Paradoxal Vocal Fold Motion By Rita Patel, PhD, CCC-SLP 11/17/21

References

References marked with an asterisk indicate studies included

in the evidence-based systematic review (but not necessarily cited

in the text).

\*Altman, K. W., Mirza, N., Ruiz, C., & Sataloff, R. T. (2000).

Paradoxical vocal fold motion: Presentation and treatment options.

Journal of Voice, 14, 99–103.

American Psychiatric Association. (1987). Diagnostic and statistical

manual of mental disorders (3rd ed., rev.). Washington, DC:

Author.

Anbar, R. D., & Hehir, D. A. (2002). Hypnosis as a diagnostic

modality for vocal cord dysfunction. Pediatrics, 106, e81.

doi:10.1542/peds.106.6.e81

Andrianopoulos,M. V., Gallivan, G. J., & Gallivan, H. (2000). PVCM,

PVCD, EPL, and irritable larynx syndrome: What are we talking

about and how do we treat it? Journal of Voice, 14, 607–618.

Appelblatt, N. H., & Baker, S. R. (1981). Functional upper airway

obstruction. Archives of Otolaryngology, 107, 305–306.

\*Archer, G. J., Hoyle, J. L., McCluskey, A., & Macdonald, J.

(2000). Inspiratory vocal cord dysfunction, a new approach in

treatment. European Respiratory Journal, 15, 617–618.

\*Bahrainwala, A. H., Simon, M. R., Harrison, D. D., Toder, D.,

& Secord, E. A. (2001). Atypical expiratory flow volume curve

in an asthmatic patient with vocal cord dysfunction. Annals of

Allergy, Asthma & Immunology, 86, 439–443.

\*Barnes, S. D., Grob, C. S., Lachman, B. S., Marsh, B. R., &

Loughlin, G. M. (1986). Psychogenic upper airway obstruction

presenting as refractory wheezing. Journal of Pediatrics, 109,

1067–1070.

\*Bittleman, D. B., Smith, R. J. H., & Weiler, J. M. (1994). Abnormal

movement of the arytenoid region during exercise presenting

as exercise-induced asthma in an adolescent athlete.

Chest, 106, 615–616.

Blager, F. B., Gay, M. L., & Wood, R. P. (1988). Voice therapy

techniques adapted to treatment of habit cough: A pilot study.

Journal of Communication Disorders, 21, 393–100.

Blake, M. L., Frymark, T., & Venediktov, R. (2013). An evidencebased

systematic review on communication treatments for individuals

with right hemisphere brain damage. American Journal

of Speech-Language Pathology, 22, 146–160.

Borg, G. M. (1970). Perceived exertion as an indicator of somatic

stress. Scandinavian Journal of Rehabilitation Medicine, 2(2),

92–98.

Brown, T. M., Merritt, W. D., & Evans, D. L. (1988). Psychogenic

vocal cord dysfunction masquerading as asthma. The Journal

of Nervous and Mental Disease, 176, 308–310.

Brugman, S. M. (2003). The many faces of vocal cord dysfunction:

What 36 years of literature tell us. American Journal of

Respiratory and Critical Care Medicine, 167, A588.

Bucca, C., Rolla, G., Brussino, L., De Rose, V., & Bugiani, M.

(1995). Are asthma-like symptoms due to bronchial or extrathoracic

airway dysfunction? The Lancet, 346, 791–795.

\*Campainha, S., Ribeiro, C., Guimarães, M., & Lima, R. (2012).

Vocal cord dysfunction: A frequently forgotten entity. Case Reports

in Pulmonology, 2012, 525493. doi:10.1155/2012/525493

Campbell, A. H., Mestitz, H., & Pierce, R. (1990). Brief upper

airway (laryngeal) dysfunction. Australian and New Zealand

Journal of Medicine, 20, 663–668.

\*Chawla, S. S., Upadhyay, B. K., & MacDonnell, K. F. (1984).

Laryngeal spasm mimicking bronchial asthma. Annals of Allergy,

53, 319–321.

Cherney, L. R., Patterson, J. P., Raymer, A., Frymark, T., &

Schooling, T. (2008). Evidence-based systematic review: Effects

of intensity of treatment and constraint-induced language

therapy for individuals with stroke-induced aphasia. Journal of

Speech, Language, and Hearing Research, 51, 1282–1299.

doi:10.1044/1092-4388(2008/07-0206)

\*Chiang, T., Marcinow, A. M., deSilva, B. W., Ence, B. N.,

Lindsey, S. E., & Forrest, L. A. (2013). Exercise-induced

paradoxical vocal fold motion disorder: Diagnosis and

management. Laryngoscope, 123, 727–731. doi:10.1002/

lary.23654

\*Chiang, W. C., Goh, A., Ho, L., Tang, J. P., & Chay, O. M.

(2008). Paradoxical vocal cord dysfunction: When a wheeze is

not asthma. Singapore Medical Journal, 49(4), e110–e112.

\*Christopher, K. L., Wood, R. P., II, Eckert, R. C., Blager, F. B.,

Raney, R. A., & Souhrada, J. F. (1983). Vocal-cord dysfunction

presenting as asthma. New England Journal of Medicine,

308, 1566–1570.

Ciccolella, D. E., Brennan, K. J., Borbely, B., & Criner, G. J.

(1997). Identification of vocal cord dysfunction (VCD) and

other diagnoses in patients admitted to an inner city university

hospital asthma center. American Journal of Respiratory Critical

Care Medicine, 155, A82.

Collett, P. W., Brancatisano, T., & Engel, L. A. (1983). Spasmodic

croup in the adult. The American Review of Respiratory Disease,

127, 500–504.

\*Corren, J., & Newman, K. B. (1992). Vocal cord dysfunction

mimicking bronchial asthma. Postgraduate Medicine, 92(6),

153–156.

\*Craig, T., Sitz, K., Squire, E., Smith, L., & Carpenter, G. (1992).

Vocal cord dysfunction during wartime. Military Medicine,

157, 614–616.

Denoyelle, F., Garabedian, E. N., Roger, G., & Tashjian, G.

(1996). Laryngeal dyskinesia as a cause of stridor in infants.

Archives of Head and Neck Surgery, 122, 612–616.

\*Doshi, D. R., & Weinberger, M. M. (2006). Long-term outcome

of vocal cord dysfunction. Annals of Allergy, Asthma & Immunology,

96, 794–799.

\*Earles, J., Kerr, B., & Kellar, M. (2003). Psychophysiologic

treatment of vocal cord dysfunction. Annals of Allergy, Asthma

& Immunology, 90, 669–671.

\*Echternach,M., Delb, W., Verse, T., & Richter, B. (2008). Does isolated

expiratory vocal cord dysfunction exist? Otolaryngology—

Head and Neck Surgery, 138, 805–806.

Freedman, M. R., Rosenberg, S. J., & Schmaling, K. B. (1991).

Childhood sexual abuse in patients with paradoxical vocal

cord dysfunction. The Journal of Nervous and Mental Disease,

179, 295–298.

Geist, R., & Tallett, S. E. (1990). Diagnosis and management of

psychogenic stridor caused by a conversion disorder. Pediatrics,

86, 315–317.

\*Harbison, J., Dodd, J., & McNicholas, W. T. (2000). Paradoxical

vocal cord motion causing stridor after thyroidectomy. Thorax,

55, 533–534.

\*Hatzelis, V., & Murry, T. (2012). Paradoxical vocal fold motion:

Respiratory retraining to manage long-term symptoms. Jornal

da Sociedade Brasileira de Fonoaudiologia, 24(1), 80–85.

\*Hayes, J. P., Nolan, M. T., Brennan, N., & FitzGerald, M. X.

(1993). Three cases of paradoxical vocal cord adduction

followed up over a 10-year period. Chest, 104, 678–680.

Heiser, J. M., Kahn, M. L., & Schmidt, T. A. (1990). Functional

airway obstruction presenting as stridor: A case. The Journal

of Emergency Medicine, 8, 285–289.

Jain, S., Bandi, V., Officer, T., Zimmerman, J., Hanania, N., &

Guntupalli, K. (1999). Incidence of vocal cord dysfunction in

patients presenting to emergency room with acute asthma exacerbation.

Chest, 116(Suppl. 2), 243S.

580 American Journal of Speech-Language Pathology • Vol. 24 • 566–584 • August 2015

**Downloaded From: http://ajslp.pubs.asha.org/ by Indiana University, Bloomington, Rita Patel on 08/30/2015**

**Terms of Use: http://pubs.asha.org/ss/rights\_and\_permissions.aspx**

\*Kayani, S., & Shannon, D. C. (1998). Vocal cord dysfunction

associated with exercise in adolescent girls. Chest, 113,

540–542.

Kellman, R. M., & Leopold, D. A. (1982). Paradoxical vocal cord

motion: An important cause of stridor. The Laryngoscope, 92,

58–60.

Kenn, K., & Schmitz, M. (1997). Prevalence of vocal cord dysfunction

in patients with dyspnea: First prospective clinical study.

American Journal of Respiratory and Critical Care Medicine,

155, A965.

Kissoon, N., Kronick, J. B., & Frewen, T. C. (1988). Psychogenic

upper airway obstruction. Pediatrics, 81, 714–717.

\*Kivity, S., Bibi, H., Schwarz, Y., Greif, Y., Topilsky, M., &

Tabachnick, E. (1986). Variable vocal cord dysfunction presenting

as wheezing and exercise-induced asthma. Journal of

Asthma, 23, 241–244.

\*Koester, M. C., & Amundson, C. L. (2002). Seeing the forest

through the wheeze: A case-study approach to diagnosing paradoxical

vocal-cord dysfunction. Journal of Athletic Training,

37, 320–324.

Koufman, J. A., & Block, C. (2008). Differential diagnosis of paradoxical

vocal fold movement. American Journal of Speech-

Language Pathology, 17, 327–334.

Kuppersmith, R., Rosen, D. S., & Wiatrak, B. J. (1993). Functional

stridor in adolescents. Journal of Adolescent Health, 14,

166–171.

Lacy, T. J., & McManis, S. E. (1994). Psychogenic stridor. General

Hospital Psychiatry, 16, 213–223.

Landwehr, L. P., Wood, R. P., Blager, F. B., & Milgrom, H.

(1996). Vocal cord dysfunction mimicking exercise-induced

bronchospasm in adolescents. Pediatrics, 98, 971–974.

Lawrence, S. G. (2007). Laryngeal dyskinesia: An under-recognized

condition. Emergency Medicine Australia, 19, 96–104.

\*Leo, R. J., & Konakanchi, R. (1999). Psychogenic respiratory

distress: A case of paradoxical vocal cord dysfunction and literature

review. Primary Care Companion to the Journal of

Clinical Psychiatry, 1(2), 39–46.

Loughlin, C. J., & Koufman, J. A. (1996). Paroxysmal laryngospasm

secondary to gastroesophageal reflux. The Laryngoscope,

106, 1502–1505.

\*Marsh, C. B., Trudeau, M. D., & Weiland, J. E. (1994). Recurrent

asthma despite corticosteroid therapy in a 35-year-old

woman. Chest, 105, 1855–1857.

Martin, R. J., Blager, F. B., Gay, M. L., & Wood, R. P. (1987).

Paradoxic vocal cord motion in presumed asthmatics. Seminars

in Respiratory Medicine, 8, 332–337.

\*Maschka, D. A., Bauman, N. M., McCray, P. B., Hoffman, H. T.,

Karnell, M. P., & Smith, R. J. H. (1997). A classification

scheme for paradoxical vocal cord motion. Laryngoscope,

107, 1429–1435.

\*Mathers-Schmidt, B. A. (2001). Paradoxical vocal fold motion:

A tutorial on a complex disorder and the speech-language

pathologist’s role. American Journal of Speech-Language

Pathology, 10, 111–125. doi:10.1044/1058-0360(2001/012)

\*Mathers-Schmidt, B. A., & Brilla, L. R. (2005). Inspiratory muscle

training in exercise-induced paradoxical vocal fold motion.

Journal of Voice, 19, 635–644.

Mathew, C. P., & Remmers, J. (1984). Respiratory function of the

upper airway. In N. A. Saunders, C. E. Sullivan (Eds.), Sleep

and breathing (pp. 163–200). New York, NY: Marcel Dekker.

\*Maturo, S., Hill, C., Bunting, G., Baliff, C., Ramakrishna, J.,

Scirica, C., . . . Hartnick, C. (2011). Pediatric paradoxical vocalfold

motion: Presentation and natural history. Pediatrics, 128,

e1443–e1449.

McFadden, E. R., & Zawadski, D. K. (1996). Vocal cord dysfunction

masquerading as exercise-induced asthma: A

physiologic cause for “choking” during athletic activities.

American Journal of Respiratory and Critical Care Medicine,

153, 942–947.

Michelsen, L. G., & Vanderspek, F. L. (1988). An unexpected

functional cause of upper airway obstruction. Anaesthesia, 43,

1028–1030.

\*Mobeireek, A., Alhamad, A., Al-Subaei, A., & Alzeer, A. (1995).

Psychogenic vocal cord dysfunction simulating bronchial

asthma. European Respiratory Journal, 8, 1978–1981.

Morris, M. J., Allan, P. F., & Perkins, P. J. (2006). Vocal cord

dysfunction. Obstructive Airways Disease, 13, 73–86.

Morris, M. J., Deal, L. E., Bean, D. R., Grbach, V. X., & Morgan,

J. A. (1999). Vocal cord dysfunction in patients with exertional

dyspnea. Chest, 116, 1676–1682.

Morrison, M., Rammage, L., & Emami, A. J. (1999). The irritable

larynx syndrome. Journal of Voice, 13, 447–455.

\*Mullinax, M. C., & Kuhn, W. F. (1996). Benign paradoxical vocal

cord adduction presenting as acute stridor. European Journal of

Emergency Medicine, 3(2), 102–105.

\*Murry, T. (1998). Chronic cough: In search of the etiology. Seminars

in Speech and Language, 19(1), 83–90.

\*Murry, T., Branski, R. C., Yu, K., Cukier-Blaj, S., Duflo, S., &

Aviv, J. E. (2010). Laryngeal sensory deficits in patients with

chronic cough and paradoxical vocal fold movement disorder.

Laryngoscope, 120, 1576–1581.

\*Murry, T., Tabaee, A., & Aviv, J. E. (2004). Respiratory retraining

of refractory cough and laryngopharyngeal reflux in patients

with paradoxical vocal fold movement disorder. Laryngoscope,

114, 1341–1345.

\*Murry, T., Tabaee, A., Owczarzak, V., & Aviv, J. E. (2006). Respiratory

retraining therapy and management of laryngopharyngeal

reflux in the treatment of patients with cough and

paradoxical vocal fold movement disorder. Annals of Otology,

Rhinology & Laryngology, 115, 754–758.

\*Nacci, A., Fattori, B., Segnini, G., Dallan, I., Panicucci, E.,

Rocchi, V., & Ursino, F. (2011). Respiratory retraining therapy

in long-term treatment of paradoxical vocal fold dysfunction.

Folia Phoniatrica et Logopaedica, 63(3), 134–141.

\*Nacci, A., Fattori, B., Ursino, F., Rocchi, V., Matteucci, F., Citi,

C., . . . Dallan, I. (2007). Paradoxical vocal cord dysfunction:

Clinical experience and personal considerations. Acta Otorhinolaryngologica

Italica, 27(5), 248–254.

Newman, K. B., Mason, U. G., & Schmaling, K. B. (1995). Clinical

features of vocal cord dysfunction. American Journal of

Respiratory and Critical Care Medicine, 152, 1382–1386.

\*Niven, R. M., Roberts, T., Pickering, C. A., & Webb, A. K.

(1992). Functional upper airways obstruction presenting as

asthma. Respiratory Medicine, 86, 513–516.

O’Connell, M. A., Sklarew, P. R., & Goodman, D. L. (1995).

Spectrum of presentation of paradoxical vocal cord motion in

ambulatory patients. Annals of Allergy, Asthma & Immunology,

74, 341–344.

Ophir, K., Katz, Y., Tavori, I., & Aladjem, M. (1990). Functional

upper airway obstruction in adolescents. Archives of Otolaryngology—

Head & Neck Surgery, 116, 1208–1209.

Patterson, R., Schatz, M., & Horton, M. (1974). Munchausen’s

stridor: Non-organic laryngeal obstruction. Clinical Allergy,

4, 307–310.

Perkner, J. J., Fennelly, K. P., Balkissoon, R., Bartelson, B. B.,

Ruttenber, A., Wood, R. P., & Newman, L. S. (1998). Irritantassociated

vocal cord dysfunction. Journal of Occupational and

Environmental Medicine, 40, 136–143.

Patel et al.: Effects of SLP Treatment for PVFM 581

**Downloaded From: http://ajslp.pubs.asha.org/ by Indiana University, Bloomington, Rita Patel on 08/30/2015**

**Terms of Use: http://pubs.asha.org/ss/rights\_and\_permissions.aspx**

Pierce, R. J., & Worsnop, C. J. (1999). Upper airway function

and dysfunction in respiration. Clinical and Experimental

Pharmacology and Physiology, 26, 1–10.

\*Pinho, S. M. R., Tsuji, D. H., Sennes, L., & Menezes, M. (1997).

Paradoxical vocal fold movement: A case report. Journal of

Voice, 11, 368–372.

Pitchenik, A. F. (1991). Functional laryngeal obstruction relieved

by panting. Chest, 100, 1465–1467.

Place, R., Morrison, A., & Arce, E. (2000). Vocal cord dysfunction.

Journal of Adolescent Health, 27, 125–129.

Powell, D. M., Karanfilov, B. I., Beechler, K. B., Treole, K., Trudeau,

M. D., & Forrest, A. (2000). Paradoxical vocal cord dysfunction

in juveniles. Archives of Otolaryngology—Head & Neck Surgery,

126, 29–34.

\*Powell, S. A., Nguyen, C. T., Gaziano, J., Lewis, V., Lockey, R. F.,

& Padhya, T. A. (2007). Mass psychogenic illness presenting as

acute stridor in an adolescent female cohort. Annals of Otology,

Rhinology & Laryngology, 116, 525–531.

\*Rameau, A., Foltz, R. S., Wagner, K., & Zur, K. B. (2012). Multidisciplinary

approach to vocal cord dysfunction diagnosis

and treatment in one session: A single institutional outcome

study. International Journal of Pediatric Otorhinolaryngology,

76(1), 31–35.

Ramírez, R. J., León, I., & Rivera, L. M. (1986). Episodic laryngeal

dyskinesia: Clinical and psychiatric characterization. Chest,

90, 716–721.

\*Reisner, C., & Nelson, H. S. (1997). Vocal cord dysfunction with

nocturnal awakening. Journal of Allergy and Clinical Immunology,

99, 843–846.

\*Renz, V., Hern, J., Tostevin, P., Hung, T., & Wyatt, M. (2000).

Functional laryngeal dyskinesia: An important cause of stridor.

Journal of Laryngology and Otology, 114, 790–792.

\*Rhodes, R. K. (2008). Diagnosing vocal cord dysfunction in

young athletes. Journal of the American Academy of Nurse

Practitioners, 20, 608–613.

Rodenstein, D. O., Francis, C., & St*ǎ*nescu, D. C. (1983). Emotional

laryngeal wheezing: A new syndrome. The American

Review of Respiratory Disease, 127, 354–356.

Rogers, J. H. (1980). Functional inspiratory stridor in children.

The Journal of Laryngology and Otology, 94, 669–670.

\*Rogers, J. H., & Stell, P. M. (1978). Paradoxical movement of

the vocal cords as a cause of stridor. Journal of Laryngology

and Otology, 92, 157–158.

\*Ruddy, B. H., Davenport, P., Baylor, J., Lehman, J., Baker, S.,

& Sapienza, C. (2004). Inspiratory muscle strength training

with behavioral therapy in a case of a rower with presumed

exercise-induced paradoxical vocal-fold dysfunction.

International Journal of Pediatric Otorhinolaryngology, 68,

1327–1332.

Rundell, K. W., & Spiering, B. A. (2003). Inspiratory stridor in

elite athletes. Chest, 123, 468–474.

\*Rusakow, L. S., Blager, F. B., Barkin, R. C., & White, C. W.

(1991). Acute respiratory distress due to vocal cord dysfunction

in cystic fibrosis. Journal of Asthma, 28, 443–446.

\*Ryan, N. M., Vertigan, A. E., & Gibson, P. G. (2009). Chronic

cough and laryngeal dysfunction improve with specific treatment

of cough and paradoxical vocal fold movement. Cough,

5, 4. doi:10.1186/1745-9974-5-4

Sackett,D. L., Rosenberg,W. M. C.,Gray, J. A. M.,Haynes,R. B.,

& Richardson,W. S. (1996). Evidence-based medicine: What it is

and what it isn’t. British Medical Journal, 312, 71–72.

\*Sandage, M. J., & Zelazny, S. K. (2004). Paradoxical vocal fold

motion in children and adolescents. Language, Speech, and

Hearing Services in Schools, 35, 353–362.

Sanford, C. A., Schooling, T., & Frymark, T. (2012). Determining

the presence or absence of middle ear disorders: An evidencebased

systematic review on the diagnostic accuracy of selected

assessment instruments. American Journal of Audiology, 21,

251–268.

Sant’Ambrogio, G., & Sant’Ambrogio, F. B. (1996). Role of laryngeal

afferents in cough. Pulmonary Pharmacology, 9, 309–314.

Sapienza, C. M. (2008). Respiratory muscle strength training.

Current Opinion in Otolaryngology and Head and Neck Surgery,

16, 216–220.

Schlosser, R. W., Lee, D. L., & Wendt, O. (2008). Application of

the percentage of non-overlapping data (PND) in systematic

reviews and meta-analyses: A systematic review of reporting

characteristics. Evidence-Based Communication Assessment and

Intervention, 2(3), 163–187.

\*Sette, L., Pajno-Ferrara, F., Mocella, S., Portuese, A., & Boner,

A. L. (1993). Vocal cord dysfunction in an asthmatic child:

Case report. Journal of Asthma, 30, 407–412.

\*Shao, W., Chung, T., Berdon, W. E., Mellins, R. B., Griscom,

N. T., Ruzal-Shapiro, C., & Schneider, P. (1995). Fluoroscopic

diagnosis of laryngeal asthma (paradoxical vocal cord motion).

American Journal of Roentgenology, 165, 1229–1231.

\*Sharma, S., & Singh, B. K. H. (2007). Speech rehabilitation of

paradoxical vocal fold movement. Malaysian Journal of

Health Science, 5(1), 67–78.

Sim, T. C., McClean, S. P., Lee, J. L., Naranjo, M. S., & Grant,

J. A. (1990). Functional laryngeal obstruction: A somatization

disorder. The American Journal of Medicine, 88, 293–295.

\*Skinner, D. W., & Bradley, P. J. (1989). Psychogenic stridor.

Journal of Laryngology & Otology, 103, 383–385. doi:10.1017/

S0022215100109028

\*Smith, M. E., Darby, K. P., Kirchner, K., & Blager, F. B. (1993).

Simultaneous functional laryngeal stridor and functional aphonia

in an adolescent. American Journal of Otolaryngology, 14,

366–369.

Sukhani, R., Barclay, J., & Chow, J. (1993). Paradoxical vocal

cord motion: An unusual cause of stridor in the recovery

room. Anesthesiology, 79, 177–180.

\*Sullivan, M. D., Heywood, B. M., & Beukelman, D. R. (2001). A

treatment for vocal cord dysfunction in female athletes: An

outcome study. Laryngoscope, 111, 1751–1755.

\*Suri, J. C., Sen, M. K., Chakrabarti, S., & Mehta, C. (2002).

Vocal cord dysfunction presenting as refractory asthma. Indian

Journal of Chest Diseases & Allied Sciences, 44(1), 49–52.

\*Suttithawil, W., Chakkaphak, S., Jaruchinda, P., & Fuangtong,

R. (2006). Vocal cord dysfunction concurrent with a nutcracker

esophagus and the role of gastroesophageal reflux disease.

Annals of Allergy, Asthma & Immunology, 96, 373–375.

\*Tajchman, U. W., & Gitterman, B. (1996). Vocal cord dysfunction

associated with sexual abuse. Clinical Pediatrics, 35(2), 105–108.

\*Tan, K. L., Eng, P., & Ong, Y. Y. (1997). Vocal cord dysfunction:

Two case reports. Annals of the Academy of Medicine,

Singapore, 26, 494–496.

Tate, R. L., McDonald, S., Perdices, M., Togher, L., Schultz, R.,

& Savage, S. (2008). Rating the methodological quality of

single-subject designs and n-of-1 trials: Introducing the Single-

Case Experimental Design (SCED) Scale. Neuropsychological

Rehabilitation, 18, 385–401.

\*Tilles, S. A. (2010). Exercise-induced respiratory symptoms:

An epidemic among adolescents. Annals of Allergy, Asthma &

Immunology, 104, 361–370.

Tousignant, G., & Kleiman, S. J. (1992). Functional stridor diagnosed

by the anaesthetist. Canadian Journal of Anesthesia, 39,

286–289.

582 American Journal of Speech-Language Pathology • Vol. 24 • 566–584 • August 2015

**Downloaded From: http://ajslp.pubs.asha.org/ by Indiana University, Bloomington, Rita Patel on 08/30/2015**

**Terms of Use: http://pubs.asha.org/ss/rights\_and\_permissions.aspx**

\*Towey, M. P. (2012). Speech therapy telepractice for vocal cord

dysfunction (VCD): MaineCare (Medicaid) cost savings. International

Journal of Telerehabilitation, 4(1), 33–36.

Vertigan, A. E., Theodoros, D. G., Gibson, P. G., & Winkworth,

A. L. (2006). The relationship between chronic cough and

paradoxical vocal fold movement: A review of the literature.

Journal of Voice, 20, 466–480.

\*Vertigan, A. E., Theodoros, D. G., Winkworth, A. L., & Gibson,

P. G. (2008). A comparison of two approaches to the treatment

of chronic cough: Perceptual, acoustic, and electroglottographic

outcomes. Journal of Voice, 22, 581–589.

Vlahakis, N. E., Patel, A. M., Maragos, N. E., & Beck, K. C.

(2002). Diagnosis of vocal cord dysfunction: The utility of spirometry

and plethysmography. Chest, 122, 2246–2249.

\*Von Berg, S., Watterson, T., & Fudge, L. (1999). Behavioural management

of paradoxical vocal fold movement. Phonoscope, 2, 145–147.

\*Walaschek, C., Forster, J., & Echternach, M. (2010). Vocal

cord dysfunction without end? Klinische Pädiatrie, 222(2),

84–85.

\*Warnes, E., & Allen, K. D. (2005). Biofeedback treatment of

paradoxical vocal fold motion and respiratory distress in

an adolescent girl. Journal of Applied Behavior Analysis, 38,

529–532.

\*Weir, M. (2002). Vocal cord dysfunction mimics asthma and

may respond to heliox. Clinical Pediatrics, 41(1), 37–41.

\*Wilson, J. J., Theis, S. M., & Wilson, E. M. (2009). Evaluation

and management of vocal cord dysfunction in the athlete.

Current Sports Medicine Reports, 8(2), 65–70.