

Audiology Vestibular Assessment and Management for Acute Dizziness in Hospital Settings, in partnership with University of Pittsburgh

Leslie Cody, AuD

References

1. Newman-Toker, D. E., Cannon, L. M., Stofferahn, M. E., Rothman, R. E., Hsieh, Y. H., & Zee, D. S. (2007). Imprecision in patient reports of dizziness symptom quality: A cross-sectional study conducted in an acute care setting. *Mayo Clinic Proceedings*, 82, 1329–1340.
2. Newman-Toker, D. E., Camargo, C. A., Jr., Hsieh, Y. H., Pelletier, A. J., & Edlow, J. A. (2009). Disconnect between charted vestibular diagnoses and emergency department management decisions: A cross-sectional analysis from a nationally representative sample. *Academic Emergency Medicine*, 16, 970–977. <https://doi.org/10.1111/j.1553-2712.2009.00523.x>
3. Lin, H., Zhu, M., Zhang, X., & Tang, Y. (2026). Dizziness in the emergency department and risk of stroke: A systematic review and meta-analysis. *PLOS ONE*, 21(4), e0346556. <https://doi.org/10.1371/journal.pone.0346556>
4. Kerber, K. A., Brown, D. L., Lisabeth, L. D., Smith, M. A., & Morgenstern, L. B. (2006). Stroke among patients with dizziness, vertigo, and imbalance in the emergency department. *Stroke*, 37(10), 2484–2487. <https://doi.org/10.1161/01.STR.0000240329.48263.0d>
5. Saber Tehrani, A. S., Coughlan, D., Hsieh, Y. H., Mantokoudis, G., Korley, F. K., Kerber, K. A., Frick, K. D., & Newman-Toker, D. E. (2013). Rising annual costs of dizziness presentations to U.S. emergency departments. *Academic Emergency Medicine*, 20(7), 689–696. <https://doi.org/10.1111/acem.12168>
PMID: 23859582
6. Shah, V. P., Oliveira J. e Silva, L., Farah, W., Seisa, M., Kara Balla, A., Christensen, A., Farah, M., Hasan, B., Bellolio, F., & Murad, M. H. (2022). Diagnostic accuracy of neuroimaging in emergency department patients with acute vertigo or dizziness: A systematic review and meta-analysis for the guidelines for reasonable and appropriate care in the emergency department. *Academic Emergency Medicine*. Advance online publication. <https://doi.org/10.1111/acem.14561>
7. Stewart, V., Mendis, M. D., Rowland, J., & Low Choy, N. (2015). Construction and validation of the vestibular screening tool for use in the emergency department and

acute hospital setting. *Archives of Physical Medicine and Rehabilitation*, 96(12), Article S0003999315010928. <https://doi.org/10.1016/j.apmr.2015.10.002>

8. Vanni, S., Pecci, R., Casati, C., Moroni, F., Risso, M., Ottaviani, M., Nazerian, P., Grifoni, S., & Vannucchi, P. (2014). STANDING, a four-step bedside algorithm for differential diagnosis of acute vertigo in the Emergency Department. *Acta Otorhinolaryngologica Italica*, 34(6), 419–426. <https://doi.org/10.14639/0392-100X-260>
PMID: 25762835; PMCID: PMC4346998

9. Tarnutzer, A. A., & Edlow, J. A. (2023). Bedside testing in acute vestibular syndrome—Evaluating HINTS Plus and beyond: A critical review. *Audiology Research*, 13(5), 670–685. <https://doi.org/10.3390/audiolres13050059>
PMID: 37736940; PMCID: PMC10514811

10. Dmitriew, C., Regis, A., Bodunde, O., Lepage, R., Turgeon, Z., McIsaac, S., & Ohle, R. (2021). Diagnostic accuracy of the HINTS exam in an emergency department: A retrospective chart review. *Academic Emergency Medicine*, 28(4), 387–393. <https://doi.org/10.1111/acem.14171>
PMID: 33171003

11. Korda, A., Wimmer, W., Zamaro, E., Wagner, F., Sauter, T. C., Caversaccio, M. D., & Mantokoudis, G. (2022). Videoculography “HINTS” in acute vestibular syndrome: A prospective study. *Frontiers in Neurology*, 13, 920357. <https://doi.org/10.3389/fneur.2022.920357>
PMID: 35903121; PMCID: PMC9314570