

# CURRICULUM VITAE

## Christopher R. Watts, Ph.D.

Harris College of Nursing & Health Sciences  
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### **BIOGRAPHICAL INFORMATION**

#### **EDUCATION**

University of South Alabama	B.S.	1994	Speech & Hearing Science
University of South Alabama	Ph.D.	1998	Communication Sciences & Disorders

#### **LEADERSHIP APPOINTMENTS**

Dean, Harris College of Nursing & Health Sciences, Texas Christian University	2019 - present
Asst. Dean for Strategic Initiatives, Harris College of Nursing & Health Sciences	2015 - 2018
Director (Chair), Davies School of Communication Sciences & Disorders, TCU,	2008 – 2019
Graduate Program Director, Communication Sciences & Disorders	2008 - 2019
Director, Miller Speech & Hearing Clinic, Texas Christian University	2008 – 2011.

#### **ACADEMIC & PROFESSIONAL APPOINTMENTS**

Professor, Davies School of COSD, Texas Christian University	2008 - present
Associate Professor, James Madison University	2004 – 2008
Assistant Professor, University of South Alabama	2000 – 2004
Assistant Professor, University of Central Florida	1998 – 2000
Speech-Language Pathologist, NovaCare	1997-1998
Speech-Language Pathologist, SAADS Healthcare	1996-1997

#### **PROFESSIONAL STATUS**

Certified Clinician (Certificate of Clinical Competence, Speech Language Pathology), ASHA  
Licensed Clinician (Texas Board of Examiners for Speech-Language Pathology)

#### **PROFESSIONAL AFFILIATIONS**

American Speech-Language-Hearing Association	The Voice Foundation
Texas Speech-Language-Hearing Association	Pan American Vocology Assoc.
International Association of Logopedics & Phoniatrics	
ASHA SIG 3, Voice and Voice Disorders	

## SCHOLARSHIP

### Publications

#### Peer –Reviewed: Original Research & Scholarly Reviews

*\* Indicates publication with student*

1. \*Thijs Z, Knickerbocker K, **Watts CR** (in press). Epidemiological Patterns and Treatment Outcomes in a Private Practice Community Voice Clinic. **Journal of Voice**.
2. \*Thijs Z, **Watts CR** (in press). Perceptual Characterization of Voice Quality in Non-Advanced Stages of Parkinson's Disease. **Journal of Voice**.
3. \*Kim J, **Watts CR** (2021). A Comparison of Swallow-Related Submandibular Contraction Amplitude and Duration in People with Parkinson's Disease and Healthy Controls. **International Journal of Speech-Language Pathology**, 23: 305–312.
4. Barsties B, **Watts CR** (2021). A case of nervus laryngeus superior paresis treated with Novafon Local Vibration Voice Therapy. **Journal of Voice**, 35(3): 406-410.
5. \*Panzone L, **Watts CR**. (2020). Regulation of Transglottal Airflow in Speakers with Parkinson's Disease. **Journal of Voice**, 34 (6): 961.e1-961.e7.
6. \*Dumican M, **Watts CR** (2020). Predicting Airway Invasion Using Screening Tools and Laryngeal Kinematics in People with Parkinson's Disease: A Pilot Study. **Journal of Parkinson's Disease**, 10(3):1153-1160
7. Joshi A, **Watts CR** (2020). Phonation quotient using three aerodynamic instruments in the disordered voice. **Journal of Voice**, 34(1): 20-24.
8. Barsties B, **Watts CR**, Rücker G, Neumann K (2020). The Effectiveness of Voice Therapy on Voice-Related Handicap: A Network Meta-Analysis. **Clinical Otolaryngology**, 45: 796–804.
9. \*Dumican M, **Watts CR** (2020). Self-Perceptions of Speech, Voice, and Swallowing in Motor Phenotypes of Parkinson's Disease. **Clinical Parkinsonism & Related Disorders**, 3, 100074.
10. \***Watts CR**, Knickerbocker K. (2019). Characteristics of a Treatment-Seeking Population in a Private Practice Community Voice Clinic: An Epidemiological Study. **Journal of Voice**, 33(4): 429–434.
11. \*Burk B, **Watts CR** (2019). The effect of Parkinson's disease tremor phenotype on cepstral peak prominence and transglottal airflow in vowels and speech. **Journal of Voice**, 33(4): 580.e11-580.e19.
12. **Watts CR**, Hamilton A, Toles L, Childs L, Mau T (2019). Intervention Outcomes of Two Treatments for Muscle Tension Dysphonia: A Randomized Controlled Trial. **Journal of Speech, Language, and Hearing Research**, 62(2): 272-282.
13. Joshi A, **Watts CR** (2018). A comparison of indirect and direct methods for estimating transglottal airflow rate. **Journal of Voice**. 32(6):655-659
14. \***Watts CR**, Dumican MJ (2018). The effect of transcutaneous neuromuscular electrical stimulation on laryngeal vestibule closure timing in swallowing. **BMC Ear, Nose, and Throat Disorders**, 18(5): 1-7.

15. **Watts CR**, Awan SN, Maryn Y (2017). A Comparison of Cepstral Peak Prominence Measures from Two Acoustic Analysis Programs. **Journal of Voice**. 31 (3): 387.e1-387
16. Gaskill C, Awan JA, Awan SN, **Watts CR** (2017). Acoustic and perceptual classification of within-sample normal, intermittently dysphonic, and consistently dysphonic voice types. **Journal of Voice**, 31(2): 218-228.
17. **Watts CR**, Vanryckeghem M. (2017). Communication-Related Affective, Behavioral, and Cognitive Reactions in Speakers with Spasmodic Dysphonia. **Laryngoscope Investigative Otolaryngology**, 2(6): 466-470.
18. Joshi A, **Watts CR** (2017). Phonation Quotient in Females: A Measure of Vocal Efficiency Using Three Aerodynamic Instruments. *Journal of Voice*, 31(2): 161-167
19. **Watts CR** (2016). Treatment modality and timing influence voice outcomes for vocal fold paralysis after thyroidectomy: A recommendation for guarded generalizations from a meta-analysis. **Evidence-Based Communication Assessment and Intervention**, 10(1), 20-24.
20. Joshi A, **Watts CR** (2016). Measurement reliability of phonation quotient derived from three aerodynamic instruments. **Journal of Voice**, 30(6): 773.e13-773.e19
21. \*Hughes T, **Watts CR** (2016). The Effects of Two Resistive Exercises on Electrophysiological Measures of Submandibular Muscle Activity. **Archives of Physical Medicine and Rehabilitation**, 97(9): 1552-1557.
22. **Watts CR** (2016). The prevalence of voice problems in a sample of collegiate a cappella singers. **Journal of Speech Pathology & Therapy**, 1:105.  
doi:10.4172/jspt.1000105
23. **Watts CR** (2016). A Retrospective Study of Long-Term Treatment Outcomes for Reduced Vocal Intensity in Hypokinetic Dysarthria. **BMC Ear, Nose, and Throat Disorders**. 16:2. eCollection doi: 10.1186/s12901-016-0022-8.
24. \***Watts CR**, Kelly B (2015). The Effect of Bolus Consistency and Sex on Electrophysiological Measures of Hyolaryngeal Muscle Activity During Swallowing. **Dysphagia**, 30(5): 551-557.
25. \***Watts CR**, Ronshaugen R, Saenz D (2015). The Effect of Age and Vocal Task on Cepstral/Spectral Measures of Vocal Function in Adult Males. **Clinical Linguistics & Phonetics**, 29(6): 415-423.
26. **Watts CR**, Hamilton A, Toles L, Childs L, Mau T (2015). A Randomized Controlled Trial of Stretch-and-Flow Voice Therapy for Muscle Tension Dysphonia. **Laryngoscope**, 125(6): 1420-1425.
27. **Watts CR** (2015). The Effect of CAPE-V Sentences on Cepstral/Spectral Measures in Dysphonic Speakers. **Folia Phoniatrica et Logopedica**, 67 (1):15-20.
28. **Watts CR**, Hamilton A, Toles L, Childs L, Mau T. (2015). The Effect of Stretch-and-Flow Voice Therapy on Measures of Vocal Function and Handicap. **Journal of Voice**, 29(2):191-199.

29. Awan SN, Bressman T, Poburka B, Roy N, Sharp H, **Watts CR** (2015). Dialectical Effects on Nasalance: A Multicenter, Cross-Continental Study. **Journal of Speech, Language, & Hearing Research**, 1;58(1): 69-77.
30. **Watts CR** (2015). An Examination of Variations in the Cepstral Spectral Index of Dysphonia (CSID) Across a Single Breath Group in Connected Speech. **Journal of Voice**, 29(1): 26-34.
31. **Watts CR** (2014). Preliminary Experimental Evidence Supports The Need For Further Research Into The Effects of LSVT LOUD on Voice and Speech Function in Children with Spastic Cerebral Palsy. **Evidence-Based Communication Assessment and Intervention**, 7(4): 139-144.
32. **Watts CR**. (2013). Measurement of hyolaryngeal muscle activation using surface electromyography for comparison of two rehabilitative dysphagia exercises. **Archives of Physical Medicine & Rehabilitation**, 94: 2542-8.
33. \*Peterson J, **Watts CR**, Cooper B. (2013). Laryngeal Aging and Acoustic Changes in Male Rat Ultrasonic Vocalizations. **Developmental Psychobiology**, 55(8): 818-28.
34. **Watts CR**, Rousseau B (2012). Slippery elm, its biochemistry, and use as a complementary and alternative treatment for laryngeal irritation. **Journal of Investigational Biochemistry**, 1(1): 17-23.
35. **Watts CR** (2012). Behavioral voice therapy in school-age children with vocal fold nodules. **Evidence Based Practice Briefs**, 6: 49-56.
36. **Watts CR**, Awan SN (2011). Spectral/cepstral analysis of sustained vowels vs. continuous speech in hypofunctional and normal voice subjects. **Journal of Speech, Language, & Hearing Research**, 54(6): 1525-1537.
37. Awan SN, Omlor K, **Watts CR** (2011). Effects of vowel loading and computer system on measures of nasalance. **Journal of Speech, Language, & Hearing Research**, 54(5), 1284-1294.
38. **Watts CR**, Mecham RP, Knutsen RH, Ciliberto C (2011). Evidence for heterozygous abnormalities of the elastin gene (ELN) affecting the quantity of vocal fold elastic fibers: a pilot study. **Journal of Voice**, 25(2), e85-e90.
39. **Watts CR**, Marler JA, Rousseau B (2011). Qualitative characterization of elastic fiber distribution in the mouse vocal fold: further development of an animal model. **Journal of Voice**, 25(1), e1-e6.
40. **Watts CR**, Prezas R, Awan S. (2010). Effects of voice therapy: A systematic review that results in limited conclusions. **Evidence-Based Communication Assessment and Intervention**, 4(1), 1-4.
41. Awan S, **Watts CR**, Prezas R (2010). Systematic review of voice therapy for functional voice disorders: positive results from a conservative review. **Evidence-Based Communication Assessment and Intervention**, 4(1), 5-10.

42. **Watts CR.** (2009). Lack of evidence from randomized controlled trials prohibits analysis of effectiveness for the behavioral treatment of Childhood Apraxia of Speech: A systematic review of quasi-experimental group designs and single-subject experimental designs is needed. **Evidence-Based Communication Assessment and Intervention**, 3(1), 8-10.
43. **Watts CR,** Awan S, Marler JA. (2008). An investigation of voice quality in individuals with inherited elastin gene abnormalities. **Clinical Linguistics & Phonetics**. 22(3), 199-213.
44. **Watts CR,** Hall M. (2008). Timbral influences on vocal pitch-matching accuracy. **Logopedics Phoniatrics Vocology**, 33(2), 74-82.
45. **Watts CR,** Truong D, Nye C. (2008). Evidence for the effectiveness of botulinum toxin for spasmodic dysphonia from high-quality research designs. **Journal of Neural Transmission**. 115 (4): 625-630.
46. Moore R, Estis J, Hickey S, **Watts CR.** (2008). Pitch Matching and Pitch Discrimination Abilities with Vocal and Non-vocal Stimuli. **Journal of Voice**, 22(4), 399-407.
47. **Watts CR,** Marler J, Urban Z. (2007). The effects of supravocalic aortic stenosis elastin gene mutation on voice production. **Journal of Medical Speech-Language Pathology**, 15(4), 395-406.
48. Moore R, Keaton C, **Watts CR** (2007). The Role of Pitch Memory in Pitch Discrimination and Pitch Matching. **Journal of Voice**, 21(5), 560-567.
49. \*McCrea, C.R., & **Watts, CR.** (2007). Relations of singing talent with voice onset time of trained and untrained female singers. **Perceptual and Motor Skills**, 105, 133-142.
50. Moore R, Estis J, Zhang F, **Watts CR,** Marble E. (2007). Relations of pitch matching, pitch discrimination, and otoacoustic emission suppression in individuals not formally trained as musicians. **Perceptual and Motor Skills**, 104 (4): 777-784 .
51. **Watts, CR.** (2007). Methodological limitations inhibit conclusions regarding the effectiveness of medialization thyroplasty over injection laryngoplasty for long-term treatment of unilateral vocal fold paralysis. **Evidence-Based Communication Assessment and Intervention**, 1(4), 168-170.
52. **Watts, CR.** (2007). Questionable evidence for the effectiveness of prosthetic treatment in managing velopharyngeal dysfunction. **Evidence-Based Communication Assessment and Intervention**, 1, 76-77.
53. \***Watts CR,** Barnes-Burroughs K, Estis J, & Blanton, D. (2006). The singing power ratio as an objective measure of singing voice quality in talented and non-talented singers. **Journal of Voice**, 20 (1): 82-88.
54. **Watts CR,** Nye C, Whurr C. (2006). Botulinum Toxin for Treating Spasmodic Dysphonia (Laryngeal Dystonia): A Systematic Cochrane Review. **Clinical Rehabilitation**, 20 (2): 112-122.

55. **\*Watts CR**, Moore R, McCaughren K, Carr M. (2005). The relationship between vocal pitch-matching-skills and pitch discrimination skills in untrained accurate and inaccurate singers. **Journal of Voice**, 19 (4): 534-543.
56. Barnes-Burroughs K, **Watts CR**, Brown O, & Lovetri J. (2005). The visual/kinesthetic effects of melodic contour in musical notation as it effects vocal timbre in singers of classical and music theatre repertoire. **Journal of Voice**, 19 (3): 411-419.
57. **Watts CR**, Nye C, & Whurr R (2004). Botulinum toxin injections for spasmodic dysphonia. **The Cochrane Library**, Issue 3 (July 2004).
58. **\*Watts CR**, Barnes-Burroughs K, & Andrianopoulos M, Carr M. (2003). Potential factors related to untrained singing talent: a survey of singing pedagogues. **Journal of Voice**, 17 (3): 298-307.
59. **\*Watts CR**, Murphy J, & Barnes-Burroughs K (2003). Pitch-matching accuracy of trained singers, untrained subjects with talented singing voices, and untrained subjects with non-talented singing voices in conditions of varying feedback.. **Journal of Voice**, 17 (2): 187-196.
60. **\*Rousseau B, Watts CR**. (2002). Susceptibility of speakers with Parkinson disease to delayed auditory feedback. **Journal of Medical Speech-Language Pathology**, 10(1): 41-49.
61. **Watts CR**, Early S. (2002). Corticosteroids – effects on voice. **Current Opinion in Otolaryngology**, 10(3): 168-172.
62. **Watts CR**, VanRyckeghem M. (2001). Laryngeal dysfunction in Amyotrophic Lateral Sclerosis. **BMC Ear, Nose, and Throat Disorders**, (1).
63. **Watts CR**, Dagenais P. (2001). Effects of attentional load on speech rate reduction in subgroups of speakers with Parkinson's disease. **Journal of Medical Speech-Language Pathology**, 9(1): 55-61.
64. **Watts CR**, Clark R, Early S. (2001). Acoustic measures of phonatory improvement secondary to treatment by oral steroids in a professional singer. **Journal of Voice**, 15(1): 115-121.
65. Boutsen F, Brutton G, **Watts CR**. (2000). Timing and intensity variability in metronomic speech of stuttering and nonstuttering speakers. **Journal of Speech-Language-Hearing Research**, 43(2): 513-520.
66. Dagenais P, **Watts CR**, Turnage L, Kennedy S. (1999). Intelligibility and acceptability of moderately dysarthric speech by three types of listeners. **Journal of Medical Speech-Language Pathology**, 7(2): 91-96.
67. Cannito M, Burch A, **Watts CR**, Rappold P, Hood S, Sherrard K. (1997). Disfluency in spasmodic dysphonia: a multivariate analysis. **Journal of Speech-Language-Hearing Research**, 40(3): 627-641.

## **Books**

1. **Watts CR**, Awan SN. (2019). Laryngeal Function and Voice Disorders: Basic Science to Clinical Practice. New York: Thieme Medical Publishers. ISBN 9781626233904

## **Book Chapters**

1. **Watts CR** (2018). Phonation. In Rousseau B, Bransky R (Eds.): **Anatomy & Physiology of Speech and Hearing**. Thieme Publishers.
2. Dagenais P, Garcia J, **Watts CR**. (1998). Acceptability and intelligibility of mildly dysarthric speech by different listeners. In Cannito, M., Yorkston, K. & Beukelman, D. (Eds.): **Neuromotor Speech Disorders: Nature, Assessment, and Treatment**. Brookes Publishing Col: Baltimore.

## **Published Proceedings / Abstracts/ Other Professional Publications**

1. Augsburger G, Soloveva A, **Watts CR**, King A, Castleberry T, Car J (2021). An Examination of Rapid Force and EMG Rise in the Morning Versus the Evening. **International Journal of Exercise Science: Conference Proceedings**. 2(13): Article 75.
2. **Watts CR** (2020). Acoustic and Aerodynamic Assessment: A Historical Compendium from the Journal of Voice. Journal of Voice Source Readings (Sataloff, RT ed.). [www.jov.org](http://www.jov.org)
3. Awan SN, Awan JA, **Watts CR**, Gaskill CS (2018). Response to Aichinger and Kubin Re: Letter to the Editor "Acoustic and Perceptual Classification of Within-Sample Normal, Intermittently Dysphonic, and Consistently Dysphonic Voice Types". **Journal of Voice**. 32(3): 383-384.
4. Peterson J, **Watts CR**, Cooper B. (2010, November) Acoustic and temporal changes of ultrasonic vocalizations in aged Long Evans rats. Program No. 710.18/NNN18 . **2010 Neuroscience Meeting Planner**. San Diego, CA: Society for Neuroscience, 2010. Online.
5. **Watts CR**, O'Donoghue C, Marler J. (2006, June). The Clinical Relevance Of Tremor-Dominant and Akinetic-Rigid Dominant Subtypes of Parkinson's Disease. **Stem-, Spraak- en Taalpathologie**, 14 (Supplement): 60.
6. O'Donoghue C, **Watts CR**, Marler J. (2006, June). Cognitive-linguistic and motor speech performances in tremor-dominant and akinetic rigid dominant subtypes of Parkinson's disease. **Stem-, Spraak- en Taalpathologie**, 14 (Supplement): 80.
7. Marler J, **Watts CR**. (2006, June). *Speech encoding as reflected in phonological processing tasks in children with Williams syndrome*. **Stem-, Spraak- en Taalpathologie**, 14 (Supplement): 17

8. Moore, R., Keaton C.. **Watts CR**. (2005). Role of pitch memory in pitch matching and pitch discrimination. The **ASHA Leader**, Aug. 16, pp. 4.

### ADVANCEMENT / GRANTS

#### Advancement & External Support

- 2019 – present (Dean of Harris College): **\$1,874,000** generated in support from external sources.
- 2008 – 2019 (Director of Davies School): > **\$5,400,000** generated in support from external sources. Highlights include:
  - \$5,000,000 endowment gift to support Davies School of COSD (2014)
  - \$200,000 gift to build a new graduate workroom (2013)
  - \$40,000 in gifts from Fort Worth Scottish Rite Foundation (2018 & 2019)
  - \$25,000 gift from Bank of America to support speech & hearing clinic (2010)

#### Extramural Grants Funded

1. **Watts CR**. (2019). Parkinsonology. **Parkinson's Foundation Community Grant. \$18,000**
2. **Watts CR (PI)**, Dyson L, Geymer A, Hampton S, Johnson V, Machos D. (2018). Endeavor Parkinsonology Fort Worth. **Parkinson's Foundation Community Grant. \$20,000**
3. Hawley D, Dart L, Jackson L, **Watts CR**. (2017). Seniors Assisting in Geriatric Education (SAGE) program grant. **Pierce M. Williamson & Jeannette G. Williamson Foundation. \$12,500.**
4. **Watts, CR**. (PI) (2007). A Mouse Model for Studying the Role of the Elastin Gene (ELN) in Vocal Fold Development and Function. **The Jeffress Memorial Trust. \$23,500**

#### Extramural Grants Submitted

1. Rangarathnam B, **Watts CR**, McCullough G. (Submitted October 2017 - under review). Flow Phonation Treatment for Vocal Fold Nodules in Children. **R15** submitted to NIH Institute on Deafness and Other Communication Disorders (NIDCD). **\$235,199.**
2. **Watts, CR** & Rousseau, B, Awan S. (2012) Phenotypic Vocal Characteristics of Elastin Gene Abnormality. **R21** submitted to the NIH Institute on Deafness and other Communication Disorders (NIDCD), Grant Tracking #: 11183608 **\$356,512.**
3. **Watts, CR**. (2012). The Clinical Efficacy of Stretch-and-Flow Voice Therapy: A Multi-Center Randomized Clinical Trial. **ASHA Foundation** Collaborative Clinical Research Grant, **\$67,578.00.**
4. **Watts, CR**. (2007). "The Role of Elastin in Vocal Fold Structure and Function." **R03** submitted to the NIH Institute on Deafness and other Communication Disorders (NIDCD), Grant Tracking #: 00127540 **\$177,589.00.**



## Intramural Grants Funded

1. **Watts, CR** (2012-2013). The Clinical Efficacy of Stretch-and-Flow Voice Therapy for Muscle Tension Dysphonia: A Randomized Clinical Trial. TCU Invests in Scholarship grant. Texas Christian University. **\$22,000**
2. **Watts, CR** (2012-2013). Speech Pathology in the United Kingdom. Instructional Development Grant. Texas Christian. **\$3,600**
3. **Watts, CR** (2011-2012). Nasalance Patterns in Male and Female Speakers of Texas Southern Dialect. Research and Creative Activities Grant. Texas Christian University. **\$3,440**
4. **Watts, CR.** (2010-2011). Effects of the ELN Gene in Vocal Fold Structural Formation and Gross Laryngeal Development. HCHNS Faculty Summer Grant Program. Texas Christian University. **\$6,000**
5. **Watts, CR.** (2010). Coleman Faculty Fellow in Entrepreneurship. Neeley Entrepreneurship Center, Texas Christian University. **\$4,000**
6. **Watts, CR.** (2009-2010). Maturation of the Vocal Fold Elastic Fiber System in the Mouse: Development of a Translational Animal Model. Research and Creative Activities Grant. Texas Christian University. **\$4,000**
7. Hall M, **Watts, CR.** (2005-2006). Multidimensional Model of Vocal Deception. Institute for Infrastructure and Information Assurance – James Madison University. **\$30,626**
8. **Watts, CR,** O'Donoghue C, Marler J (2005-2006). Communicative Function in Subtypes of Parkinson's Disease: An Investigation of Tremor Dominant and Akinetic-Rigid Dominant Types. Department of Communication Sciences & Disorders – James Madison University. **\$12,400**
9. **Watts, CR,** Marler J. (2005) Optical Coherence Tomography Training. CISAT Mini-Grant – James Madison University. **\$1,400**
10. **Watts, CR.** (2002). "Physiological Differences in Phonatory and Articulatory Abilities Between Untrained Talented and Non-Talented Singers." University of South Alabama Research Council. **\$3,429**
11. **Watts, CR.** (2001). "Aerodynamic and Phonatory Measures of Speech Production in Subgroups of Speakers with Parkinson's Disease." University of South Alabama Research Council. **\$5,000**
12. **Watts, CR.** (1999). Subgroups in Parkinson's Disease: Speech Timing in High versus Low Intelligible Speakers. University of Central Florida Grant Program. **\$3,579**

## **PRESENTATIONS**

### ***International & National Refereed Scientific and Professional Presentations***

1. Thijs Z, Van Lierde K, Vanryckeghem M, Zheng Y, **Watts CR** (2021, November). Self-perceived Affective, Behavioral, and Cognitive Reactions Associated with Hypophonia in People with Parkinson's Disease. ASHA Convention, Washington D.C.
2. Thijs Z, Van Lierde K, Vanryckeghem M, Zheng Y, **Watts CR** (2021, October). Partner Perception of Affective, Behavioral, and Cognitive Reactions to Voice in People with Parkinson's Disease. Fall Voice Conference, Miami, FL.
3. **Watts CR**, Thijs Z, Dumican M. (2021, June). The Effect of Vocal Intensity Mode on Voice Production in People With Parkinson's Disease. 50th Annual Symposium: Care of the Professional Voice. Virtual Conference.
4. Thijs Z, **Watts CR** (2020, June). The Effect of Speaking a Second Language on Vocal Function and Vocal Quality of Life. 49<sup>th</sup> Annual Symposium: Care of the Professional Voice. Virtual conference.
5. **Watts CR**, Awan SN (2019, November). Low-Tech Options for Aerodynamic Assessment of Voice Disorders: Review & Demonstration for Clinical Practice. ASHA Convention, Orlando, FL.
6. Brenk J, Flahive L, Rivera Campos, A, **Watts CR** (2019, November). Electropalatography Treatment for School-Aged Children With Residual /r/ Errors. ASHA Convention, Orlando, FL.
7. Thijs Z, Knickerbocker K, **Watts CR** (2019, October). Treatment Outcomes in a Private Practice Community Voice Clinic. Fall Voice Conference, Dallas, TX.
8. Thijs Z, **Watts CR** (2019, May). Perceptual Assessment of Speech Production in Speakers with Parkinson's Disease. 48<sup>th</sup> Annual Symposium: Care of the Professional Voice. Philadelphia, PA.
9. **Watts CR**, Koehnke J. (2019, April). Problem Solving and Information Sharing for Department Chairs. Council of Academic Programs in COSD Annual Conference, San Diego, CA.
10. Dumican M, **Watts CR** (2019, February). Hyolaryngeal Musculature Activation in Response to a Respiratory Resistance Device. Dysphagia Research Society, San Diego, CA.
11. Panzone L., **Watts CR** (2018, November). Transglottal Airflow in Parkinson's Disease. ASHA Convention, Boston, MA.
12. **Watts CR**. (2018, October). Two Treatments for Muscle Tension Dysphonia: A Randomized Controlled Trial. Fall Voice Conference, Seattle, WA.
13. **Watts CR**. (2018, June). Acoustic Characterization of Speech Intonation in Parkinson's Disease. 29<sup>th</sup> Congress of Union of The European Phoniaticians, Helsinki, Finland.

14. **Watts CR.** (2018, April). Information and Problem Solving for Department Chairs. Invited presentation. Council of Academic Programs in Communication Sciences & Disorders Annual Conference, Austin, TX.
15. **Watts CR.** (March, 2018). Instrumental Assessment of Voice and Swallowing. Invited presentation to speech-therapists at Sidra Hospital and Hamad Hospital in Doha, Qatar.
16. Knickerbocker K, **Watts CR.** (2017, November). Characteristics of a Treatment-Seeking Population In A Private Practice Community Voice Clinic: An Epidemiological Study. ASHA Convention, Los Angeles, CA.
17. **Watts CR,** Weeks SM (2017, September). Factors Influencing the Sustainability of an Interprofessional Education Program. European Interprofessional Education & Practice Conference, Lausanne, Switzerland.
18. **Watts CR** (2017, August). Acoustic & Aerodynamic Profiles of Parkinson's Disease: The Influence of Patient-Specific Factors. Pan-European Voice Conference, Ghent, Belgium.
19. **Watts CR** (2017, August). Stretch-and-Flow Voice Therapy for Muscle Tension Dysphonia: Treatment Outcomes From Two Clinical Trials. Pan-European Voice Conference, Ghent, Belgium.
20. **Watts CR,** Vanryckeghem MV (2017, August). The Effect of Work Status on Affective, Behavioral, and Cognitive Reactions in Speakers with Spasmodic Dysphonia. Pan-European Voice Conference, Ghent, Belgium.
21. **Watts CR,** Awan SN, Maryn Y (2016, November). Measuring Cepstral Peak Prominence Using PRAAT & ADSV: Research Evidence & a Demonstration. ASHA Convention, Philadelphia, PA.
22. McMullan P, **Watts CR** (2016, November). A Comparison of Acoustic & Aerodynamic Measurements of Laryngeal Function Using Low-Cost & High-Cost Systems. ASHA Convention, Philadelphia, PA.
23. Joshi A, **Watts CR** (2016, November). Measurement Reliability for Phonation Quotient Across Three Aerodynamic Instruments. ASHA Convention, Philadelphia, PA.
24. Matthews M, Vanryckeghem M, **Watts CR** (2016, November). Behavior Assessment Battery-Voice-Revised: Comparative Investigation of Adults With & Without Spasmodic Dysphonia. ASHA Convention, Philadelphia, PA.
25. **Watts CR,** Awan SN, Maryn Y (2016, October). Cepstral Peak Prominence of Dysphonic Voices Measured from ADSV and Praat: A Instrumental Comparison. Fall Voice Conference, Scottsdale, AZ.
26. Gaskill C, Awan SN, Awan J, **Watts CR** (2016, October). Acoustic and Perceptual Classification of Within-Sample Normal, Intermittently Dysphonic, and Continuously Dysphonic Voice Types. Fall Voice Conference, Scottsdale, AZ.

27. **Watts CR**, Corbin-Lewis K. (2016, April). Problem Solving for Department Chairs. Council of Graduate Programs in Communication Sciences & Disorders Annual Conference, San Antonio, TX.
28. **Watts, CR**. (2015, November). Acquisition of aerodynamic measurements using the Phonatory Aerodynamic System (Pentax Medical invited lecture). ASHA Convention, Denver, CO.
29. Gaskill C, **Watts CR**, Awan J, Awan S. (2015, November). Differentiating Normal, Consistently, & Intermittently Dysphonic Voices: Comparing Cepstral Peak Prominence Variation With Perceptual Assessment. ASHA Convention, Denver, CO.
30. Hughes T, **Watts CR**. (2015, November). Effects of Two Exercises on Hyolaryngeal Muscular Activity: Electrophysiological Evidence. ASHA Conference, Denver, CO.
31. Craig J, **Watts CR**, Awan S, Vess G, Maira C. (2015, November). Equipping Clinicians for Voice Therapy Research: Tools of the Trade. ASHA Conference, Denver, CO.
32. **Watts CR** (2015, October). Measurement reliability in aerodynamic and acoustic analyses of laryngeal function. Fall Voice Conference, Pittsburgh, PA.
33. **Watts CR**, Kelly B. (2014, November). : Effects of Bolus Consistency on Surface sEMG Measures of Submental Muscle Activation During Swallowing. ASHA Convention, Orlando, FL.
34. **Watts CR**, Diviney S, Childs L, Hamilton A, Toles L, Mau T. (2014, November). Effects of Stretch-&-Flow Voice Therapy on Vocal Function & Handicap: A Case Series. ASHA Convention, Orlando, FL.
35. **Watts CR**, Diviney S, Childs L, Hamilton A, Toles L, Mau T. (2014, October). Stretch and Flow Voice Therapy: A Randomized Controlled Trial. Fall Voice Conference, San Antonio, TX.
36. **Watts CR** (2014, April). Multimedia Educational Resource for Learning Online and Teaching – Update. Annual Conference of the Council of Academic Programs in Communication Sciences & Disorders. Orlando, FL.
37. **Watts CR**, Awan SN. (2013, November). Effects of Sample Duration on Cepstral Measures of Continuous Speech in Speakers with Dysphonia. ASHA Convention, Chicago, IL.
38. Awan SN, Bressman T, Poburka B, Roy N, Sharp H, **Watts CR**. (2013, November). Dialectal Effects on Nasalance: A Multicenter, Cross-Continental Study. ASHA Convention, Chicago, IL.
39. **Watts CR** (2013, October). Voice Therapy for Dysphonia Secondary to Persistent Lesions: Two Case Studies. The Fall Voice Conference, Atlanta, GA.
40. **Watts CR** (2013, August). Hyolaryngeal Muscle Activation During Two Rehabilitative Dysphagia Exercises. 29<sup>th</sup> World Congress of the International Association of Logopedics & Phoniatrics. Turin, Italy.

41. **Watts CR**, Becknal R. (2012, November). Nasalance in Male & Female Texas Speakers of Southern American. *ASHA Convention*, Atlanta, GA.
42. **Watts CR**, Awan, SN. (2012, October). Effects of Syllabic Content and Intonation on Cepstral/Spectral Measures. *The Fall Voice Conference*. New York, NY.
43. **Watts CR**, Rousseau, B. (2012, October). Vocal fold elastin in transgenic and knockout mouse models. *The Fall Voice Conference*. New York, NY.
44. Lanza J, **Watts CR**, Flahive L (2012, June). Effectiveness of Phonological Awareness Therapy with Preschoolers. *International Child Phonology Conference*, Minneapolis, MN.
45. **Watts CR** (2011, November). Characteristics of Vocal Fold Elastin in a Transgenic Mouse Model. *ASHA Convention*, San Diego, CA.
46. Lanza J, **Watts CR**, Flahive L (2011, November). Teaching Kindergarten Children with Communication Disorders to Answer Questions. *ASHA Convention*, San Diego, CA.
47. **Watts CR** (2011, June). Vocal Fold Structure in a Transgenic Mouse Model. *40<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
48. **Watts CR**, Awan SN (2011, June). Automatic Spectral/Cepstral Analyses for Classifying Normal and Dysphonic Voice. *40<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
49. **Watts CR**. (2010, November). Evidence for the Elastin Gene (ELN) Affecting Vocal Fold Structure. *ASHA Convention*, Philadelphia, PA.
50. **Watts CR.**, Awan, Lambert (2010, November). Spectral/Cepstral Acoustic Measures Differentiate Hypofunctional From Normal Speakers. *ASHA Convention*, Philadelphia, PA.
51. Awan SN, Omlor K, **Watts CR**. (2010, November). Effect of Vowel Loading on Nasalance Scores. *ASHA Convention*, Philadelphia, PA.
52. Lanza J, Flahive L, **Watts CR**. (2010, November). Effective Concept Therapy With Kindergarten-Age Children With Communication Disorders. *ASHA Convention*, Philadelphia, PA.
53. Peterson J, **Watts CR**, Cooper B. (2010, November). Acoustic and temporal changes of ultrasonic vocalizations in aged Long Evans rats. *Neuroscience 2010 – Society for Neuroscience Annual Meeting*. San Diego, CA.
54. **Watts CR**. (2010, June). Heterozygous Abnormalities of the Elastin Gene (ELN) Effect Vocal Fold Structure. *39<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
55. **Watts CR**. (2009, November). Vocal Fold Elastic Fibers in a Mouse Model. *ASHA Convention*, New Orleans, LA.
56. Lanza J, Flahive L., **Watts CR** (2009, November). Effectiveness of Phonological Awareness Therapy with Preschoolers. *ASHA Convention*, New Orleans, LA.

57. Lanza J, Flahive L, **Watts CR**. (2009, July). Effectiveness of Phonological Awareness Therapy with Preschoolers. *ASHA Schools Conference 2009*. Kansas City, MO.
58. **Watts CR**, Marler, J. (2009, June). Characterization of Elastic Fibers in the Mouse Vocal Fold. *38<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
59. **Watts CR**, Marler, J, Awan, SN. (2008, October). The Elastin Gene, Elastic Fibers, and Vocal Fold Biomechanics: Evidence from Connective Tissue Disorders. *UCSF Voice Conference*. San Francisco, CA.
60. **Watts CR**., Rousseau, B. (2008, June). The Biochemistry of Slippery Elm (*Ulmus Rubra*) and Its Use as a Complimentary and Alternative Medicine. *37<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
61. **Watts CR**, Awan N, Marler J. (2007, November). Auditory-Perceptual Characterization of Voice Production in Connective Tissue Disorders. *ASHA Convention*, Boston, MA.
62. **Watts CR**, Awan N, Marler J. (2007, May). Vocal Characteristics of Individuals with Elastin Haploinsufficiency Secondary to Inherited Connective Tissue Disorders. *36<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
63. **Watts CR**, Marler J (2006, November). Dysphonia and Salient Voice Characteristics Secondary to Connective Tissue Disorders. *ASHA Convention*, Miami, FL.
64. **Watts CR**, O'Donoghue C, Marler J (2006, November). Motor Speech Profiles in Subtypes of Parkinson's Disease. *ASHA Convention*, Miami, FL.
65. O'Donoghue C, **Watts C**, Marler J (2006, November). Differential Cognitive-Linguistic Profiles in Subtypes of Parkinson's Disease. *ASHA Convention*, Miami, FL.
66. Hickey S, Moore R, Estis J, **Watts CR** (2006, November). Pitch-Matching and Pitch Discrimination to Vocal and Tonal Stimuli. *ASHA Convention*, Miami, FL.
67. **Watts CR**, O'Donoghue C, Marler J. (2006, June). The Clinical Relevance Of Tremor-Dominant and Akinetic-Rigid Dominant Subtypes of Parkison's Disease. *5th International Conference on Speech Motor Control*. Nijmegen, Netherlands.
68. O'Donoghue C, **Watts CR**, Marler J. (2006, June). Cognitive-linguistic and motor speech performances in tremor-dominant and akinetic rigid dominant subtypes of Parkinson's disease. *5th International Conference on Speech Motor Control*. Nijmegen, Netherlands.
69. Marler J, **Watts CR**. (2006, June). Speech encoding as reflected in phonological processing tasks in children with Williams syndrome. *5th International Conference on Speech Motor Control*. Nijmegen, Netherlands.
70. Marler J, **Watts CR** (2005, November). Phonetic & phonemic development in children with Williams syndrome. *ASHA Convention*, San Diego, CA..
71. Moore R, Estis J, Zhang F, **Watts CR**, Marble E (2005, November). Relationship of pitch matching, pitch discrimination, & otoacoustic emission suppression. *ASHA Convention*, San Diego.

72. Hall M, **Watts CR.**, Sommers M. (2005, November). Acoustic models of vocal deception: a critical evaluation. *4th Annual Auditory Perception, Cognition, and Action Meeting*, Toronto, Canada.
73. **Watts CR.** (2005, October). Vocal use patterns and risk factors in members of the clergy: preliminary data. *University of California – San Francisco Voice Conference*. San Francisco, CA.
74. **Watts CR**, Hall M (2005, June). The influence of timbre on pitch-matching accuracy. *34th Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
75. Archambeault N., Barnes-Burroughs K, LoVetri J., **Watts C.** (2005, June). Pedagogical Applications for Jazz and Classical Voices Revealed Through Voice Recognition Software. *34th Annual Symposium: Care of the Professional Voice*. Philadelphia, PA
76. **Watts CR**, Nye C, Whurr R. (2004, November). Randomized control trials utilizing botulinum toxin for spasmodic dysphonia. *ASHA Convention*, Philadelphia, PA.
77. Wilson K, **Watts CR.** (2004, November). Acoustic measures of swallowing during the use of compensatory techniques. *ASHA Convention*, Philadelphia, PA.
78. Keaton C, Moore R, **Watts CR.** (2004, November). Role of Pitch Memory in Pitch Matching and Pitch Discrimination *ASHA Convention*, Philadelphia, PA
79. **Watts CR**, Xu Y. (2004, June). Investigating the relationship between pitch-matching accuracy and maximum laryngeal neuromotor performance. *33rd Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
80. Barnes-Burroughs K, **Watts CR**, Brown O, LoVetri J. (2004, June). The visual/kinesthetic affects of melodic contour in musical notation as it affects vocal timbre in singers of classical and musical theatre repertoire. *33rd Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
81. Moore R, **Watts CR**, Zhang F. (2004, May). The role of timbre in pitch matching abilities and pitch discrimination abilities with complex tones. *Annual Meeting of the Acoustical Society of America*. New York, N.Y.
82. **Watts CR**, Moore R, McCaghren K, Carr M. (2003, November). Pitch discrimination and phonatory control in trained and untrained singers. *ASHA Convention*, Chicago, IL.
83. **Watts CR**, Barnes-Burroughs K, Moore R. (2003, June). The relationship between pitch discrimination and pitch-matching abilities in talented and non-talented singers. *Voice Foundation's 32nd Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
84. **Watts CR.** (2002, November). Pitch-matching abilities of talented and non-talented singers. *ASHA Convention*, Atlanta, GA.
85. **Watts CR.** (2002, September). Characteristics of vocal tract resonance and stability of fundamental frequency during spoken and sung vowels by untrained talented and non-talented singers. Paper accepted for presentation at the *3rd International Conference on Vocal Fold Physiology and Biomechanics*, Denver, CO.

86. **Watts** CR, Murphy J. (2002, June). The use of internal feedback for pitch-matching accuracy in trained and untrained singers. *Voice Foundation's 31<sup>st</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
87. **Watts** CR, Barnes-Burroughs K. (2002, June). Untrained singing talent: why some have it and some don't. *Voice Foundation's 31<sup>st</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
88. **Watts** CR. (2001, June). Acoustic and Perceptual Measures of the Natural Singing Voice. *Voice Foundation's 30<sup>th</sup> Annual Symposium: Care of the Professional Voice*. Philadelphia, PA.
89. **Watts** CR. (2000, November). Phonatory Improvement After Treatment with Corticosteroids: A Case Report. *ASHA Convention, Washington D.C.*
90. Rousseau B, **Watts** CR. (2000, November). Baseline Intelligibility and Susceptibility to Delayed Auditory Feedback in Parkinson's Disease. *ASHA Convention, Washington D.C.*
91. Rousseau B, **Watts** CR. (2000, November). Effects of Delayed Auditory Feedback on Speech Rate and Intelligibility in High versus Low Intelligible speakers with Parkinson's Disease. *ASHA Convention, Washington D.C.*
92. Rousseau B, **Watts** CR, Ryalls J, Louko L. (2000, August). Responses to Delayed Auditory Feedback in Subgroups of Speakers with Parkinson's Disease. *VIIITH meeting of the International Phonetics and Linguistics Association, Edinburgh, Scotland.*
93. **Watts** CR (2000, February). Laryngeal Dysfunction as the Primary Clinical Symptom in a Case of Multiple System Atrophy. *Tenth Biennial Conference on Motor Speech, San Antonio, TX.*
94. **Watts** CR, Dagenais P, Rousseau B. (1999, November). Speech Timing in Subgroups of Speakers with Parkinson's Disease. *ASHA, San Francisco.*
95. **Watts** CR, Dagenais P. (1998, November). Subgroup Differences in Parkinson's Disease: Evidence From Rate Reduction. *ASHA, San Antonio*
96. **Watts** CR, Dagenais P. (1997, November). Speech Rate Reduction in Parkinson's Disease Using Three Different Methods. *ASHA, Boston, MA.*
97. Boutsen F, **Watts** CR. (1997, November). Syllabic Jitter and Shimmer in Stutterers' and Non-Stutterers' Metronomic Speech. *ASHA, Boston, MA*
98. Dagenais P, Garcia J, **Watts** CR. (1996, February). Acceptability and Intelligibility of Mildly Dysarthric Speech by Different Listeners. *VIIIth Biannual Conference on Motor Speech, Amelia Island, FL.*
99. Cannito M, Burch A, **Watts** CR, Rappold P, Hood S, Sherrard K. (1995, November). Disfluency in Spasmodic Dysphonia: A Multivariate Analysis. *ASHA, Orlando, FL.*
100. Dagenais, P, Southwood M, & **Watts** CR. (1995, November). Dual task testing for speech production to assess attentional capacities. *ASHA, Orlando, FL.*



### **Regional / Local Presentations**

1. Augsburger G, Soloveva A, **Watts CR**, King A, Castleberry T, Car J (2021). An Examination of Rapid Force and EMG Rise in the Morning Versus the Evening. Texas Chapter of the Associate Of Colleges of Sports Medicine Annual meeting. Virtual
2. **Watts CR** (2019, March). The Voice of Parkinson's Disease. Parkinsonology Symposium, Fort Worth, TX.
3. **Watts CR** (2018, October). Swallowing Impairments in Parkinson's Disease. Parkinsonology Symposium, Fort Worth, TX.
4. **Watts CR**, Awan SN (2017, July). Acoustic & Aerodynamic Instrumentation: Application to Clinical Practice. Presentation at UCSF Voice Center, San Francisco, CA.
5. **Watts CR**. (2015, March). Incorporating Laryngeal Function Studies Into Clinical Practice: Here's How. Annual Conference of the Texas Speech-Language-Hearing Association. San Antonio, TX.
6. **Watts CR**. (2014, June). Evidence-Based Approaches to Voice Evaluation and Treatment. The Clinical Voice Workshop. Fort Worth, TX.
7. **Watts CR**. (2014, January). Videostroboscopy Knowledge and Skills. Invited workshop presented to the Speech-Language Pathology staff of John Peter Smith Hospital. Fort Worth, TX.
8. **Watts CR** (2012, February). The Clinical Application of Spectral/Cepstral Measures for Evaluation of Vocal Function. University of Texas Southwestern Otolaryngology Monthly Resident Education Conference. Dallas, TX.
9. **Watts CR** (2011, April). Clinical Acoustic Measures for Measuring and Identifying Voice Disorders. Invited online continuing education presentation for *SpeechPathology.com*.
10. **Watts CR** (2009, July). Voice Science Research. *Shenandoah University Commercial and Contemporary Music Institute*. Winchester, VA.
11. **Watts, CR**. (2008, February). Vocal Fold Elastin. JMU Dept. of Communication Sciences & Disorders – *Research Seminar Series*. Harrisonburg, VA.
12. **Watts, CR.**, Marler, J. (2007, September). Auditory-Perceptual Characterization of Voice Production in Connective Tissue Disorders. *5<sup>th</sup> Annual CISAT Faculty Research Day*. James Madison University, Harrisonburg, VA
13. **Watts CR**. (2007, September). Parkinson's Disease and it's Effects on Speech and Swallowing. Invited presentation to the *Bridgewater Parkinson's Support Group*. Bridgewater, VA.
14. **Watts CR**. (2007, August). Laryngeal Videostroboscopy and Voice Disorders. Invited presentation to the *Department of Otolaryngology at the University of Virginia*, Charlottesville, VA.

15. **Watts** CR. (2007, June). Physiology and Mechanics of the Vocal Fold. *31<sup>st</sup> Annual Fitz-Hugh Symposium*. University of Virginia Medical School, Charlottesville, VA.
16. **Watts** CR. (2007, April). Management of Hyperfunctional Voice Disorders. Invited presentation to the Louisiana State University Health Sciences Center, New Orleans, LA.
17. **Watts** CR. (2007, March). Treatment Options for Speech and Swallowing in Parkinson's Disease. *Fourth Annual Parkinson's Disease Symposium*. Front Royal, VA.
18. **Watts** CR, Hall M. (2005, October). Timbral Influences on Vocal Pitch-Matching Accuracy. *3<sup>rd</sup> Annual CISAT Faculty Research Day*. James Madison University, Harrisonburg, VA.
19. Hall M, **Watts** CR. (2005, September). *Multi-Dimensional Model of Vocal Deception*. *IIIA Research Progress Review Meeting*. James Madison University, Harrisonburg, VA.
20. **Watts** CR. (2005, July). Management of Hyperfunctional Voice Disorders. Invited presentation to the *University of Virginia Program in Communication Disorders*.
21. Hall M, **Watts** CR. (2005, May). A Multi-Dimensional Model of Vocal Deception. *3<sup>rd</sup> Annual Institute for Infrastructure and Information Assurance Research Symposium*. Harrisonburg, VA.
22. **Watts** CR. (2005, March). Steroids and Voice Treatment: A Love-Hate Relationship. *Speech and Hearing Association of Virginia Annual Conference*. Charlottesville, VA.
23. **Watts** CR. (2004, October). Clinical Update in Voice Management. *Innovations in Clinical Communication Sciences Conference*. James Madison University, Harrisonburg, VA.
24. **Watts** CR. (2004, October). Systematic Review of Botulinum Toxin for Spasmodic Dysphonia. *2<sup>nd</sup> Annual CISAT Faculty Research Day*. James Madison University, Harrisonburg, VA.
25. **Watts** CR. (2004, July). Contemporary approaches to the management of hyperfunctional voice disorders. *Invited presentation for Voran Therapy, Inc.*. Mobile, AL
26. Titze I, **Watts** CR. (2004, April). Myoelastic-aerodynamic theory of phonation: demonstration with videostroboscopy. *4<sup>th</sup> Annual USA Voice Symposium*. Mobile, AL.
27. **Watts** CR. (2003, April). Spectral Measures of Spoken and Sung Vowels in Untrained Talented and Non-Talented Singers. *2003 University of South Alabama Research Council Forum*. Mobile, AL.
28. **Watts** CR. (2003, March). Medical and Behavioral Management of Organic Voice Disorders. *Speech and Hearing Association of Alabama 2003 Convention*. Mobile, AL.
29. **Watts** CR. (2003, February). Diagnosis and Treatment of Organic Voice Disorders. *Invited presentation for Voran Therapy, Inc.*. Mobile, AL.
30. **Watts** CR. (2002, December). Voice Disorders: Treatments for Children and Adults. *Invited presentation to Bay Area Speech and Hearing Association*. Mobile, AL.

31. **Watts** CR, Lovetri J. (2002, April). The Science of Singing: Physiological and Acoustic Differences in Healthy and Non-healthy Habits. *2<sup>nd</sup> Annual USA Voice Symposium*. University of South Alabama, Mobile, AL.
32. **Watts** CR, Lovetri, J. (2002, April). Visualization of the Vocal Folds During Different Types of Singing: The Benefits of Videostroboscopy. *2<sup>nd</sup> Annual USA Voice Symposium*. University of South Alabama, Mobile, AL.
33. **Watts** CR. (2001, April). Instrumentation in the Diagnosis of Voice Problems. *1<sup>st</sup> Annual USA Voice Symposium*. University of South Alabama, Mobile, AL.
34. Brown O, **Watts**, CR. (2001, April). Vocal Function & Dysfunction. *1<sup>st</sup> Annual USA Voice Symposium*. University of South Alabama, Mobile, AL.
35. Rousseau B, **Watts**, CR. (2000, September). Speech Timing in Parkinson's Disease. *Professional Seminar Lecture Series*, University of Wisconsin, Madison, WI.
36. **Watts** CR, Bless D, Lundy D. (2000, May). Voice Disorders Grand Rounds. *Annual Convention of the Florida Speech and Hearing Association (FLASHA)*, Orlando, FL.

### **Other Scholarly Activities**

**Editor** – Multimedia Educational Resource for Learning Online and Teaching (MERLOT) – COSD (2013-2015)

**Editorial Review Board** – Evidence-based Practice Briefs

**Editorial Review Board** - Evidence-based Communication Assessment and Intervention.

**Editorial Review Board** – Asia Pacific Journal of Speech, Language, and Hearing

**Reviewer** – Journal of Speech-Language-Hearing Research

**Reviewer** – American Journal of Speech-Language Pathology

**Reviewer** - Laryngoscope

**Reviewer** – Logopedics, Phoniatrics, Vocology

**Reviewer** - Dysphagia

**Reviewer** – Journal of Communication Disorders

**Reviewer** – Clinical Linguistics & Phonetics

**Reviewer** - Clinical Interventions in Aging

**Reviewer** – Annals of Otolaryngology, Rhinology, Laryngology

**Reviewer** – The Cleft Palate-Craniofacial Journal

**Reviewer** – Speech, Language and Hearing

**Book Reviewer** – Delmar Learning publishers.

**Book Reviewer** – Journal of Medical Speech-Language Pathology

**Book Reviewer** – Prentice Hall publishers

## **TEACHING AND ADVISING**

### **Classroom Teaching**

#### ***Texas Christian University***

HCHS 10003 Survey of Allied Health Sciences  
COSD 70323 Research in Communication Sciences & Disorders  
COSD 60413 Communication Neuroscience 1  
COSD 60424 Communication Neuroscience 2  
COSD 60433 Communication Neuroscience 3  
COSD 60393 CICSD – Professional Issues  
COSD 60313 Motor Speech Disorders  
COSD 70343 Dysphagia  
COSD 60300 Clinical Practicum  
COSD 60303 Orofacial/AAC  
COSD 50383 Voice Disorders  
COSD 40003 Senior Honors Seminar  
COSD 30333 Language Development  
COSD 30003 Junior Honors Seminar  
COSD 20363 Evidence-Based Practice  
COSD 20303 Speech & Hearing Science  
COSD 10303 Survey of Communication Sciences & Disorders

#### ***James Madison University***

CSD 861 Laryngeal Neurology  
CSD 604 Neurology of Speech and Language  
CSD 656 Voice Disorders  
CSD 605 Physiological and Acoustic Phonetics  
CSD 560 Motor Speech Disorders  
CSD 500 Research Methods  
CSD 310 Biostatistics

#### ***University of South Alabama***

SPA 551 Voice and Resonance Disorders  
SPA 568 Dysphagia  
SPA 589 Speech Pathology for the Audiologist  
CSD 694 Advanced Vocal Function  
CSD 694 Pediatric Dysphagia  
SPA 490 Special Topics  
SPA 451 Introduction to Voice Disorders  
SPA 291 Introduction to Communication Disorders

## ***University of Central Florida***

SPA 5236 Motor Speech Disorders / Dysphagia

SPA 6410 Adult Language Disorders

SPA 6211 Voice Disorders

SPA 6526 Seminar in Cleft Palate

SPA 3101 Physiological Bases of Speech & Hearing

### **Doctoral Dissertation Direction**

Chair – **Thijs, Zoë**: **The Effect of a Second Language on Vocal Function and Vocal Quality of Life** (2021). Texas Christian University

Chair – **Dumican, Matt**: **Differences in Laryngeal Kinematics During Swallowing in Parkinson's Disease** (2021). Texas Christian University

Committee: Peterson, Jennifer: **Sexually Dimorphic Acoustic Features of Ultrasonic Vocalizations and the Effects of Age and Experience on Call Productions in Long Evans Rats** (2013). Texas Christian University.

Committee: Estis, Julie: **Disambiguation of Novel Words in Children with Specific Language Impairment** (2004). University of South Alabama

Committee: Ogburn Yeager, Amy: **Processing of Semantic and Environmental Stimuli in Aphasia** (2003). University of South Alabama

Committee: Smith, M.: **Differentiating Perceptual and Acoustic Errors in Apraxia of Speech** (2002). University of South Alabama

Committee: Fredericks, G. **Semantic Priming in Aphasia** (2002). University of South Alabama

Committee: Wilson, A: **Auditory and Visual Redirection for Topic Maintenance for Persons with Dementia of the Alzheimer's Type** (2001). University of South Alabama

### **Doctoral Advisory Committees**

Committee – Peterson, Jennifer: 2011 - 2012. Texas Christian University.

Chair: **Hegy, Sara**: 2007 – 2008 James Madison University

Committee: **Bratland, Christina**: 2006 – 2008 James Madison University

Committee: **Roy, Jessica**: 2007 – 2008 James Madison University

Committee: **Powell, Marsha**: 2007 – 2008 James Madison University

Chair: **Auerbach, Amanda**: 2006 – 2007 James Madison University

### **Masters Thesis Direction**

Committee – Augsberger, Garrett. **An Examination of Neuromuscular Function in the Morning versus the Evening in Males and Females** (2020 – present). Texas Christian University.

Chair – Kim, Julie. **The Effects of Bolus Volume on Hyolaryngeal Muscle Activity in Parkinson's disease** (2018). Texas Christian University

Chair – Murtaugh, Maeve. **The effect of perceived speech severity on prosodic disturbance in speakers with Parkinson’s disease** (2018). Texas Christian University

Chair – DeOliveria, Enio. **F2 Transition and Intelligibility in Speakers with Parkinson’s Disease.** (2017). Texas Christian University

Chair – Burke, Brittany. **Acoustic and Aerodynamic Profiles of Speakers with Parkinson’s Disease.** (2017). Texas Christian University

Chair – McMullen, Paige: **Acoustic and Aerodynamic Measurement of Vocal Function Using Low Cost Systems.** (2016). Texas Christian University

Chair – Hughes, Teresa: **The Effects of Two Rehabilitation Exercises on Activity of Submental Hyolaryngeal Muscular Activity.** (2015). Texas Christian University.

Chair – Becknal, Rebecca: **Normative Nasalance Patterns in Male and Female Speakers of Texas South Dialect** (2012). Texas Christian University.

Chair – Lambert, Emily: **A Comparison of Sustained Vowel and Connected Speech Production in Hypofunctional and Normal Voices** (2010). Texas Christian University.

Chair – George, Candice: **The Effect of Filtering on Auditory-Perceptual Ratings of Severity in Hypofunctional and Normal Voices** (2010). Texas Christian University.

Committee – Peterson, Jennifer: **Laryngeal aging and the acoustic and temporal changes of the ultrasonic vocalizations in aged rats** (2010). Texas Christian University.

Chair - Kutac, Sara: **Acoustic Measures of Phonatory Function in Individuals with Williams Syndrome** (2009). Texas Christian University.

Chair – Albrecht, Sara: **A Comparison of Auditory-Perceptual Features of Voice Quality in Individuals With and Without Williams Syndrome** (2009). Texas Christian University.

Committee - Roache, Jennifer: **Visual and Auditory perception of Innuendo** (2007). James Madison University.

Committee - Keaton, C. **Role of Pitch Memory in Pitch Matching and Pitch Discrimination** (2004). University of South Alabama

Committee - Durden, S. **Materials Selection Effects On Measuring Lexical Diversity Using Number Of Different Words** (2004). University of South Alabama

Committee - Wilson, K.: **Defining and Differentiating Ideational Apraxia Through a Consensus of Professionals in the Neurogenic Field** (2003). University of South Alabama

Chair - Murphy, J.: **Use of Internal Feedback for Pitch Matching in Subjects with Natural and Non-natural singing voices** (2002). University of South Alabama

Committee - Bice, A: **Resource Allocation and Auditory Processing Abilities of Normal Children** (2002). University of South Alabama

Chair – Rousseau, B.: **Responses to Delayed Auditory Feedback in Subgroups of Speakers with Parkinson’s Disease** (2000). University of Central Florida

Chair – McCrae, C.: **Objective Measures of Phonatory Improvement with Administration of Corticosteroids** (2000). University of Central Florida

Chair – Walters, C.: **Effects of Linguistic Experience on Perceptions of Nasality in Cleft Palate Speech** (2000). University of Central Florida

Committee – McNabb, J.: **Effect of Aging on Voice Onset Time in Normal Females** (2000). University of Central Florida

### **Undergraduate Honors Thesis Direction**

Chair: Hart, Rachel. **Speech rate and syllabic stress in mild vs. moderate Parkinson's disease.** (2019). Texas Christian University

Chair: Dickson, Emily. **The effect of vocal loading on activity of the extrinsic laryngeal muscles.** (2018). Texas Christian University

Chair: Panzone, Laura. **The effect of Parkinson's disease on transglottal airflow in vowels and connected speech** (2018). Texas Christian University

Chair: Brenk, Jennifer. **The effect of Parkinson's disease on connected speech prosody** (2018). Texas Christian University.

Chair: Ryan, Elle: **Developmental Effects on Cepstral/Spectral Measures of Phonation in Children** (2015). Texas Christian University

Chair: Post, Danielle: **The Effect of Bolus Consistency and Age on Measurements of Hyolaryngeal Muscular Activity During Swallowing.** (2014). Texas Christian University

Chair: Kelly, Blaire: **The Effect of Gender and Bolus Type on Measurements of Hyolaryngeal Muscular Activity** (2014). Texas Christian University.

Chair: Saenz, Daniella: **Acoustic Indices of Vocal Fold Aging in Middle-Age Males** (2014). Texas Christian University.

Chair: Larson, Linnea: **Methods for Targeting Vocabulary Development in Second Language Learners: A Systematic Review** (2014). Texas Christian University.

Chair: Ronshaugen, Rachelle: **Acoustic Indices of Ageing in Late Middle Age and Older Adult Males** (2013). Texas Christian University.

Committee: Gliesing, Julie: **Sign Language Acquisition and Clinician Proximity in Young Children Diagnosed with Autism and Down Syndrome** (2008). James Madison University

Committee: Pulaski, Sarah: **Acoustic Cues to Deception in Human Speech: Addressing Potential Confounds of Stress** (2007). James Madison University.

Committee: Harmon, Jill: **A Comparison of U.S. and Maltese Rehabilitation Therapists' Perceptions of Their Respective Approaches to the Rehabilitation of Stroke Victims** (2005). James Madison University.

Committee: Channel, Allison: **The Influence of Compression, Predictability, and Signal-to-Noise Ratio on Speech Intelligibility** (2005). James Madison University.

Committee: Dean, Ashli: **Speech-Language Pathologists and Dysphagia in the Schools** (2005). James Madison University

## **ADMINISTRATIVE EXPERIENCE / COMMITTEES / SERVICE**

### **National/State**

2016 – Present	President, North Texas Chapter of the Voice Foundation
2019	ASHA Convention Program Committee - Academic and Models of Clinical Education
2017 – 2019	ASHA Special Interest Group 3: Voice & Voice Disorders, Specialty Certification Working Group.
2018	National Institutes of Health - Special Emphasis Panel/Scientific Review Group: Larynx and Voice Disorders.
2017	National Institutes of Health - Special Emphasis Panel/Scientific Review Group: Larynx and Voice Disorders.
2017 – 2018	Institute for Patient Safety – University of North Texas Health Science Center. Summit Planning Committee.
2015	National Institutes of Health - Motor Function, Speech and Rehabilitation Study Section (MFSR).
2014-2016	ASHA Student to Empowered Professional (S.T.E.P.) Mentor
2014-2016	ASHA Clinicians and Researchers Collaborating (CLARC) Member
2014-2016	ASHA Mentoring Academic-Research Careers (MARC) Mentor
2013-2017	ASHA Council on Academic Accreditation – Site Visitor
2000-present	ASHA journal reviewer: JSLHR & AJSLP
2014	ASHA Convention Program Committee – Voice, Resonance and Alaryngeal
2013	ASHA Convention Program Committee – Voice, Resonance and Alaryngeal
2011-2012	Texas Speech & Hearing Foundation Research Committee
2008	ASHA Convention Program Committee – Motor Speech Disorders
2004	ASHA Convention Program Committee – Voice & Voice Disorders
2002	ASHA Pathways to Success Mentoring Program – Mentor

### **Texas Christian University**

2019 – present	TCU Administrative Council
2019 – present	Provost's Council
2020 – 2021	Search Committee, Dean of the College of Science & Engineering
2019 – 2020	Search Committee, Dean of the College of Education
2019 – 2020	TCU Instructional Space Task Force
2014 – 2019	Director – Davies School of Communication Sciences & Disorders
2008 – 2019	Program Director – Graduate Program in Speech-Language Pathology
2016 – 2019	Harris College of Nursing & Health Sciences: Administrative Council



2008 - 2019 Harris College of Nursing & Health Sciences: Deans' Advisory Council  
 2017 – 2018 Center for International Studies Advisory Committee  
 2017-2018 University Strategic Planning - Strengthen Endowment Committee  
 2015 – 2018 Assistant Dean for Strategic Planning, Harris College  
 2010 – 2018 University Institutional Animal Care & Use Committee  
 2010 – 2016 University Compensation and Advisory Committee  
 2015 Harris College Faculty Representative – TCU Annual Faculty/Staff Campaign.  
 2013-2015 Wassenich Award for Mentoring Selection Committee  
 2008 - 2014 Department Chair – Communication Sciences & Disorders  
 2014 Chair – Wassenich Award for Mentoring Selection Committee  
 2008- 2011 Director, Miller Speech & Hearing Clinic

**James Madison University**

2005-2008 College of Information Sciences & Technology: Dean's Advisory Group  
 2004-2006 College of Information Sciences & Technology: Technical Advisory Group  
 2004-2008 Dept. of Communication Sciences & Disorders: Undergraduate Advisor  
 2004-2008 Dept. of Communication Sciences & Disorders: Coordinator – Research Seminar Series  
 2004-2008 Dept. of Communication Sciences & Disorders: Clinical Advisory Council  
 2005-2007 Faculty Marshal – JMU Spring Commencement

**University of South Alabama**

2004 Faculty Senate: Senator for College of Allied Health Professions  
 2004 College of Allied Health Professions – Dean's Advisory Council  
 2004 Co-organizer: 4<sup>th</sup> Annual USA Voice Symposium (Speaker: Ingo Titze)  
 2003 Co-organizer: 3<sup>rd</sup> Annual USA Voice Symposium (Speaker: Thomas Cleveland)  
 2002-2005 Faculty Marshall  
 2002-2004 Departmental Graduate Coordinator for Speech-Language Pathology  
 2002-2004 College of Allied Health Professions – ALCOA Scholarship Committee  
 2002 Co-organizer: 2<sup>nd</sup> Annual USA Voice Symposium (Speaker: Jeanette Lovetri)  
 2001-2004 Clinical Supervisor  
 2001-2004 Departmental Academic & Admissions Committee  
 2001-2004 Departmental Capital Expenditures Committee  
 2001-2003 Departmental Academic Grievance Committee  
 2001-2004 Departmental Faircloth Scholarship Committee  
 2001-2004 Departmental Webmaster  
 2001 Co-organizer: 1<sup>st</sup> Annual USA Voice Symposium (Speaker: Oren Brown)  
 2000-2001 Departmental Budget & Expense Committee

## **University of Central Florida**

1998 – 2000 Clinical Supervisor

1998 – 2000 Advisor, UCF Chapter of the National Student Speech-Language-Hearing Association

1998 – 2000 College of Health & Public Affairs - Academic Affairs Committee

1998 – 2000 Departmental Curriculum Committee

1998 – 2000 Departmental Library Representative

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### **HONORS and AWARDS**

2017 Award for Distinguished Achievement as a Creative Teacher and Scholar – Harris College of Nursing & Health Sciences

2015 Fellow of the American Speech-Language-Hearing Association

2015 Award for Distinguished Achievement as a Creative Teacher and Scholar – Harris College of Nursing & Health Sciences

2014 Deans' Research & Creativity Award – Texas Christian University.

2012 Wassenich Award for Mentoring – Texas Christian University

<http://www.wassenich.tcu.edu/>

2011-2012 Coleman Faculty Entrepreneurship Fellow – TCU Entrepreneurship Center

[http://www.neeley.tcu.edu/Centers/Neeley\\_Entrepreneurship\\_Center/Welcome.aspx](http://www.neeley.tcu.edu/Centers/Neeley_Entrepreneurship_Center/Welcome.aspx)

<http://www.colemanfellows.com/>

2018 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2017 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2015 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2014 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2013 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2011 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2010-2011 Coleman Faculty Fellow – TCU Neeley Entrepreneurship Center

2008 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

2003 ASHA 1<sup>st</sup> Award for Continuing Education (ACE)

1998 Outstanding Doctoral Student – USA Dept. of Speech Pathology & Audiology

Phi Kappa Phi National Honor Society – Honorary lifetime member

Sigma Chi National Allied Health Honor Society

Alpha Chi National Honor Society