., & Meleca, R. (1997). *Vocal pathologies: Diagnosis, treatment and case studies*. San Diego, CA: Singular Publishing Group.
- Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.
- Flint, P.W., & Cummings, C.W. (2005). Management of glottal insufficiency associated with unilateral vocal cord motion impairment and soft tissue deficits. In C.W. Cummings, P.W. Fling, B.H. Haughey, K.T. Robbins, J.R. Thomas, L.A. Harker, et al. (Eds., Chapter 96). *Cummings otolaryngology: Head & neck surgery* (4th ed.). Philadelphia, PA: Mosby, Inc.
- Greene, M.C.L., & Watson, B.W. (1968). The value of speech amplification in Parkinson's disease patients. *Folia Phoniatrica et Logopaedica*, 20(4), 250-257.
- Hustad, K.C., & Weismer, G. (2007). A continuum of interventions for individuals with dysarthria: Compensatory and impairment-oriented treatment approaches. In G. Weismer (Ed.), *Motor speech disorders: Essays for Ray Kent* (pp. 261-303). San Diego, CA: Plural Publishing.
- Junqua, J.C. (1993). The Lombard reflex and its role on human listeners and automatic speech recognizers. *The Journal of the Acoustical Society of America*, 93, 510-524.
- Kwon, T.K., & Buckmire, R. (2004, December). Injection laryngoplasty for management of unilateral vocal fold paralysis. *Current Opinion in Otolaryngology and Head & Neck Surgery*, 12(6), 538-542.
- Lane, H., & Tranel, B. (1971). The Lombard sign and the role of hearing in speech. *Journal of Speech, Language, and Hearing Research*, 14, 677-709.
- Lass, N.J., & Pannbacker, M. (2008). The application of evidence-based practice to nonspeech oral motor treatments. *Language, Speech, and Hearing Services in Schools*, 39, 408-421.
- Liotti, M., Vogel, D., Ramig, L., New, P., Cook, C., Ingham, R.J., . . . Fox, P.T. (2003). Hypophonia in Parkinson's disease: Neural correlates of voice treatment revealed by PET. *Neurology*, 60, 432-440.
- Lorenz, R.R., Nettekville, J.L., & Burkey, B.B. (2004). Vocal cord paralysis. In C.M. Townsend, R.D. Beauchamp, B.M. Evers, K.L. Mattox (Eds., Chapter 31). *Sabiston textbook of surgery. The biological basis of surgical practice* (17th ed.). St. Louis, MO: W.B. Saunders.
- Maryn, Y., DeBodt, M., & Van Cauwenberge, P. (2003). Ventricular dysphonia: Clinical aspects and therapeutic options. *Laryngoscope*, 113, 859-866.
- McCauley, R.J., Strand, E., Lof, G.L., Schooling, T., & Frymark, T. (2009). *American Journal of Speech-Language Pathology*, 18(4), 343-360.
- Murry, T., & Woodson, G. (1995). Combined-modality treatment of adductor spasmodic dysphonia with botulinum toxin and voice therapy. *Journal of Voice*, 9, 460-465.
- National Institute on Deafness and Other Communication Disorders (NIDCD). Vocal cord paralysis. (Updated September 13, 2007). Available from www.nidcd.nih.gov/health/voice/vocalparal.asp
- Powell, T.W. (2008). An integrated evaluation of nonspeech oral motor movements. *Language, Speech, and Hearing Services in Schools*, 39, 422-427.
- Ramig, L.O. (1992). The role of phonation in speech intelligibility: A review and preliminary data from patients with Parkinson's disease. In R.D. Kent (Ed.), *Intelligibility in speech disorders: Theory, measurement and management* (pp. 119-155). Philadelphia, PA: John Benjamins North America.
- Ramig, L.O. (1996). Speech therapy for patients with Parkinson's disease. In W. Koller & S. Paulson (Eds.), *Therapy of Parkinson's disease* (2nd ed.). New York, NY: Marcel Dekker, Inc.
- Ramig, L.O., Bonitati, C.M., Lemke, J.H., & Horii, Y. (1994). Voice treatment for patients with Parkinson's disease: Development of an approach and preliminary efficacy data. *Journal of Medical Speech-Language Pathology*, 2, 191-210.
- Ramig, L.O., Countryman, S., Thompson, L.L., & Horii, Y. (1995). A comparison of two forms of intensive speech treatment in Parkinson's disease. *Journal of Speech, Language, and Hearing Research*, 38, 1232-1251.
- Ramig, L.O., & Dromey, C. (1996). Aerodynamic mechanisms underlying treatment-related changes in vocal intensity in patients with Parkinson disease. *Journal of Speech, Language, and Hearing Research*, 39(4), 798-807.
- Ramig, L.O., Fox, C., & Sapir, S. (2004). Parkinson's disease: Speech and voice disorders and their treatment with the Lee Silverman voice treatment. *Seminars in Speech and Language*, 25(2), 169-180.
- Ramig, L.O., Pawlas, P., & Countryman, S. (1995). *Lee Silverman voice treatment: A practical guide for treating voice and speech disorders in Parkinson's disease*. Iowa City, IA: National Center for Voice and Speech, University of Iowa.
- Ramig, L.O., Sapir, S., Countryman, S., Pawlas, A., O'Brien, C., Hoehn, M., & Thompson, L. (2001). Intensive voice treatment (LSVT) for individuals with Parkinson disease: A two-year follow-up. *Journal of Neurology, Neurosurgery, and Psychiatry*, 71(4), 493-499.
- Ramig, L.O., Sapir, S., Fox, C., & Countryman, S. (2001). Changes in vocal intensity following intensive voice treatment (LSVT) in individuals with Parkinson disease: A comparison with untreated patients and normal, age-matched controls. *Movement Disorders*, 16(1), 79-83.
- Robertson, S., & Thompson, F. (1984). Speech therapy in Parkinson's disease: A study of the efficacy and long-term effect of intensive treatment. *British Journal of Disorders of Communication*, 19, 213-224.
- Roy, N. (1993). Ventricular dysphonia following long-term endotracheal intubation: A case study. *Journal of Otolaryngology*, 23, 189-193.
- Roy, N., Bless, D.M., Helsey, D., & Ford, C.N. (1997). Manual circumlaryngeal therapy for functional dysphonia: An evaluation of short- and long-term treatment outcomes. *Journal of Voice*, 11, 321-331.
- Roy, N., & Leeper, H.A. (1993). Effects of the manual laryngeal musculoskeletal tension reduction technique as a treatment for functional voice disorders: Perceptual and acoustic measures. *Journal of Voice*, 7, 242-249.
- Roy, N., Weinrich, B., Gray, S., Tanner, K., Stemple, J., & Sapienza, C. (2003). Three treatments for teachers with voice disorders: A randomized clinical trial. *Journal of Speech, Language, and Hearing Research*, 46, 670-688.
- Sapir, S., Pawlas, A., Ramig, L., Seeley, E., Fox, C., & Corboy, J. (2001). Effects of intensive phonatory-respiratory treatment (LSVT) on voice in two individuals with multiple sclerosis. *Journal of Speech-Language Pathology*, 9(2), 35-45.
- Scott, S., & Caird, F.L. (1968). Speech therapy for Parkinson's disease. *Journal of Neurology and Neurosurgery and Psychiatry*, 46, 140-144.
- Simpson, M.B. (1988). Long-term treatment of severe dysarthria. *Journal of Speech and Hearing Disorders*, 53, 433-440.

Smith, M.E., Ramig, L.O., Dromey, C., Perez, K., & Samandari, R. (1995). Intensive voice treatment in Parkinson disease: Laryngostroboscopic findings. *Journal of Voice*, 9(4), 453-459.

Spencer, K., Yorkston, K., Duffy, J. (2003, June). Behavioral management of respiratory/phonatory dysfunction from dysarthria: A flowchart for guidance in clinical decision making. *Journal of Medical Speech-Language Pathology*, 11(2), xxxix-lxi.

Stemple, J. (2000). *Voice therapy: Clinical studies* (2nd ed.). San Diego, CA: Singular Publishing Group, Cengage Learning.

Stemple, J. (2005). A holistic approach to voice care. In A. Holland (Ed.), *Seminars in Speech and Language*, 29(2), 131-138. New York, NY: Thieme Medical Publishers.

Stemple, J. (2006). *Vocal function exercises: The how to series*. San Diego, CA: Plural Publishing, Inc.

Stemple, J. & Fry, L. (2009). *Voice therapy: Clinical case studies* (3rd ed., pp. 41-46). San Diego, CA: Plural Publishing, Inc.

Stemple, J., Glaze, L., & Klaben, B. (2000). *Clinical voice pathology: Theory and management* (3rd ed.). Clifton Park, NJ: Delmar Learning.

Summers, W., Pisoni, D.B., Bernacki, R.H., Pedlow, R.I., & Stokes, M.A. (1988). Effects of noise on speech production: Acoustic and perceptual analyses. *Journal of the Acoustical Society of America*, 84, 917-928.

Thomas L., & Stemple J. (2007). Voice therapy: Does science support the art? *Communicative Disorders Review*, 1(1), 51-79.

Verdolini Abbott, K. (2008). *Lessac-Madsen resonant voice therapy*. San Diego, CA: Plural Publishing, Inc.

Verdolini-Marston, K., Burke, M.K., Lessac, A., Glaze, L., & Caldwell, E. (1995, March). Preliminary study of two methods of treatment for laryngeal nodules. *Journal of Voice*, 9(1), 74-85.

Watson, M.M., & Lof, G.L. (2008). Epilogue: What we know about non-speech oral-motor exercises. *Seminars in Speech and Language*, 29, 339-344. New York, NY: Thieme Medical Publishers.

Weismer, G. (2006). Philosophy of research in motor speech disorders. *Clinical Linguistics and Phonetics*, 20(5), 315-349.

Xu, J., Ikeda, Y., & Komiya, S. (1991). Bio-feedback and the yawning breath pattern in voice therapy: A clinical trial. *Auris: Nasus: Larynx*, 18, 65-77.

Yamaguchi, H., Yotsukura, T., Sata, H., Watanabe, Y., Hirose, H., Kobayashi, N., & Bless, D.M. (1993). Pushing exercise program to correct glottal incompetence. *Journal of Voice*, 7(3), 250-256.

Yorkston, K.M. (1996, October). Treatment efficacy: Dysarthria. *Journal of Speech and Hearing Research*, 39(5), S46-S57.

Chapter 6: Resonance

Academy of Neurologic Communication Disorders and Sciences (ANCDS). (2008). *Evidence-based practice guidelines for the management of communication disorders in neurologically impaired individuals*. Retrieved from http://www.ancds.org/index.php?option=com_content&view=article&id=9&Itemid=9#TB1

Aten, J.L. (1988). Spastic dysarthria: Revising understanding. *Journal of Head Trauma Rehabilitation*, 3, 63-73.

Aten, J., McDonald, A., Simpson, M., & Gutierrez, R. (1984). Efficacy of modified palatal lifts for improved resonance. In M. McNeil, J. Rosenbek, & A. Aronson (Eds.), *The dysarthrias: Physiology, acoustics, perception, management* (pp. 231-242). San Diego, CA: College Hill Press.

Bedwinek, A.P., & O'Brian, R.L. (1985). A patient selection program for the use of speech prosthesis in adult disorders. *Journal of Communication Disorders*, 18, 169-182.

Bookshire, R.H. (1992). *An introduction to neurogenic communication disorders*. St. Louis, MO: Mosby-Year Book, Inc.

Daniel, B. (1982). A soft palate desensitization procedure for patients requiring palatal lift prostheses. *Journal of Prosthetic Dentistry*, 48, 565-566.

Davison, P., Razzell, R., & Watson, H. (1990). The role of pharyngoplasty in congenital neurogenic speech disorders. *British Journal of Plastic Surgery*, 43, 187-196.

Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.

Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.

Dworkin, J.P., & Johns, D.F. (1980). Management of velopharyngeal incompetence in dysarthria: A historical review. *Clinical Otolaryngology*, 5(61), 61-74.

Esposito, S.J., Mitsumoto, H., & Shanks, M. (2000). Use of palatal lift and palatal augmentation prostheses to improve dysarthria in patients with amyotrophic lateral sclerosis: A case series. *Journal of Prosthetic Dentistry*, 83, 90-98.

Gonzalez, J.B., & Aronson, A.E. (1970). Palatal lift prosthesis for treatment of anatomic and neurologic palatopharyngeal insufficiency. *Cleft Palate Journal*, 7(91), 91-104.

Hageman, C.F. (2009). Flaccid dysarthria. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* (2nd ed.) (pp. 116-129). New York, NY: Thieme Medical Publishers.

Hakel, H., Beukelman, D.R., Fager, S., Green, J., & Marshall, J. (2004). Nasal obturator for velopharyngeal dysfunction in dysarthria: Technical report on a one-way valve. *Journal of Medical Speech-Language Pathology*, 12(4), 155-160.

Hakel, M., Marshall, J., Beukelman, D., Haub, M., & Dreyer, K. (2010, February 13). Obturation for severe, chronic velopharyngeal dysfunction of dysarthria. Retrieved from <http://aac.unl.edu/drbr/as03/nasal.pdf> (for nasal obturator)

Hammen, V.L., & Yorkston, K.M. (1994). Effective instruction on selected aerodynamic parameters in subjects with dysarthria and control subjects. In J.A. Till, K.M. Yorkston, & D.R. Beukelman (Eds.), *Motor speech disorders: Advances in assessment and treatment* (pp. 63-74). Baltimore, MD: Brookes Publishing.

Hardy, J., Netsell, R., Schweiger, J., & Morris, H. (1969). Management of velopharyngeal dysfunction in cerebral palsy. *Journal of Speech and Hearing Disorders*, 34, 123-137.

Johns, D.F. (1985). Surgical and prosthetic management of neurogenic velopharyngeal incompetency in dysarthria. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 168-173). Boston, MA: Little, Brown and Company.

Kuehn, D.P. (1997, November). The development of a new technique for treating hypernasality: CPAP. *American Journal of Speech-Language Pathology*, 6(4), 5-8.

Kuehn, D.P., & Moller, K.T. (2000). Speech and language issues in the cleft palate population: The state of the art. *The Cleft Palate Craniofacial Journal*, 37(4), 348-383.

Kuehn, D.P., & Wachtel, J.M. (1994). CPAP therapy for treating hypernasality following closed head injury. In J.A. Till, K.M. Yorkston, & D.R. Beukelman (Eds.), *Motor speech disorders: Advances in assessment and treatment* (pp. 207-212). Baltimore, MD: Brookes Publishing.

Linebaugh, C.W. (1983). Treatment of flaccid dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia* (pp. 59-67). New York, NY: Thieme-Stratton.

Liss, J.M., Kuehn, D.P., & Hinkle, K.P. (1994). Direct training of velopharyngeal musculature. *Journal of Medical Speech-Language Pathology*, 2(3), 243-251.

McHenry, M.A., Wilson, R.L., & Minton, J.T. (1994). Management of multiple physiological deficits following traumatic brain injury. *Journal of Medical Speech-Language Pathology*, 2, 58-74.

Netsell, R., & Rosenbek, J. (1985). Treating the dysarthrias: Speech and language evaluation in neurology. *Adult disorders*. New York, NY: Grune and Stratton.

Picheny, M., Durlach, N., & Braida, L. (1985). Speaking clearly for the hard of hearing I: Intelligibility differences between clear and conversational speech. *Journal of Speech, Language, and Hearing Research*, 28(1), 96-103.

Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.

Shifman, A., Finelstein, Y., Nachmani, A., & Ophir, D. (2000). Speech-aid prostheses for neurogenic velopharyngeal incompetence. *Journal of Prosthetic Dentistry*, 83, 99-106.

Simpson, M.B., Till, J.A., & Goff, A.M. (1988). Long-term treatment of severe dysarthria: A case study. *Journal of Speech and Hearing Disorders*, 53, 433-440.

Thompson, E.C., & Murdoch, B.E. (1995). Disorders of nasality in subjects with upper motor neuron type dysarthria following cerebrovascular accident. *Journal of Communication Disorders*, 28(3), 261-276.

Yorkston, K.M. (1996, October). Treatment efficacy: Dysarthria. *Journal of Speech and Hearing Research*, 39(5), S46-S57.

Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.

Yorkston, K.M., Honsinger, M.J., Beukelman, D.R., & Taylor, T. (1989). The effects of palatal lift fitting on the perceived articulatory adequacy of dysarthric speakers. In K.M. Yorkston & D.R. Beukelman (Eds.), *Recent advances in clinical dysarthria* (pp. 85-98). Boston, MA: College Hill Press.

Chapter 7: Articulation

Aten, J.L. (1988). Spastic dysarthria: Revising understanding. *Journal of Head Trauma Rehabilitation*, 3, 63-73.

Barlow, S.M., & Abbs, J.H. (1983). Force transducers for evaluation of labial, lingual, and mandibular function in dysarthria. *Journal of Speech and Hearing Research*, 26, 616-621.

Clark, H.M. (2003, November). Neuromuscular treatments for speech and swallowing: A tutorial. *American Journal of Speech-Language Pathology*, 12, 400-415.

Darley, S.L., Aronson, A.E., & Brown, J.R. (1975). *Motor speech disorders*. Philadelphia, PA: Saunders.

DePaul, R., & Brookes, B. (1993). Multiple orofacial indices in amyotrophic lateral sclerosis. *Journal of Speech and Hearing Research*, 36, 1158-1167.

Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.

Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.

Enderby, P., & Crow, E. (1990). Long-term recovery patterns of severe dysarthria following head injury. *British Journal of Disorders of Communication*, 25, 341-354.

Fairbanks, G. (1960). *Voice and articulation drill book*. New York, NY: Harper and Row.

Froeschels, E. (1943). A contribution to the pathology and therapy of dysarthria due to certain cerebral lesions. *Journal of Speech Disorders*, 8, 301-321.

Hageman, C.F. (2009). Flaccid dysarthria. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* (2nd ed.) (pp. 116-129). New York, NY: Thieme Medical Publishers.

Kuehn & Moon. (2000, April). Induced fatigue effects of velopharyngeal closure force. *Journal of Speech, Language, and Hearing Research*, 43, 486-500.

Linebaugh, C.W. (1983). Treatment of flaccid dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia* (pp. 59-67). New York, NY: Thieme Stratton.

McCauley, R.J., Strand, E., Lof, G.L., Schooling, T., & Frymark, T. (2009, November 1). Evidence-based systematic review: Effects of nonspeech oral motor exercises on speech. *Journal of Speech-Language Pathology*, 18(4), 343-360.

Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp.97-152). Boston, MA: Little, Brown and Company.

van der Merwe, A. (2009). A theoretical framework for the characterization of pathological speech sensorimotor control. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* (2nd ed., pp. 3-18). New York, NY: Thieme Medical Publishers.

Yorkston, K.M., & Beukelman, D. (1981). Ataxic dysarthria: Treatment sequences based on intelligibility and prosodic considerations. *Journal of Speech and Hearing Disorders*, 46, 398-404.

Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.

Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Bell, K.R. (1999). *Management of motor speech disorders in children and adults*. Austin, TX: PRO-ED.

Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.

Yorkston, K.M., Miller, R.M., & Strand, E.A. (1995). *Management of speech and swallowing in degenerative diseases*. Tuscon, AZ: Communication Skill Builders (a division of The Psychological Corporation).

Chapter 8: Prosody

Academy of Neurologic Communication Disorders and Sciences (ANCDs). (2008). *Evidence-based practice guidelines for the management of communication disorders in neurologically impaired individuals*. Retrieved from http://www.ancds.org/index.php?option=com_content&view=article&id=9&Itemid=9#TBI

Adams, S.G. (1994). Accelerating speech in a case of hypokinetic dysarthria: Descriptions and treatment. In J.A. Till, K.M. Yorkston, & D.R. Beukelman (Eds.), *Motor speech disorders: Advances in assessment and treatment* (pp. 213-228). Baltimore, MD: Brookes Publishing.

Aten, J.L. (1988). Spastic dysarthria: Revising understanding. *Journal of Head Trauma Rehabilitation*, 3, 63-73.

Barnes, G.J. (1983). Suprasegmental and prosodic considerations in motor speech disorders. In W. Berry (Ed.), *Clinical dysarthria* (pp. 57-68). San Diego, CA: College Hill Press.

Bellaire, K., Yorkston, K.M., & Beukelman, D.R. (1986). Modification of breath patterning to increase naturalness of a mildly dysarthric speaker. *Journal of Communication Disorders*, 19(4), 271-280.

Berry W., & Goshorn, E. (1983). Immediate visual feedback in the treatment of ataxic dysarthria: A case study. In W. Berry (Ed.), *Clinical dysarthria* (pp. 253-266). Boston, MA: College Hill Press.

Beukelman, D.R., Fager, S., Ullman, C., Hanson, E., & Logemann, J.A. (2002). The impact of speech supplementation and clear speech on the intelligibility and speaking rate of speakers with traumatic brain injury. *Journal of Medical SLP*, 10(4), 237-242.

Beukelman, D.R., & Yorkston, K.M. (1977). A communication system for the severely dysarthric speaker with an intact language system. *Journal of Speech and Hearing Disorders*, 27, 265-266.

Blanchet, P., & Snyder, G. (2009). Speech rate deficits in individuals with Parkinson's disease: A review of the literature (Tutorial). *Journal of Medical Speech-Language Pathology*, 17(1), 1-7.

Caligiuri, M.P., & Murry, T. (1983). The use of visual feedback to enhance prosodic control in dysarthria. In W. Berry (Ed.), *Clinical dysarthria* (pp. 267-282), Boston, MA: College Hill Press.

Castor, K.M. (1995). *Generalization of speaking rate in Parkinson disease*. Unpublished master's thesis, Purdue University, West Lafayette, IN.

Countryman, S., Hicks, J., Ramig, L., & Smith, M. (1997). Supraglottal hyperadduction in an individual with Parkinson disease: A clinical treatment note. *American Journal of Speech-Language Pathology*, 6(4), 74-84.

Craig, S., & Sikorski, L. (1985). *Succeed with effective English communication: Intonation patterns*. Anaheim, CA: Craig and Ford, Inc.

Crow, E., & Enderby, P. (1989). The effects of an alphabet chart on the speaking rate and intelligibility of speakers with dysarthria. In K.M. Yorkston & D.R. Beukelman (Eds.), *Recent advances in clinical dysarthria* (pp. 99-107). Austin, TX: PRO-ED.

Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.

Dworkin, J.P. (1991). *Motor speech disorders: A treatment guide*. St. Louis, MO: Mosby-Year Book, Inc.

Fairbanks, G. (1960). *Voice and articulation drill book*. New York, NY: Harper and Row.

Goldman-Eisler, F. (1961). The significance of changes in the rate of articulation. *Language and Speech*, 4, 171-174.

Goldman-Eisler, F. (1968). *Psycholinguistics: Experiments in spontaneous speech*. New York, NY: Academic Press.

Hammen, V.L., Yorkston, K.M., & Minifie, F.D. (1994). Effects of temporal alterations on speech intelligibility in Parkinsonian dysarthria. *Journal of Speech, Language, and Hearing Research*, 37(2), 244-253.

Hanson, W.R., & Metter, E.J. (1980). DAF instrumental treatment for dysarthria in progressive supranuclear palsy: A case report. *Journal of Speech and Hearing Disorders*, 45, 268.

Hanson, W.R., & Metter, E.J. (1983). DAF speech rate and modification in Parkinson's disease: A report of two cases. In W.R. Berry (Ed.), *Clinical dysarthria* (pp. 231-251). San Diego, CA: College Hill Press.

Hanson, W.R., & Metter, E.J. (1995). DAF as instrumental treatment for dysarthria in progressive supranuclear palsy: A case report. *Journal of Speech and Hearing Disorders*, 25, 268-276.

Helm, N. (1979). Management of palilalia with a pacing board. *Journal of Speech and Hearing Disorders*, 44, 350-353.

Henderson, A., Goldman-Eisler, F., & Skarbek, A. (1966). Sequential temporal patterns in spontaneous speech. *Language and Speech*, 9, 207-216.

Hustad, K.C., & Sassano, K. (2002). Effects of rate reduction on severe spastic dysarthria in cerebral palsy. *Journal of Medical Speech-Language Pathology*, 10(4), 287-292.

Johnson J.A., & Pring, T.R. (1990). Speech therapy and Parkinson's disease: A review and further data. *British Journal of Disorders of Communication*, 25, 183-194.

Lane, H., & Grosjean, F. (1973). Perception of reading rate by listeners and speakers. *Journal of Experimental Psychology*, 97, 141-147.

Laures, J.S., & Weismer, G. (1999). The effects of a flattened fundamental frequency on intelligibility at the sentence level. *Journal of Speech, Language, and Hearing Research*, 42(5), 1148-1156.

LeDorze, G., Ouellet, L., & Ryalls, J. (1994). Intonation and speech rate in dysarthric speech. *Journal of Communication Disorders*, 27(1), 1-18.

Lehiste, I. (1970). *Suprasegmentals*. Cambridge, MA: M.I.T. Press.

Liberman, P. (1967). *Intonation, perception, and language*. Cambridge, MA: M.I.T. Press.

Linebaugh, C.W. (1983). Treatment of flaccid dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia* (pp. 59-67). New York, NY: Thieme Stratton.

- Logan, K.J., Roberts, R.R., Pretto, A.P., & Morey, M.J. (2002). Speaking slowly: Effects of four self-guided approaches on adults' speech rate and naturalness. *American Journal of Speech-Language Pathology*, 11, 163-174.
- McHenry, M.A. (1998, May). Velopharyngeal airway resistance disorders after traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, 79(5), 545-549.
- McHenry, M.A. (2003). The effect of pacing strategies on the variability of speech movement sequences. *Journal of Speech, Language, and Hearing Research*, 46(3), 702-710.
- McHenry, M., & Wilson, R. (1994). Case study: The challenge of unintelligible speech following traumatic brain injury. *Brain Injury*, 8(4), 363-375.
- Miller, Grosjean, & Lomanto. (1984). Articulation rate and its variability in spontaneous speech: A reanalysis and some implications. *Phonetica*, 41, 215-225. doi: 10.1159/000261728
- Murry, T. (1983). Treatment of ataxia dysarthria. In W.H. Perkins (Ed.), *Current therapy of communication disorders: Dysarthria and apraxia*. New York, NY: Thieme Stratton.
- Nalling, K., & Horner, J. (1979, November 16-19). *Reorganizing neurogenic articulation disorders by modifying prosody*. Proceedings from the American-Speech-Language-Hearing Association (ASHA) Annual Convention, Atlanta, GA.
- Netsell, R. (1973). *Speech physiology: Normal aspects of speech, hearing, and language*. Englewood Cliffs, NJ: Prentice Hall.
- Nuffelen, G.V., De Bodt, M., Wuyts, F., & Van de Heyning, P. (2009). *Folia Phoniatica et Logopaedica*, 61(2), 69-75.
- Patel, R. (2002). Prosodic control in severe dysarthria: Preserved ability to mark the question-statement contrast. *Journal of Speech, Language, and Hearing Research*, 45(5), 858-870.
- Pilon, M.A., McIntosh, K.W., & Thaut, M.H. (1998). Auditory vs. visual speech timing cues as external rate control to enhance verbal intelligibility in mixed spastic-ataxic dysarthric speakers: A pilot study. *Brain Injury*, 12(9), 793-803.
- Ramig, L.O. (1986). Acoustic analysis of phonation in patients with Huntington's disease: Preliminary report. *Annals of Otolaryngology, Rhinology, and Laryngology*, 95(3), 288-293.
- Robin, D.A., Klouda, G.V., & Hug, L.N. (1991). Neurogenic disorders of prosody. In D. Vogel & M.P. Cannito (Eds.), *Treating disordered speech motor control* (pp. 241-271). Austin, TX: PRO-ED.
- Rosenbek, J.C. (1978). Treating apraxia of speech. In D. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (pp. 191-241). Boston, MA: Little, Brown and Company.
- Rosenbek, J.C., & LaPointe, L.L. (1978). The dysarthrias: Description, diagnosis and treatment. In D. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (pp. 251-310). Boston, MA: Little, Brown and Company.
- Rosenbek, J.C., & LaPointe, L.L. (1985). The dysarthrias: Description, diagnosis, and treatment. In D.F. Johns (Ed.), *Clinical management of neurogenic communicative disorders* (2nd ed., pp. 97-152). Boston, MA: Little, Brown and Company.
- Scott, S., & Caird, F.I. (1983). Speech therapy for Parkinson's disease. *Journal of Neurology, Neurosurgery & Psychiatry*, 46, 140-144.
- Shapiro, B., & Danly, M. (1985). The role of the right hemisphere in the control of speech prosody in prepositional and affective context. *Brain and Language*, 25, 19-36.
- Simmons, N. (1983). Acoustic analysis of ataxic dysarthria: An approach to monitoring treatment. In W. Berry (Ed.), *Clinical dysarthria* (pp. 283-294). San Diego, CA: College Hill Press.
- Tjaden, K., & Wilding, G.E. (2007). Rate and loudness manipulations in dysarthria: Acoustic and perceptual findings. *Journal of Speech, Language, and Hearing Research*, 47(4), 766-783.
- Turner, G.S., & Weismer, G. (1993). Characteristics of speaking rate in the dysarthria associated with amyotrophic lateral sclerosis. *Journal of Speech, Language, and Hearing Research*, 36(6), 1134-1144.
- Vance, J.E. (1994). Prosodic deviation in dysarthria: A case study. *European Journal of Disorders of Communication*, 29(1), 61-76.
- Weismer, G., Laures, J.S., Jeng, J., Kent, R.D., & Kent J.F. (2000). Effects of speaking rate manipulations on acoustic and perceptual aspects of dysarthria in amyotrophic lateral sclerosis. *Folia Phoniatica et Logopaedica*, 52(5), 201-219.
- Yorkston, K.M. (1996, October). Treatment efficacy: Dysarthria. *Journal of Speech and Hearing Research*, 39(5), S46-S57.
- Yorkston, K.M., & Beukelman, D.R. (1981a). Ataxic dysarthria: Treatment sequences based on intelligibility and prosodic considerations. *Journal of Speech and Hearing Disorders*, 46, 398-404.
- Yorkston, K.M., & Beukelman, D.R. (1981b). Communication efficiency of dysarthric speakers as measured by sentence intelligibility and speaking rate. *Journal of Speech and Hearing Disorders*, 46, 296-301.
- Yorkston, K.M., Beukelman, D.R., & Bell, K.R. (1988). *Clinical management of dysarthric speakers*. San Diego, CA: College Hill Press.
- Yorkston, K.M., Beukelman, D.R., Minifie, F.D., & Sapir, F. (1984). Assessment of stress patterning. In M.R. McNeil, J.C. Rosenbek, & A.E. Aronson (Eds.), *The dysarthrias: Physiology, acoustics, perception and management* (pp. 131-162). San Diego, CA: College Hill Press.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., Hakel, M., Beukelman, D.R., & Fager, S. (2007). Evidence for effectiveness of treatment of loudness, rate or prosody in dysarthria: A systematic review. *Journal of Medical Speech-Language Pathology*, 15(2), xi-xxxvi.
- Yorkston, K.M., Hammen, B.L., Beukelman, D.R., & Traynor, C.D. (1990). The effect of rate control on the intelligibility and naturalness of dysarthric speech. *Journal of Speech and Hearing Disorders*, 55, 550-561.

Chapter 9: Intelligibility, Comprehensibility, Efficiency, and Environment

- Ansel, B., McNeil, M., Hunker, C., & Bless, D. (1983). The frequency of verbal and acoustic adjustments used by cerebral palsied dysarthric adults when faced with communicative failure. In W. Berry (Ed.), *Clinical dysarthria* (pp. 85-108). San Diego, CA: College Hill Press.
- Beliveau, C., Hodge, M., & Hagler, P. (1995). Effect of supplemental linguistic cues on the intelligibility of severely dysarthric speakers. *Augmentative and Alternative Communication, 11*(3), 176-186.
- Berry, W., & Sanders, F. (1983). Environmental education: The universal management approach for adults with dysarthria. *Clinical dysarthria*. San Diego, CA: College Hill Press.
- Beukelman, D.R., Fager, S., Ullman, C., Hanson, F., & Logemann, J.A. (2002). The impact of speech supplementation and clear speech on the intelligibility and speaking rate of speakers with traumatic brain injury. *Journal of Medical Speech-Language Pathology, 10*(4), 237-242.
- Carter, C.R., Yorkston, K.M., Strand, E.A., & Hammen, V.L. (1996). The effects of semantic and syntactic content on the actual and estimated sentence intelligibility of dysarthric speakers. In D.A. Robin, K.M. Yorkston, & D.R. Beukelman (Eds.), *Disorders of motor speech* (pp. 67-88). Baltimore, MD: Brookes Publishing Co.
- Cicerone, K.D., Mott, T., Azulay, J., & Friel, J.C. (2004). Community integration and satisfaction with functioning after intensive cognitive rehabilitation for traumatic brain injury. *Archives of Physical Medicine and Rehabilitation, 85*(6), 943-950.
- Crow, E., & Enderby, P. (1989). The effects of an alphabet chart on the speaking rate and intelligibility of speakers with dysarthria. In K.M. Yorkston, & D.R. Beukelman (Eds.), *Recent advances in clinical dysarthria* (pp. 99-107). Austin, TX: PRO-ED.
- Dagenais, P.A., Watts, C.R., Turnage, L.M., & Kennedy, S. (1999). Intelligibility and acceptability of moderately dysarthric speech by three different types of listeners. *Journal of Medical Speech-Language Pathology, 7*, 91-96.
- Donovan, N.J., Kendall, D.L., Young, M.E., & Rosenbek, J.C. (2008). The communicative effectiveness survey: Preliminary evidence of construct validity. *American Journal of Speech-Language Pathology, 17*(7), 335-347.
- Duffy, J.R. (2005). *Motor speech disorders: Substrates, differential diagnosis, and management* (2nd ed.). St. Louis, MO: Elsevier Mosby.
- Garcia, J.M., & Cannito, M.P. (1996a). Influence of verbal and non-verbal context on sentence intelligibility of a speaker with dysarthria. *Journal of Speech, Language, and Hearing Research, 39*(4), 750-760.
- Garcia, J.M., & Cannito, M.P. (1996b). Top down influences on the intelligibility of a dysarthric speaker: Addition of natural gestures and situational context. In D.A. Robin, K.M. Yorkston, & D.R. Beukelman (Eds.), *Disorders of motor speech* (pp. 67-88). Baltimore, MD: Brookes Publishing Co.
- Garcia, J.M., Crowe, L.K., Redler, D., & Hustad, K. (2004). Effects of spontaneous gestures on comprehension and intelligibility of dysarthric speech: A case report. *Journal of Medical Speech-Language Pathology, 12*(4), 145-148.
- Hammen, V.L., Yorkston, K.M., & Dowden, P.A. (1991). Index of contextual intelligibility I: Impact of semantic context in dysarthria. In C.A. Moore, K.M. Yorkston, & D.R. Beukelman (Eds.), *Dysarthria and apraxia of speech: Perspectives on intervention* (pp. 43-54). Baltimore, MD: Brookes Publishing Co.
- Hanson, E.K., Beukelman, D.R., Fager, S., & Ullman, C. (2004). Listener attitudes toward speech supplementation strategies used by speakers with dysarthria. *Journal of Medical Speech-Language Pathology, 12*(4), 161-166.
- Hanson, E.K., Yorkston, K.M., & Beukelman, D.R. (2004). Speech supplementation techniques for dysarthria: A systematic review. *Journal of Medical Speech-Language Pathology, 12*(2), ix-xxix.
- Helm-Estabrooks, N., Hanson, E., Yorkston, K., & Beukelman, D. (2004). Speech supplementation techniques for dysarthria: A systematic review. *Journal of Medical Speech-Language Pathology, 12*(2), ix-xxix.
- Hustad, K.C. (2001). Unfamiliar listeners' evaluation of speech supplementation strategies for improving the effectiveness of severely dysarthric speech. *Augmentative and Alternative Communication, 17*, 213-220.
- Hustad, K.C. (2008). The relationship between listener comprehension and intelligibility scores for speakers with dysarthria. *Journal of Speech, Language, and Hearing Research, 51*, 562-573.
- Hustad, K.C., & Beukelman, D.R. (2001). Effects of linguistic cues and stimulus cohesion on intelligibility of severely dysarthric speech. *Journal of Speech, Language, and Hearing Research, 44*, 497-510.
- Hustad, K.C., & Beukelman, D.R. (2002). Listener comprehension of severely dysarthric speech: Effects of linguistic cues and stimulus cohesion. *Journal of Speech, Language, and Hearing Research, 45*, 545-558.
- Hustad, K.C., & Garcia, J.M. (2005). Aided and unaided speech supplementation strategies: Effects on intelligibility and speech rate of individuals with chronic severe dysarthria. *Journal of Speech, Language, and Hearing Research, 48*, 996-1012.
- Hustad, K.C., & Gearhart, K.J. (2004). Listener attitudes toward individuals with cerebral palsy who use speech supplementation strategies. *American Journal of Speech-Language Pathology, 13*, 168-181.
- Hustad, K.C., & Lee, J. (2008). Changes in speech production associated with alphabet supplementation. *Journal of Speech, Language, and Hearing Research, 51*, 1438-1450.
- Hustad, K.C., & Weismer, G. (2007). A continuum of intervention for individuals with dysarthria: Compensatory and impairment-oriented treatment approaches. In G. Weismer (Ed.), *Motor speech disorders: Essays for Ray Kent* (pp. 261-303). San Diego, CA: Plural Publishing.
- Jette, A.M., Tao, W., & Haley, S.M. (2007). Blending activity and participation sub-domains of the ICF. *Disability and Rehabilitation, 29*(22), 1742-1750.
- Johnston, M.V., Goverover, Y., & Dijkers, M. (2005). Community activities and individuals' satisfaction with them: Quality of life in the first year after traumatic brain injury. *Archives of Physical Medicine and Rehabilitation, 86*(4), 735-745.
- McHenry, M.A. (1999). Aerodynamic, acoustic and perceptual measures of nasality following traumatic brain injury. *Brain Injury, 13*, 281-290.
- Southwood, H.M., & Weismer, G. (1993). Listener judgments of the bizarreness, acceptability, naturalness, and normalcy of the dysarthria associated with amyotrophic lateral sclerosis. *Journal of Medical Speech-Language Pathology, 1*, 151-161.
- Strand, E.A. (2009, November 19-21). *Management of motor speech disorders in degenerative neurologic disease*. Short course presented at the American Speech-Language-Hearing Association (ASHA) Annual Convention, New Orleans, LA.
- Walshe, M. (2003). The impact of acquired neurological dysarthria on the speaker's self-concept. *Journal of Neurolinguistics, 2*, 89-102.

- Weismer, G. (2006). Philosophy of research in motor speech disorders. *Clinical Linguistics & Phonetics*, 20(5), 315-349.
- Yorkston, K.M., Baylor, C.R., Dietz, J., Dudgeon, B.J., Eadie, T., Miller, R.M., Amtmann, D. (2008). Developing a scale of communicative participation: A cognitive interviewing study. *Disability and Rehabilitation*, 30(6), 425-433.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.
- Yorkston, K.M., & Strand, E.A. (1996). Comprehensibility of dysarthric speech: Implications for assessment and treatment planning. *American Journal of Speech-Language Pathology*, 5, 55-66.
- Chapter 10: Dysarthria in Children**
- Achilles, R.F. (1955). Communicative anomalies of individuals with cerebral palsy. *Cerebral Palsy Review*, 16(5), 15-24.
- American Speech-Language-Hearing Association (ASHA). (2007). *Childhood apraxia of speech* [Technical Report]. Available from www.asha.org/policy
- Andrews, G., Platt, L.J., & Young, M. (1977). Factors affecting intelligibility of cerebral palsied speech to the average listener. *Folia Phoniatrica et Logopaedica*, 29, 292-301.
- Bax, M., Tydeman, C., & Flodmark, O. (2006). Clinical and MRI correlates of cerebral palsy: The European cerebral palsy. *JAMA*, 296(13), 1602-1608.
- Berry, M., & Eisenson, J. (1956). *Speech disorders*. New York, NY: Appleton-Century-Crofts.
- Blumberg, M. (1995). Respiration and speech in the cerebral palsied child. *American Journal of Diseases of Children*, 89, 48-53.
- Campbell, S.K. (1991). Central nervous system dysfunction in children. In S.K. Campbell (Ed.), *Pediatric neurologic physical therapy* (2nd ed., pp. 1-17). New York, NY: Churchill Livingstone.
- Cans, C. (2000). Surveillance of cerebral palsy in Europe: A collaboration of cerebral palsy surveys and registers. *Developmental Medicine and Child Neurology*, 42, 816-824.
- Caruso, A.J., & Strand, E.A. (1999). Motor speech disorders in children: Definitions, background, and a theoretical framework. In A. Caruso & E. Strand (Eds.), *Clinical management of motor speech disorders in children* (pp. 1-28). New York, NY: Thieme Medical Publishers.
- Chavez, M., Grollmus, Z., & Donat, F. (2008). Clinical prevalence of drooling in infant cerebral palsy. *Medicina Oral, Patologia Oral y Cirugia Bucal*, 13(1), E22-26.
- Clark, H.M. (2003, November). Neuromuscular treatments for speech and swallowing: A tutorial. *Journal of Speech-Language Pathology*, 12, 400-415. doi: 10.1044/1058-0360(2003/086)
- Clement, M., & Twitchell, R. (1959). Dysarthria in cerebral palsy. *Journal of Speech and Hearing Disorders*, 24, 118-122.
- Crary, M.A. (1993). *Developmental motor speech disorders*. San Diego, CA: Singular.
- Cress, C.J., & Marvin, C. (2003). Common questions about AAC services in early intervention. *Augmentative and Alternative Communication*, 19(4), 254-272.
- Davison, P.M., Razzell, R.E., & Watson, A.C. (1990). The role of pharyngoplasty in congenital neurogenic speech disorders. *British Journal of Plastic Surgery*, 43(2), 187-196.
- Docking, K.M., & Murdoch, B.E. (2010). Duchenne muscular dystrophy. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* (2nd ed., pp. 311-313). New York, NY: Thieme Medical Publishers.
- Farmer, A., & Lenicione, R. (1977). An extraneous vocal behavior in cerebral palsied speakers. *British Journal of Disorders of Communication*, 12, 109-118.
- Hodge, M.M., & Wellman, L. (1999). Clinical management of children with dysarthria. In A. Caruso & E. Strand (Eds.), *Clinical management of motor speech disorders in children* (pp. 209-280). New York, NY: Thieme Medical Publishers.
- Hodson, B.W., & Paden, E.P. (1991). *Targeting intelligible speech*. San Diego, CA: College Hill Press.
- Hustad, K.C. (2010). Childhood dysarthria—Cerebral palsy. In K.M. Yorkston, D.R. Beukelman, E.A. Strand, & M. Hakel (Eds.), *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.
- Hustad, K.C., Morehouse, T.M., & Gutman, M. (2002). AAC strategies for enhancing the usefulness of natural speech in children with severe intelligibility challenges. In J. Reichle, D.R. Beukelman, & J.C. Light (Eds.), *Exemplary practices for beginning communicators: Implications for AAC* (pp. 433-452). Baltimore, MD: Brookes Publishing.
- Hustad, K.C., & Shapley, K.L. (2003). AAC and natural speech in individuals with developmental disabilities. In J.C. Light, D.R. Beukelman, & J. Reichle (Eds.), *Communicative competence for individuals who use AAC* (pp. 147-162). Baltimore, MD: Brookes Publishing.
- Ingram, T.T.S., & Barn, J. (1961). A description and classification of common speech disorders associated with cerebral palsy. *Cerebral Palsy Bulletin*, 3(1), 57-58.
- Jordan, F. (1990). Speech and language disorders following childhood closed head injury. In B. Murdoch (Ed.), *Acquired neurological speech and language disorders in childhood* (pp. 124-144). Fromby, UK: Taylor & Francis.
- Kent, R.D. (1999). Motor control: Neurophysiology and functional development. In A. Caruso & E. Strand (Eds.), *Clinical management of motor speech disorders in children*. New York, NY: Thieme Medical Publishers.
- Kent, R.D., Kent, J.F., & Rosenbek, J.C. (1987). Maximum performance tests of speech production. *Journal of Speech and Hearing Disorders*, 52, 367-387.
- Kent, R.D., & Netsell, R. (1978). Articulatory abnormalities in athetoid cerebral palsy. *Journal of Speech and Hearing Disorders*, 43, 353-373.
- Lepage, C., Noreau, L., Bernard, P., & Fougeyrollas, R. (1998). Profile of handicap situations in children with cerebral palsy. *Scandinavian Journal of Rehabilitation Medicine*, 30, 263-272.
- Light, J.C., Parsons, A.R., & Drager, K. (2002). There's more to life than cookies: Developing interaction for social closeness with beginning communicators who use AAC. In J. Reichle, D.R. Beukelman, & J.C. Light (Eds.), *Exemplary practices for beginning communicators: Implications for AAC* (pp. 187-218). Baltimore, MD: Brookes Publishing.
- Love, R.J. (2000). *Childhood motor speech disability* (2nd ed.). Boston, MA: Allyn & Bacon.

- Love, R.J., & Webb, W.G. (1996). *Neurology for the speech-language pathologist* (3rd ed.). Boston, MA: Butterworth & Heinemann.
- Maas, E., Freedman, S.E., & Robin, D.A. (2010). *Traumatic brain injury in clinical management of sensorimotor speech disorders*. In M.R. McNeil (Ed.), New York, NY: Thieme Medical Publishers.
- Max, J.E., Robin, D.A., Lindgren, S.D., Smith, W.L., Jr., Sato, Y., Mattheis, P.J., et al. (1997). Traumatic brain injury in children and adolescents: Psychiatric disorders at two years. *Journal of the American Academy of Child and Adolescent Psychiatry*, 36, 1278-1285.
- McCauley, R.J., Strand, E., Lof, G.L., Schooling, T., & Frymark, T. (2009, November 1). Evidence-based systematic review: Effects of nonspeech oral motor exercises on speech. *Journal of Speech-Language Pathology*, 18(4), 343-360.
- Miller, D.C., Light, J.C., & Schlosser, R.W. (2006). The impact of augmentative and alternative communication intervention on the speech production of individuals with developmental disabilities: A research review. *Journal of Speech, Language, and Hearing Research*, 49, 248-264.
- Miller, R., & Groher, M. (1990). *Medical speech pathology*. Rockville, MD: Aspen Publishers.
- Mohamed, K., Appleton, R., & Nicolaidis, P. (2000, September). Delayed diagnosis of Duchenne muscular dystrophy. *European Journal of Pediatric Neurology*, 4(5), 219-223.
- National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health (NIH). (2009). Retrieved from http://www.ninds.nih.gov/disorders/friedreichs_ataxia/detail_friedreichs_ataxia.htm
- Neilson, P., & O'Dwyer, N. (1984). Reproducibility and variability of speech muscle activity in athetoid cerebral palsy. *Journal of Speech and Hearing Research*, 27, 502-517.
- Odding, E., Roebroek, M.E., & Stam, H. (2006). The epidemiology of cerebral palsy: Incidence, impairments and risk factors. *Disability and Rehabilitation*, 28(4), 183-191.
- Pellegrino, L. (2002). Cerebral palsy. In M.L. Batshaw (Ed.), *Children with disabilities* (5th ed., pp. 443-466). Baltimore, MD: Brookes Publishing.
- Pennington, L., Goldbart, J., & Marshall, J. (2004). Speech and language therapy to improve the communication skills of children with cerebral palsy. *Cochrane Database of Systematic Review*, 2, 1-51.
- Pennington, L., Goldbart, J., & Marshall, J. (2005). Direct speech and language therapy for children with cerebral palsy: Findings from a systematic review. *Developmental Medicine and Child Neurology*, 47, 57-63.
- Pennington, L., Smallman, C., & Farrier, F. (2006). Intensive dysarthria therapy for older children with cerebral palsy: Findings from six cases. *Child Language Teaching Therapy*, 22, 255-273.
- Perkins, W.H., Kent, R.D., and Curlee, R.F. (1991). A theory of neuropsycholinguistic function in stuttering. *Journal of Speech and Hearing Research*, 34, 734-752.
- Platt, L.J., Andrews, G., & Howie, P. (1980). Dysarthria of adult cerebral palsy: II. Phonemic analysis of articulation errors. *Journal of Speech, Language, and Hearing Research*, 23, 41-55.
- Platt, L.J., Andrews, G., Young, M., & Quinn, P.T. (1980). Dysarthria of adult cerebral palsy: I. Intelligibility and articulatory impairment. *Journal of Speech, Language, and Hearing Research*, 23, 28-40.
- Romski, M., & Sevcik, R.A. (2005). Augmentative communication and early intervention: Myths and realities. *Infants and Young Children*, 18(3), 174-185.
- Rosenbaum, P.L., Paneth, N., Leviton, A., Goldstein, M., & Bax, M. (2007). A report: The definition and classification of cerebral palsy. *Developmental Medicine and Child Neurology*, 49, (Supp. 109), 8-14.
- Sanger, T.D., Delgado, M., Gaebler-Spira, D., Hallett, M., & Mink, J. (2003). Classification and definition of disorders causing hypertonia in childhood. *Pediatrics*, 111, E89-97.
- Schmidt, R.A. (1988). *Motor control and learning: A behavioral emphasis* (2nd ed.). Champaign, IL: Human Kinetics.
- Solomon N.P., & Charron, S. (1998). Speech breathing in able-bodied children and children with cerebral palsy: A review of the literature and implications for intervention. *American Journal of Speech-Language Pathology*, 7(2), 61-78.
- Stathopoulos, E.T., & Sapienza, C.M. (1997). Developmental changes in laryngeal and respiratory function with variations in sound pressure level. *Journal of Speech, Language, and Hearing Research*, 40(3), 595-614.
- Stierwalt, J.G., Robin, D.A., Solomon, N.P., Weiss, A.L., Max, J.E., & Luschei, E.S. (1994). *Dysarthria following traumatic brain injury: Strength, endurance and speech ability*. Paper presented at the Conference on Motor Speech, Sedona, AZ.
- Strand, E.A., & McCauley, R.J. (1999). Assessment procedures for treatment planning in children with phonologic and motor speech disorders. In A.J. Caruso & E.A. Strand (Eds.), *Clinical management of motor speech disorders in children*. New York, NY: Thieme Medical Publishers.
- Thompson, C.K. (1988). Articulation disorders in the child with neurogenic pathology. In N. Lass, L. McReynolds, J. Northern, & D. Yoder (Eds.), *Handbook of speech-language pathology and audiology* (pp. 548-590). Toronto, ON: BC Decker.
- Whitehill, T.L. (2010). Spastic cerebral palsy. In M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders*. New York, NY: Thieme Medical Publishers.
- Williamson, C.G., & Anzalone, M. (1997). Sensory integration: A key component of the evaluation and treatment of young children with severe difficulties in relating and communicating. *Zero to Three*, 17, 29-36.
- Wit, J., Maassen, B., Gabreels, F.J.M., & Thoonen, G. (1993). Maximum performance tests in children with developmental spastic dysarthria. *Journal of Speech and Hearing Research*, 36, 452-459.
- Workinger, M. (2005). *Cerebral palsy resource guide for speech-language pathologists*. Clinton Park, NY: Thomson-Delmar Learning.
- Workinger, M.S., & Kent, R.D. (1991). Perceptual analysis of the dysarthria in children with athetoid and spastic cerebral palsy. In C. Moore, K.M. Yorkston, & D.R. Beukelman (Eds.), *Dysarthria and apraxia of speech: Perspectives on management* (pp. 109-126). Baltimore, MD: Brookes Publishing.
- Yeargin-Allsopp, M., Braun, K., Doernberg, N., Benedict, R., Kirby, R., & Durkin, M. (2008). Prevalence of cerebral palsy in 8-year old children in three areas of the United States in 2002: A multisite collaboration. *Pediatrics*, 121, 547-554.
- Yorkston, K.M., Beukelman, D.R., Strand, E.A., & Hakel, M. (2010). *Management of motor speech disorders in children and adults* (3rd ed.). Austin, TX: PRO-ED.