

## Publications

### Publications

Heard, G.S., Lenhardt, M.L., Bowie, R.M., Clarke, A.M., Harkins, S.W., Wolf, B.: Increased central conduction time (CCT) but no hearing loss (HL) in young biotin deficient rats. Federation of American Societies for Experimental Biology Journal, 3, A1242, December 1988.

Bowie, R.M.: Ultra-high frequency bone conduction auditory evoked potentials in humans, Master of Science Thesis, Medical College of Virginia, Virginia Commonwealth University, May, 1987.

Walker, S.M., Lenhardt, M.L., Bowie, R.S., Bowie, R.M.: High Frequency Hearing Thresholds in Hospital based Helicopter Pilots using the Tonndorf Audiometer. Published with and presented to North Atlantic Treaty Organization (N.A.T.O.) Symposium on Aircraft Noise Abatement Receiver Technology. May, 1994, Baltimore, Maryland USA.

Partridge, R.A., Coley, A., Bowie, R.M., Woolard, R.H.: Sports-related pneumothorax. Brown University School of Medicine and the Department of Emergency Medicine, Rhode Island Hospital, Providence, RI, Annals of Emergency Medicine, 1997 Oct;30(4):539-41.

Bowie, R.M.: Bath Salts Lecture video presentation with the Down East Emergency Medicine Institute Produced Gary Soucy Photography/DEEMI Films 2011. Apx 1hr Multimedia. Over 16000 views as of 2016.

### Conference Proceedings/Abstracts

Aumann, H.M. and Bowie R.M.: "An RF Stethoscope with Digital SSB Frequency Modulation for Use in a Noisy Environment," 2020 IEEE 63rd International Midwest Symposium on Circuits and Systems (MWSCAS), Springfield, MA, USA, 2020, pp. 905-908, doi: 10.1109/MWSCAS48704.2020.9184638.

Bowie, R.M.: Humility in Progress – Sheffield England EMS, Society for Academic Emergency Medicine 1995 Annual Meeting, San Antonio, Texas.

Lenhardt, M.L., Bowie, R.M., and Clarke, A.M.: Supersonic bone conduction evoked responses, Proceedings of the 1988 Winter Meeting of the Association for Research in Otolaryngology, Clearwater, FL.

Heard, G.S., Lenhardt, M.L., Bowie, R.M., Clarke, A.M., Harkins, S.W., Wolf, B.: Increased central conduction time (CCT) but no hearing loss (HL) in young biotin deficient rats. FASEB, Spring, 1989, Bethesda, MD.

Clarke, A.M., Lenhardt, M.L. and Bowie, R.M.: High frequency bone conduction hearing, Proceedings of the 1987 Association for Research in Otolaryngology midwinter meeting, Clearwater, FL.

### Oral Presentations

EMS Lecture series: Individual lectures on Pneumothorax, Pre-hospital technology, Oncological Emergencies, EMS in Sheffield, England, Introduction to EMS, Pulmonary Embolism, Otologic Trauma, Rabies, Physician in

the Street, Helipad Safety, Medevac Safety, New England Medevac (RIH), 12-Lead ECG Interpretation, SARS, STEMI, Hypothermia, Diversionary Issues, Bath Salts, Thoracic Trauma and innovations in EMS including UAVs.

## Other

Lenhardt, M.L.: Sea Turtles of Chesapeake Bay and How They Contributed to Helping the Deaf Hear. Episode of BEYOND 2000, The Discovery Channel, International Television, Spring, 1992.

Bowie, R.M.: “Ultrahigh Frequency Brainstem Evoked Potentials in Humans” presented by invitation at the Virginia Academy of Science, Norfolk, VA, June, 1987.

Clarke, A.M., Lenhardt, M.L., and Bowie, R.M.: High frequency bone conduction hearing, March 1987, Meeting of the Speech and Hearing Association of Virginia, Richmond, Virginia.

Clarke, A.M., Lenhardt, M.L., and Bowie, R.M.: Signal analysis in neonatal models of hearing loss, September, 1986 meeting of the ACEMB, Baltimore, Maryland.

Bowie, R.M.: The Piezoelectric Effect in Bone, May, 1986 Seminar Series in Biomedical Engineering Presentation and Paper, Medical College of Virginia, Richmond, Virginia.