




LEADERSPROJECT
TEACHERS COLLEGE • COLUMBIA UNIVERSITY

Cleft Palate Speech and Feeding

Train the Trainer






LEADERSPROJECT
TEACHERS COLLEGE • COLUMBIA UNIVERSITY

Module 7:

- Why Non-Speech Oral Motor Exercises Do Not Work



Written by:
Catherine (Cate) J. Crowley, J.D., Ph.D., CCC-SLP
Miriam Baigorri Ph.D., CCC-SLP
Chelsea Sommer M.S., CF-SLP

With contributions by:
Casey Sheren, Sam Home, Marcos Sastre, Grace Fidos, & Julie Smith

Why Non-Speech Oral Motor Exercises Do Not Work

Play Video #10 entitled
"Why Non-Speech Oral Motor Exercises Do Not Work"

This video covers the latest research by Gregory Lof on the lack of efficacy behind using non-speech oral motor exercises to treat cleft palate speech errors.

Credits

Catherine (Cate) Crowley, J.D., Ph.D., CCC-SLP
Miriam Baigorri, Ph.D., CCC-SLP
Chelsea Sommer, M.S., CF-SLP



Credits

Graduate Research Associates and SLP master's students:
Marcos Sastre III, B.S.
Casey Sheren, B.A.
Sara Horne, B.S.

Graduate Research Assistants and SLP master's students:
Johanna Kreishbuch, B.S.
Julie Smith, B.S.
Pam Kotorac, B.S.



Support and Funding Provided By:

- The Wyncote Foundation
- Smile Train
- Teachers College, Columbia University
- The Crowley Family

Special thanks to the families and children in these videos



Cite this as:

Crowley, C., Baigori, M., & Sommer, C. (2016).
Cleft Palate Speech and Feeding Video Tutorials.

Available at LEADERSProject.org



Attribution-NonCommercial-NoDerivs
CC BY-NC-ND



**All Cleft Palate Speech Therapy Resources
Available for FREE download
LEADERSProject.org**

- Discrimination Clown Picture
- Speech Sound Assessment and Stimulability
- Acevedo Spoke
- Therapy Word Games
- Therapy Books for Phrases and Sentences



Attribution-NonCommercial-NoDerivs
CC BY-NC-ND





LEADERSPROJECT
TEACHERS COLLEGE • COLUMBIA UNIVERSITY

LEADERSProject.org

Teachers College, Columbia University, 2016

All content unless otherwise stated is licensed Creative Commons Attribution-
NonCommercial-NoDerivs

CCC BY-NC-ND

For more information, please contact Dr. Catherine Crowley at
crowley@exchange.columbia.edu



Attribution-NonCommercial-NoDerivs
CC BY-NC-ND

References

- ASHA Technical Report on Childhood Apraxia of Speech (2007). <http://www.asha.org/docs/html/PS2007-00277.html>
- Bonilha, L., Moser, D., Rorden, C., Byls, G., & Fridriksson, J. (2006). Speech apraxia with oral apraxia: Can normal brain function explain the pathophysiology? *Brain Imaging*, 17(10), 1027-1031.
- Bunton, K. (2008). Speech versus non-speech: Different tasks, different neural organization. *Seminars in Speech and Language*, 29(4), 267-275.
- Bunton, K., & Weismer, G. (1994). Evaluation of a reiterant force-impulse task in the tongue. *Journal of Speech and Hearing Research*, 37, 1020-1031.
- Clark, H. (2003). Neuromuscular treatments for speech and swallowing: A tutorial. *American Journal of Speech-Language Pathology*, 12, 400-415.
- Forrest, K. (2002). Are oral-motor exercises useful in the treatment of phonological/articulatory disorders? *Seminars in Speech and Language*, 23, 15-25.
- Goldring-Kashner, K. (2001). *Therapy techniques for cleft palate speech and related disorders*. Clifton Park, NY: Thompson.
- Green, J., Moore, C., Higashikawa, M., & Steeve, R. (2000). The physiologic development of speech motor control: Lip and jaw coordination. *Journal of Speech, Language, and Hearing Research*, 43, 239-255.

References

- Green, J., & Wang, Y. (2003). Tongue surface movement patterns in speech and swallowing. *The Journal of the Acoustical Society of America*, 113, 282-283.
- Hodge, M., & Wellman, L. (1999). Management of children with dysarthria. In A. Caruso & E. Strand (Eds.), *Clinical management of motor speech disorders in children*. New York: Thieme.
- Kent, R. (2000). Research on speech motor control and its disorders: A review and perspective. *Journal of Communication Disorders*, 33, 391-428.
- Kent, R. (2004). The uniqueness of speech among motor systems. *Clinical Linguistics & Phonetics*, 18, 495-505.
- Klein, H., Lederer, S., & Cortese, E. (1991). Children's knowledge of auditory/articulatory correspondences: Phonologic and metap-honologic. *Journal of Speech and Hearing Research*, 34, 559-564.
- Koegel, L., Koegel, R., & Ingham, J. (1986). Programming rapid generalization of correct articulation through self-monitoring procedures. *Journal of Speech and Hearing Disorders*, 51, 24-32.
- Loft, G.L. (2009). The non-speech-oral motor exercise phenomenon in speech pathology practice. In C. Bower, *Children's speech sound disorders*. Oxford: Wiley-Blackwell, pp. 181-184.

References

- Loft, G.L. (2004). What does the research report about non-speech oral motor exercises and the treatment of speech sound disorders? <http://www.apraxia-kids.org/site/c.chKMIOPtSE/h980831/apps/s/content.asp?c=464461>.
- Loft, G.L. (2011). Science-based practice and the speech-language pathologist. *International Journal of Speech-Language Pathology*, 13(3), 185-196.
- Loft, G.L., & Watson, M. (2008). A nationwide survey of non-speech oral motor exercise use: Implications for evidence-based practice. *Language, Speech and Hearing Services in Schools*, 39, 392-407.
- Loft, G.L., & Watson, M. (2010). Five reasons why non-speech oral-motor exercises don't work. *Perspectives on School-Based Issues*, 11, 109-117.
- Moore, C., & Runk, J. (1996). Does speech emerge from earlier appearing motor behaviors? *Journal of Speech and Hearing Research*, 39, 1034-1047.
- Moore, C., Smith, A., & Ringel, R. (1988). Task-specific organization of activity in human jaw muscles. *Journal of Speech and Hearing Research*, 31, 670-680.
- Russello, D. (2008). An examination of non-speech oral motor exercise for children with velopharyngeal inadequacy. *Seminars in Speech and Language*, 29(4), 294-303.

References

- Sudbery, A., Wilson, E., Broadus, T., & Potter, N. (2006, Nov.). Tongue strength in preschool children: Measures, implications, and revelations. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Miami Beach, FL.
- Watson, M., & Lo, G. L. (2008). What we know about non-speech oral motor exercises. *Seminars in Speech and Language*, 29, 326-330.
- Weismer, G. (1996). Assessment of non-speech gestures in speech-language pathology: A critical review. *Telerounds 35* (videotape) National Center for Neurologic Communication Disorders, University of Arizona.
- Weismer, G. (2006). Philosophy of research in motor speech disorders. *Clinical Linguistics & Phonetics*, 20, 315-349.
- Wilson, E., Green, J., Yunusova, Y., & Moore, C. (2008). Task specificity in early oral motor development. *Seminars in Speech and Language*, 29(4), 257-265.
