

Love the Larynx: Innovating Your Approach to Disordered Voice Across Settings

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Summary:

Exposure to and training in the management of voice disorders is known to be limited, leading to the certified SLP's hesitancy to welcome the opportunity to manage them on their caseload. How do you proceed once a potential voice issue is identified? A step-by-step guide will be introduced on how to innovate your approach to voice disorders.

This intermediate 2-hour invited session is relevant for clinicians in medical and school-based settings. The pathway forward includes enhancing your competence for this population presenting with the most commonly encountered voice disorders, as well as collaborating with community resources. The voice evaluation as a means to plan for voice therapy will be discussed, including stimulability testing. Your listening and observation skills are one of the most important tools for voice therapy success. How will you put these to use? Vocal physiology will be emphasized throughout with an eye towards decision making and prioritizing vocal rehabilitation techniques. Therapy planning and the components of voice therapy will be addressed. Promoting participation and follow-through will be highlighted as there are documented challenges to attendance and adherence. The session will be interactive including introduction of, and practice with, physiologic based voice therapy techniques. This will be pulled together for you to consider what to do different tomorrow. By innovating your approach, you can effectively improve outcomes for voice disorders.

Learning Outcomes:

1. Define some physiologic considerations for vocal rehabilitation.
2. Identify community resources to support your efforts with managing voice disorders.
3. Describe your pathway to managing voice disorders in your employment setting.

References:

- Al-Kadi M, et al. Impact of voice therapy on pediatric patients with dysphonia and vocal nodules: a systematic review. *Cureus*. 2022. 14(4): e24433.
- Andriaansen A, et al. Effects of voice therapy in children with vocal fold nodules: a systematic review. *Int J Language Communication Disorders*. 2022. 57(6):1160-1193.
- ASHA Practice Portal Voice Disorders
<https://www.asha.org/practice-portal/clinical-topics/voice-disorders/>
- Bartlett RS, Carpenter AM, Chapman LK. A systematic review of adherence strategies for adult populations in speech-language pathology treatment. *AJSLP*. 2022. 31(3):1501-1516.
- Berger T, et al. Speaking voice in children and adolescents: normative data and associations with BMI, Tanner Stage, and singing activity. *J Voice*. 2018. 33(4): 580.e21-580.e30.
- Braden M. Advances in pediatric voice therapy. *ASHA Perspectives*. SIG 3. 3(Part 3):68-76.
- Braden M, et al. Patient, parent, and speech-language pathologists' perceptions of pediatric voice therapy through interviews. *AJSLP*. 2018. 27:1385-1404.

- Croake DJ et al. Descriptive analysis of the interactive patterning of the vocalization subsystems in healthy participants: A dynamic systems perspective. *JSLHR*. 2019. 62: 215-228.
- Feinstein H, Abbott Verdolini K. Behavioral treatment for benign vocal fold lesions in children: a systematic review. *AJSLP*. 2021. 30:772-788.
- Fujiki RB, et al. Voice therapy improves acoustic and auditory-perceptual outcomes in children. *Laryngoscope*. 2023. 133(4):977-983.
- Gartner-Schmidt J, et al. Voice therapy for the beginning clinician. *ASHA Perspectives*. SIG 3. 2017. 2 (Part 3):93-103.
- Gillespie A, et al. Efficacy of conversation training therapy for patients with benign vocal fold lesions and muscle tension dysphonia compared to historical matched control patients. *JSLHR*. 2019. 62(11): 4062-4079.
- Hillman RE, et al. An updated theoretical framework for vocal hyperfunction. *AJSLP*. 2020. 29(4): 2254-2260.
- Kent SAK, et al. Updated acoustic normative data through the lifespan: a scoping review. *J of Voice*. 2023.
- Lee L, et al. Quick screen for voice and supplementary documents for identifying pediatric voice disorders. *LSHSS*. 2004. 35:308-319.
- Nguyen-Feng VN, Frazier PA, Roy N, Cohen S, Misono S. Perceived control, voice handicap, and barriers to voice therapy. *Journal of Voice*. 2019. 35:2. 326e13-326e19.
- Patel R, et al. Recommended protocols for instrumental assessment of voice: ASHA expert panel to develop a protocol for instrumental assessment of vocal function. *AJSLP*. 2018. 27:887-905.
- Pozzali I, et al. Effectiveness of semi-occluded vocal tract exercises (SOVTEs) in patients with dysphonia: a systematic review and meta-analysis. *Journal of Voice*. 2021.
- Ruddy BH, Sapienza CM. Treating voice disorders in the school-based setting: working within the framework for IDEA. *LSHSS*. 2013. 35:327-332.
- Smith SL, Titze IR. Characterization of flow-resistant tubes used for semi-occluded vocal tract voice training and therapy. *J Voice*. 2017. 31(1): 113.e1-113.e8.
- Thijs Z, Knickerbocker K, Watts CR. Epidemiological patterns and treatment outcomes in a private practice community voice clinic. *Journal of Voice*. 2020. 36(3):437.3e11-437.e20.
- Titze I. Voice training and therapy with a semi-occluded vocal tract: rational and scientific underpinnings. *JSLHR*. 2006. 49:448-459.
- Titze I. Individualized patient vocal priorities for tailored therapy. *JSLHR*. 2018. 61:2884-2894.
- Van Stan J, Whyte J, et al. Voice therapy according to the Rehabilitation Specification System: Expert consensus ingredients and targets. *AJSLP*. 2021. 30: 2169-2201.
- Verdolini Abbott K, et al. Vocal exercise may attenuate acute vocal fold inflammation. *Journal of Voice*. 2012. 26(6): 814e1-814e13.

Slides available at session