

## LEGEND

	Application of Speaking Valve		Tracheostomy		Mechanical Ventilation		Advanced Dysphagia		Multidisciplinary Team		Sleep
	Patient Communication		Pediatric Infant		Pediatric Child		Quality of Life		Speech & Language Development		Patient Safety
	Therapy		Decannulation		Early Intervention		Off-Label				

- Althubaiti, A., Worobetz, N., Inacio, J., Lukens, J., Mousset, M., Onwuka, A., Stevens, M., Justice, L., Shepherd, E., & Wiet, G. (2022). Tolerance of one-way in-line speaking valve trials in ventilator dependent children. *International Journal of Pediatric Otorhinolaryngology*, 157. <https://doi.org/10.1016/j.ijporl.2022.111131>
- Barraza, G., Fernandez, C., Halaby, C., Ambrosio, S., Simpser, E., & Pirzada, M. (2014). The safety of tracheostomy speaking valve use during sleep in children: A pilot study. *American Journal of Otolaryngology*, 35(5), 636-640. <https://doi.org/10.1016/j.amjoto.2014.04.011>
- Brooks, L., Figueira, J., Edwards, T., Reeder, W., McBrayer, S., & Landry, A. (2019). Passy Muir Valve tolerance in medically complex infants and children: Are there predictors for success? *The Laryngoscope*, 130(11), E632-E639. <https://doi.org/10.1002/lary.28440>
- Brooks, L., Raol, N., Goudy, S., & Ivie, C. (2021). Pediatric medullary stroke, severe dysphagia, and multimodal intervention. *Dysphagia*, 36(5). <https://doi.org/10.1007/s00455-021-10376-3>
- Cho Lieu, J. E., Muntz, H. R., Prater, D., & Blount Stahl, M. (1999). Passy-Muir valve in children with tracheotomy. *International Journal of Pediatric Otorhinolaryngology*, 50(3), 197-203. [https://doi.org/10.1016/s0165-5876\(99\)00245-1](https://doi.org/10.1016/s0165-5876(99)00245-1)
- Cordle, K. (2006). Speaking valves for infants. *Advance Magazine for Speech-Language Pathologists and Audiologists*, 16(11), 9.
- Costello, J. M., Patak, L., & Pritchard, J. (2010). Communication vulnerable patients in the pediatric ICU: Enhancing care through augmentative and alternative communication. *Journal of Pediatric Rehabilitation Medicine: An Interdisciplinary Approach*, 3, 289-301. <https://doi.org/10.3233/PRM-2010-0140>
- Cowell, J., Schlosser, D., & Joy, P. (2000). Language outcomes following infant tracheostomy. *Asia Pacific Journal of Speech, Language, and Hearing*, 5(3), 179-186. Published online 2013. <http://dx.doi.org/10.1179/136132800805576942>
- da Cunha de Lima, J.A., Collet, N., Baggio, M.A., & de Almeida, A.M. (2021). Breastfeeding based on the experience of mothers of tracheostomized children and the use of the Passy-Muir® Valve. *Anna Nery School Journal of Nursing*, 25(3), 1-7. <https://doi.org/10.1590/2177-9465-EAN-2020-0290>
- DeMauro, S. B., D'Agostino, J. A., Bann, C., Bernbaum, J., Gerdes, M., Bell, E. F., Carlo, W.A., D'Angio, C.T., Das, A., Higgins, R., Hintz, S.R., Laptook, A.R., Natarajan, G., Nelin, L., Poindexter, B.B., Sanchez, P.J., Shankaran, S., Stoll, B.J., Truog, W., ... Kirpalani, H. (2014). Developmental outcomes of very preterm infants with tracheostomies. *Journal of Pediatrics*, 164(6), 1303-10. <https://doi.org/10.1016/j.jpeds.2013.12.014>
- Engleman, S. G., & Turnage-Carrier, C. (1997). Tolerance of the Passy-Muir speaking valve in infants and children less than 2 years of age. *Pediatric Nursing*, 23(6), 571-573.
- Fuller, C., Wineland, A. M., & Richter, G. T. (2021). Update on pediatric tracheostomy: Indications, technique, education, and decannulation. *Current Otorhinolaryngology Reports*, 9(2), 188-199. <https://doi.org/10.1007/s40136-021-00340-y>
- Gereau, S. A., Navarro, G. C., Cluterio, B., Mullan, E., Bassila, M., & Ruben, R. (1996). Selection of pediatric patients for use of the Passy-Muir valve for speech production. *International Journal of Pediatric Otorhinolaryngology*, 35(1), 11-17. [https://doi.org/10.1016/0165-5876\(95\)01258-3](https://doi.org/10.1016/0165-5876(95)01258-3)

-  Goode-Roberts, M., Bickel, S. G., Stout, D. L., Calvery, M. L., Thompson, J. E., & Behrman, A. L. (2021). Impact of activity-based therapy on respiratory outcomes in a medically complex child. *Children*, 8(1), 36. <https://doi.org/10.3390/children8010036>
-  Greene, Z., Fitzgerald, S., Russell, J. D., O'Brien, J., & McNally, P. (2018). Improving feeding outcomes in long term tracheostomy and ventilator dependent babies: A 12 year review. *ESSD*, 13D.
-  Greene, Z. M., Davenport, J., Fitzgerald, S., Russell, J. D., & McNally, P. (2019). Tracheostomy speaking valve modification in children: A standardized approach leads to widespread use. *Pediatric Pulmonology*, 54(4), 428-435. <https://doi.org/10.1002/ppul.24209>
-  Groenendijk, I., Booth, J., van Dijk, M., Argent, A., & Zampoli, M. (2016). Paediatric tracheostomy and ventilation home care with challenging socio-economic circumstances in South Africa. *International Journal of Pediatric Otorhinolaryngology*, 84, 161-165. <https://doi.org/10.1016/j.ijporl.2016.03.013>
-  Hashmi, N. K., Ransom, E., Nardone, H., Redding, N., & Mirza, N. (2010). Quality of life and self-image in patients undergoing tracheostomy. *Laryngoscope*, 120, Suppl 4:S196. <https://doi.org/10.1002/lary.21663>
-  Henningfeld, J., Lang, C., Erato, G., Silverman, A. H., & Goday, P. S. (2021). Feeding disorders in children with tracheostomy tubes. *Nutrition in Clinical Practice*, 36(3), 689-695. <https://doi.org/10.1002/ncp.10551>
-  Hill, B. P., & Singer, L. T. (1990). Speech and language development after infant tracheostomy. *Journal of Speech and Hearing Disorders*, 55(1), 15-20. <https://doi.org/10.1044/jshd.5501.15>
-  Hofman, L., Bolton, J., & Ferry, S. (2008). Passy-Muir speaking valve use in a children's hospital: An interdisciplinary approach. *SIG 3 Perspectives on Voice and Voice Disorders*, 18, 76-86. <https://doi.org/10.1044/vvd18.2.76>
-  Hull, E. M., Humas, H. M., Crowley, R. A., & Kharasch, V. S. (2005). Tracheostomy speaking valves for children: Tolerance and clinical benefits. *Pediatric Rehabilitation*, 8(3), 214-219. <https://doi.org/10.1080/13638490400021503>
-  Jackson, D., & Albamonte, S. (1994). Enhancing communication with the Passy-Muir valve. *Pediatric Nursing*, 20(2), 149-53.
-  Jiang, D., & Morrison, G. A. (2003). The influence of long-term tracheostomy on speech and language development in children. *International Journal of Pediatric Otorhinolaryngology*, 67, Suppl 1: S217-20. <https://doi.org/10.1016/j.ijporl.2003.08.031>
-  Joint Commission International Center for Patient Safety. (2006). Patient-inclusive care: Encouraging patients to be active participants in their care. *Patient Safety Link*, 2(2), 1. Retrieved from <http://www.modernmedicine.com/modern-medicine/content/jcahos-patient-safety-goals-part-1-practical-guide?page=full>
-  Kam, K., Patzelt, R., & Soenen, R. (2022). Pediatric tracheostomy speaking valves: A multidisciplinary protocol leads to earlier initial trials. *Journal of Child Health Care*. <https://doi.org/10.1177/13674935211070416>
-  Kamen, R. S., & Watson, B. C. (1991). Effects of long-term tracheostomy on spectral characteristics of vowel production. *Journal of Speech and Hearing Research*, 34, 1057- 1065. <https://doi.org/10.1044/jshr.3405.1057>
-  Kaslon, K. W., & Stein, R. E. (1985). Chronic pediatric tracheostomy: assessment and implications for habilitation of voice, speech and language in young children. *International Journal of Pediatric Otolaryngology*, 9, 165-171. [https://doi.org/10.1016/S0165-5876\(85\)80017-3](https://doi.org/10.1016/S0165-5876(85)80017-3)
-  Kennedy, A., Hart, C.K., de Alarcon, A., Balakrishnan, K., Boudewyns, A., Chun, R., Fayoux, P., Goudy, S.L., Hartnick, C., Hsu, W., Johnson, R.F., Kuo, M., Peer, S., Pransky, S.M., Rahbar, R., Rickert, S., Roy, S., Russell, J., Sandu, K., Sidell, D. ... Rutter, M.J. (2021). International pediatric otolaryngology group (IPOG) management recommendations: Pediatric tracheostomy decannulation. *International Journal of Pediatric Otorhinolaryngology*, 141, 110565. <https://doi.org/10.1016/j.ijporl.2020.110565>
-  Kertoy, M. K., Guest, C. M., Quart, E., & Lieh-Lai, M. (1999). Speech and phonological characteristics of individual children with a history of tracheostomy. *Journal of Speech, Language, and Hearing Research*, 42(3), 621-635. <https://doi.org/10.1044/jslhr.4203.621>

-  Kertoy, M. K. (2002). Children with tracheostomies: Resource guide. Delmar: Singular Thompson Learning. Canada.
-  Li, L., Wikner, E., Behzadpour, H., Perez, G., & Mudd, P. (2021). Decrease in respiratory related hospitalizations in tracheostomy-dependent children who tolerate Passy-Muir Valve use. *The Annals of Otology, Rhinology, and Laryngology*, 130(6), 623–628. <https://doi.org/10.1177/0003489420966612>
-  Locke, J. L., & Pearson, D. M. (1990). Linguistic significance of babbling: Evidence from a tracheostomized child. *Journal of Child Language*, 17(1), 1-16. <https://doi.org/10.1017/s0305000900013076>
-  Mathur, N. N., & Meyers, A. D. (2016). Pediatric Tracheostomy. *Medscape*. <https://emedicine.medscape.com/article/865068-overview>
-  Ongkasuwan, J., Turk, C. L., Rappazzo, C. A., Lavergne, K. A., Smith, E. O., & Friedman, E. M. (2014). The effect of a speaking valve on laryngeal aspiration and penetration in children with tracheostomies. *Laryngoscope*, 124, 1469-1474. <https://doi.org/10.1002/lary.24457>
-  Overman, A. E., Liu, M., Kurachek, S. C., Shreve, M. R., Maynard, R. C., Mammel, M. C., & Moore, B. M. (2013). Tracheostomy for infants requiring prolonged mechanical ventilation: 10 years' experience. *Pediatrics*, 131(5), e1491-6. <https://doi.org/10.1542/peds.2012-1943>
-  Patel, M. R., Zdanski, C. J., Abode, K. A., Reilly, C. A., Malinzak, E. B., Stein, J. N., Harris, W.T., & Drake, A. F. (2009). Experience of the school-aged child with tracheostomy. *International Journal of Pediatric Otorhinolaryngology*, 73, 975-980. <https://doi.org/10.1016/j.ijporl.2009.03.018>
-  Peck, K. (2010). Children with trachs: Facilitating speech and swallowing. *Advance Magazine for Speech-Language Pathologists and Audiologists*, 20(25), 5.
-  Perez, I. A., Davidson Ward, S. L., Kun, S., & Keens, T. G. (2016). Chapter 16: Chronic ventilatory support for children following trauma or severe neurologic injury. *Caring for the Ventilator Dependent Child: A Clinical Guide*. Eds. SSterni, L.M. & Carroll, J.L. Humana Press: Springer Nature, New York.
-  Pronello, D.R., Gimenez, G., Prado, F., Salinas, P., Herrero, M.V., & Bach, J.R. (2020). Tracheostomy in children: The challenges of decannulation, revision and work proposal. *Neumologia Pediatrica*, 14(3), 164 – 174. <https://www.researchgate.net/publication/340435449>
-  Simon, B. M., Fowler, S. M., & Handler, S. D. (1983). Communication development in young children with long-term tracheostomies: Preliminary report. *International Journal of Pediatric Otolaryngology*, 6, 37-60. [https://doi.org/10.1016/S0165-5876\(83\)80102-5](https://doi.org/10.1016/S0165-5876(83)80102-5)
-  Simons, J. P., Mehta, D., & Mandell, D. L. (2010). Assessment of constipation in children with tracheostomy. *Archives of Otolaryngology Head and Neck Surgery*, 136(1), 27-32. <https://doi.org/10.1001/archoto.2009.207>
-  Sohn, E. Y., Peck, K., Kamerman-Kretzmer, R., Kato, R., Keens, T. G., & Davidson Ward, S. L. (2021). Comparison of SIMV+ PS and AC modes in chronically ventilated children and effects on speech. *Pediatric Pulmonology*, 56(1), 179 – 186. <https://doi.org/10.1002/ppul.25102>
-  Solet, D. J., Norvell, M., Rutan, G. H., & Frankel, R. M. (2005). Lost in translation: Challenges and opportunities in physician-to-physician communication during patient hand-offs. *Academic Medicine*, 80, 1094-1099. <https://doi.org/10.1097/00001888-200512000-00005>
-  Stevens, M., Finch, J., Justice, L., & Geiger, E. (2011). Use of the Passy-Muir valve in the neonatal intensive care unit. *Neonatal Intensive Care*, 24(7), 22-23.
-  Toursarkissian, B., Fowler, C. L., Zweng, T. N., & Kearney, P. A. (1994). Percutaneous dilational tracheostomy in children and teenagers. *Journal of Pediatric Surgery*, 29(11), 1421-4. [https://doi.org/10.1016/0022-3468\(94\)90135-x](https://doi.org/10.1016/0022-3468(94)90135-x)
-  Utratachakij, J., Pongsasnongkul, J., Preuthipan, A., & Chantarojanasri, T. (2005). Measurement of end-expiratory pressure as an indicator of airway patency above tracheostomy in children. *Journal of the Medical Association of Thailand*, 88(7), 928-932.
-  Wetmore, R.F. (2007). *Pediatric Otolaryngology*. Philadelphia: Mosby Elsivier.



Zabih,W., Holler,T., Syed,F., Russell,L., Allegro,J., & Amin,R. (2017). The use of speaking valves in children with tracheostomy tubes. *Respiratory Care*, 62(12):1594-1601. <https://doi.org/10.4187/respcare.05599>