

# Bill Hodgetts, PhD

University Address: 2-70 Corbett Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2G4

Laboratory Address: Bone Conduction Amplification Laboratory, Institute for Reconstructive Science in Medicine (iRSM), Misericordia

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## Education

- Ph.D.** Rehabilitation Sciences, Faculty of Rehabilitation Medicine, University of Alberta, 2008
- M.Sc.** Audiology, School of Communication Sciences and Disorders, University of Western Ontario, 2001
- B.A.** Psychology, Department of Psychology, University of Western Ontario, 1997

## Professional Experience:

2019-present: Full Professor, Department of Speech Pathology and Audiology, University of Alberta (Joint Appointment), Edmonton, AB

2013-2019: Associate Professor, Department of Speech Pathology and Audiology, University of Alberta (Joint Appointment), Edmonton, AB

2008-2013: Assistant Professor, Department of Speech Pathology and Audiology, University of Alberta (Joint Appointment), Edmonton, AB

2008-Present: Program Director - Bone Conduction Amplification, Institute for Reconstructive Sciences in Medicine (iRSM), Misericordia Hospital (Joint Appointment), Edmonton, AB

2002-2008: Clinical Track Instructor, Department of Speech Pathology and Audiology, University of Alberta (Joint Appointment), Edmonton, AB

2002-2008: Clinical and Research Audiologist, Bone Conduction Amplification, Institute for Reconstructive Sciences in Medicine (iRSM), Misericordia Hospital (Joint Appointment), Edmonton, AB

2001-2002: Research Audiologist, National Centre for Audiology, University of Western Ontario (Joint Appointment), London, ON

2001-2002: Clinical Audiologist, H.A. Leeper Speech and Hearing Clinic, University of Western Ontario (Joint Appointment), London, ON

1999-2001: Research Assistant, Speech Communication Laboratory (D.G. Jamieson, Director), National Centre for Audiology, University of Western Ontario, London, ON

## Clinical Qualifications:

2001-2002: Certified Audiologist, College of Audiologists and Speech Language Pathologists of Ontario

2002-Present: Certified Audiologist, Alberta College of Speech Language Pathologists and Audiologists

## Honours and Awards:

2000: A.G. Bell Prize, Speech Communication Research. Source: Canadian Acoustical Association.

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- 2000: Ontario Graduate Scholar in Science and Technology (OGSST; \$15000)
- 2001: Harmonise for Speech Award, University of Western Ontario. Source: Barbershoppers of Ontario.
- 2004: Student Scholarship Award, International Hearing Aids Research Conference (IHCON).
- 2004: Student Presentation Award, Canadian Acoustical Association, AGM 2004.
- 2007: Faculty of Rehabilitation Medicine, Faculty Teaching Award
- 2015: Host - 5th International Symposium on Bone Conduction Hearing
- 2017: Vanguard Award: For licencing DSL-BC
- 2017: President's Award: Canadian Academy of Audiology
- 2018: Early Career Investigator Award: Faculty of Rehabilitation Medicine
- 2019: Nominated for Editor's Choice Award: Ear and Hearing: Novel Bone Conduction Verification Tool

## Membership in Professional Organizations:

Member of the Canadian Academy of Audiology  
International Member of the American Academy of Audiology  
Alberta College of Speech Language Pathologists and Audiologists

## Teaching Responsibilities:

CSD 517 – Hearing Science/Audiology (current)  
CSD 598 - Independent Study in Methods of Data Analysis (course oversight)

## Student/Postdoctoral Supervision

### Postdoctoral Students

1. Lindsey Westover (2012-2016) - Stability of implants

### Doctoral Students

1. Huda Mustaffar Kamal (2022-Present) - Fitting Transcutaneous BCDs
2. Kathleen Villamitjana (2022-Present) - At Home Outcomes in Audiology
3. Alex Gason (2021 - Present) - Improving Bone Conduction Fittings
4. Lindsay McHutchion (2020 - present) - Shared Decision Making In Prosthetics
5. Craig St. Jean (2019-present) - Messaging in Audiology
6. Kulpreet Cheema (2018-2022) - Neuroimaging in Reading and Spelling
7. Craig St. Jean (2017-2021) - Role of narratives in care context
8. Gabriela Constantinescu (2012-2018) - Mobile health solution for dysphagia
9. YongQiang Yu (2012-2016) - Cochlear damage and hearing function

### Master's Students

1. Cory McKenzie (2018) - Benefits of directional microphones in hearing aids

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2. Tyson Sereda, Chris Parbery, Aimee-Jeanne Garthus, Cassie Tam (2017-2018) - Effects of lidocaine on reading performance
3. Ashley Sawatzky, Nancy Liu, Julie Van Wolde, Michelle Schmidt (2016-2018) - Various projects on hearing loss and media representation
4. Emily Sullivan, Luanne Luu (2015-2017) - Spatial navigation in conductive hearing loss
5. Myriam Bernier (2013-2016) - Remote audiology considerations in Alberta
6. Wong Kimberley, Ball Adina (2009-2011) - Comparison of amplification with Baha
7. Kristina Kuffel Kupferschmidt (2016-2018) - Swallow detection algorithm in head and neck cancer patients
8. Griedanus Krista (2010-2012) - Automated vs. Manual Audiometry in Children
9. Christina Sequiera (2012) - Sound quality assessment in advanced bone anchored hearing aids
10. Waito Ashely (2010-2012) - Comparison of accelerometers and microphones for the measurement of complex swallows
11. Wetter Tyler (2010-2012) - Sound quality comparisons of bone conduction aids
12. Heather Logan (2009-2011) - Planning in mandibular reconstruction surgery
13. Woelflin Fausto (2009-2011) - Mechanical point impedance of human heads
14. Knutilla Erica (2008-2010) - Effects of loudness and rate on voice onset time in CI users
15. Isaakson Anders, Wennerberg Mikael (2007-2009) - Development of a verification system for bone anchored hearing aids
16. Brandner Nicole (2005-2008) - Teenage iPod use
17. Szarko Ryan (2004-2007) - Exercise and iPod use

## Bachelor's Honours

1. Cory McKenzie (2018) - Project on hearing aids and complex environments
2. Parikshit Mukerjee (2017) - Neuroimaging and TDCS
3. Rabail Shahid (2016-2017) - Language processing in autism
4. Miya Villarena (2016-2017) - TDCS applications in reading performance

## Summary of Academic Outputs

### Refereed Publications:

1. Cheema, K., Fleming, C., Craig, J., Hodgetts, W. E., & Cummine, J. (2023). Reading and spelling profiles of adult poor readers: Phonological, orthographic and morphological considerations. *Dyslexia*, 29(2), 58-77.
2. Cheema, K., Hunyh, T., Hodgetts, B., & Cummine, J. (2023). Neural impact of skill and goal-based training in adults with dyslexia: A randomized trial.
3. Cheema, K., Jean, C. St., Stanley, J., Cummine, J., Hodgetts, W., Chapman, C., Rockwood, K., Howlett, S. E., & Sevinc, G. (2023). CO37 inventory-facilitated goal setting interview conducted by disease experts yields a

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broader range of goal areas. *Value in Health*, 26(12), S21. Elsevier.

4. Gascon, A., & Hodgetts, B. (2022.). A case for reducing judgement noise in our bone conduction fittings. *Canadian Audiologist*, 9(5).
5. Hodgetts W, Song Q, Xiang X, Cummine J. On a Vector towards a Novel Hearing Aid Feature: What Can We Learn from Modern Family, Voice Classification and Deep Learning Algorithms. *Applied Sciences*. 2021; 11(12):5659. <https://doi.org/10.3390/app11125659>.
6. St. Jean, Craig Richard; Cummine, Jacqueline; Singh, Gurjit; Hodgetts, William E. Be Part of the Conversation, *Ear and Hearing: May 13, 2021 - Volume - Issue* -doi: 10.1097/AUD.0000000000001056
7. Cummine, J., Cullum, A., Aalto, D., Sereda, T., Fleming, C., Reed, A., Ostevik, A., Cashion-Dextrase, S., Jeffery, C. C., & Hodgetts, W. E. (2021). From lollipops to lidocaine: The need for a universal print-to-speech framework. *Canadian Journal of Experimental Psychology/Revue canadienne de psychologie expérimentale*, 75(3), 279–298. <https://doi.org/10.1037/cep0000257>
8. Cheema,K.;Hodgetts, W.E.; Cummine, J. Is the Letter ‘t’ in the Word ‘gourmet’? Disruption in Task-Evoked Connectivity Networks in Adults with Impaired Literacy Skills. *NeuroSci* **2021**, 2, 75–94. [https://doi.org/10.3390/neurosci\\_2010005](https://doi.org/10.3390/neurosci_2010005)
9. Kulpreet Cheema, Amberley V. Ostevik, Lindsey Westover, William E. Hodgetts, Jacqueline Cummine, Resting-state networks and reading in adults with and without reading impairments, *Journal of Neurolinguistics*, Volume 60, 2021, 101016, ISSN 0911-6044, <https://doi.org/10.1016/j.jneuroling.2021.101016>.
10. Ostevik, A. V, Hill-Feltham, P., Johansson, M. L., McKinnon, B. J., Monksfield, P., Sockalingam, R., ...Hodgetts, W.E. (2021). Psychosocial outcome measures for conductive and mixed hearing loss treatment: An overview of the relevant literature. *International Journal of Audiology*, 0(0), 1–16. <https://doi.org/10.1080/14992027.2021.1872805>
11. Miyagishima, R., Hopper, T., Hodgetts, W.E., Soos, B., Williamson, T., & Drummond, Neil (2021). Development of a Case Definition for Hearing Loss in Community-Based Older Adults: a cross-sectional validation study. *Canadian Medical Association Journal*, 9 (3) E796-E801; DOI: 10.9778/cmajo.20200267
12. Cummine, J., Huynh, T., Cullum, A., Ostevik, A., Hodgetts, W. (2021). Chew on this! Oral stereognosis predicts visual word recognition in typical adults. *Current Psychology*. *Curr Psychol* (2021). <https://doi.org/10.1007/s12144-021-01647-1>
13. \*Cullum, A. Hodgetts, W.E., Milburn, TF, & Cummine, J (2019). Cerebellar Activation During Reading Tasks: Exploring the Dichotomy between Motor vs. Language Functions in Adults of Varying Reading Proficiency. *The Cerebellum*. : 1-17. <http://dx.doi.org/10.1007/s12311-019-01024-6>
14. Ad Snik, Hannes Maier, William Hodgetts, Martin Kompis, Griet Mertens, Paul van de Heyning, Thomas Lenarz, Arjan Bosman. (2019). Efficacy of implantable hearing devices for patients with conductive or mixed hearing loss depends on the implant centre; the development of a fitting rule.*Otology and Neurotology*. 40(4): 430-435.
15. \*McKenzie, C., Hodgetts, W.E., Ostevik, A.V., & Cummine, J. (2020). Listen before you drive: the effect of voice familiarity on listening comprehension and driving performance. *International Journal of Audiology*, 60, 621 - 628.
16. Noor Al-Zanoon, Angela Cullum, Jacqueline Cummine, Caroline Jeffery, Willaim Hodgetts, Daniel Aalto. (2019). The Role of Somatosensory Feedback in the Production of the English Vowel /i/ In Females. *International Congress of Phonetic Sciences*.
17. \*Westover L, Ostevik A, Aalto D, Cummine J, Hodgetts WE. Evaluation of word recognition and word recall with bone conduction devices: do directional microphones free up cognitive resources? *Int J Audiol*. 2020

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- May;59(5):367-373. doi: 10.1080/14992027.2019.1708983. Epub 2020 Mar 10. PMID: 32151192.
18. \*Julia Craig, Amberley V. Ostevik, Lindsey Westover, William Hodgetts, Jacqueline Cummine. (2019). To Go or Not to Go: Exploring brain activation during response inhibition reading tasks. *Spectrum*. 3, 2019
  19. Hill-Feltham, P. R., Johansson, M. L., Hodgetts, W. E., Ostevik, A. V., McKinnon, B. J., Monksfield, P., ... Tysome, J. R. (2020). Hearing outcome measures for conductive and mixed hearing loss treatment in adults: A scoping review. *International Journal of Audiology*, 0(0), 1–7.  
<https://doi.org/10.1080/14992027.2020.1820087>
  20. Amberley V. Ostevik Lindsey Westover \*Haley Gynane \*Jordan Herst Jacqueline Cummine William E. Hodgetts. (2019). Comparison of Health Insurance Coverage for Hearing Aids and Other Services in Alberta. *Healthcare policy*, 15(2),
  21. McKenzie, C., Ostevik, A., Hodgetts, B., Cummine, J., & Aalto, D. (2019). Associations between musical experience and auditory discrimination. *Canadian Acoustics*, 47(3), 30-31.
  22. \*Westover, L. Faulkner, G. Flores-Mir, C. Hodgetts, W.E. Raboud, D. (2019). Non-Invasive Evaluation of Periodontal Ligament Stiffness During Orthodontic Tooth Movement. *Angle Orthodontist*. 89(2): 228-234.
  23. \*Westover, L., Faulkner, G., Hodgetts, W.E., & Raboud, D. (2018). Comparison of implant stability measurement devices for bone anchored hearing aid systems. *Journal of Prosthetic Dentistry*. 119(1): 178-184.
  24. \*Lindsey Westover Gary Faulkner Carlos Flores-Mir William Hodgetts Don Raboud. (2018). Application of the Advanced System for Implant Stability Testing (ASIST) to Natural Teeth for Noninvasive Evaluation of the Tooth Root Interface. *Journal of Biomechanics*. 69: 129-137.
  25. Hodgetts, W.E. Aalto, D. Ostevik, A. Cummine, J. (2018). Changing Hearing Performance and Sound Preference with Words and Expectations: Meaning Responses in Audiology. *Ear and Hearing*. Ear & Hearing 2019;40;615–620
  26. \*Gabriela Constantinescu, \*Kristina Kuffel Ben King William Hodgetts, Jana Rieger. (2018). Usability testing of an mHealth device for swallowing therapy in head and neck cancer survivors. *Health Informatics Journal*.
  27. Johansson ML Tysome JR Hill-Feltham P Hodgetts WE Ostevik A McKinnon BJ Monksfield P Sockalingam R Wright, T. (2018). Physical outcome measures for conductive and mixed hearing loss treatment: A systematic review. *Clinical Otolaryngology*.
  28. \*Lindsey Westover Gary Faulkner William Hodgetts Fraaz Kamal Edmond Lou Don Raboud. (2018). Longitudinal Evaluation of Bone Anchored Hearing Aid Implant Stability Using the Advanced System for Implant Stability Testing (ASIST). *Otology and Neurotology*.
  29. Scollie, S., Hodgetts, W., & Pumford, J. (2018). DSL for bone anchored hearing devices: Prescriptive targets and verification solutions. *Audiology Online*. (22962)
  30. Jacqueline Cummine, Daniel Aalto, Amberley Ostevik, \*Kulpreet Cheema, William Hodgetts. (2018). "To name or not to name: That is the question": The role of response inhibition in reading. *Journal of Psycholinguistic Research*.
  31. \*Gabriela Constantinescu Jana Rieger William Hodgetts. (2018). Mobile Health Design and Development in the Academic Setting. *International Journal of Medical Informatics*.
  32. Hodgetts, W.E. Scott, D.K. Maas, P. Westover, L. (2018). Development of a Novel Bone Conduction Verification Tool using a Surface Microphone: Validation with Percutaneous Bone Conduction Users. *Ear and Hearing*.
  33. \*Constantinescu, G., \*Kuffel, K., Aalto, D., Hodgetts, B., Rieger, J. (2017). Evaluation of an automated swallow-detection algorithm using visual biofeedback in healthy adults and head and neck cancer

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survivors. Dysphagia.

34. \*Allison R. Mackey, William E. Hodgetts, & Susan A. Small. (2017). Maturation of bone-conduction transcranial attenuation using a measure of sound pressure in the ear canal. *International Journal of Audiology*. 57(4): 283-290.
35. Hodgetts, W.E., & Scollie, S.D. (2017). DSL Prescriptive Targets for Bone Conduction Devices: Adaptation and Comparison to Clinical Fittings. *International Journal of Audiology*.
36. \*Gabriela Constantinescu, MSc-SLP, Jana Rieger, PhD, Kerry Mummery, PhD, William Hodgetts, PhD. (2017). Flow and Grit by Design: Exploring gamification in facilitating adherence to swallowing therapy for patients with head and neck cancer. *American Journal of Speech-Language Pathology*.
37. Hodgetts, W.E., Ostevik, A., Aalto, D. & Cummine, J. (2017). Don't Fade Into the Background: A randomized trial exploring the effects of message framing in audiology. *Canadian Journal of Speech Language Pathology and Audiology*. 41(2): 175-202.
38. \*Constantinescu, G., Loewen, I., King, B., Brodt., C., Hodgetts, W.E., Rieger, J. (2017). Designing a mobile health application for patients with dysphagia following head and neck cancer. *JMIR mHealth and uHealth*. 4(1): 1-10.
39. \*Constantinescu, G., Hodgetts, W.E., Scott, D., \*Kuffel, K., King, B. Brodt, C. & Rieger, J. (2017). Electromyography and mechanomyography signals during swallowing in healthy adults and head and neck cancer survivors. *Dysphagia*. 32(1): 90-103.
40. Hodgetts, W.E., Scott, D. (2017). Did you know how loud balloons can be?. *Hearing Review* - August 28, 2017.
41. Hopper, T., Slaughter, S., Hodgetts, W.E., Ostevik, A., & Ickert, C. (2016). Hearing loss and cognitive communication test performance among long-term care residents with dementia: Effects of amplification. *Journal of Speech, Language, and Hearing Research*.
42. \*Mackey, A., Hodgetts, W.E., Scott, D. & Small, S.A. (2016). Maturation of mechanical impedance of the skin-covered skull: Implications for soft band bone-anchored hearing systems fitted in infants and young children. *Ear and Hearing*. 37(4): 210-223.
43. \*Westover, L., Faulkner, G., Hodgetts, W.E., & Raboud, D. (2016). Advanced System for Implant Stability Testing (ASIST). *Journal of Biomechanics*.
44. \*Constantinescu, G. King, B., McMahon, M. Brodt, C., Hodgetts, W., Rieger, J. (2016). Designing for patients: Using a cultural probe in the development of a mobile health device and application for swallowing therapy in head and neck cancer patients. *University of Alberta Health Sciences Journal (UAHSJ)*. 12(1): 1-6.
45. J. R. Tysome · P. Hill-Feltham · W. E. Hodgetts · B. J. McKinnon · P. Monksfield · R. Sockalingham · M. L. Johansson · A. F. Snik. (2015). The Auditory Rehabilitation Outcomes Network: an international initiative to develop core sets of patient-centred outcome measures to assess interventions for hearing loss. *Clinical Otolaryngology*. 40(12): 512-515.
46. Jamieson, D.G., Kranjc, G., Yu, K. & Hodgetts, W.E. (2004). Speech Intelligibility of Young School-Aged Children in the Presence of Real-Life Classroom Noise. *Journal of the American Academy of Audiology*, 15(7), 508-517.
47. Snik, A.F.M. Mylanus, E.A.M., Cremers, C.W.R.J., Wolfaardt, J., Hodgetts, W.E., Somers, T., Proops, D.W., Tjellström, A., Wazen, J.J., & Niparko, J. (2005). Consensus statements on the BAHA system: Where do we stand at present? *Annals of Otolaryngology, Rhinology, and Laryngology*, 114 (12), Suppl 195:1-12.
48. Hodgetts, W.E., Scollie, S.D. & Swain, R. (2006). The BAHA® Softband: Effects of the Applied Contact Force and Volume Control Setting on Output Force Level. *International Journal of Audiology*, 45, 301-308.

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49. Hodgetts, W.E., Hagler, P. & Thompson, S.L. (2006). Exploring the Use of Factor Analysis to Determine the Relevant Dimensions of Outcome for a Given Population in Rehabilitation Science: A Tutorial. *Journal of Speech-Language Pathology and Audiology*, 30(2), 132-141.
50. Hodgetts, W.E. & Liu, R. (2006). Can Hockey Playoffs Harm Your Hearing? *Canadian Medical Association Journal*, 175(12), 1541-1541.
51. Hodgetts, W.E., Rieger, J.M., & Szarko, R.A. (2007). The Effects of Listening Environment and Earphone Style on Preferred Listening Levels of Normal Hearing Adults Using an MP3 Player. *Ear and Hearing*, 28(3), 290-297.
52. Hodgetts, S. & Hodgetts, W.E. (2007) Somatosensory Stimulation Interventions for Children with Autism: Literature Review and Clinical Considerations. *Canadian Journal of Occupational Therapy*, 74(5), 393-400.
53. Dumper, J.D., Hodgetts, W.E., Liu, R., & Brandner, N. (2009). Indications for BAHA®: A Functional Outcomes Study. *Journal of Otolaryngology-Head & Neck Surgery*, 38, 1, 96-105.
54. Hodgetts, W.E., Szarko, R.A., & Rieger, J.M. (2009). What is the Influence of Background Noise and Exercise on the Listening Levels of iPod Users? *International Journal of Audiology*, 48, 825-832.
55. Hodgetts, W.E., Hakansson, B.E.V., Hagler, P., & Soli, S. (2010). A Comparison of Three Approaches to Verifying Aided Baha Output. *International Journal of Audiology*, 49, 4, 286-295.
56. Hodgetts, W.E., Hagler, P., Hakansson, B.E.V., & Soli, S. (2011). Technology-Limited and Patient-Derived Versus Audibility-Derived Fittings in BAHA Users: An Efficacy Study. *Ear and Hearing*, 32, 1, 31-39.
57. Yu, J., Ostevik, A.V., Hodgetts, W.E., & Ho, A. (2011). Automated hearing tests: Applying the Otogram™ to patients who are difficult to test. *Journal of Otolaryngology - Head & Neck Surgery*, 40, 5, 376-383.
58. Szudek, J., Ostevik, A.V., Dziegielewski, P., Robinson-Anagor, J., Gomaa, N., Hodgetts, B. & Ho, A. (2012). Can uHear™ me now? Validation of an iPod-based hearing loss screening test. *Journal of Otolaryngology - Head & Neck Surgery*, 41, 78-84.
59. Brandner, N, Hodgetts, W.E., Ostevik, A., Rieger, J.M., (2012). Listening Levels of Teenage iPod Users: Does measurement approach matter? *Audiology Research*, 2, 6, 25-29.
60. Ostevik AV, Caissie R, Verge J, Gulliver M, Hodgetts WE. (2013). Are open-fit hearing aids a possible alternative to bone-anchored hearing devices in patients with mild to severe hearing loss? A preliminary trial. *Audiology Research*, 3 (2), 10-15. .
61. Logan, H., Wolfaardt, J., Seikaly, H., Hodgetts, W.E., & Boulanger, P. (2013). Evaluation of the Accuracy of Cone Beam Computerized Tomography (CBCT) Medical Imaging Technology in Head and Neck Reconstruction. *Journal of Otolaryngology - Head and Neck Surgery* 42:25.
62. Logan, H., Wolfaardt, J., Boulanger, P., Hodgetts, W.E., Seikaly, H. (2013). Pilot Study: Evaluation of the use of the convergent interview technique in understanding the perception of surgical design and simulation. *Journal of Otolaryngology - Head and Neck Surgery*, 42:40.
63. Logan, H., Wolfaardt, J., Boulanger, P., Hodgetts, W.E., Seikaly, H. (2013). Exploratory benchtop study evaluating the use of surgical design and simulation in fibula free flap mandibular reconstruction. *Journal of Otolaryngology - Head and Neck Surgery* 2013, 42:42.

## Book Chapters:

1. Chapter 39: Other Implantable Devices (Bone Anchored Hearing Aids) - 2011. *The Comprehensive Handbook of Pediatric Audiology* (Edited by Richard Seewald and Anne Marie Tharpe).
2. Chapter 31: Other Hearing Devices: Bone Conduction - 2015. *The Comprehensive Handbook of Pediatric Audiology* (Edited by Anne Marie Tharpe).

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3. Chapter 36. Bone Conduction Hearing Solutions - 2017. Audiology Treatment (Edited by Jason Galster). Thieme.

## Non-Refereed Publications:

1. Hodgetts, W.E., Chen, G., & Parsa, V. (2004). Advanced Measures of Bone Anchored Hearing Aids: Do They Correlate With Perceptual Judgments? Proceedings of the Canadian Acoustical Association, Canadian Acoustics, 32(3), 74-75.
2. Hodgetts, W.E., & Wolfaardt, J. (2005). Bone Anchored Hearing Aids (BAHA): Technology, Candidacy and Outcomes. Communiqué, Vol 15(2), 4-5
3. Hodgetts, W.E., (2005). Directional Capabilities of the BAHA Divino: Preliminary Objective Results. Bone Anchored Applications, 2, 11-14.
4. Hodgetts, W.E., & Holden, J. (2016). Why Understanding How Hearing Works Can Help You Preserve It Maclean's Magazine, May, 2016.
5. Hodgetts, W.E., Scott, D.K. (2016). Did you know how Loud Balloons Can Be? Canadian Audiologist.

## Presentations

1. Hodgetts, W.E. (2024). BCA Update For Oticon Medical 2024. Presented at a special event for Bone Conduction at the American Academy of Audiology, Atlanta, United States of America.
2. Hodgetts, W.E. (2023). BONE CONDUCTION HEARING: A WIDER WORLD OF OPTIONS, A LONG LIST OF IMPROVEMENTS AND SOME AREAS THAT STILL NEED WORK. Presented at the Canadian Academy of Audiology, Ottawa, Canada.
3. Hodgetts, W.E. (2023). How To Reduce Random Error (Noise) and Systematic Error (Bias) in Our Bone Conduction Fittings. Presented at OSSEO 2023, Denver, United States of America.
4. Hodgetts, W.E. (2021). Verification of BAHs: tools and applications for reducing error. Presented at Oticon Medical Scientific Meeting 2021.
5. Hodgetts, W.E., Scott, D., & Maas, P. (2019). Mini Session: Fitting Tips and Tricks for Bone Conduction Devices. Presented at the 7th International Congress On Bone Conduction Hearing and Related Technologies, Miami, United States of America.
6. Hodgetts, W.E., & Aalto, D. (2018). Bilateral Hearing In Bone Conduction. Presented at Oticon Medical Scientific Meeting, Copenhagen, Denmark.
7. Hodgetts, W.E. (2017). Prescription, Verification and Outcome Measure in Bone Conduction Devices. Presented at Oticon Scientific Meeting - 2017, Copenhagen, Denmark.
8. Hodgetts, W.E., & Cummine, J. (2017). This Test is Really Hard: Altering Hearing Performance in Noise with Just a Few Words. Presented at Osseo 2017 6th International Congress on BONE CONDUCTION HEARING AND RELATED TECHNOLOGIES, Nijmegen, Netherlands.
9. Hodgetts, W.E. (2016). Prescription and Verification for Pediatric Bone Conduction Users. Keynote address at the Seventh Sound Foundation Conference, Atlanta, United States of America.
10. Hodgetts, W.E. (2016). Hearing Loss: A Conversation Stopper. Presented at the University of Alberta's Lunch and Learn, Edmonton, Canada.
11. Constantinescu, G., King, B., Hodgetts, B., Rieger, J. (2015). Determinants for adherence to home swallowing therapy in patients with head and neck cancer: Understanding patient preferences for visual

# Bill Hodgetts, PhD

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- biofeedback. Presented at the Games for Health Europe Conference, Utrecht, Netherlands, November 4th, 2015.
12. Westover, L\*, Hodgetts, W.E., Faulkner, G., Raboud, D. (2015). ADVANCED SYSTEM FOR IMPLANT STABILITY TESTING (ASIST). Presented at the 5th International Symposium on Bone Conduction Implants and Related Technologies. Lake Louise, May 2015.
  13. Faulkner, G., Westover, L.; Hodgetts, W.E., Raboud, D. (2015). COMPARISON OF ASIST AND OSSTELL-ISQ FOR BAHA IMPLANT STABILITY. Presented at the 5th International Symposium on Bone Conduction Implants and Related Technologies. Lake Louise, May 2015.
  14. Constantinescu, G., Scott, D., Kuffel, K., King, B., Hodgetts, B., Brodt, C., Rieger, J. (2015). Electromyography and mechanomyography signals during swallowing in healthy adults and head and neck cancer survivors. Presentation at the Annual Otolaryngology Head and Neck Surgery Resident Research Day, May 2015.
  15. Hodgetts, W.E., (2014). Prescription and Verification of Bone Conduction Implants: Present and Future Considerations. Keynote Presentation at the International Hearing Aid Research Conference (IHCON), August 14, 2014.
  16. Steen, L., Boulanger, P., Hodgetts, W.E., Wolfaardt, J. Wright, E., & Zheng, B. (2014). Development of a practical simulator for training nasal endoscopy skills in otolaryngology residency programs. Presented at the Advanced Digital Technologies Conference, Beijing, August, 2014.
  17. Woeflin, F., Hakansson, B.E.V., Hodgetts, W.E., Lundren, H., & Scott, D. (2013). The Mechanical Point Impedance of the Skin- Penetrated Human Skull: A Comparative Study. Presented at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
  18. Wetter, T., Scott, D., Lundgren, H., Ostevik, A. & Hodgetts, W.E., (2013). Sound Quality Differences Between Advanced Bone Anchored Hearing Devices. Presented at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
  19. Hodgetts, W.E., Ho, A., & Ostevik, A., (2013). The burden of care of percutaneous BAHA: Health economics analysis based on our 20 year journey. Presented at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
  20. Westover, L., Raboud, D., Faulkner, G. & Hodgetts, W.E., (2013). Non-invasive Assessment of Bone-Anchored Hearing Aid Implant Stability Independent of Structural Components. Presented at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
  21. Small, S., Mackey, A., Hodgetts, W.E. (2013). Maturation of Skull Properties: Implications for Soft band Bone-Anchored Hearing Systems. Presented at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
  22. Slaughter S, Hopper T, Ostevik AV, Hodgetts WE. (2011, October). Hearing loss as a contributor to excess disability of long-term care residents with dementia: Issues in recruitment and data collection. Poster session presented at the Canadian Association on Gerontology 40th Annual Scientific & Educational Meeting, Ottawa, ON.
  23. Hodgetts WE, Ostevik AV, Wong K, Ball A. (2011, October). Comparison of audiologic results obtained from patients with no hearing aid, a transcutaneous and a percutaneous bone anchored device. Poster session presented at the Canadian Academy of Audiology 2011 Conference & Exhibition, Victoria, BC.
  24. Brandner N, Hodgetts WE, Ostevik AV, Rieger J. (2011, October). Listening levels of teenage iPod users: Does measurement approach matter? Poster session presented at the Canadian Academy of Audiology 2011 Conference & Exhibition, Victoria, BC.
  25. Ostevik AV, Szudek J, Dziegielewski P, Robinson-Anagor J, Gomaa N, Hodgetts WE, Ho A. (2011, October). Can uHear™ me now? Validation of an iPod-based hearing loss screening test. Poster session presented

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- at the Canadian Academy of Audiology 2011 Conference & Exhibition, Victoria, BC.
26. Yu, J., Hodgetts, W.E. and Lui, R. (2011). Comparison of hearing perception between patients with unilateral conductive hearing loss treated with ossicular chain reconstruction and bone-anchored hearing aid. Poster presented at the Third International Bone Conduction Hearing-Craniofacial Osseointegration Symposium, Sarasota, FL, March 2011.
  27. Ostevik, A.V., Hodgetts, W.E., Ehnes, A. & Feist, M. (2011). Survey of common practices among bone-anchored hearing practitioners. Poster presented at the Third International Bone Conduction Hearing-Craniofacial Osseointegration Symposium, Sarasota, FL, March 2011.
  28. Hodgetts, W.E., Ho, A., Yu, J., & Ostevik, A. (2011). Exploring the Reliability of an Automated Audiometer in Comparison to Manual Audiometry on Patients who Require Complex Masking. Paper presented at the Annual Covenant Health Research Day, Feb, 2011.
  29. Hodgetts, W.E., Scollie, S.D., & Ostevik, A. (2011). Comparison of Prescriptive Procedures for Implantable Bone Anchored Hearing Devices. Paper presented at the Third International Bone Conduction Hearing-Craniofacial Osseointegration Symposium, Sarasota, FL, March 2011.
  30. Bernard, M., Hodgetts, W.E., & Wilkes, G.A. (2008). What is the Influence of Microphone Location on the Performance of BAHA Users? Poster presented at the Canadian Academy of Audiology meeting, Halifax, October, 2008.
  31. Szarko, R.A., Hodgetts, W.E., & Rieger, J.M. (2008). The Effects of Ambient Noise and Physical Exertion on User-Preferred Listening Levels While Using a Personal MP3 Player. Poster presented at the Canadian Academy of Audiology meeting, Halifax, October, 2008.
  32. Hodgetts, W.E., Soli, S. & Hakansson, B.E.V. (2008). Patient-Derived vs. Audibility Derived Fittings in Baha Users: A Validation Study. Paper presented at the International Hearing Aid Research Conference (ICHON), Lake Tahoe, California, August, 2008.
  33. Dumper, J., Hodgetts, W.E., Liu, R. & Brandner, N. (2008). Indications for BAHA®: A Functional Outcomes Study. Paper presented to the Alberta Society of Otolaryngology, Jasper, March, 2008.
  34. Dumper, J., Hodgetts, W.E., Liu, R. & Brandner, N. (2007). Indications for Baha: Unilateral Conductive Hearing Loss vs. Unilateral Mixed Hearing Loss. Paper presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
  35. Hodgetts, W.E., Soli, S.D., & Hakansson, B.E.V. (2007). Patient-Derived vs. Audibility-Derived Fittings in Baha Users: An Efficacy Study. Poster presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
  36. Skjodt, N.M., Hodgetts, W.E. (2007). A new digital stethophone: bioacoustic analyses of breath sounds recorded from a simple mp3 player. Paper presented European Respiratory Society Annual Congress, September 2007.
  37. Hodgetts, W.E., Seelaus, R., Kew, R. (2006). Acoustical Assessment of Auricular Prostheses: Is There Anything to Gain? Paper presented at the joint meeting of the International Society of Maxillofacial Rehabilitation and the American Academy of Maxillofacial Prosthodontics. Maui, Hawaii, October, 2006.
  38. Hodgetts, W.E., Hakansson, B. E. V., & Soli, S. (2006). Two In-Situ Approaches to Assessing the Audibility of Amplified Speech for BAHA Users. Poster presented at the International Hearing Aid Research Conference (ICHON), Lake Tahoe, California, August, 2006.
  39. Liu, R., Hodgetts, W.E. & Ditoppa, J.D. (2006). Benefits of BAHA® for Users with Unilateral Deafness Compared with Users with Bilateral Conductive Hearing Loss. Paper presented at the 9th Annual Biomaterials Club, Val Gardena, Italy, February, 2006.
  40. Hodgetts, W.E. & Hakansson, B. E. (2006). Two New Verification Approaches for BAHA. Paper presented at

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- the 9th Annual Biomaterials Club, Val Gardena, Italy, February, 2006.
41. Hodgetts, W.E. & Scollie, S.D. (2005). The BAHA® Softband: Effects of the Applied Contact Force and Volume Control Setting on Output Force Level. Paper presented at the 7th European Federation of Audiological Societies (EFAS) meeting, Gothenburg, Sweden, June, 2005.
  42. Hodgetts, W.E. (2005). A Digital BAHA with a Directional Microphone: Preliminary Results. Poster presented at the 2nd International Conference on Advanced Digital Technology in Head and Neck Reconstruction, Banff, AB, March, 2005.
  43. Grosvenor, A., Raboud, D., & Hodgetts, W.E. (2005). A Pilot Study to Determine the Dimensional Accuracy of Various Rapid Prototyping (RP) Technologies. Poster presented at the 2nd International Conference on Advanced Digital Technology in Head and Neck Reconstruction, Banff, AB, March, 2005.
  44. Hodgetts, W.E. (2004). Advanced Measures of Bone Anchored Hearing Aids: Do They Correlate with Perceptual Judgments? Paper presented at the Canadian Acoustical Association, Ottawa, ON, October, 2004.
  45. Hodgetts, W.E. (2004). Advanced Measures of Bone Anchored Hearing Aids: Do They Correlate with Perceptual Judgments? Paper presented at the Canadian Academy of Audiology, Quebec City, QB, October, 2004.
  46. Hodgetts, W.E., & Soli, S (2004). A New Method for Evaluating the Audibility of Speech with the BAHA. Poster presented at the International Hearing Aid Research Conference (ICHON), Lake Tahoe, California, August, 2004.
  47. Liu, R., Hodgetts, W.E., & DiToppa, J.C. (2004). Bone-Anchored Hearing Aids: Indications Old and New. Presentation to the Alberta Otolaryngology Annual General Meeting, Lake Louise, Alberta, March, 2004.
  48. Hodgetts, W.E. (2004). A Tale of Two Devices: Electromechanical Comparisons of the BAHA® Compact and Classic 300. Paper Presented at the International Osseointegration Summit, Vail, Colorado, February, 2004.
  49. Chasin, M. & Hodgetts, W.E. (2003). An Update on Bone Anchored Hearing Aids. Presentation to the Canadian Academy of Audiology, Vancouver, BC, October, 2003.
  50. Hodgetts, W.E., Singh, G., Jennings, M.B., Dillon-Edgett, L., & Michaud, J. (2003). Demonstrating Benefit in Clinical Practice: Uncovering Patient Perspectives and Meeting Client Needs. Panel Discussion at the Canadian Academy of Audiology, Vancouver, BC, October, 2003
  51. Hodgetts, W.E. (2003). BAHA® as a Treatment Option for Profound Unilateral Sensorineural Hearing Loss: A Pilot Study. Poster Presentation at the Canadian Academy of Audiology, Vancouver, BC, Canada. October, 2003.
  52. Hodgetts, W.E., & DiToppa, J.C. (2003). Assessing the Effectiveness of BAHA® as a Treatment Option for Profound Unilateral Sensorineural Hearing Loss: The COMPRU Experience. The 4th International Symposium on Electronic Implants in Otology & Conventional Hearing Aids, Toulouse, France. June, 2003
  53. Hodgetts, W.E., & Jamieson, D.G. (2002). Assessing the Effectiveness of a Software-Based Auditory-Verbal Therapy Tool for Hearing-Impaired Children. Poster presented at the CLLRNet Annual General Meeting, Ottawa, ON, Canada, June, 2002.
  54. Scollie, SD, Seewald, RC, & Hodgetts, WE. Assessing over-amplification risk: Predicted safety limits vs. audiometric data-base analysis. American Auditory Society annual meeting, Scottsdale, AZ, 2000.
  55. Scollie, S.D., Seewald, R.C., & Hodgetts, W.E. (1999). Assessing the risk of overamplification from hearing aids fitted with the DSL method, Poster Presentation at the Canadian Academy of Audiology, Toronto, ON, Canada. October, 1999.
  56. Jamieson, D.G., Cheesman, M.F., Hodgetts, W.E., Taylor, B., Tremblay, L., & Freeman, A. (1999). Internet-based courses in Western's Audiology Program: one year later. Paper presented at annual

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meeting of the Canadian Acoustical Association, Victoria, B.C., Canada. October, 1999.

## Invited Presentations:

1. (2023). How To Reduce Random Error (Noise) and Systematic Error (Bias) in Our Bone Conduction Fittings. OSSEO 2023, Denver, United States of America.
2. (2019). Mini Session: Fitting Tips and Tricks for Bone Conduction Devices. 7th International Congress On Bone Conduction Hearing and Related Technologies, Miami, United States of America.
3. Prescription and Verification for Pediatric Bone Conduction Users. Keynote address given at the Seventh Sound Foundation Conference, Atlanta, October 4th, 2016.
4. Hearing Loss: A Conversation Stopper. Presentation given at the University of Alberta's Lunch and Learn. May 26, 2016.
5. How Do We Measure Outcomes for SSD. Invited talk given at Chole2016. The 10th international congress on cholesteatoma and ear surgery, Edinburgh, June 8th, 2016.
6. Outcome Measure in Bone Anchored Hearing Solutions: Invited talk given at the Bone Anchored Summit of the Americas, Fort Lauderdale, November 13, 2015.
7. Advances in Bone Conduction Hearing. Workshop presented at the Annual Congress of Nova Scotia Hearing and Speech Centres, October 1, 2014.
8. Prescription and Verification of Bone Anchored Hearing Devices. Presented at the 3rd Annual Oticon Medical Research Meeting, Copenhagen, Denmark, January 27th, 2014.
9. Dementia and Hearing Loss: Presentation given at the annual meeting of the Alberta College of Speech Language Pathologists and Audiologists, Edmonton, AB, October 25, 2013.
10. Knowledge Translation at iRSM. Presentation given at the annual covenant research day, Edmonton, AB, February, 2013.
11. Prescription and Verification of Bone Anchored Devices: A comparison trial. Keynote speech given at the 4th Annual conference on Osseointegration and Bone Conduction Hearing, Newcastle, UK, June, 2013.
12. Why is Verification Important for Bone Anchored Hearing? Presented at the Oticon Research Focus Forum in New Orleans, Louisiana, February 25, 2012.
13. BAAD to the Bone: An Update on Bone Anchored Amplification Devices. Presented at the Annual General Meeting of the Canadian Academy of Audiology in Victoria, BC. October, 2011.
14. Bance, M. (chair), Stenfelt, S., Flynn, M., Socklingham, R., Egg-Olofsson, M., Hodgetts, W. and Adamson, R. Panel discussion: Designing the next generation of processors. Third International Bone Conduction Hearing-Craniofacial Osseointegration Symposium in Sarasota, FL. March, 2011.
15. Hodgetts, B. (chair), Stenfelt, S., Bosman, A. and Deas, R. Panel discussion: Sound localization in osseointegrated implants.. Third International Bone Conduction Hearing-Craniofacial Osseointegration Symposium in Sarasota, FL. March, 2011.
16. Spare Part Human: Presentation given to 500 students at the Telus World of Science as part of the Real People, Real Science series. , November 2010.
17. Bone Anchored Hearing Solutions: Not as simple, but way more exciting. Presented in the Rehab Seminar Series. University of Alberta, Edmonton, November 1, 2010.
18. BAHAs: An update on Technology, fitting and verification strategies. Presented at the 40th anniversary of the communication sciences and disorders homecoming celebration at the University of Western Ontario,

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London, September, 2010.

19. iPods and Hearing Loss: Presented at the Annual General Meeting of the Canadian Academy of Audiology, Toronto, October, 2009.
20. Bone Anchored Hearing Aids: Candidacy, Outcomes and Verification: Presented at the Annual General Meeting of the Canadian Academy of Audiology, Toronto, October, 2009.
21. Panel Discussion on the Future of Implantable Bone Conduction Technologies. Presented to Second International Symposium on Bone Conduction Hearing - Craniofacial Osseointegration, Gothenburg, June 2009.
22. Panel Discussion on Bone conduction Physiology, Sound Propagation. Presented to the Second International Symposium on Bone Conduction Hearing - Craniofacial Osseointegration, Gothenburg, June 2009.
23. The Edmonton Baha Experience: Keynote Presentation Given at the Second International Symposium on Bone Conduction Hearing - Craniofacial Osseointegration, Gothenburg, June 2009.
24. Baha: Fully Implantable Bone Conduction Amplification. Presented to the CIMeDD group, Edmonton, April 2009.
25. Objectively Measuring the Baha. Presentation given at the Convergence of Technologies Conferences: Cochlear Implants and Hearing Aids. Miami, Florida, January, 2009.
26. The Baha Program at iRSM: Presentation at Nursing Rounds, Grey Nuns Hospital and Misericordia Hospital, December, 2008.
27. Bone Anchored Hearing Aids in Alberta: Presentation to the Alberta College of Speech Language Pathologists and Audiologists (ACSLPA) annual general meeting, November 2008.
28. Baha: An Audiological Update. Presented at the "Baha: Bone Conduction Implants a 2008 Update. McGill University and Montreal Children's Hospital, November 2008.
29. Fitting and Verification Procedures for Baha. Presented to the American Academy of Audiology, Charlotte, NC, April, 2008.
30. Panel Discussion on Difficult Baha Cases. Presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
31. Panel Discussion on Single-Sided Deafness. Presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
32. Panel Discussion on Outcome Measures. Presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
33. Selection Criteria for Baha: What are the indications and how do we test them pre-operatively? Presented to the First International Symposium of Bone Conduction Hearing and Osseointegration, Halifax, NS, July, 2007.
34. Baha: the shoe usually fits, but at times the toes are pinching. Presented to the Glenrose Rehabilitation Research Seminar Series, Edmonton, AB, January, 2007.
35. MP3 Players and Hearing Loss: Some things to consider. Presentation to the Canadian Academy of Audiology, Calgary, AB, October, 2006.
36. Baha: Current Status and Future Considerations. Presentation to the Canadian Academy of Audiology, Calgary, AB, October, 2006.
37. The Bone Anchored Hearing Aid: Audiological Aspects. Presentation to the Island Hearing Services Group, Vancouver, BC, January, 2005.
38. Amplification by Bone Conduction: Today and Tomorrow. Presentation to the Graduating Audiology Students, University of Western Ontario, National Centre for Audiology, London, ON, October, 2004.

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39. BAHA: Candidacy, Outcomes and Future Considerations: Pre-conference Workshop. Canadian Academy of Audiology, Quebec City, QB, October, 2004.
40. Bone Anchored-Hearing Aids at COMPRU: Today and Tomorrow. Annual Community Audiology Meeting, Glenrose Rehabilitation Hospital, September, 2004.
41. Electromechanical Comparisons of the Compact and Classic 300 Bone Anchored Hearing Aids: Lessons from the Skull Simulator. Rehabilitation Seminar Series, University of Alberta, March, 2004.
42. The Future of BAHA® Research. International Osseointegration Summit, Vail, Colorado, February, 2004.
43. Bone Anchored Hearing Aids: An Overview. University of Alberta Hospital, Department of Audiology and Speech Language Pathology, January 2004.
44. A Prospective Look at Bone Conduction Amplification. Lecture Given for COMPRU's 10 Year Anniversary, September, 2003.
45. Evidence-Based Practice: Because you'll never know it all. Department of Speech pathology and Audiology, September, 2003.
46. Survey of Common BAHA® Practices. Sahlgrenska Hospital, Gothenburg, Sweden, June, 2003.
47. Bone Anchored Hearing Aids, Past, Present and Future. Glenrose Rehabilitation Hospital, Edmonton, AB, May, 2003.

## Research Funding

### Awarded Funding

1. Co-applicant  
Project: Towards improved fittings, better outcomes and increased cognitive capacity with bone conduction devices  
Duration: 2021 - 2025  
Funding Body: MITACS  
Role: Co-applicant  
Total Award: \$330,000 CAD
2. Co-investigator  
Project: Using machine learning to diagnose adverse skin response around bone conduction amplification implant abutments  
Duration: 2021 - 2022  
Funding Body: Edmonton Civic Employees Charitable Assistance Fund  
Role: Co-investigator  
Total Award: \$4,800 CAD
3. Principal Applicant  
Project: Operating funding for Bone Conduction Research  
Duration: 2017 - 2021  
Funding Body: Oticon Foundation  
Role: Principal Applicant  
Total Award: \$50,000 CAD
4. Co-applicant  
Project: Towards an Understanding of Best Practices in Goal Attainment Scaling Implementation and

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## Feasibility

Duration: July 2021

Funding Body: MITACS

Role: Co-applicant

Total Award: \$30,000 CAD

## 5. Principal Investigator

Project: Osseo Fund - iRSM

Duration: 2016 - 2021

Funding Body: Osseo Fund

Role: Principal Investigator

Total Award: \$43,000 CAD

## 6. Principal Applicant

Project: Which prescription do we trust? A comparison of prescriptive approaches in bone conduction amplification

Duration: 2019 - 2020

Funding Body: Covenant Health Research Centre

Role: Principal Applicant

Total Award: \$4,270 CAD

## Completed Funding

### 1. Principal Applicant

Project: Influence of Messaging on Uptake and Adherence to Hearing Services

Duration: 2017 - 2020

Funding Body: Sonova Foundation

Role: Principal Applicant

Total Award: \$20,000 CAD

### 2. Collaborator

Project: AURONET - Aural Rehabilitation Outcomes Network

Duration: 2014 - 2019

Funding Body: Oticon Foundation

Role: Collaborator

Total Award: \$75,000 USD

### 3. Collaborator

Project: Portable Swallowing Therapy Unit for Head and Neck Cancer Patients with Chronic Swallowing Difficulties

Duration: 2014 - 2019

Funding Body: Alberta Cancer Foundation

Role: Collaborator

Total Award: \$1,923,362 CAD

### 4. Principal Applicant

Project: Prescription and Verification of Active Bone Conduction Implants (A-BCI)

Duration: 2014 - 2018

Funding Body: Oticon Foundation

Role: Principal Applicant

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Total Award: \$410,000 CAD

## **Patents/Licences**

Hodgetts, W.E. & Hakansson, B.E.V. (Co-inventors). Fitting and Verification Procedures for Direct Bone Conduction Hearing Devices. Swedish Patent Number: 0702629-7

Scollie & Hodgetts (2017). Desired Sensation Level - Bone Conduction: Our prescription for Bone Conduction Output is licenced by three manufacturers.

## **Academic Service and Leadership**

Throughout my career, I have actively contributed to a variety of committees and boards that influence academic and professional practices in audiology and health sciences. Since 2004, my roles have spanned across the Institute for Reconstructive Sciences in Medicine (iRSM) and the University of Alberta.

Key long-term commitments include membership in the Research Management Group at iRSM since 2006, involvement in the Centre for Implantable Device Development (CIMEDD) from 2007 to 2012, and the Scientific Advisory Committee for the International Symposium on Bone Conduction Hearing-Craniofacial Osseointegration since 2008. My leadership was particularly highlighted during my tenure as Chair of the Scientific Advisory Committee for the Canadian Academy of Audiology from 2008 to 2014, and as President of the Academy in 2016.

I have also contributed to the academic community at the departmental level, serving on Admissions and Community Relations Committees for the Department of Speech Pathology and Audiology. Additionally, I have been involved in faculty-level committees including the Faculty Evaluation Committee and the Research Committee, underscoring my commitment to faculty development and research excellence.

These roles reflect my ongoing dedication to advancing research, education, and professional standards in audiology and health sciences.