## NCRAR: Translating Tinnitus Research Findings into Clinical Practice

# References/Resources from Clinical Presentation of Tinnitus Patients in a Polytrauma Setting 10/5/17 Presentation by Paula Myers, PhD and Tara Zaugg, AuD

# Some Resources for TBI and Tinnitus (not a comprehensive list)

- ASHA offers a <u>Practice Portal page on TBI</u> that includes discussion of signs and symptoms, assessment and treatment. A page on tinnitus is on the portal as well. <u>Patient education handouts on tinnitus</u> are available for downloading.
- http://www.asha.org/aud/articles/TinnitusTBI
- http://www.asha.org/Articles/Auditory-Effects-of-Blast-Exposure/ March 2014 J. Dodd-Murphy
- NCRAR PTM Resources
   http://www.ncrar.research.va.gov/Education/Documents/TinnitusDocuments/Index.asp
- Free Tinnitus Counseling Tools on Ida Institute Website <a href="http://www.idainstitute.com/">http://www.idainstitute.com/</a>

## Polytrauma/TBI

- <a href="http://afterdeployment.dcoe.mil/sites/default/files/pdfs/client-handouts/mtbi-managing-symptoms.pdf">http://afterdeployment.dcoe.mil/sites/default/files/pdfs/client-handouts/mtbi-managing-symptoms.pdf</a>
- http://afterdeployment.dcoe.mil/sites/default/files/pdfs/client-handouts/mtbi-overview.pdf
- https://www.polytrauma.va.gov/downloads/Polytrauma\_TBI\_Family\_Education\_Manual\_final\_10\_
   11 12.pdf (Polytrauma/TBI Rehabilitation Family Education Manual
- https://dvbic.dcoe.mil/files/resources/Family\_Caregiver\_Guide.All\_Modules\_updated.pdf
   (TBI: A Guide for Caregivers of Service Members and Veterans)

#### Military Partners & Resources

- Defense and Veterans Brain Injury Center (DVBIC) www.dvbic.org
- Defense Centers of Excellence for Psychological Health and Traumatic Brain Injury http://www.dcoe.mil/PsychologicalHealth/Resources.aspx
- Hearing Center of Excellence <a href="https://hearing.health.mil/">https://hearing.health.mil/</a>

#### References

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Henry JA, Zaugg TL, Myers PJ, Kendall CJ, Kaelin C, Thielman E, Griest S, Legro M, Storzbach D, McMillan G, Carlson K. Pilot study to develop telehealth tinnitus management for persons with and without traumatic brain injury. *Journal of Rehabilitation Research and Development* 49(7):1025-1042, 2012.

Myers, PJ, Henry JA, Zaugg TL, Kendall CJ. (2009 March/April issue). Tinnitus evaluation and management considerations for persons with mild traumatic brain injury. ASHA Access Audiology, 8(2).

Remenschneider A, Lookabaugh S, Aiphas A, Brodsky J, Devaiah A, Dagher W, Grundfast K, Heman-Ackah S, Rubin S, Sillman J, Tsai A, Vecchiotti M, Kujawa S, Lee D, Quesnel A. (2014) Otologic outcomes after blast injury: The Boston marathon experience. Otology & Neurotology: 35:10:1825–1834

Van Campen L, Dennis M, Hanlin R, King S, Velderman A (1999) One-year audiologic monitoring of individuals exposed to the 1995 Oklahoma city bombing. J Am Acad Audiol 10:231–247

#### **Tinnitus Prevalence (Overlap of Comorbid Conditions)**

Swan, A. A., Nelson, J. T., Swiger, B., Jaramillo, C. A., Eapen, B. C., Packer, M., & Pugh, M. J. (2016). Prevalence of hearing loss and tinnitus in Iraq and Afghanistan Veterans: A Chronic Effects of Neurotrauma Consortium study. *Hearing Research*. DOI: 10.1016/j.heares.2017.01.013

Theodoroff, S, Lewis, S, Folmer, R, Henry, J, Carlson, K. (2015). Hearing Impairment and Tinnitus: Prevalence, Risk Factors, and Outcomes in US Service Members and Veteras deployed to the Iraq and Afghanistan wars. *Epidemiology Review*. DOI: 10.1093/epirev/mxu005

Toyinbo, P, Vanderploeg, R, Belanger, H, & Scott, S. (2017). A systems science approach to understanding polytrauma and blast-related injury: Bayesian network model of data from a survey of the Florida National Guard. *American Journal of Epidemiology*. DOI: 10.1093/aje/kww074

Yurgiil, K, Clifford, R, Risbrough, V & Baker, D (2015). Prospective Associations Between Traumatic Brain Injury and Postdeployment Tinnitus in Active-Duty Marines. *Journal of Head Trauma Rehabil* DOI: 10.1097/HTR.0000000000117