

## Oral Motor Function Suggested Readings

- Abbs, J., & Welt, C. (1985). Structure and Function of the Lateral Precentral Cortex: Significance for Speech Motor Control. In R. Daniloff (Ed.), *Speech Science: Recent Advances*. San Diego: College-Hill Press.
- Ackermann, H., Hertrich, I., & Scharf, G. (1995). Kinematic Analysis of Lower Lip Movements in Ataxic Dysarthria. *Journal of Speech and Hearing Research*, 38, 1252-1259.
- Adams, R., & Victor, M. (1985). *Principles of Neurology*. New York: McGraw-Hill.
- Affleck, G., Tennen, H., & Rowe, J. (1991). *Infants in Crisis: How Parents Cope with Newborn Intensive Care and Its Aftermath*. New York: Springer-Verlag.
- Alexander, R. (1983). Developing Pre-Speech and Feeding Abilities in Children. In S. Shanks (Ed.), *Nursing and the Management of Pediatric Communication Disorders*. San Diego, California: College-Hill Press.
- Anderson, D. (1963). Development of Function in Mastication. *Journal of Dental Research Supplement*, 42, 381-384.
- The Anatomical Chart Series, Classic Library Edition*. (1993). Available from Anatomical Chart Company, Skokie, Illinois.
- Angelos, G.M., Smith, D.R., Jorgenson, R., & Sweeney, E.A. (1989). Oral Complications Associated with Neonatal Oral Tracheal Intubation: A Critical Review. *Pediatric Dentistry*, 11, 133-140.
- Ardran, G., & Kemp, F. (1970). Some Important Factors in the Assessment of Oropharyngeal Function. *Developmental Medicine and Child Neurology*, 12, 156-158.
- Arvedson, J.C., & Brodsky, L (Eds.). (1992). *Pediatric Swallowing and Feeding, Assessment and Management*. San Diego: Singular Publishing Group.
- Ash, S.P., & Moss, J. P. (1987). Development of the Premature Palate. *BJO*, 14, 253-261.
- Ault, M.N., Guy, B., Rues, J., Noto, L., & Guess, D. (1994). Some Educational Implications for Students With Profound Disabilities At Risk for Inadequate Nutrition and the Nontherapeutic Effects of Medication. *Mental Retardation*, 32 (3), 200-205.
- Bailey, E.F., & Hoit, J.D. (2002). Speaking and Breathing in High Respiratory Drive. *Journal of Speech, Language, and Hearing Research*, 45, 89-99.
- Bahr, D.C. (2001). *Oral Motor Assessment and Treatment: Ages and Stages*. Allyn and Bacon.
- Ballard, K.J., Robin, D.A., Woodworth, G., & Zimba, L.D. (2001). Age-Related Changes in Motor Control During Articulator Visuomotor Tracking. *Journal of Speech, Language, and Hearing Research*, 44, 763-777.
- Barlow, S., & Abbs, J. (1983). Force Transducers for the Evaluation of Labial, Lingual and Mandibular Motor Impairments. *Journal of Speech and Hearing Research*, 26, 616-621.
- Barlow, S., & Abbs, J. (1984). Orofacial Fine Motor Control Impairments in Congenital Spasticity: Evidence Against Hypertonus-Related Performance Deficits. *Journal of Neurology*, 34, 145-150.

- Baroff, G.S. (2000). Eugenics, "Baby Doe," and Peter Singer: Toward a More "Perfect" Society. *Mental Retardation*, Feb. 2000, 75.
- Bateson, E., & Ostry, D. (1995). An Analysis of the Dimensionality of Jaw Movement in Speech. *Journal of Phonetics*, 23, 101-117.
- Beckman, D. (1986, Rev.2006) *Oral Motor Assessment and Intervention*. Winter Park, FL: Beckman & Associates, Inc., [www.beckmanoralmotor.com](http://www.beckmanoralmotor.com)
- Beckman, D., & Barks, L. (1996). A Parents' Guide to Enteral Nutrition, Part Five: Why Not Change to Oral Eating? *Exceptional Parent*, 26 (12), 34-37.
- Beckman, D. A., Neal, C. D., Phirsichbaum, J.L., Stratton, L. J., Taylor, V. D. & Ratusnik, D. (2004). Range of Movement and Strength in Oral Motor Therapy: A Retrospective Study, *Florida Journal of Communication Disorders*, Vol 21, 7 – 14.
- Beckman, D., Roberts, L., & Tencza, C. (1992). *Mealtime Challenges: Eating Assistance for Individuals with Severe Oral Motor Challenges*. Produced for the Oklahoma Department of Human Services by Therapeutic Concepts, Inc.
- Behrakis, P., Baydur, A., Jaeger, M.J., & Millic-Emili, J., (1983). Lung Mechanics in Sitting and Horizontal Body Positions. *Chest*. 83, 643-646.
- Bell, M., & Stoneman, Z. (2000). Reactions to Prenatal Testing: Reflection of Religiosity and Attitudes Toward Abortion and People With Disabilities. *American Journal on Mental Retardation*, 105,(1), 1-13.
- Berkinblit, M., Feldman, A., & Fukson, O. (1986). Adaptability of Innate Motor Patterns and Motor Control Mechanisms. *Behavioral and Brain Sciences*, 9, 585-638.
- Bisch, E., Logemann, J., Rademaker, A., Kahrilas, P., & Lazarus, C. (1994). Pharyngeal Effects of Bolus Volume, Viscosity, and Temperature in Patients With Dysphagia Resulting From Neurologic Impairment and in Normal Subjects. *Journal of Speech and Hearing Research*, 37, 1041-1049.
- Biersdorff, K. K. (1994). Incidence of Significantly Altered Pain Experience Among Individuals with Developmental Disabilities, *American Journal on Mental Retardation*, 98 (5), 619-631.
- Birch, L.L., Marlin, D.W. (1982). I Don't Like It; I Never Tried It: Effects of Exposure on Two-year-old Children's Food Preferences. *Appetite*, 3, 353-360
- Blackman, J., & Nelson, C. (1985). Reinstating Oral Feedings in Children Fed by Gastrostomy Tube. *Clinical Pediatrics: 1985*. 24 (3), 434-438.
- Blair, C., Ramey, C., & Hardin, J. (1995). Early Intervention for Low Birthweight, Premature Infants: Participation and Intellectual Development. *American Journal on Mental Retardation*, 99 (5), 542-554.
- Bosma, J. F. (1973). *Oral Sensation and Perception: Fourth Symposium*. National Institute of Health, Bethesda, MD.
- Brady, S. L., Hildner, C. D., & Hutchins, B. F. (1999). Simultaneous Videofluoroscopic Swallow Study and Modified Evans Blue Dye Procedure: An Evaluation of Blue Dye Visualization in Cases of

- Known Aspiration. *Dysphagia*, 14, 146 – 149.
- Braun, M. A., & Palmer, M. M. (1985/1986). A pilot study of oral-motor dysfunction in "at-risk" infants. *Physical and Occupational Therapy in Pediatrics*, 5, 4.
- Bray, M., Beckman, D., & Barks, L. (1987). Mealtime Interventions for Persons with Comprised Oral-Motor Function. In *Problems with Eating*. The American Occupational Therapy Association, Inc., Rockville, MD, 85-107.
- Browman, C., & Goldstein, L. (1985). Dynamic Modeling of Phonetic Structure. In V.A. Fromkin (Ed.), *Phonetic Linguistics* (pp35-53). New York: Academic Press.
- Budreau, G., & Kleiber, C. (1987). Nursing Management of the Infant with an Intraoral Appliance. *JOGNN*. January, February, 23-25.
- Bunton, K., & Weismer, G. (1994). Evaluation of a Reiterant Force-Impulse Task in the Tongue. *Journal of Speech and Hearing Research*, 37, 1020-1031.
- Carpenter, M. (1976). *Human Neuroanatomy*. Baltimore: Williams & Wilkins.
- Casas, P.H., McPherson, K.A., Kenny, D.J. (1995). Durational Aspects of Oral Swallow in Neurologically Normal Children and Children with Cerebral Palsy: An Ultrasound Investigation. *Dysphagia*, 10, 155 – 159.
- Chicoine, B., McGuire, D., Hebein, S., & Gilly, D. (1994). Development of a Clinic for Adults With Down Syndrome. *Mental Retardation*. 32 (2), 100-106.
- Colemna, M., & Rogers, P. *Medical Care in Down Syndrome, a Preventive Medicine Approach* Marcel Dekker, Inc., 270 Madison Avenue, NY, NY 10016. (1-800-228-1160)
- Cooker, H., Larson, C., & Luschei, E. (1980). Evidence that the Human Jaw Stretch Reflex Increases the Resistance of the Mandible to Small Displacements. *Journal of Physiology*, 308, 61-78.
- Cooper, P.J., & Stein, A. (Eds.). (1992). *Feeding Problems and Eating Disorders in Children and Adolescents*. Philadelphia: Harwood Academic.
- Coster, S.T., Schwarz, W.H. (1987). Rheology and the Swallow-Safe Bolus. *Dysphagia*, 1, 113 – 118.
- Croft, R.D. (1992). What Consistency of Food Is Best for Children with Cerebral Palsy Who Cannot Chew? *Archives of the Disabled Child*, 67, 269 – 271.
- Dagnais, P., Critz-Crosby, P., & Adams, J. (1994). Defining and Remediating Persistent Lateral Lisps in Children Using Electropalatography: Preliminary Findings. *American Journal of Speech-Language Pathology*. September, 67-76.
- Darrel, F. L., Aronson, A., & Brown, J. R. (Eds.). (1975). Hierarchy of Motor Organization. *Motor Speech Disorders*. 3, 35-68.
- Dean, E. (1985). Effect of Body Position on Pulmonary Function. *Physical Therapy*. 65 (2), 613-618.
- Dellow, P., & Lund, J. (1971). Evidence for Central Timing of Rhythmical Mastication. *Journal of Physiology*, 215, 1-13.
- DiIorio, C., & Price, M. E. (1990). Swallowing: An Assessment Guide. *American Journal of Nursing*, July, 36-38.

- Down's Syndrome Research and Practice*, (newsletter) The Sarah Duffen Center, Belmont Street, Southsea, Hants PO5 1NA, England.
- Erenberg, A, & Nowak, A.J. (1984). Appliance for Stabilizing Orogastric and Orotracheal Tubes in Infants. *Critical Care Medicine*, 12, 669-671.
- Erenberg, A, & Nowak, A.J. (1984). Palatal Groove Formation in Neonates and Infants With Orotracheal Tubes. *AJDC*, 138, 974-975.
- Ettema, S., & Kuehn, D. P. A Quantitative Histologic Study of the Normal Human Adult Soft Palate. *Journal of Speech and Hearing Research*, 37, 303-313.
- Fadavi, S., Adeni, S., Dziedzic, K., Punwani, I., & Vidyasagar, D. (1990). Use of a Palatal Stabilizing Device in Prevention of Palatal Grooves in Premature Infants. *Critical Care Medicine*, 18, 1279-1281.
- Feldman, R., Young, R., & Koella, W. (1980). *Spasticity: Disordered Movement Control*. Chicago: Yearbook Medical Publishers.
- Forrest, K., & Weismer, G. (1995). Dynamic Aspects of Lower Lip Movement in Parkinsonian and Neurologically Normal Geriatric Speakers' Production of Stress. *Journal of Speech and Hearing Research*, 38, 260-272.
- Fucile, S., Gisel, E. & Lau, C. (2002). Oral Stimulation Accelerates the Transition from Tube to Oral Feeding in Preterm Infants. *The Journal of Pediatrics*, 141, 2, 230 – 236.
- Gisel, E.G. (1994). Oral-Motor Skills Following Sensorimotor Intervention in the Moderately Eating-Impaired Child with Cerebral Palsy. *Dysphagia*, 10, 268 – 274.
- Gisel, E.G. (1991). Effect of Food Texture on the Development of Chewing for Children Between Six Months and Two Years of Age. *Developmental Medicine Child Neurology*, 33, 69-79.
- Goffman, L. & Smith, A. (1994). Motor Unit Territories in the Human Perioral Musculature. *Journal of Speech and Hearing Research*, 37, 975-984.
- Goldberg, S. (1984). *Clinical Anatomy Made Ridiculously Simple*. Miami, FL: MedMaster, Inc.
- Goldberg, S. (1995). *Clinical Neuroanatomy Made Ridiculously Simple*. Miami, FL: MedMaster, Inc.
- Goodman, R. M., & Gorlin, R. J. (1983). *The Malformed Infant and Child: An Illustrated Guide*. New York: Oxford University Press.
- Gracco, V. (1994). Some Organizational Characteristics of Speech Movement Control. *Journal of Speech and Hearing Research*, 37, 4-27.
- Gracco, V., & Abbs, J. (1987). Programming and Execution Processes of Speech Movement Control: Potential Neural Correlates. In E. Keller and M. Kopnik (Eds.), *Motor and Sensory Processes of Language*. Hillsdale, NJ: Lawrence Erlbaum Associates, 163-174.
- Green, J.R., Moore, C.M., Higashikawa M., & Steeve, R.W. (2000). The Physiologic Development of Speech Motor Control: Lip and Jaw Coordination. *Journal of Speech, Language, and Hearing Research*, 43, 239-255.

- Green, J.R., Moore, C.M & Reilly, K.J. (2002). The Sequential Development of Jaw and Lip Control for Speech. *Journal of Speech, Language, and Hearing Research*, 45, 66-79.
- Groher, M. E. (Ed). (1984). *Dysphagia: Diagnosis and Management*. Boston: Butterworths.
- Gross, C. W. (1977). Medical Management, Nasotracheal Intubation, and Tracheostomy in the Treatment of Upper Airway Obstruction in Children. *Otolaryngology Clinics of North America*. 10, 157-166.
- Guisti Braislin, M. S., Cascella, P.W. (2005). A Preliminary Investigation of the Efficacy of Oral Motor Exercises for Children with Mild Articulation Disorders. *International Journal of Rehabilitation Research*, 28 (3), 263 – 266.
- Hannam, A., Mathews, B., & Yemm R. (1968). The Unloading Reflex in Masticatory Muscle of Man. *Archives of Oral Biology*, 13, 361-364.
- Hannam, A., & McMillan, A. (1994). Internal Organization of Human Jaw Muscles. *Critical Reviews in Oral Biology and Medicine*, 5, 55-89.
- Hanson, L.A. (1997). Breastfeeding Stimulates the Infant Immune System. *Science & Medicine*, 4, (6), 2-11.
- Hellsing, G. (1977). A Tonic Vibration Reflex Evoked in the Jaw Opening Muscles in Man. *Archives of Oral Biology*, 22, 175-180.
- Heyman, S., & Respondek, M. (1989). Detection of Pulmonary Aspiration in Children by Radionuclide "Salivagram". *Journal of Nucl. Med.*, 30 (5), 697-699.
- Hinton, V., & Arokiasamy, W. (1997). Maximum Interlabial Pressures in Normal Speakers. *Journal of Speech, Language, and Hearing Research*, 40, 400-404.
- Hirose, H., Kiritani, S., & Sawashima, M. (1982). Velocity of Articulatory Movements in Normal and Dysarthric Subjects. *Folia Phoniatica*. 34, 210-215.
- Hixon, T. (1973). Respiratory Function in Speech. In F. Minnie, T. Hixon, & F. Williams (Eds.), *Normal Aspects of Speech, Hearing, and Language*. (pp 73-126). Englewood Cliffs, NJ: Prentice-Hall.
- Hixon, T. (1982). Speech Breathing Kinematics and Mechanism Interferences Therefrom, In S. Grillner, A. Persson, B. Lindholm, & J. Lubker (Eds.) *Speech Motor Control*. New York: Pergamon Press.
- Hoit, J. D., Watson, P. J., Hixon, K.E., McMahon, P., & Johnson, C. L. (1994). Age and Velopharyngeal Function During Speech Production. *Journal of Speech and Hearing Research*, 37 (April), 295-302.
- Hollwarth, M., & Uray, E. (1985). Physiology and Pathophysiology of the Esophagus in Childhood. *Progress in Pediatric Surgery*. 18, 1-13.
- Howard, R. B., Fetters, L., & MacDonald, D. M. (1978). The Nervous System and Handicapping Conditions. In R. B. Howard & N. H. Herbold (Eds.), *Nutrition in Clinical Care*, (pp 462-492). A Blakiston Publication.

- Howie, J.M. (2004). *Neuro-Developmental Treatment Approach Theoretical Foundations and Principles of Clinical Practice*. Laguna Beach, CA: Neuro-Developmental Treatment Association. [www.ndta.org](http://www.ndta.org)
- Hunker, C., Abbs, J., & Barlow, S. (1982). The Relationship Between Parkinsonian Rigidity and Hypokinesia in the Orofacial System: A Quantitative Analysis. *Neurology*, 32, 755-761.
- Jaffe, M. B. (1980). Neurological Impairment of Speech Production: Assessment and Treatment. In K. M. Yorkston and D. R. Beukelman (Eds.), *Recent Advances in Clinical Dysarthrias*. (pp 156-184). Boston: College-Hill.
- Jones, B., & Donner, M.W. (Eds.). (1986). *Normal and Abnormal Swallowing, Imaging in Diagnosis and Therapy*. San Diego: College Hill Press.
- Jurek, G. H, & Reid, W. H., (1994). Oral Health of Institutionalized Individuals with Mental Retardation, *American Journal on Mental Retardation*, 98,( 5), 656-660.
- Kaatzke-McDonald, M.N., Post E., Davis, P.J. (1996). The Effects of Cold, Touch, and Chemical Stimulation of the Anterior Faucial Pillar on Human Swallowing. *Dysphagia*, 11, 198 – 206.
- Kamen, R.S. (1990). Impaired Development of Oral-Motor Functions Required for Normal Oral Feeding As A Consequence of Tube Feeding During Infancy. *Adv. Perit. Dial.*, 6, 276-278.
- Karmel, A. (1992). *The Healthy Baby Meal Planner*. New York: Simon & Schuster.
- Kapit, W., & Elson L. (1993). *The Anatomy Coloring Book*. New York: Harper Collins.
- Kaufman, N. R. (2001). Kaufman Speech Praxis Treatment Kit for Children. Gaylord, MI: Northern Speech Services.
- Kaufman, N.R. (1995). *The Kaufman Speech Praxis Test for Children*. Detroit, MI: Wayne State University Press.
- Kelly, E., Smith, A., & Goffman, L. (1995). Orofacial Muscle Activity of Children Who Stutter: A Preliminary Study. *Journal of Speech and Hearing Research*, 38, 1025-1036.
- Kelso, J. A. S. & Tuller, B. (1983). “Compensatory Articulation” Under Conditions of Reduced Afferent Information: A Dynamic Formulation. *Journal of Speech and Hearing Research*, 26, 217 – 224.
- Kim, J., Zajac, D.J., Warren, D.W., Mayo, R., & Essick, G.K. (1997). The Response to Sudden Change In Vocal Tract Resistance During Stop Consonant Production. *Journal of Speech, Language, And Hearing Research*, 40, 848-857.
- Kuehn, D. & Moon, J. (1994). Levator Palatini Muscle Activity in Relation to Intraoral Air Pressure Variation. *Journal of Speech and Hearing Research*, 37, 1260-1270.
- Kuna, J. (2001). The Human Genome Project and Eugenics: Identifying the Impact of Individuals With Mental Retardation. *Mental Retardation*, 39, (2), 158-160.
- Lamm, N., & Greer, R. D. (1988). Induction and Maintenance of Swallowing Responses in Infants with Dysphagia. *Journal of Applied Behavior Analysis*, 1, 143-156.
- Landis, T. L. (1999). Ethical Issues Involved in Patients’ Right to Refuse Artificially Administered



- Nutrition and Hydration and Implications for the Speech-Language Pathologist. *American Journal of Speech-Language Pathology*, 8 109 – 117.
- Lane, S.J. (2002). Structure and Function of the Sensory Systems, in Bundy, A.C., Lane, S.J. & Murray, E.A. (2002). *Sensory Integration Theory and Practice*, 2<sup>nd</sup> Ed, Philadelphia, PA: F.A. Davis Company.
- Langmore, S.E., Terpenning, M.S., Schork, A., Chen, Y., Murray, J.T., Lopatin, D., & Loesche, W.J. (1998). Predictors of Aspiration Pneumonia: How Important is Dysphagia? *Dysphagia*, 13, (2), 69-81.
- Lansky, V. (1993). *Games Babies Play*. MJF Books: New York, New York.
- Larson, K., & Sapir, S. (1995). Orolaryngeal Reflex Responses to Changes in Affective State. *Journal of Speech and Hearing Research*, 38, 990-1000.
- Levin, M., & Feldman, A. (1994). The Role of Stretch Reflex Threshold Regulation in Normal and Impaired Motor Control. *Brain Research*, 657, 23-30.
- Lichtman, S., Birnbaum, I., Sanfilippo, M., Pellicone, J., Damon, W., & King, M. (1995). Effect of a Tracheostomy Speaking Valve on Secretions, Arterial Oxygenation, and Olfaction: A Quantitative Evaluation. *Journal of Speech and Hearing Research*, 38, 549-555.
- Limbrock, G.J., Hoyer, H., & Scheying, H. (1990). Drooling, Chewing and Swallowing Dysfunction in Children with Cerebral Palsy: Treatment According to Castillo-Morales. *ASDC J Dent Child*, 57 (6), 445-451.
- Line, W. S., Hawkins, D. B., MacLaughlin, E. F., Kahlstrom, E. J., & Ensley, J. L. (1986). Tracheostomy in Infants and Young Children: The Changing Perspective 1970-1985. *Laryngoscope*. 96, 510-515.
- Lofqvist, A., & Gracco, V.L. (1997). Lip and Jaw Kinematics in Bilabial Stop Consonant Production. *Journal of Speech, Language, and Hearing Research*, 40, 877-893.
- Logan, W. J., & Bosma, J. F. (1967). Oral and Pharyngeal Dysphagia in Infancy. *Pediatric Clinics of North America*. 15, 147-161.
- Logemann, J. (1983). *Evaluation and Treatment of Swallowing Disorders*. Boston: College-Hill Press.
- Loucks, T.M., & De Nil, L.F. (2001). The Effects of Masseter Tendon Vibration on Nonspeech Oral Movements and Vowel Gestures. *Journal of Speech, Language, and Hearing Research*, 44, 306-316.
- Luiselli, J. K. (1994). Oral Feeding Treatment of Children with Chronic Food Refusal and Multiple Developmental Disabilities, *American Journal on Mental Retardation*, 98 (5), 646-655.
- Luschei, E., & Goldberg, L. (1981). Neural Mechanisms of Mandibular Control: Mastication and Voluntary Biting. In V.B. Brooks (Ed.), *Handbook of Physiology, the Nervous System, Vol. II, Part 2* (pp. 1237-1274). Bethesda, MD: American Physiological Society.
- MacNeilage, P., & DeClark, J. (1969). On the Motor Control of Coarticulation in CVC Syllables. *Journal of the Acoustical Society of America*. 45, 1217-1233.
- Maes, B., Fryns, J.P., Ghesquiere, P., & Borghgraef, M. (2000). Phenotypic Checklist to Screen for Fragile X Syndrome in People With Mental Retardation. *Mental Retardation*, 38, (3), 207-215.

- Marshall, D., McAllister, S., Healey, R., Phillips, L., & Simpson-Sowah, S. (1986). *Physical Management for Severely/Profoundly Handicapped, for All Staff*. (rev. ed.) [written materials and videotapes]. (Available from Developmental Services Program Office, 1311 Winewood Blvd., Tallahassee, FL).
- Marshall, P. (1999). *Oral Motor Techniques in Articulation and Phonological Therapy: Millennium Edition*. Temecula, CA: Speech Dynamics.
- Martinez-Selva, J., Garcia-Sanchez, F., & Florit, R. (1995). Electrodermal Orienting Activity in Children With Down Syndrome. *American Journal on Mental Retardation*, 100 (1), 51-58.
- McClellan, M. (1984). Recruitment Thresholds of Lower-Lip Motor Units with Changes in Movement Direction. *Journal of Speech and Hearing Research*. 27, 6-12.
- McClellan, M. D. (1988). Neuromotor Aspects of Speech Production and Dysarthria. In K. M. Yorkston, D. R. Beukelman, and K. R. Bell (Eds.), *Clinical Management of Dysarthric Speakers*. Boston: College-Hill Press.
- McClellan, M., Beukelman, D., and Yorkson, K. (1977). Speech-Muscle Visuomotor Tracking in Dysarthric and Nonimpaired Speakers. *Journal of Speech and Hearing Research*. 20, 276-282.
- McClellan, M., & Clay, J. (1995). Activation of Lip Motor Units With Variations in Speech Rate and Phonetic Structure. *Journal of Speech and Hearing Research*, 38, 772-782.
- McHenry, M., Minton, J., Wilson, R., & Post, Y. (1994). Intelligibility and Nonspeech Orofacial Strength and Force Control Following Traumatic Brain Injury. *Journal of Speech and Hearing Research*, 37, 1271-1283.
- McMinn, R., Hutchings, R., & Logan, B. (1994). *Color Atlas of Head and Neck Anatomy, Second Edition*. London, England: Times Mirror International.
- McNeil, M. R., & Kennedy, J. G. (1984). Measuring the Effects of Treatment of Dysarthria: Knowing When to Change or Terminate. *Seminars in Speech and Language*. 4, (4), 337-358.
- Miller, J.L., Watkin, K.L., & Chen, M.F. (2002). Muscle, Adipose, and Connective Tissue Variations in Intrinsic Musculature of the Adult Human Tongue. *Journal of Speech, Language, and Hearing Research*, 45, 51-65.
- Miller, R.M., & Groher, M.E. (1998). *Medical Speech Pathology*. Seattle, Washington.
- Moore, C. (1993). Symmetry of Mandibular Muscle Activity as an Index of Coordinative Strategy. *Journal of Speech and Hearing Research*, 36, 1145-1157.
- Moore, C., & Ruark, J.L. (1996). Does Speech Emerge From Earlier Appearing Oral Motor Behaviors? *Journal of Speech and Hearing Research*, 39, 1034-1047.
- Morris, S. E. (1982). *Normal Acquisition of Oral Feeding Skills*. New York: Therapeutic Media.
- Morris, S. E. (1982). *Pre-Speech Assessment Scale*, (rev. ed.). Clifton, NJ: J. A. Preston.
- Morris, S. E., & Klein, M. D. (1987). *Pre-Feeding Skills*. Tucson, AZ: Therapy Skill Builders.



- Morris, S. E. (1989). Development of Oral-Motor Skills in the Neurologically Impaired Child Receiving Non-Oral Feedings. *Dysphagia*, 3, 135-154.
- Moyers, R. E. (1971). Postnatal Development of Orofacial Musculature. *ASHA Reports*. 6, 38-47.
- Mudford, O.C., Cross, B.A., Breen, S., Cullen, C., Reeves, D., Gould, J., & Douglas, J. (2000). Auditory Integration Training for Children With Autism: No Behavioral Benefits Detected. *American Journal on Mental Retardation*, 105, (2), 118-129.
- Neilson, P., & O'Dwyer, N. (1984). Reproducibility and Variability of Speech Muscle Activity in Athetoid Dysarthria of Cerebral Palsy. *Journal of Speech and Hearing Research*. 27, 502-517.
- Neilson, P., Andrews, G., Guitar, B., & Quinn, P. (1979). Tonic Stretch Reflexes in Lip, Tongue and Jaw Muscles. *Brain Research*, 178, 311-327.
- Netsell, R. (1983). Speech Motor Control: Theoretical Issues with Clinical Impact. In W. Berry (Ed.), *Clinical Dysarthria*. San Diego: College-Hill Press.
- Osborne, J.G., Gatling, J.H., Wells, J., Blakelock, H., Peine, H., & Jenson, W. (1994). Observation and Measurement of Drooling by People With Mental Retardation. *Mental Retardation*. 32 (4), 288-298.
- Ostry, D.J., & Flanagan, J.R. (1989). Human Jaw Movement in Mastication and Speech. *Archives of Oral Biology*, 34, 685-693.
- Oetter, P., Richter, E. & Frick, S. (1993). *M.O.R.E. – Integrating the Mouth with Sensory and Postural Functions* (2<sup>nd</sup> Ed), Hugo, MN, PDP Press.
- Paillard, J. (1983). Introductory Lecture: The Functional Labelling of Neutral Codes. In J. Massion, J. Paillard, W. Schultz and M. Wiesendanger (Eds.), *Neural Coding of Motor Performance*. (pp. 1-19). Berlin: Springer-Verlag.
- Palmer, M. M. (1990). *Neonatal Oral-Motor Assessment Scale*. Copyright by Marjorie Myer Palmer.
- Palmer, M. M., Crawley, K., & Blanco, I. (1993). Neonatal Oral-Motor Assessment Scale: A Reliability Study. *Journal of Perinatology*, 13, 1.
- Pauloski, R. Logemann, J., Fox, J., & Colangelo, L. (1995). Biomechanical Analysis of the Pharyngeal Swallow in Postsurgical Patients With Anterior Tongue and Floor of Mouth Resection and Distal Flap Reconstruction. *Journal of Speech and Hearing Research*, 38, 110-123.
- Perrier, P., Ostry, J., & Laboissiere, R. (1996). The Equilibrium Point Hypothesis and Its Application to Speech Motor Control. *Journal of Speech and Hearing Research*. 39 (2), 365-377.
- Pueschel, S.M., & Pueschel, J. K. (Editors). (1992). *Biomedical Concerns in Persons with Down Syndrome*. Baltimore: Paul H. Brooks Publishing Co.
- Rademaker, A.W., Pauloski, B. R., Logemann, J. A., & Shanahan, T. K. (1994). Oropharyngeal Swallow Efficiency as a Representative Measure of Swallowing Function, *Journal of Speech and Hearing Research*, 37, 314-325.
- Ramey, C. T., Bryant, D., Sparling, J. J., et al: (1985). Educational Interventions to Enhance Intellectual Development: Comprehensive Day Care Versus Family Education. In S. Harel & N. Anastasiow (Eds). *The At-Risk Infant: Psycho/Social Medical Aspects*. (pp. 75-85). Baltimore, MD: Paul H. Brooks.

- Robbins, J. (1999). Old Swallowing and Dysphagia: Thought on Intervention and Prevention. *Nutrition and Clinical Practice*, 14 Supplement, S21 – S26.
- Rogers, J. C., & Snow, T. (1982). An Assessment of Feeding Behaviors in Institutionalized Elderly. *American Journal of Occupational Therapy*. 36, 130-136.
- Rowe, J. S., & Geggie, J. (1987). Intervention for a Nonoral Feeder. *Problems with Eating*, The American Occupational Therapy Association, Inc., 15-20.
- Ruark, J.L. & Moore, C.A. (1997). Coordination of Lip Muscle Activity by 2-year-old Children During Speech and Nonspeech Tasks. *Journal of Speech, Language, and Hearing Research*, 40, 1373-1385.
- Ray, J. (2003). Orofacial Myofunctional Therapy in Dysarthria: A Study on Speech Intelligibility. *International Journal of Orofacial Myology*, 29, 5 – 14.
- Ray, J. (2002). Orofacial Myofunctional Therapy in Dysarthria: A Study on Speech Intelligibility. *International Journal of Orofacial Myology*, 28, 39 – 48.
- Rosenfeld-Johnson, S. (1999). *Oral-Motor Exercises for Speech Clarity*. Tucson, AZ: Innovative Therapists International.
- Satter, E. (1987). *How to Get Your Kid to Eat, But not too Much: From Birth to Adolescence*. Bull Publishing Co. PO Box 208, Palo Alto, CA 94302-0206.
- Saunders, B.S., Easa, D., & Slaughter, R.J. (1976). Acquired Palatal Groove in Neonates. *The Journal of Pediatrics*, 89, 988-989.
- Schmidt, R.A. & Lee, T. D. (1999), *Motor Control and Learning, A Behavioral Emphasis* (3<sup>rd</sup> Ed) Human Kinetics, Champaign, IL, in Howie, J.M. (2004). *Neuro-Developmental Treatment Approach Theoretical Foundations and Principles of Clinical Practice*. Neuro-Developmental Treatment Association, Laguna Beach, CA. [www.ndta.org](http://www.ndta.org)
- Scott, A., Perry, A., & Bench, J. (1998). Study of Interrater Reliability When Using Videofluoroscopy as an Assessment of Swallowing. *Dysphagia*, 13, 223 – 227.
- Selly, W.G., Ellism R.E., Flack, F.C., & Brooks, W.A. (1990). Coordination of Sucking, Swallowing and Breathing in the Newborn: Its Relationship to Infant Feeding and Normal Development. *British J Discord Commun*, 25 (3), 311-327.
- Seow, W.K., Brown, J.P., Tudehope, D.I., & O'Callaghan, M. (1984). Developmental Defects in the Primary Dentition of Low Birth-Weight Infants: Adverse Effects of Laryngoscopy and Prolonged Endotracheal Intubation. *Pediatric Dentistry*, 6, 28-31.
- Shaiman, S., Adams, S.G., & Kimelman, M.D.Z. (1997). Velocity Profiles of Lip Protrusion Across Changes in Speaking Rate. *Journal of Speech, Language, and Hearing Research*, 40, 144-158.
- Shaw, W.C., Bannister, R.P. & Roberts, C.T. (1999). Assisted Feeding is More Reliable for Infants with Clefts – A Randomized Trial. *Cleft Palate – Craniofacial Journal*, 36, 262 – 268.
- Sheppard, J. J. (1964). Cranio-Oropharyngeal Motor Patterns in Dysarthria Associated Cerebral Palsy. *Journal of Speech and Hearing Research*. 7, 373-380.
- Shprintzen, R.J. (2000). *Syndrome Identification for Speech-Language Pathology: An Illustrated*

- Pocket Guide*. San Diego, CA: Singular Publishing Group.
- Shriberg, L., Aram, D. & Kwiatkowski, J. (1997). Developmental Apraxia of Speech: I, II, & III. *Journal of Speech and Hearing Research*, 40, 273-337.
- Solomon, N.P. & Munson, B. (2004). The Effect of Jaw Position on Measures of Tongue Strength and Endurance. *Journal of Speech, Language, and Hearing Research*, 47, 584-594.
- Solomon, N.P., Robin, D.A., & Luschei, E.S. (2000). Strength, Endurance, and Stability of the Tongue and Hand in Parkinson Disease. *Journal of Speech, Language, and Hearing Research*, 42, 256-267.
- Stark, F. (1991). *Start Exploring Gray's Anatomy*. Philadelphia: Running Press Book Publishers.
- Stoller, L.C. (1998). *Low-Tech Assistive Devices: A Handbook for the School Setting*. Therapro, Inc.
- Stolovitz, P., & Gisel, E.G. (1991). Circumoral Movements in Response to Three Different Food Textures in Children 6-Months to 2-Years of Age. *Dysphagia*, 6 (1), 17-25.
- Strominger, A. Z., Winkler, M. R., & Cohen, L. T. (1984). Speech and Language Evaluation. In S. M. Pueschel (Ed.), *The Young Child with Down's Syndrome*. (pp 253-261). New York: Human Sciences Press, Inc.
- Stein, P, Grillner, S, Selverston, A, & Stuart, D. (1997). *Neurons, Networks, and Motor Behavior*. Cambridge, MA.: The MIT Press.
- Sullivan, P.G. (1982). An Appliance to Support Oral Intubation in the Premature Infant. *British Dental Journal*. March , 191-194.
- Takemoto, H. (2001). Morphological Analyses of the Human Tongue Musculature for Three-Dimensional Modeling. *Journal of Speech, Language, and Hearing Research*, 44, 95-107.
- Tasko, S. M., & Westbury, J.R. (2002). Defining and Measuring Speech Movement Events. *Journal of Speech, Language, and Hearing Research*, 45, 127-142.
- Terry, P.B., & Fuller, S.D. (1989). Pulmonary Consequences of Aspiration. *Dysphagia*, 3 (4), 179-183.
- Till, J., Yorkston, K., & Beukelman, D. (1994). *Motor Speech Disorders*. Baltimore: Paul H. Brookes.
- Tsao, Y., & Weismer, G. (1997). Interspeaker Variation in Habitual Speaking Rate: Evidence for a Neuromuscular Component. *Journal of Speech, Language, and Hearing Research*, 40, 858-866.
- van Lieshout, P., & Moussa, W. (2000). The Assessment of Speech Motor Behaviors Using Electromagnetic Articulography. *The Phonetician*, 81, 9 – 22.
- van Lieshout, P. H. H. M., Rutjens, C.A.W., & Spauwen, P.H.M. (2002). The Dynamics of Interlip Coupling in Speakers With a Repaired Unilateral Cleft-Lip History. *Journal of Speech, Language, and Hearing Research*, 45, 5-19.b
- Vergara, E., Adams, S., Masin, H., & Beckman, D. (1993). Contemporary Therapies for Infants and Toddlers: Preferred Approaches. In Bryant, D.M., and Graham, M.A. (eds.) *Implementing Early Intervention: From Research to Effective Practice*, New York: Guilford Publications.
- Watson, A., & Celestin, L. R. (1981). *Disorders of the Oesophagus*. London: Pitman

- Webber, S. G. (1998). *Webber Articulation Cards*. Greenville, SC: Super Duper Publications.
- White, P.F. (2001). *Diagnosis and Management for the Speech-Language Pathologist-Second Edition*. Butterworth-Heinemann.
- Whurr, R., Bhatia, K., Masarei, A., Lorch, M., Kingsley, D., Pramstaller, Pl, & Srinivasan, A. (1999). The Incidence and Nature of Dysphagia Following Botulinum Toxin Injections for Torticollis: A Prospective Study of 123 Patients. *Journal of Medical Speech-Language Pathology*, 7, 195 – 207.
- Wohlert, A. (1996). Tactile Perception of Spatial Stimuli on the Lip Surface by Young and Older Adults. *Journal of Speech and Hearing Research*, 39, 1191-1198.
- Wohlert, A., & Goffman, L. (1994). Human Perioral Muscle Activation Patterns. *Journal of Speech and Hearing Research*, 37, 1032-1040.
- Wolf, L.S., & Glass, R.P. (1992). *Feeding and Swallowing Disorders in Infancy, Assessment and Management*. Tucson, AZ: Therapy Skill Builders.
- Yorkston, K., Beukelman, D., & Bell, K. (1988). *Clinical Management of Dysarthric Speakers*. Boston: College-Hill Press.
- Zajac, D., & Mayo, R. (1996). Aerodynamic and Temporal Aspects of Velopharyngeal Function in Normal Speakers. *Journal of Speech and Hearing Research*, 39, 1199-1207.
- Zlatin, M. A. (1967). Development of Speech, Language, Auditory and Oral Function in the Presence of Congenital Sensory Neuropathy. In J. Bosma (Ed.), *Symposium on Oral Sensation and Perception*. (pp 381-388). Springfield: Thomas.

## **Gastrointestinal Tract Function**

### **Suggested Readings**

- Alexander, F. (1993). Pyloric Stenosis and Congenital Anomalies of the Stomach and Duodenum. In R. Yllie & J.S. Hyams (Eds.), *Pediatric Gastrointestinal Disease: Pathophysiology, Diagnosis, And Management* (pp. 414-428). Philadelphia: W.B. Saunders Company.
- Allanson, J. E. (1988). G Syndrome: An Unusual Family. *American Journal of Medical Genetics*, 31, 637 - 664.
- Amundson, J.A., Sherbondy, A., Van Dyke, D.C., & Alexander, R. (1994). Early Identification and Treatment Necessary to Prevent Malnutrition in Children and Adolescents with Severe Disabilities. *Journal of the American Dietetic Association*, 94(8), 880-883.
- Arya, S., Viseskul, C., & Gilbert, E. F. (1980). The G Syndrome: Additional Observations. *American Journal of Medical Genetics*, 5, 31-34.
- Blackman, J., & Nelson, C. (1985). Reinstating Oral Feedings in Children Fed by Gastrostomy Tube. *Clinical Pediatrics: 1985*. 24 (8), 434-438.
- Borowitz, S.M., Borowitz, K.C. (1997). Gastroesophageal Reflux in Babies: Impact on Growth and Development. *Infants and Young Children*, 10, 14 – 26.
- Burtch, G., & Shatney, C. (1985). Feeding Gastrostomy: Assistant or Assassin? *The American Surgeon*. 51, 204-207.
- Bray, M., Barks, L., & Beckman, D. (1987). Crisis Intervention for Persons with Severe Eating Difficulty. In *Problems with Eating*. The American Occupational Therapy Association, Inc. Rockville, MD. 65-83.
- Bui, H. D., Dang, C. V., Chaney, R. H., & Vergara, L. M. (1989). Does Gastrostomy and Fundoplication Prevent Aspiration Pneumonia in Mentally Retarded Persons? *American Journal on Mental Retardation*. 94, 16-19.
- Cadman, D., et al. (1978). Gastro-Esophageal Reflux in Severely Retarded Children. *Developmental Medicine and Child Neurology*. 20, 95-98.

- Campbell, J., & Sasaki, T. (1974). Gastrostomy in Infants and Children: An Analysis of Complications and Techniques. *The American Surgeon*. September, 505-508.
- Cappa, M., Borrelli, P., Marini, R., & Neri, G. (1987). The Opitz Syndrome: A New Designation for the Clinically Indistinguishable BBB and G Syndromes. *American Journal of Medical Genetics*, 8, 303-309.
- Contencin, P., & Narcy, P. (1992). Gastropharyngeal Reflux in Infants and Children. A Pharyngeal pH Monitoring Study. *Archives of Otolaryngology - Head and Neck Surgery*, 118(10), 1028-1030.
- Davenport, H. W. (1984). *Physiology of the Digestive Tract*. Chicago, IL: Year Book Medical Publishers, Inc.
- Fonkalsrud, E., et al. (1978). Gastroesophageal Fundoplication for the Management of Reflux in Infants and Children. *The Journal of Thoracic and Cardiovascular Surgery*. 76, 655-664.
- Gallagher, M., et al. (1973). Gastrostomy in Pediatric Patients: An Analysis of Complications and Techniques. *Surgery*. 74, 536-539.
- Goodall, R., et al. (1981). Relationship Between Asthma and Gastro-Oesophageal Reflux. *Thorax*. 36, 116-121.
- Guggenbichler, J. P., & Menardi, G. (1985). Conservative Treatment of Gastroesophageal Reflux and Hiatus Hernia. *Progress in Pediatric Surgery*. 18, 78-83.
- Gustafsson, P.M., & Tibbling, L. (1994). Gastroesophageal Reflux and Esophageal Dysfunction in Children and Adolescents with Brain Damage. *Acta Paediatrica*, 83(10), 1081-1085.
- Haws, E. B., et al. (1966). Complications of Tube Gastrostomy in Infants and Children: 15 year review of 240 cases. *Annals of Surgery*. 164, 284-290.
- Holmes, T. W. (1971). Chhalasia, Peptic, Esophagitis and Hiatal Hernia, A Common Syndrome in Patients with Central Nervous System Disease. *Chest*. 60, 441-445.
- Howell, L., and Smith, J. D. (1989). G Syndrome and its Otolaryngologic Manifestations. *Ann. Otol. Rhinol. Laryng.*, 98, 185-190.
- Marshall, D., McAllister, S., Healey, R., Phillips, L., & Simpson-Sowah, S. (1986). *Physical Management for Severely/Profoundly Handicapped for All Staff*. (rev, ed.) [written materials and videotapes]. (Available from Developmental Services Program Office, 1311 Winewood Blvd., Tallahassee, FL).
- Molliott, D., Golladay, E., & Seibert, J. (1985). Symptomatic Gastroesophageal Reflux Following Gastrostomy in Neurologically Impaired Patients. *Pediatrics*. 75, 1124-1126.
- Nielson, D.W., Helft, G.P., & Tooley, W.H. (1990). Stridor and Gastroesophageal Reflux in Infants. *Pediatrics*, 85(6), 1034-1039.
- Olivencia, J. A., & Berandi, R. L. (1977). Temporary Tube Gastrostomy - A Five-Year Study. *Journal of the Medical Society*. 67, 362-366.
- Orenstein, S.R. (1990). Prone Positioning in Infant Gastroesophageal Reflux: Is Elevation of the Head Worth the Trouble? *The Journal of Pediatrics*, 117. 184-187.



- Orenstein, S.R., Shalaby, T.M., & Putnam, P.E. (1992). Thickened Feedings as a Cause of Increased Coughing When Used as Therapy for Gastroesophageal Reflux in Infants. *The Journal of Pediatrics*, 121, 913-915.
- Orenstein, S.R., & Whittington, P.F. (1983). Positioning for Prevention of Infant Gastroesophageal Reflux. *The Journal of Pediatrics*, 103, 534-537.
- Puntis, J.W.L., Ritson, D.G., Holden, C.E., & Buick, R.G. (1990). Growth and Feeding Problems after Repair of Esophageal Atresia. *Archives of Disease in Childhood*, 65, 84-88.
- Raventos, J. M., Kraleman, H., & Gray, D. B. (1982). Mortality Risks of Mentally Retarded and Mentally Ill After a Feeding Gastrostomy. *American Journal of Mental Deficiency*. 86, 439-444.
- Rempel, G.R., Colwell, S.O., & Nelson, R.P. (1988). Growth in Children with Cerebral Palsy Fed Via Gastrostomy. *Pediatrics*, 82(6), 857-862.
- Reeves-Garcia, J., & Heyman, M. B. (1988). A Survey of Complications of Pediatric Home Enteral Tube Feedings and Discussion of Developmental and Psychosocial Issues. *Nutrition*, 4, (5), 375-378.
- Scharli, A. F. (1985). Gastroesophageal Reflux and Severe Mental Retardation. *Progress in Pediatric Surgery*. 18, 84-88.
- Scharli, A. F. (1984). To Nissen or not to Nissen. *Progress in Pediatric Surgery*. 18, 96-100.
- Schatzlein, M., Ballantine, T., Thirunavukkarasu, S., Fitzgerald, J., & Grosfeld, J. (1979). Gastroesophageal Reflux in Infants and Children. *Archives of Surgery*, 114 (Apr.), 505-510.
- Terry, P.B., & Fuller, S.D. Pulmonary Consequences of Aspiration. (1989). *Dysphagia*, 3 (4): 179-183.
- Yu, V. Y. (1975). Effect of Body Position on Gastric Emptying in the Neonate. *Archives of Disease in Children*. 50, 500-504.

## **PALATAL PLATE ARTICLES**

Beckman, 1999

Angelos, G.M., Smith, D.R., Jorgenson, R., & Sweeney, E.A. (1989). Oral Complications Associated with Neonatal Oral Tracheal Intubation: A Critical Review. *Pediatric Dentistry*, 11, 133-140.

Ash, S.P., & Moss, J. P. (1987). Development of the Premature Palate. *BJO*, 14, 253-261.

Budreau, G., & Kleiber, C. (1987). Nursing Management of the Infant with an Intraoral Appliance. *JOGNN*. January, February, 23-25.

Erenberg, A, & Nowak, A.J. (1984). Appliance for Stabilizing Orogastric and Orotracheal Tubes in Infants. *Critical Care Medicine*, 12, 669-671.

Erenberg, A, & Nowak, A.J. (1984). Palatal Groove Formation in Neonates and Infants With Orotracheal Tubes. *American Journal Dis Child*, 138, 974-975.

Fadavi, S., Adeni, S., Dziedzic, K., Punwani, I., & Vidyasagar, D. (1990). Use of a Palatal Stabilizing Device in Prevention of Palatal Grooves in Premature Infants. *Critical Care Medicine*, 18, 1279-1281.

Saunders, B.S., Easa, D., & Slaughter, R.J. (1976). Acquired Palatal Groove in Neonates. *The Journal of Pediatrics*, 89, 988-989.

Seow, W.K., Brown, J.P., Tudehope, D.I., & O'Callaghan, M. (1984). Developmental Defects in the Primary Dentition of Low Birth-Weight Infants: Adverse Effects of Laryngoscopy and Prolonged Endotracheal Intubation. *Pediatric Dentistry*, 6, 28-31.

Sullivan, P.G. (1982). An Appliance to Support Oral Intubation in the Premature Infant. *British Dental Journal*. March , 191-194.