

MICHELLE S. TROCHE, PhD

WORK ADDRESS

Program in Communication Sciences and Disorders

Department of Biobehavioral Sciences

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PROFESSIONAL POSITIONS

Program Director Department of Biobehavioral Sciences, Teachers College, Columbia University	Sept 2020 - present
Associate Professor Department of Biobehavioral Sciences, Teachers College, Columbia University	Sept 2018 - present
Assistant Professor Department of Biobehavioral Sciences, Teachers College, Columbia University	Jan 2015 – Aug 2018
Adjunct Assistant Professor Department of Neurology, Columbia University Medical Center	February 2016-present
Adjunct Assistant Professor Department of Otolaryngology, Columbia University Medical Center	August 2017-present
Adjunct Assistant Professor Department of Speech, Language, and Hearing Sciences, University of Florida	Jan 2015-Dec 2016
Assistant Professor Department of Speech, Language, and Hearing Sciences, University of Florida	June 2013 – Dec 2014
Research Assistant Professor Department of Speech, Language, and Hearing Sciences, University of Florida	Jan 2011 – June 2013
Visiting Scholar University of Sao Paulo – Bauru, Brazil	January 2013

Clinical Assistant Professor Department of Speech, Language, and Hearing Sciences	2010
Clinical Speech-Language Pathologist Department of Communicative Disorders, University of Florida	2008-2010
Research Speech-Language Pathologist Brain Rehabilitation Research Center, Gainesville, FL	2006-2011
Pre-Doctoral Fellow Malcom Randall Veterans Affairs Medical Center, Gainesville, FL	2006-2009
Clinical Fellow (Supervisor: John C. Rosenbek) Department of Communicative Disorders, University of Florida, Gainesville, FL	2006-2008

EDUCATION

Ph.D., Communication Sciences and Disorders University of Florida, Gainesville, FL	Aug 2006-Dec 2009
M.A., Speech-Language Pathology University of Florida, Gainesville, FL	Aug 2004-May 2006
B.A., Communication Sciences and Disorders, Linguistics (Majors) Teaching English as a Second Language (TESL), Gerontology (Minors)	Aug 2000-May 2004

HONORS AND AWARDS

2020	First Place Platform Presentation (Mentor/Co-author) – Dysphagia Research Society Annual Meeting
2018	First Place Platform Presentation (Mentor/Co-author) – Dysphagia Research Society Annual Meeting
2018	Second Place Platform Presentation (Co-author) – Dysphagia Research Society Annual Meeting
2017	Outstanding alumni for the College of Public Health and Health Professions, University of Florida
2017	Third Place Poster (co-author) Presentation – Dysphagia Research Society Annual Meeting
2016	Third Place Poster and Platform (Mentor) Presentations - Dysphagia Research Society Annual Meeting
2015	Second Place Oral Platform Presentation - Dysphagia Research Society Annual Meeting
2014	First (Mentor) and Third Place Poster Presentation - Dysphagia Research Society Annual Meeting
2013	Meritorious Poster Award – American Speech, Language and Hearing Association National Convention
2012	Teacher of the Year – College of Public Health and Health Professions, Univ of FL
2012	Deans Citation Paper Award - College of Public Health and Health Professions, Univ of FL
2010	First Place Oral Presentation: New Investigator Forum - Dysphagia Research Society Annual Meeting
2010	Minority Travel Award – Int. Neural Systems Underlying Vital Aerodigestive Functions Conference
2009	Movement Disorders Society New Investigator Travel Grant
2009	First Place Platform Presentation –Dysphagia Research Society Annual Meeting (March 2009)
2008	New Century Scholars Doctoral Scholarship – American Speech Language Hearing Foundation
2008	O. Ruth McQuown Scholarship Supplementary Award Recipient
2008	NIDCD Student Fellowship: Clinical Aphasiology.
2007	College of Liberal Arts and Science Travel Scholarship
2007	Grinter Fellowship-University of Florida

- 2006 College of Liberal Arts and Science Travel Scholarship
- 2006 Grinter Fellowship-University of Florida
- 2006 American Speech Language Hearing Research Travel Award
- 2005 American Speech Language Hearing As. Foundation Minority Graduate Student Scholarship (\$4000)
- 2005 American Speech Language Hearing As. Minority Leadership Program
- 2004 Phi Beta Kappa

PROFESSIONAL LICENSURE AND ACADEMIC MEMBERSHIP

Speech-Language Pathologist, Florida State Licensure (SA9354), New York State Licensure (024602)

American Speech-Language-Hearing Association (ASHA, CCC-SLP), Member

Dysphagia Research Society, Member

Mentorship and Development Committee, Chair; May 2020 to present

Early Investigator Subcommittee, Chair; 2016 to May 2020

Program Planning Committee, Member; DRS Meeting 2017

Abstract Committee, Member; DRS Meeting 2011

Abstract Committee, Member and Judge, DRS Meeting 2020

International Society for the Advancement of Respiratory Psychophysiology, Member

Past-President; Term: Summer 2020 - Present

President; Term: October 2018 – Summer 2020

President-elect; Term: October 2017-September 2018

Secretary/Treasurer; Term: October 2015 to September 2017

Academy of Neurologic Communication Disorders and Sciences

Dysarthria Writing Committee, Member; 2016 to present

Conference on Motor Speech

Program Committee, Member; 2020

ASHA Special Interest Group 2: Neurophysiology and Neurogenic Speech and Language Disorders

ASHA Special Interest Group 3: Voice and Voice Disorders

ASHA Special Interest Group 13: Swallowing and Swallowing Disorders (Dysphagia)

GRANTS

ACTIVE - FUNDED

National Ataxia Foundation

Investigating the Effects of Dual Tasking on Cough Reflex Sensitivity in Spinocerebellar Ataxia

The objective of this application, a necessary step in pursuit of our long-term goal, is to better define deficits of cough in SCA and describe the influence of cortical load on reflexive cough outcomes.

Role: Mentor

Amount: \$50,000 (Total costs)

American Speech-Language-Hearing Foundation

Investigating the Role of Attentional Resource Allocation on Cough Reflex Sensitivity in Parkinson's Disease

The objective of this application is to understand the effect of cognitive demands on the reflexive cough response in both healthy older adults (HOA) and people with PD.

Role: Mentor

Amount: \$10,000 (Total costs)

Michael J Fox Foundation

Novel Management of Airway Protection in Parkinson's disease: A clinical trial

The overarching aim of the proposed study is to determine the efficacy of two novel, distinct, and intensive rehabilitation paradigms, expiratory muscle strength training (EMST) and sensorimotor treatment for airway protection (smTAP), on airway protective clinical outcomes in persons with PD and dysphagia. We anticipate our results will lead to reductions in the risks associated with airway protective deficits in PD.

Role: Principal Investigator (PI)

Amount: \$914,443 (Total costs)

CurePSP Foundation

Developing treatments for swallowing and communication deficits in PSP

The objective of this application is to better define airway protective deficits and communicative dysfunction in PSP and to test the feasibility of multiple treatment targets on airway protection and communication in PSP. The information to be gleaned from this study has the potential to substantially shift the approach to management of airway protective and communication disorders in PSP by identifying therapeutic targets and potential behavioral biomarkers.

Role: Co-Principal Investigator

Amount: \$100,000

Columbia University Medical Center – Interdisciplinary Research Initiatives Seed (IRIS) Fund Program

Neurological control of the swallow reflex

The goal of the research is to identify the somatosensory neuron classes present in the swallow apparatus (e.g. mechano-, chemosensory) of humans and rodents, testing whether these neurons are necessary for a normal swallow, and analyzing whether these are altered in aged humans with dysphagia and animal models.

Role: Investigator

Amount: \$100,000

COMPLETED

National Institutes of Health, National Institute on Deafness and Other Communication Disorders - R21

Airway protection deficits according to stimulus type in Parkinson's disease

The objective of this study was to test the efficacy of a novel screening device to detect airway protective deficits in a large cohort of people with Parkinson's disease.

Role: PI for Teachers College, Columbia University; Sub-Investigator

PI: Karen Hegland, University of Florida

Clinical and Translational Science Institute – NIH KL2 Award

NIH (NCATS) CTSA awards to the University of Florida UL1TR000064 and KL2TR000065

Airway protective mechanisms and Deep Brain Stimulation Surgery in Parkinson's disease

The overarching aim of the proposed study was to prospectively study the effects of unilateral subthalamic nucleus (STN) vs. globus pallidus interna (GPI) deep brain stimulation (DBS) surgery in Parkinson's disease on swallowing and cough function. This aim was achieved by testing the swallowing and cough function of 40 consecutive patients with PD receiving DBS surgery.

Role: KL2 Fellow/Principal Investigator

Amount: 75% salary over three years

Teachers College, Columbia University - Provost Investment Fund 2015

Clinical-Research Neurorehabilitation Center at Teachers College, Columbia University

This application proposes the creation of the Clinical-Research Neurorehabilitation Center (CRNC) at Teachers College, Columbia University. The applicants of this proposal, both licensed speech-language pathologists (SLPs) and experienced clinical researchers in adult neurogenic populations, are uniquely qualified to oversee the creation and growth of a center focused on neurorehabilitation within the context of an academic model.

Role: Co-Principal Investigator

Amount: \$20,000 (Total costs)

Teachers College, Columbia University - Provost Investment Fund 2016

Clinical Research Initiative in Rehabilitation for Neurodegenerative Diseases

This application proposes an initiative aimed at strengthening clinical research for rehabilitation in neurodegenerative disease at Teachers College. The funding will be used to enhance the collaboration between the Neurorehabilitation Research Laboratory and the Upper Airway Dysfunction Laboratory (both housed in the Department of Biobehavioral Sciences) and the Movement Disorders Division at Columbia University Medical Center. The goal is to promote access to critical patient populations which will enhance and facilitate the clinical research agenda in rehabilitation for neurodegenerative diseases at Teachers College and Columbia University.

Role: Co-Principal Investigator

Amount: \$20,000 (Total costs)

Northern Health Foundation – Victoria, Australia

Using Expiratory Muscle Strength Training (EMST) for dysphagia in PD in the community setting

The primary objective of this study is to assess whether an intensive home program of EMST can improve swallowing safety for individuals with Parkinson's disease in the community setting.

Role: Primary Mentor

PI: Marinda Brooks

Parkinson's Study Group

Effects of Singing on Speech and Swallow in Patients with Parkinson's Disease

The aim of this pilot study was to test the effects of group singing on functional speech and swallowing outcomes in persons with PD.

Role: Sub-Investigator; PI: Elizabeth Stegemoller, PhD

PUBLICATIONS

*denotes a student or trainee co-author

REFEREED PUBLICATIONS

1. *Borders, J.C., Brandimore, A.E., & **Troche, M.S.** (In press). Variability of Voluntary Cough Airflow in Healthy Adults and Parkinson's Disease. *Dysphagia*.
2. *Curtis, J.A., *Seikaly, Z., & **Troche, M.S.** (2020). Respiratory-Swallow Coordination Training (RSCT) Improves Swallowing Safety and Efficiency in a Person with Anoxic Brain Injury. *AJSLP*, 5, 1-11.

3. *Enver, N., *Borders, J.C., *Curtis, J.A., *Sevitz, J.S., Vanegas-Arroyave, N., & **Troche, M.S.** (2020). The Role of Vocal Fold Bowing on Cough and Swallowing Dysfunction in Progressive Supranuclear Palsy. *Laryngoscope*, July 20 (E-pub ahead)
4. *Curtis, J.C., *Seikaly, Z., *Dakin, A.E., & **Troche, M.S.** (2020). Detection of Aspiration, Penetration, and Pharyngeal Residue During the Flexible Endoscopic Evaluation of Swallowing (FEES): Comparing the Effects of Color, Coating, and Opacity. *Dysphagia*, May 11 (E-pub ahead).
5. Yang, C-Y, Lai, R-Y, Amokrane, N., Lin, C-Y, Figueroa, K.P., Pulst, S.M., ...**Troche, M.S.**, Kuo, S-H. (2020). Dysphagia in Spinocerebellar Ataxias type 1, 2, 3 and 6. *Journal of the Neurological Sciences*, Aug 15, 415.
6. *Curtis, J.A., & **Troche, M.S.** (2020) Handheld Cough Testing (HCT): A clinically feasible method for reflex and voluntary cough assessment and dysphagia screening. *Dysphagia*, Feb 24 (E-pub ahead).
7. *Curtis, J.A., *Dakin, A., & **Troche, M.S.** (2020) Respiratory-Swallow Coordination Training and Voluntary Cough Skill Training in a Person with Parkinson's Disease: A Single-Subject Treatment Study. *Journal of Speech, Language, and Hearing Research*, 63, 472-486.
8. *Curtis, J.A., Molfenter, S.A., & **Troche, M.S.** (2019). Pharyngeal volumetric changes in Parkinson's disease and its influence on swallowing safety, efficiency, and kinematics. *Dysphagia*, 35, 389-398
9. *Curtis, J.A., & **Troche, M.S.** (2019). Effects of verbal cueing on respiratory-swallow coordination in Parkinson's disease. *Dysphagia*, 35, 460-470.
10. *Perry, S.E. & **Troche, M.S.** (2019). Dual tasking influences cough sensorimotor outcomes in healthy young adults. *Journal of Speech, Language and Hearing Research*, 62, 3596-3606.
11. *Yiu, Y., *Curtis, J.A., *Perry, S.E., & **Troche, M.S.** (2019). Relationship of Vocal Fold Atrophy to Swallowing Safety and Cough Function in Parkinson's Disease. *The Laryngoscope*, 130, 303-308.
12. Hegland, K.W., *Brandimore, A.E., & **Troche, M.S.** (2019). Relationship between respiratory sensory perception, speech, and swallow in Parkinson's disease. *Movement Disorders Clinical Practice*, 6, 243-249.
13. *Curtis, J.A., Molfenter, S., & **Troche, M.S.** (2019). Predictors of Residue and Airway Invasion in Parkinson's Disease. *Dysphagia*, 35, 220-230.
14. *Curtis, J., Perry, S., & **Troche, M.S.** (2019). Detection of Airway Invasion during Flexible Endoscopic Evaluations of Swallowing comparing barium, blue dye, and green dye. *American Journal of Speech Language Pathology*, 28, 515-520.

15. *Curtis, J.A., Langenstein, J., **Troche, M.S.**, Laus, J., & Schneider, S. (2019). Open Mouth-Maximal Isometric Press (OM-MIP): Development and norms for clinical swallowing evaluations and treatment. *American Journal of Speech Language Pathology*, *28*, 148-154.
16. *Mishra, A., Malandraki, G.A., Sheppard, J.J., Gordon, A., Levy, E. & **Troche, M.S.** (2019). Voluntary cough and clinical swallow function in children with spastic cerebral palsy and health controls. *Dysphagia*, *34*, 145-154.
17. *Perry, S.E., *Sevitz, J., *Curtis, J.C., Kuo, Sheng-Han, & **Troche, M.S.** (2018). Skill-Training Resulted in Improved Swallowing in a Person with Multiple System Atrophy: An Endoscopy Study. *Movement Disorders Clinical Practice*, *15*, 451-452.
18. Sheppard, J.J., Malandraki, G.A., Pifer, P., Cuff, J., **Troche, M.S.**, Hemsley, B., Balandin, S., *Mishra A., & Hochman, R. (2017). Validation of the choking risk assessment and pneumonia risk assessment for adults with intellectual and developmental disability (IDD). *Research in Developmental Disabilities*, *69*, 61-76.
19. *Rajappa, A.T., Soriano, K.R., Ziemer, C., **Troche, M.S.**, Bauer Malandraki, J., & Malandraki, G.A. (2017). Reduced Maximum Pitch Elevation Predicts Silent Aspiration of Small Liquid Volumes in Stroke Patients. *Frontiers in Neurology*, *8*, 436.
20. *Brandimore, A.E., Hegland, K.W., Okun, M.S., Davenport, P.W., & **Troche, M.S.** (2017). Voluntary up-regulation of reflex cough is possible in healthy older adults and Parkinson's disease. *Journal of Applied Physiology*, July 1, 19-26.
21. **Troche, M.S.** & *Mishra, A. (2017). Swallowing exercises in patients with neurodegenerative disease: what is the current evidence? *Perspectives on Swallowing and Swallowing Disorders*, *2* (March 2017), 13-20.
*Invited contribution.
22. **Troche, M.S.**, *Schumann, B., *Brandimore, A.E., Okun, M.S., Davenport, P.W., & Hegland, K.W. (2016). Reflex Cough and Disease Duration as Predictors of Swallowing Dysfunction in Parkinson's disease. *Dysphagia*, *31*, 757-764.
23. **Troche, M.S.**, *Brandimore, A.E., Hegland, K.W., Zeilman, P.R., Foote, K.F., & Okun, M.S. Tailored deep brain stimulation optimization for improved airway protective outcomes in Parkinson's Disease. (2016). *Interdisciplinary Neurosurgery: Advanced Techniques and Case Management*, *5*, 3-5.
24. Higuchi, M.A., Martinez-Ramirez, D., Morita, H., Topiol, D.D., Bowers, D., Ward, H., Warren, L.R., DeFranco, M.M., *Hicks, J., Hegland, K.W. **Troche, M.S.**, Kulkas, Hastings, E., Foote, K.F., & Okun, M.S. (2016). Interdisciplinary Parkinson's Disease Deep Brain Stimulation Screening and the Relationship to Unintended Hospitalizations and Quality of Life. *Plos One*, *9*, 11.

25. Laciuga, H., Brandimore, A.E., **Troche, M.S.**, & Hegland, K.W. (2016). The Analysis of Clinicians' Perceptual Cough Evaluation. *Dysphagia*, 31, 521-530.
26. Hegland, K.W., Davenport, P.W., Singletary, F., *Brandimore, A.E., & **Troche, M.S.** (2016). Rehabilitation of swallowing and cough functions following stroke: an expiratory muscle strength training trial. *Archives of Physical Medicine*, 97, 1345-1351.
27. Higuchi, M.A., Topiol, D.D., Ahmed, B., Morita, H., Carbutaru, S., Hess, C.W., Bowers, D., Ward, H.E., Warren, L.R., DeFranco, M.M., Kulkarni, S.J., **Troche, M.S.**, Hastings, E., Foote, K.F., Okun, M.S., & Martinez-Ramirez, D. (2015). Impact of an interdisciplinary deep brain stimulation screening model on post-surgical complications in essential tremor patients. *Plos One*, Dec28, 10.
28. Hegland, K.W., **Troche, M.S.**, *Brandimore, A.E., Okun, M.S., & Davenport, P.W. (2016). Comparison of two methods for inducing reflex cough in patients with Parkinson's disease, with and without dysphagia. *Dysphagia*, 31, 66-73.
29. *Brandimore, A.E., **Troche, M.S.**, Huber, J., & Hegland, K.W. (2015). Respiratory Kinematic and airflow differences between reflex and voluntary cough in healthy young adults. *Frontiers in Respiratory Physiology*, 6, 284.
30. Akbar, U., Dham, B., He, Y., Hack, N., Wu, S., **Troche, M.S.**, Tighe, P., Nelson, E., Friedman, J.H., & Okun, M.S. (2015). Incidence and mortality trends of aspiration pneumonia in Parkinson's disease in the United States from 1979 to 2010. *Parkinsonism and Related Disorders*, 21, 1082-1086.
31. **Troche, M.S.** (2015). Respiratory Muscle Strength Training for the Management of Airway Protective Deficits. *Perspectives on Swallowing and Swallowing Disorders*, 24, 58-64. *Invited contribution
32. **Troche, M.S.**, *Brandimore, A.E., *Godoy, J., & Hegland, K.W. (2014). A framework for understanding shared substrates of airway protection. *Journal of Applied Oral Science*, 22, 251-260.
33. **Troche, M.S.**, *Brandimore, A.E., Okun, M.S., Davenport, P.W., & Hegland, K.W. (2014). Decreased cough sensitivity and aspiration in Parkinson disease. *Chest*, 146, 1294-9.
34. Hegland, K.W., **Troche, M.S.**, *Brandimore, A.E., Davenport, P.W., & Okun, M.S. (2014). Comparison of voluntary and reflex cough effectiveness in Parkinson's disease. *Parkinsonism and Related Disorders*, 20, 1226-1230.
35. **Troche, M.S.**, *Brandimore, A.E., Foote, K.F., Morishita, T., Chen, D., Hegland, K.W., & Okun, M.S. (2014). Swallowing Outcomes following Unilateral STN vs. GPi Surgery: A retrospective analysis. *Dysphagia*, March 29, 425-431.

36. **Troche, M.S.**, Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. (2014). Detraining outcomes with Expiratory Muscle Strength Training in Parkinson's disease. *Journal of Rehabilitation Research and Development*, 51(2), 305-310.
37. **Troche, M.S.**, Okun, M.S., Rosenbek, J.C., Altmann, L.P.J., & Sapienza, C.M. (2014). Attentional resource allocation and swallowing safety in Parkinson's disease: A dual task study. *Parkinsonism and Related Disorders*, 20, 439-443.
38. Hegland, K.W., Okun, M.S., & **Troche, M.S.** (2014). Sequential voluntary cough and aspiration or aspiration risk in Parkinson's disease. *Lung*, 192, 601-608.
39. **Troche, M.S.**, *Brandimore, A.E., Foote, K.D., & Okun, M.S. (2013). Swallowing and deep brain stimulation in Parkinson's disease: a systematic review. *Parkinsonism and Related Disorders*, 19, 783-788.
40. Hegland, K.W., **Troche, M.S.**, & Davenport, P.W. (2013). Cough expired volume and airflow rates during sequential induced cough. *Frontiers in Respiratory Physiology*, 4, 167.
41. Rodriguez, C.S., Rowe, M., Koepfel, B., Thomas, L., **Troche, M.S.**, & Paguio, G. (2012). Development of a communication intervention to assist hospitalized suddenly speechless patients. *Technology in Health Care*, 20, 489-500.
42. Troche, J., **Troche, M.S.**, Berkowitz, R., Grossman, M., & Reilly, J. (2012). Tone discrimination as a window into acoustic perceptual deficits in Parkinson's Disease. *American Journal of Speech-Language Pathology*, Aug 21 (3), 258-263.
43. Rodriguez, C.S., **Troche, M.S.**, & *Johnson, A.E. (2012). Communication Needs of Hispanic Patients: Sudden Speechlessness Simulation. *The Open Communication Journal*, 6, 8-16.
44. **Troche, M.S.**, & Altmann, L.A. (2012). Sentence Production in Parkinson Disease: Effects of Conceptual and Task Complexity. *Applied Psycholinguistics*, 33, 225-251.
45. Altmann, L.A. & **Troche, M.S.** (2011). High-level language production in Parkinson's disease: a review. *Parkinson's Disease*, Aug 5.
46. Sapienza, C.S., **Troche, M.S.**, Pitts, T.E., & Davenport, P. (2011). Respiratory Strength Training: Concept and Intervention Outcomes. *Seminars in Speech-Language Pathology*, 32, 21-30.
47. **Troche, M.S.**, Okun, M.S., Rosenbek, J.C., Musson, N., Fernandez, H.H., Rodriguez, R., Romrell, J., Pitts, T., Wheeler-Hegland, K.M. & Sapienza, C.M. (2010). Aspiration and Swallowing in Parkinson Disease and Rehabilitation with EMST: A randomized trial. *Neurology*, 75, 1912-1919.
48. **Troche, M.S.**, Huebner, I., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. (2010). Respiratory-Swallowing Coordination and Swallowing Safety in Patients with Parkinson's Disease. *Dysphagia*, 26, 218-224.

49. **Troche, M.S.**, & Fernandez, H.H. (2010). Sialorrhea and Parkinson's disease: Novel Treatment Approaches. *Nature Reviews Neurology*, *6*, 423-424.
50. Pitts, T., **Troche, M.S.**, Carnaby-Mann, G., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. (2010). Using voluntary cough to detect penetration and aspiration during swallowing in patients with Parkinson disease. *Chest*, *138*, 1426-1431.
51. McGrath-Morrow, S., Gower, W.A., Rothblum-Oviatt, C., Brody, A.S., Langston, L.L., Lefton-Greif, M.A., Crawford, T.O., **Troche, M.S.**, Sandlund, J.T., Auwater, P.G., Easley, B.E., Loughlin, G.M., Carroll, J.L., & Lederman, H.M. (2010). Evaluation and management of pulmonary disease in ataxia-telangiectasia. *Pediatric pulmonology*, *45*, 847-859.
52. Pitts, T., Bolser, D., Rosenbek, J.C., **Troche, M.S.**, Okun, M.S., & Sapienza, C.M. (2009). Impact of Expiratory Muscle Strength Training on Voluntary Cough and Swallow Function in Parkinson disease. *Chest*, *135*, 1301-1308.
53. **Troche, M.S.**, Sapienza, C.M., & Rosenbek, J.C. (2008) Effects of bolus consistency on timing and safety of swallow in patients with Parkinson's disease. *Dysphagia*, *23*, 26-32.
54. Pitts, T.E., Bolser, D., Rosenbek, J., **Troche, M.**, Sapienza, C.M. (2008). Voluntary Cough Production and Swallow Dysfunction in Parkinson's disease. *Dysphagia*, *23*, 297-301.

Publications under Peer-Review

1. *Perry, S.E., *Borders, J.C., *Dakin, A.E., & **Troche, M.S.** (Under review). Characterizing Quality of Life in Caregivers of People with Parkinson's Disease and Dysphagia. *Dysphagia*.
2. *Curtis, J.C., *Dakin, A.E., & **Troche, M.S.** (Under review). Effects of Bolus Holding on Respiratory-Swallow Coordination in Parkinson's Disease. *Dysphagia*.
3. *Dakin, A.E., *Curtis, J.A., *Perry, S.E., Kuo,S-H., & **Troche, M.S.** (Under review). Expiratory Muscle Strength and Cerebellar Ataxia: A case series. *AJSLP*.
4. *Curtis, J.A., Laus, J., Schneider, S.L., & **Troche, M.S.** (Under review). Examining the Relationships Between Lingual Strength, Perihyoid Strength, and Swallowing Kinematics in Dysphagic Adults. *Dysphagia*.
5. *Borders, J.C., *Curtis, J.A., *Sevitz, J.S., Vanegas-Aroyave, N., & Troche, M.S. Immediate Effects of Sensorimotor Training in Airway Protection (smTAP) on Cough Outcomes in Progressive Supranuclear Palsy. *Dysphagia*

Publications in Preparation

1. *Rajappa, A.T., Huber, J.E., *Sung, K., & **Troche, M.S.** Use of SpeechVive via Mobile Telehealth Service Delivery Model to Treat Hypophonia in Parkinson' Disease: A Pilot Study. *Parkinsonism and Related Disorders*.

2. *Meisler, J.S., *Perry, S.E., *Curtis, J.A., & **Troche, M.S.** The influence of lingual strength on swallowing function in Parkinson's disease. *Dysphagia*.
3. *Seikaly, Z., *Curtis, J.A., *Yiu, Y., & **Troche, M.S.** Breath holding and swallowing function in Parkinson's disease. *Laryngoscope*.

NON-REFEREED PUBLICATIONS

1. Troche, M.S. (invited). Considering cough dysfunction in the management of patients with dysphagia. *Dysphagiacafe.com*, Spring 2015.
2. Troche, M.S. (invited). Expiratory Muscle Strength Training for the Treatment of Persons with Voice Disorders. *Voice Foundation Newsletter*, Spring 2009.
3. Troche, M.S. & Sapienza, C.M. (invited). The Use of Expiratory Muscle Strength Training in Parkinson's Disease. *Parkinson Report invited contribution*, Fall 2007.
4. Troche, M.S. & Sapienza, C.M. (invited). Expiratory muscle strength training for Parkinson's disease. *PADREC invited contribution*. Published Summer 2007, Volume 5, Issue 2.
5. Sapienza, C.M., & Troche, M. (invited) Take 2 swallows and call me in the morning. *SID 13 invited contribution*. *ASHA*, May, 2007.
6. Troche, M. & Sapienza, C. (in press). Effects of levodopa on speech timing in patients with idiopathic Parkinson's disease. www.speechpathology.com. *Undergraduate thesis

INVITED BOOKS AND BOOK CHAPTERS

*denotes a student or trainee co-author

1. **Troche, M.S.** *Neuroleptic Malignant Syndrome* in *Dysphagia in Rare Conditions: An Encyclopedia* edited by J.C. Rosenbek & H. Jones. Plural Publishing, Inc: 2009.
2. Sapienza, C.M., & **Troche, M.S.** *Respiratory Muscle Strength Training: Theory and Practice* published by Plural Publishing, Inc: 2011.
3. Rosenbek, J.C. & **Troche, M.S.** *Abnormal Deglutition and Related Disorders: Oral/Pharyngeal Phase Dysphagia: Progressive Neurologic Disease and Dysphagia* in *Manual of Diagnostic and Therapeutic Techniques for Disorders of Deglutition* edited by Greg Postma, Peter Belafsky, Caryn Easterling, and Reza Shaker. Springer Publishing: 2013.
4. **Troche, M.S.** & *Brandimore, A.E.. *Swallowing* in *Anatomy and Physiology for Speech and Hearing* edited by Bernard Rousseau and Ryan Branski. Thieme Publishers. *In press
5. **Troche, M.S.**, *Holden, A., & *Meisler, J. *Dystussia and Dysphagia in Parkinson's Disease* in *Speech*

PRESENTATIONS

*denotes a student or trainee co-author

INVITED PRESENTATIONS

1. Troche, M.S. Management of Cough Dysfunction in Patients with Dysphagia. Invited presentation: Hard to Swallow: A Catalyst for Change in Dysphagia Management. October 2020: Virtual Conference.
2. Troche, M.S. Role of the Speech-Language Pathologist in the Care of People with Multiple System Atrophy. Invited presentation: MSA Coalition Patient and Family Conference. October 2020: Virtual Conference.
3. Troche, M.S., Sevitz, J.S. *, & Borders, J.C*. Evaluating Speech and Swallowing Disorders in Neurologic Populations via Telehealth during Covid-19. Invited presentation: University of Florida SLP Grand Rounds. September 2020: Webinar.
4. Troche, M.S. Developing Treatments for Swallowing and Communication Deficits in Progressive Supranuclear Palsy (PSP). Invited presentation: CurePSP Ask the Scientist. September 2020: Webinar.
5. Troche, M.S. Treatment Strategies to Optimize Functional Communication in Parkinson Disease. Invited presentation: International Parkinson and Movement Disorders Society Virtual Congress. September 2020: Virtual Conference.
6. Troche, M.S. Developing Treatments for Swallowing and Communication Deficits in Progressive Supranuclear Palsy (PSP). Invited presentation: Tau2020 Conference. February 2020: Washington DC, USA.
7. Troche, M.S. The Role of Respiratory Psychophysiology in the Management of Patients with Dysphagia. Invited presentation: International Society for the Advancement of Respiratory Psychophysiology. October 2019: Vevey, Switzerland.
8. Troche, M.S. Rehabilitation of Neurogenic Dysphagia: Adding Cough as a Therapeutic Target. Invited presentation: New York State Speech-Language-Hearing Association Annual Convention. May 2019: Albany, NY.
9. Troche, M.S. Management of Cough Dysfunction in Patients with Dysphagia. Invited presentation: 12th annual Otolaryngology Update. October 2018: NY, NY.
10. Troche, M.S., & Hegland, K.W. Advancements in Respiratory Psychophysiology: The SLP perspective. Invited presentation: Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
11. Troche, M.S. Seminar on Dysphagia in Persons with Movement Disorders. Invited two-day seminar. September 2018: Santiago, Chile.
12. Troche, M.S. Rehabilitation of Cough Dysfunction in Neurogenic Populations. Invited presentation: Columbia University Medical Center Department of Rehabilitation Medicine Grand Rounds. October 2018: NY, NY.
13. Troche, M.S. Cough Dysfunction in the Patient with Dysphagia: Recent Research and Clinical Implications. Invited presentation: Columbia University Medical Center Otolaryngology Grand Rounds. July 2018: NY, NY.
14. Troche, M.S. Respiratory Strength Training: What's the Evidence? Invited presentation: European Society for Swallowing Disorders Annual Pre-Congress. September 2018: Dublin, Ireland.
15. Troche, M.S. & Hegland, K.W. Respiratory Muscle Strength Training: Treatment Targets for Swallowing and Cough. Invited presentation at Charleston Swallowing Conference. June 2018: Chicago, IL.
16. Troche, M.S., & McGrattan. Cross-system as Direct Target for Intervention. Invited presentation at Charleston Swallowing Conference. June 2018: Chicago, IL.
17. Troche, M.S. Clinical Reasoning in a Patient with Neurologic Dysphagia. Invited presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.

18. Troche, M.S. Rehabilitation of Airway Protection: Adding Cough as a Therapeutic Target. Invited presentation: New York City Dysphagia Study Group. March 2018: New York, NY.
19. Troche, M.S. & Ciucci, M. Swallowing: Understanding the causes and solutions for Dysphagia. Invited presentation: American Congress of Rehabilitation Medicine Annual Meeting Hosts 'Let's Talk about Parkinson's: How Can Speech and Language Pathologists deliver the best care?' October 2017: Atlanta, GA.
20. Troche, M.S. & Huber, J. Speech: Success is in the therapy. Invited presentation: American Congress of Rehabilitation Medicine Annual Meeting Hosts 'Let's Talk about Parkinson's: How Can Speech and Language Pathologists deliver the best care?' October 2017: Atlanta, GA.
21. Troche, M.S. Respiratory muscle strength training for airway protection in Movement Disorders. Invited presentation: 21st International Congress of Parkinson's Disease and Movement Disorder, Special Interest Group Meeting. June 2017: Vancouver, British Columbia.
22. Troche, M.S. Speech and swallowing management in PD. Parkinson's Foundation educational seminar. June 2017: New York, NY.
23. Troche, M.S. Peripheral and Neural Substrates of Cough. Invited presentation: Annual Meeting of the International Dysphagia Research Society. March 2017: Portland, OR.
24. Troche, M.S. Managing Dysphagia and Related Issues: Primary Care. Invited presentation: CurePSP Family Conference. February 2016: New York, NY.
25. Troche, M.S., Langmore, S., & Lazarus, C. Efficacy of Adjunctive Modalities in Dysphagia Treatment. Invited presentation: American Speech Language Hearing Association Annual Convention. November 2015: Denver, CO.
26. Troche, M.S. Assessment and Management of Airway Protective Disorders in Neurodegenerative Disease. Invited presentation: Mid-South Conference on Communicative Disorders. February 2016: Memphis, TN.
27. Troche, M.S. Airway Protection and Rehabilitation in Parkinson's disease. Invited presentation: New York City Dysphagia Study Group. April 2015: New York, NY.
28. Troche, M.S. Communication and Airway Protection: What to expect, What can I do? Invited presentation: Cure PSP Family Conference. February 2015: Gainesville, FL.
29. Troche, M.S. Managing Motor Speech Disorders in Neurodegenerative Disease: Our Toolbox. Invited presentation: ASHA online conference on neurogenic degenerative diseases. September 2014.
30. Troche, M.S. Respiratory Muscle Strength Training (RMST): How to get started. Invited presentation: American Speech Language Hearing Association Annual Convention. November 2014: Orlando, FL.
31. Troche, M.S. Airway protection and PSP: Strategies to prevent aspiration. Invited presentation: PSP Symposium and Think Tank. April 2014: Gainesville, FL.
32. Troche, M.S. Managing Motor Speech Disorders in Neurodegenerative Disease: Our Toolbox. Invited presentation: ASHA online conference on neurogenic degenerative diseases. February/March 2014.
33. Troche, M.S. Treatment of Motor Speech Disorders. Invited presentation: XX Jornada de Fonoaudiologia Profa Giedre Berretin-Felix. August 2013: Sao Paulo, Brazil.
34. Troche, M.S. Dystussia for the SLP: Implications for Dysphagia Management. Invited presentation: ASHA 2013 Health Care and Business Institute. April 2013: Orlando, FL.
35. Troche, M.S. Swallowing and Respiration: Considerations for Assessment and Treatment. Invited presentation: ASHA 2013 Health Care and Business Institute. April 2013: Orlando, FL.
36. Troche, M.S. Airway protective disorders: mechanisms of dysfunction and rehabilitation. Invited presentation: University of South Florida PhD Seminar. November 2012: Tampa, FL.
37. Troche, M.S. Understanding and Identifying Motor Speech Disorders. Invited presentation: XIX Jornada de Fonoaudiologia Profa Katia Flores Genaro. August 2012: Sao Paulo, Brazil.
38. Troche, M.S., Lazarus, C., Burkhead, L., & Clarke, H. Exercise Principles: How much, how often, and how intense? Short course presented at American Speech Language Hearing Association Convention.

November 2011: San Diego, CA.

39. Troche, M.S. Voice Grand Rounds. Invited presentation: Florida Association of Speech-Language Pathologists Annual Convention. May 2010: Orlando, FL.
40. Sapienza, C.M., Pitts, T., & Troche, M.S. Expiratory Muscle Strength Training: The Concepts and Its Implementation. Invited presentation: Florida Association of Speech-Language Pathologists Annual Convention. May 2009: Marco Island, FL.
41. Troche, M.S., & Prine, E.K. From bench to bedside: Translational approach to oral motor dysfunction. Invited presentation: Florida Association of Speech-Language Pathologists Annual Convention. May 2009: Marco Island, FL.
42. Troche, M.S. & Sapienza, C.M. EMST for neurodegenerative disease: translations to Ataxia Telangectasia. Invited presentation: Conference on Ataxia Telangectasia. April 2009: Baltimore, MA.
43. Troche, M.S. & Sapienza, C.M. Effects of EMST on Swallow Function in PSP: Preliminary Results. Presented at CurePSP Symposium. November 2008: Washington D.C.

SUBMITTED/ACCEPTED PRESENTATIONS

1. Sevitz, J.S.* & Troche, M.S. Swallowing Rehabilitation in Neurodegenerative Disease: Can we succeed against a declining neurologic system? Oral presentation at SASLHA Virtual Conference 2020, November 2020.
2. Sevitz, J.S.* & Troche, M.S. The role of cough in dysphagia management. Poster presentation at SASLHA Virtual Conference 2020, November 2020.
3. Perry, S. E.* & Troche, M. S. (2020). Characterizing swallowing-related quality of life in people with Parkinson's disease and dysphagia. Poster of merit at the 10th Annual European Society of Swallowing Disorders Meeting (online).
4. Perry, S. E.* & Troche, M. S. (2020). The association between specific dysphagia symptoms and caregiver burden in people with Parkinson's disease. Accepted for poster presentation at the 10th Annual European Society of Swallowing Disorders Meeting (online).
5. Sevitz, J.S.* , Perry, S.E.* , Kuo, S.H., Dakin, A.E.* , Troche, M.S. Relationship between cough dysfunction and swallowing safety in cerebellar ataxia. Oral presentation. 10th Annual European Society of Swallowing Disorders (ESSD), Virtual Conference.
6. Borders, J. C.* & Troche, M. S. Voluntary cough variability and airway invasion in Parkinson's Disease. Poster presented at the European Society for Swallowing Disorders Conference, October 2020. Online.
7. Curtis, J.A.* , Troche, M.S. (2020). Characterizing Typical Sip Size in Parkinson's Disease and Examining its Relationships with Demographic Factors, Disease Outcomes, and Swallowing Conditions. Accepted for poster presentation at the 10th Annual European Society of Swallowing Disorders (ESSD), Virtual Conference.
8. Curtis, J.A.* , Borders, J.C.* , Perry, S.E.* , Dakin, A.E.* , Seikaly, Z.N.* , Troche, M.S. (2020). Visual Analysis of Swallowing Efficiency and Safety (VASES): A Standardized Rating Methodology for Measuring Pharyngeal Residue, Penetration, and Aspiration on FEES. Accepted for poster presentation at the 10th Annual European Society of Swallowing Disorders (ESSD), Virtual Conference.
9. Perry, S.* , Kuo, S-H., Troche, M.S. The effect of dual tasking on cough sensorimotor outcomes in people with spinocerebellar ataxias. Accepted for poster presentation at the National Ataxia Foundation 2020 Ataxia Investigators Meeting in Denver, CO.

10. Sevitz, J.*, Perry, S.*, Kuo, S-H., Dakin, A.*, Troche, M.S. Characterizing Cough and Swallowing Outcomes in Cerebellar Ataxia. Accepted for poster presentation at the National Ataxia Foundation 2020 Ataxia Investigators Meeting in Denver, CO.
11. Kiefer, B. *, Dakin, A. E. *, Sevitz, J. M. *, Troche, M. S., & Huber, J. (April, 2020). Efficacy of a home-based speech treatment paradigm, EMST and SpeechVive, for speakers with Parkinson's disease. Poster presentation at the Association for Clinical and Translational Science 2020 Conference, Washington DC.
12. Kiefer, B. *, Dakin, A. E. *, Sevitz, J. M. *, Troche, M. S., & Huber, J. (February, 2020). Efficacy of a home-based treatment paradigm, EMST and SpeechVive, to improve communication in Parkinson's Disease. Oral session at the 2020 Motor Speech Conference, Santa Barbara, CA.
13. Enver, N.*, Borders, J.C.*, Curtis, J.A.*, Sevitz, J.M.*, Vanegas, N., Troche, M.S. Vocal Fold Atrophy and its Relationship to Cough and Swallowing Function in Progressive Supranuclear Palsy. Submitted for presentation at COSM 2020, Atlanta, GA.
14. Dakin, A. E. *, Kiefer, B. *, Huber, J., Sevitz, J. M. *, & Troche, M. S. (March, 2020). Effects of Expiratory Muscle Strength Training and SpeechVive on Reflex Cough Function in Parkinson's Disease. Poster presentation at the 2020 Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
15. Curtis, J.A., Dakin, A.E., Seikaly, Z., Troche, M.S. Respiratory-Swallow Coordination in Parkinson's Disease: Comparing Held and Non-Held Swallows. Accepted for oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
16. Borders, J.A., Curtis, J.A., Sevitz, J.M., Seikaly, Z., Troche, M.S. Immediate Effects of Sensorimotor Training in Airway Protection (smTAP) on Cough Outcomes in Progressive Supranuclear Palsy. Accepted for oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
17. Perry, S.E., Sevitz, J.M., Seikaly, Z., Curtis, J.A., Troche, M.S. Sensorimotor Training in Airway Protection (smTAP) in People with Parkinson's Disease: Impact on Sensorimotor Cough Function. Accepted for oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
18. Curtis, J.A., Seikaly, Z., Dakin, A.E., Troche, M.S. Detection of Residue, Penetration, and Aspiration on FEES: Comparing the Effects of Color, Coating, and Opacity. Accepted for poster presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
19. Curtis, J.A., Laus, J., Schneider, S.L., Troche, M.S. Bulbar Strength and its Relationship to Swallowing Kinematics in Dysphagic Patients. Accepted for poster presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
20. Curtis, J.A., Troche, M. (2019). Respiratory Sensation and its Influence on Respiratory-Swallow Coordination in Parkinson's Disease. Oral presentation at the 2019 International Society for the Advancement of Respiratory Psychophysiology Meeting, Vevey, Switzerland.
21. Troche, M.S., Perry, S., Hutcheson, K., Plowman, E., Sapienza, C.S., Curtis, J.C., Dakin, A., & Seikaly, Z. Respiratory Muscle Strength Training: Grand Rounds (Seminar 2-hours). Accepted for presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
22. Noorani, M., Krasko, M., Perry, S., & Troche, M.S. Comparing performance of people with Parkinson's disease to norms on Clinical Swallowing screening tools (poster). Accepted for presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
23. Dakin, A., Curtis, J.C., Perry, S., & Troche, M.S. Expiratory Muscle Strength Training in Ataxia: A Case Series (Technical Research). Accepted for presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
24. Troche, M.S., Curtis, J.C., Perry, S.E., Hegland, K.W., & Fullerton, A. Dystussia Grand Rounds: Enhancing Dysphagia Management through Cough Screening, Assessment and Rehabilitation (Seminar 1-hour). Accepted for presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
25. *Silverio, K., *Curtis, J.C., & Troche, M.S. Resonance Tube Phonation Therapy in Parkinson's disease: a pilot study. Submitted for presentation at Voice Foundation. June 2019: Philadelphia, PA.

26. *Yiu Y, *Curtis JA, *Perry SE, & Troche MS. Relationship of vocal fold atrophy with swallowing safety and cough function in Parkinson's disease. Accepted as an abstract for oral presentation at COSM. March 2019: San Diego, CA.
27. *Yiu Y, *Curtis JA, *Perry SE, Troche MS. Severity of vocal fold atrophy is a predictor of swallowing safety in Parkinson's Disease. Accepted as an abstract for oral presentation at the 27th Annual Meeting of the Dysphagia Research Society; 2019 March 7-9; San Diego, CA.
28. *Curtis JA, Molfenter SM, Troche MS. Predictors of residue, penetration, and aspiration in Parkinson's Disease. Accepted as an abstract for oral presentation at the 27th Annual Meeting of the Dysphagia Research Society; 2019 March 7-9; San Diego, CA.
29. *Curtis JA, Molfenter SM, Troche MS. Pharyngeal volumetric changes in Parkinson's Disease and its impact on swallowing. Accepted as an abstract for oral presentation at the 27th Annual Meeting of the Dysphagia Research Society; 2019 March 7-9; San Diego, CA.
30. *Curtis JA, Troche MS. Effects of verbal cueing and bolus holding on respiratory swallow coordination in Parkinson's Disease. Accepted as an abstract for oral presentation at the 27th Annual Meeting of the Dysphagia Research Society; 2019 March 7-9; San Diego, CA.
31. *Curtis JA, *Sevitz JM, Perry SE, Vanegas N, *Daken A, Troche MS. Comparison of voluntary cough effectiveness between aspirators and non-aspirators in Progressive Supranuclear Palsy. Accepted as an abstract for oral presentation at the 27th Annual Meeting of the Dysphagia Research Society; 2019 March 7-9; San Diego, CA.
32. *Perry, S. E., *Sevitz, J. S., *Curtis, J. A., *Seikaly, Z. N., Troche, M. S. How does bulbar muscle strength and airway protection differ in Progressive supranuclear palsy and Parkinson's disease? Accepted as an abstract for platform presentation at the 2019 Dysphagia Research Society Meeting in San Diego, U.S.A.
33. *Perry, S. E., Troche, M. S. The effect of dual tasking on cough reflex sensitivity in people with Parkinson's disease. Accepted as an abstract for platform presentation at the 2019 Dysphagia Research Society Meeting in San Diego, U.S.A.
34. *Thomas, P., Burnip, E., Troche, M., Huckabee, M-L. (2018). *Prolonging Swallowing and Quality of Life in Motor Neurone Disease Through Skill Training – A Preliminary Study*. Presented at Biomouth 2018; Christchurch, New Zealand.
35. Troche, M.S., *Perry, S., *Curtis, J.A., *Sevitz, J. Hegland, K.W., & Kazanjian, M. Management of cough dysfunction in the patient with dysphagia: review of complex cases. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
36. Troche, M.S., *Perry, S.E., *Rajappa, A., *Curtis, J.A., *Sevitz, J., & *Thomas, P. Tools for guiding clinical decision-making in neurogenic dysphagia: Grand Rounds. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
37. *Curtis, J.A., Troche, M.S., Laus, J., Langenstein, J., & Schneider, S. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
38. Curtis, J.A., & Troche, M.S. Handheld assessment of cough airflow and sensation in Parkinson's disease. Accepted for presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
39. Rajappa, A., & Troche M.S. Identifying the best descriptor for cough sensation in healthy young adults. Accepted for presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
40. Perry, S. & Troche, M.S. Dual tasking influences cough sensorimotor outcomes in healthy young adults. Accepted for presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
41. *Perry, S., *Sevitz, J., *Curtis, J., & Troche, M.S. The influence of tongue strength on oral bolus preparation, swallowing efficiency, and airway invasion in Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.

42. *Perry, S. & Troche, M.S. Attentional resource allocation and cough reflex sensitivity in healthy young individuals. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
43. *Curtis, J., *Perry, S., & Troche, M.S. Determining the sensitive and reliability of Barium, Blue, and Green Colorants for the Assessment of Airway Invasion during Flexible Endoscopic Evaluations of Swallowing (FEES). Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
44. Hegland, K.W., *Brandimore, A.E., & Troche, M.S. Relationship between reflex cough and swallow timing in Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
45. *Rajappa, A.T., Troche, M.S., *Sung, K., & Huber, J.E. Use of SpeechVive via Mobile Telehealth Service Delivery Model to Treat Hypophonia in Parkinson's disease: A pilot study. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2017: Los Angeles, CA.
46. Sheppard, J.J., *Mishra, A., Troche, M.S., & Malandraki, G. Validating Risk Assessments for Determining Vulnerability for Choking and Pneumonia in Adults with Intellectual and Developmental Disability. Accepted for presentation at the Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine. September 2017: Montreal, Quebec, Canada.
47. *Rajappa, A.T., Soriano, K., Zeimer, C., Malandraki, J., Troche, M.S., & Malandraki, G.A. Reduced pitch elevation correlates with airway invasion in patients with neurogenic dysphagia. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2017: Portland, OR.
48. *Mishra, A., Malandraki, G., Sheppard, J., Gordon, A., Levy, E., & Troche M.S. Airway protective behaviors and feeding/swallowing function in children with cerebral palsy and controls. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2017: Portland, OR.
49. Sheppard, J.J., *Mishra, A., Troche, M.S., & Malandraki, G.A. Validation of the choking risk assessment and pneumonia risk assessment for adults with intellectual and developmental disability (IDD). Accepted for presentation at
50. *Sevitz, J., *Brandimore, A.E., *Koehler, G., *Sung, K., & Troche, M.S. Feasibility of Cough Screening in Neurogenic Populations. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
51. *Mishra, A., *Exarchakis, M., & Troche, M.S. Beyond Compensatory Strategies for the Treatment of Dysphagia and Dystussia in Children with Cerebral Palsy. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
52. *Brandimore, A.E., Hegland, K.W., *Holden, A., *Lica, K., *Deschenes, R.E., & Troche, M.S. Reflex cough sensitivity is reduced in people with Parkinson's disease compared to age-matched healthy controls. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
53. *Valenti, M., Troche, M.S., *Dornish, S., & Hegland, K.W. Oropharyngeal Swallowing in Parkinson's Disease: a Retrospective Comparison of Longitudinal Swallowing Function. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
54. *Dornish, S., Troche, M.S., & Hegland, K.W. Oropharyngeal Swallowing in the Parkinsonian Syndromes: a Retrospective Description & Comparison. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
55. *Laciuga, H., Troche, M.S., Chheda, N., Bolser, D., Sapienza, C.M., & Hegland, K.W. Voluntary Cough Airflow Dynamics and True Vocal Fold Kinematics in Reduced True Vocal Fold Mobility. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
56. Troche, M.S., *Brandimore, A.E., Hegland, K.W., Davenport, P.W., Foote, K.F., & Okun, M.S. Airway

protective mechanisms and deep brain stimulation in Parkinson's disease. Accepted for presentation at the 20th International Congress of Parkinson's disease and Movement Disorders. June 2016: Berlin, Germany.

57. Troche, M.S., *Brandimore, A.E., *Schumann, B., Okun, M.S., & Hegland, K.W. Clinical Predictors of Airway Protective Dysfunction in Parkinson's Disease. Accepted for presentation at the 20th International Congress of Parkinson's disease and Movement Disorders. June 2016: Berlin, Germany.
58. *Hazamy, A.A., Altmann, L.P.J., Bowers, D., Troche, M., & Cowles, W. Emotional Sentence Production in Parkinson's disease. Submitted for presentation at Cognitive Aging Conference. April 2016: Atlanta, GA.
59. Troche, M.S., *Brandimore, A.E., *Schumann, B., & Hegland, K.W. Clinical Predictors of Airway Protective Dysfunction in Parkinson's Disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.
60. *Brandimore, A.E., Hegland, K.W., & Troche, M.S. Volitional Up-Regulation of Reflex and Voluntary Cough in Healthy Older Adults and Parkinson's Disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.
61. Hegland, K.W., *Brandimore, A.E., & Troche, M.S. Airway sensation is blunted in adults with Parkinson's disease compared to age-matched older adults. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.
62. Troche, M.S., Hoffman-Ruddy, B., Gartner-Schmidt, J., Jones, H. & Sapienza, C.M. Grand Rounds: Respiratory Muscle Strength Training. Accepted for presentation at the American Speech Language Hearing Association Annual Convention. November 2015: Denver, CO.
63. Troche, M.S., Hegland, K.W., *Brandimore, A.E., & *Schumann, B. Urge-to-cough as a clinical predictor of dysphagia in Parkinson's disease. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
64. Hegland, K.W., Troche, M.S., & *Brandimore, A.E. Magnitude estimation of respiratory resistive loads in Parkinson's disease. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
65. *Brandimore, A.E., Troche, M.S., & Hegland, K.W. The influence of age on perception of the urge-to-cough in healthy older adults. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
66. Troche, M.S., *Brandimore, A.E., Hegland, K.W., Davenport, P.W., & Okun, M.S. Airway protective mechanisms and deep brain stimulation in Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
67. Hegland, K.W., Troche, M.S., Singletary, F.F., Khanna, A.Y., & Davenport, P.W. The effect of expiratory muscle strength training on cough and swallow function in stroke patients. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
68. *Brandimore, A.E., Troche, M.S., & Hegland, K.W. The influence of lung volume and urge-to-cough on reflex cough effectiveness. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
69. *Hazamy, A., Altmann, L.P.J., Troche, M.S., Cowles, W., & Bowers, D. Emotional sentence processing in persons with Parkinson's disease. Accepted for presentation at the International Neuropsychological Society Meeting. February 2015: Denver, CO.
70. Troche, M.S., Hegland, K.W., *Brandimore, A.E., Okun, M.S., & Davenport, P.W. Deep brain stimulation surgery and airway protection in Parkinson's disease. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New Brunswick, NJ.
71. Hegland, K.W., Troche, M.S., Singletary, F., & Davenport, P.W. The effect of expiratory muscle strength training (EMST) on urge-to-cough in stroke patients. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New

Brunswick, NJ.

72. *Brandimore, A.E., Troche, M.S., Davenport, P.W., & Hegland, K.W. Respiratory kinematics of reflex and voluntary cough in healthy adults. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New Brunswick, NJ.
73. Troche, M.S., Rosenbek, J.C., Hegland, K.W., *Brandimore, A.E., & *Parham, K.W. The management of communication deficits in the complex movement disorder patient. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
74. Hegland, K.W., Troche, M.S., & Plowman, E. Dysphagia and other airway protection deficits in neurologic disease: best practices in the evaluation and management of complex patients. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
75. *Brandimore, A.E., Troche, M.S., Huber J. & Hegland, K.W. Respiratory kinematics and airflow associated with voluntary and reflex cough in healthy young adults. Accepted for presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
76. *Laciuga, H., Troche, M.S., Sapienza, C.S., & Hegland, K.W. Functional outcomes associated with expiratory muscle strength training (EMST). Accepted for presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
77. Troche, M.S., Davenport, P.W., Okun, M.S., & Hegland, K.W. Urge to cough and aspiration in Parkinson's disease. Accepted for presentation at the Annual Translational Science Meeting. April 2014: Washington D.C.
78. Troche, M.S., *Brandimore, A.E., Foote, K.F., Okun, M.S., & Hegland, K.W. Swallowing outcomes following unilateral STN vs. GPI surgery: retrospective analysis. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
79. Troche, M.S., *Brandimore, A.E., Okun, M.S., Davenport, P.W., & Hegland, K.W. Reflex cough sensitivity in Parkinson's disease and dysphagia. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
80. Hegland, K.W., Davenport, P.W., *Brandimore, A.E., & Troche, M.S. Expiratory muscle strength training (EMST) to improve airway protection in post-stroke patients. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
81. *Brandimore, A.E., Hegland, K.W., & Troche, M.S. Peak expiratory flow in Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
82. Troche, M.S., Hegland, K.W., Okun, M.S., & Davenport, P.W. Decreased sensitivity to cough stimulus in persons with Parkinson's disease and dysphagia. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2013: Leuven, Belgium.
83. Hegland, K.W., Troche, M.S., Okun, M.S., & Davenport, P.W. Differences in urge to cough and total coughs produced in Parkinson's disease versus healthy adults. Accepted for presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2013: Leuven, Belgium.
84. *Laciuga, H., *Brandimore, A., Troche, M.S., & Hegland, K.W. The Analysis of Clinicians Perceptual Cough Evaluation. Accepted for presentation at the American Speech-Language and Hearing Association Annual Convention. November 2013: Chicago, IL.
85. *Berman, J., Hegland, K.W., Okun, M.S., & Troche, M.S. Comparing Voluntary & Reflex Cough in Parkinson's Disease. Accepted for presentation at the American Speech-Language and Hearing Association Annual Convention. November 2013: Chicago, IL.
86. Troche, M.S., Hegland, K.W., *Berman, J., Okun, M.S., & Davenport, P.W. Urge to cough and airway protection in Parkinson's disease. Accepted for presentation at the American Cough Conference. June 2013: NYC.

87. Hegland, K.W., Troche, M.S., & Okun, M.S. Sequential cough in Parkinson's disease. Accepted for presentation at the American Cough Conference. June 2013: NYC.
88. Troche, M.S. & Hegland, K.W. A tutorial on airway protection deficits for the dysphagia specialist. Accepted for presentation at the World Congress for the International Association of Logopedics and Phoniatrics. August 2013: Torino, Italy.
89. Troche, M.S. & Hegland, K.W. Swallow-respiratory relationships and the impact on dysphagia management. Accepted for presentation at the World Congress for the International Association of Logopedics and Phoniatrics. August 2013: Torino, Italy.
90. Troche, M.S., Hegland, K.W., Okun, M.S., & Davenport, P.W. Swallowing dysfunction and breathing effort in Parkinson's disease. Accepted for presentation at the Annual Translational Science Meeting. April 2013: Washington D.C.
91. Troche, M.S., Hegland, K.W., *Johnson, A.E., Okun, M.S., & Davenport, P. Assessing dyspnea in patients with dysphagia and Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2013: Seattle, Washington.
92. Hegland, K.W., Troche, M.S., *Johnson, A.E., Okun, M.S., & Davenport, P. Relationship between peak expiratory flow, cough expired volume, and cough number in persons with Parkinson's disease. Accepted for presentation at the International Dysphagia Research Society's Annual Meeting. March 2013: Seattle, Washington.
93. Troche, M.S. & Hegland, K.W. Dyspnea and quality of life associated with dysphagia in Parkinson's disease. Accepted for presentation at the International Society for the Advancement of Respiratory Psychophysiology (ISARP). September 2012: Orlando, Florida.
94. Hegland, K.W. & Troche, M.S. Dyspnea and quantitative measures of dysphagia in Parkinson's disease. Accepted for presentation at the International Society for the Advancement of Respiratory Psychophysiology (ISARP). September 2012: Orlando, Florida.
95. Troche, M.S., Hegland, K.M., & *Johnson, A.C. Cough function pre/post DBS in Parkinson's disease: a case series. Accepted for presentation at The Fall Voice Conference. October 2012: New York City, NY.
96. Hegland, K.M., Troche, M.S., & Davenport, P.W. Relationship between total expired air, peak airflow, and cough number in down-regulated reflex cough. Accepted for presentation at The Fall Voice Conference. October 2012: New York City, NY.
97. Troche, M.S., Wheeler, K.M., & Pitts, T.E. Airway protection deficits for the SLP: Cough and Swallowing. Accepted for presentation as Short Course at American Speech Language Hearing Association Convention. November 2012: Atlanta, GA.
98. Troche, M.S., *Berman, J.E., *Johnson, A.C., *Kraemer, A.M., *Madhavan, A., Foote, K.D., & Okun, M.S. Swallowing safety in Parkinson's disease following DBS: A retrospective analysis. Accepted for presentation at international Dysphagia Research Symposium March 2012: Toronto, Canada.
99. *Johnson, A., Foote, K.D., Okun, M.S., & Troche M.S. Swallowing function pre/post DBS in Parkinson's disease: a case series. Accepted for presentation at international Dysphagia Research Symposium March 2012: Toronto, Canada.
100. Troche, M.S., Okun, M.S. *Johnson, A., *Madhavan, A., & Sapienza, C.M. Patient Perceptions of Speech Production Pre and Post Deep Brain Stimulation Surgery. Accepted for presentation at Sixteenth Biennial Conference on Motor Speech: Santa Rosa, CA.
101. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Swallowing and breathing related outcomes following detraining in EMST. Accepted for oral presentation at international Dysphagia Research Symposium March 2011: San Antonio, TX.
102. Troche, M.S., Jones, H., Rosenbek, J.C. & Fernandez, H.F. Contribution of Non-Motor Dysfunction on

- Swallowing in PD. Accepted for poster presentation at international Dysphagia Research Symposium March 2011: San Antonio, TX.
103. Hieber, B., Troche, M.S., & Wheeler-Hegland, K. Expiratory Muscle Strength Treatment for Dysphagia Following Treatment for Head and Neck Cancer: A case report. Accepted for presentation Maryland State Speech and Hearing Convention.
 104. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Detraining and EMST in Parkinson's Disease. Accepted for presentation at AD/PD March 2011: Barcelona, Spain.
 105. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Swallowing related quality of life and EMST in Parkinson's Disease. Submitted for presentation at American Academy of Neurology April 2011: Hawaii.
 106. Sapienza, C.M., Troche, M.S., Silverman, E.J., Rosenbek, J.C., Musson, N, Okun, M.S. Strength Training Outcomes for Airway Protection in PD. Accepted for presentation at AD/PD March 2011: Barcelona, Spain.
 107. Troche, J., Troche, M.S., Berkowitz, R., Grossman, M., & Reilly, J. Tone discrimination as a window into acoustic perceptual deficits in Parkinson's disease. Accepted for presentation October 2010: Greece.
 108. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Accepted for oral presentation at Integrative Neural Systems Underlying Vital Aerodigestive Tract Functions Conference. June 2010: Madison, Wisconsin.
 109. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Accepted for presentation at 14th International Congress of PD and Movement Disorders. June 2010: Buenos Aires, Argentina.
 110. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Accepted for presentation at 2010 Dysphagia Research Society Conference. March 2010: San Diego, CA.
 111. Troche, M.S., Fernandez, H.H., Okun, M.S., Rodriguez, R.L., Rosenbek, J.C., & Sapienza, C.M. Rehabilitation of Dysphagia in Progressive Supranuclear Palsy. Accepted for presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
 112. Troche, M.S., Okun, M.S., Rosenbek, J.C., Musson, N., Fernandez, H.H., Rodriguez, R., Romrell, J., & Sapienza, C.M. Aspiration and Swallowing in Parkinson's Disease and Rehabilitation with EMST: The ASPIRE Study. Accepted for presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
 113. Troche, M.S., Altmann, L.J.P., Fernandez, H.H., Okun, M.S., & Sapienza, C.M. Sentence Production in Parkinson's Disease: Effects of Conceptual and Task Complexity. Accepted for presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
 114. Plowman-Prine, E.K., Okun, M.S., Sapienza, C.M., Pollock, S.L., Jacobson, C., Troche, M.S., Wu, S.S., & Rosenbek, J.C. The Relationship between Quality of Life and Swallowing in Parkinson's Disease: A Preliminary Investigation. Accepted for presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
 115. Plowman-Prine, E.K., Troche, M.S., Rosenbek, J.C., Okun, M.S. & Sapienza, C.M. The Relationship between Quality of Life and Swallowing in Parkinson's Disease: The Effects of Depression. Accepted for presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
 116. Troche, M.S., Okun, M.S., Rosenbek, J.C., Musson, N., & Sapienza, C.M. Swallow outcomes following intervention with Expiratory Muscle Strength Training (EMST) in Parkinson's Disease: Results of a Randomized Clinical Trial. Accepted for presentation at 2009 Dysphagia Research Symposium. March 2009: New Orleans, LA.

117. Troche, M.S., Huebner, I., Rosenbek, J.C., Fernandez, H., & Sapienza, C.M. Examining Timing and Safety of Swallow in Progressive Supranuclear Palsy (PSP). Accepted for presentation at 2008 American Speech-Language-Hearing (ASHA) Convention. November 2008: Chicago, IL.
118. Sapienza, C.M. & Troche, M.S. Respiratory Muscle Strength Training as a Rehabilitation Program. Accepted for presentation at Choice for Voice. July 2008: London, England.
119. Troche, M.S., Musson, N., Rosenbek, J.C., Okun, M., & Sapienza, C.M. Treatment Outcomes of Expiratory Muscle Strength Training (EMST) on Swallow Function in Parkinson's Disease. Accepted for presentation at the Movement Disorders Society International Congress. June 2008: Chicago, IL.
120. Troche, M.S., Wheeler-Hegland, K., Musson, N., Rosenbek, J.C., Okun, M., & Sapienza, C.M. Effects of EMST on swallow function in Parkinson's disease. Accepted for presentation at the American VA Speech Language Pathology Conference in Arizona. April 2008: Arizona.
121. McGrath-Morrow, S., Troche, M.S., Lefton-Greif, M., Sapienza, C.M., Kelly, A., Rosquist, K., Crawford, T., & Lederman, H. Measurements of Lung Function and Pulmonary Reserve in Adolescents with Ataxia Telangiectasia. Accepted for presentation at The International Ataxia-Telangiectasia Workshop 2008. 2008: Japan.
122. Troche, M.S., Altmann, L.J.P., Rosenbek, J.C., & Sapienza, C.M. Exploring sentence production in PD: Effects of conceptual and task complexity. Accepted for presentation at 2008 Clinical Aphasiology Conference. May 2008: Jackson Hole, WY.
123. Troche, M.S., Altmann, L.J.P., Hudson, L., Wallace, K. & Sapienza, C.M. Conceptual complexity interferes with language production in Parkinson's disease. Accepted for presentation at 2008 Cognitive Aging Conference. April 2008: Atlanta, GA.
124. Troche, M.S., Rosenbek, J.C., Musson, N., Wheeler, K.M., Okun, M., & Sapienza, C.M. Effects of EMST on swallow function in Parkinson's disease. Accepted for presentation at 2008 Dysphagia Rehabilitation Symposium (DRS). March 2008: Charleston, SC.
125. Wheeler, K.M. Troche, M.S., Rosenbek, J.C., & Sapienza, C.M. Physiologic aspects of swallow function in patients with idiopathic Parkinson's disease with and without penetration and/or aspiration. Accepted for presentation at Dysphagia Research Symposium. March 2008: Charleston, SC.
126. Troche, M.S., Altmann, L.J.P., Rosenbek, J.C., Shrivastav, R., & Sapienza, C.M. Effects of cognitive-linguistic factors on speech and language production in Parkinson's disease. Accepted for presentation at 2008 Motor Speech Conference. March 2008: Monterrey, CA.
127. Pitts, T., Bolser, D., Rosenbek, J.C., Troche, M.S., & Sapienza, C.M. Laryngeal function during voluntary cough: Its relationship to penetration/aspiration and voice quality in Parkinson's disease. Accepted for presentation at 2008 Motor Speech Conference. March 2008: Monterrey, CA.
128. Troche, M.S., Altmann, L.J.P., Hudson, L., Wallace, K., & Sapienza, C.M. Effects of task and grammatical complexity on sentence production in Parkinson's disease. Accepted for presentation at 2008 International Neuropsychological Society Meeting. February 2008: Hawaii.
129. Troche, M.S., Rosenbek, J.C., & Sapienza, C.M. Physiological and Cognitive Predictors of SWAL-QOL in Parkinson's disease. Accepted for poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
130. Hieber, B., Troche, M.S., & Musson, N. Combined Treatments for Dysphagia: A Case Study. Accepted for poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.

131. Pitts, T.E., Bolser, D., Rosenbek, J., Troche, M., Sapienza, C.M. Voluntary Cough in Patients with PD. Accepted for poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
132. Wingate, J.M., Troche, M., Huebner, I. The Effect of Expiratory Muscle strength training with choral singers. Accepted for poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
133. Troche, M.S., Rosenbek, J.C., Okun, M., Sapienza, C.M. Effects of bolus consistency on timing and safety of swallow in patient's with Parkinson's disease. *Accepted for Platform Presentation at 2006 American Speech-Language-Hearing (ASHA) Convention; November 2006.*
134. Troche, M.S., Saleem, A., Okun, M., Rosenbek, J. Sapienza, C.M. *Effects of Levodopa treatment on speech timing in patients with Parkinson's disease.* Accepted for Poster Presentation at 2005 American Speech-Language-Hearing (ASHA) Convention and published in *SpeechPathology.com* in September 2006.
135. Sapienza, C.M., Rosenbek, J., Shrivastav, R., Troche, M., Wingate, J., Saleem, A., & Okun, M. *Speech timing in Parkinson's disease in on and off medication states.* Poster presented at the Seventeenth Annual Symposium on Etiology, Pathogenesis and Treatment of Parkinson's disease and other movement disorders. San Francisco, CA. October 2003.

INVITED SESSION CONFERENCE MODERATOR

1. Respiratory Sensations in Patient Populations. *International Society for the Advancement of Respiratory Psychophysiology (ISARP) Annual Meeting.* Orlando, FL: September 2012.
2. Applying Principles of Motor Learning to Deglutition. *Dysphagia Research Society Annual International Meeting.* March 2012.

REVIEWING & EDITORIAL EXPERIENCE

<i>Frontiers in Respiratory Physiology</i> , Review Editor	August 2010 – present
<i>Brazilian Journal of Comm Dis, Audiology and Swallowing</i> , Editorial board	September 2012 – April 2020
Ad-hoc consultant	April 2020 - present
<i>Canadian Journal of Speech-Language Pathology and Audiology</i> , Editorial Board	August 2016 – present
<i>American Journal of Speech-Language Pathology</i> , Editorial Board	January 2017 – present

ADDITIONAL AD-HOC REVIEWING

Clinical Otolaryngology
Annals of Otolaryngology, Rhinology & Laryngology
Dysphagia
Movement Disorders
Parkinsonism and Related Disorders
Archives of Physical Medicine
Brain & Behavior
International Journal of Speech-Language Pathology

OTHER REVIEWING

ASHA Students Preparing for Academic & Research Careers (SPARC) Award	July 2015
ASHA e-workshops on Dysarthria Assessment and Treatment Reviewer	July 2014, September 2014

COURSE TEACHING EXPERIENCE

Teachers College, Columbia University:

<i>Voice Disorders</i>	started Spring 2015 – recurrent twice per year
<i>Neuropathology of Speech</i>	started Spring 2015 – recurrent once per year
<i>Assessment and Intervention of Dysphagia</i>	started Fall 2015 – recurrent twice per year
<i>Clinical Practice in a Medical Setting</i>	started Fall 2018 – recurrent once per year
<i>Evaluation of Research in SLP</i>	started Fall 2018 – recurrent once per year
<i>Speech Anatomy and Physiology (Online course)</i>	started Summer 2019 – recurrent once per year
<i>Independent Study in Speech-Language Pathology</i>	started Fall 2015 – recurrent as needed
<i>Supervised Research in Speech-Language Pathology</i>	started Fall 2015 – recurrent as needed

University of Florida:

<i>Speech Anatomy and Physiology</i>	Spring 2008 through Fall 2015
*On-campus, Hybrid, and Distance Learning platforms	
<i>Introduction to Speech Disorders</i>	Fall 2008, Summer 2011
<i>Practicum in Speech-Language Pathology</i>	Summer 2009 through Fall 2014
<i>Applied Movement Disorders</i>	Summer 2012 through Fall 2014
<i>Voice Disorders</i>	Fall 2012
<i>Bootcamp for the SLP student</i>	Fall 2012 through Fall 2014
<i>Motor Speech Disorders</i>	Fall 2014

UNIVERSITY & COLLEGE SERVICE

Teachers College, Columbia University

Provosts Advisory Council, Teachers College, Columbia University	Summer 2020 - present
Joint Working Group on Getting and Administering Grants, Co-Chair, Teachers College, Columbia University	April 2019 – Summer 2019
Curriculum Committee, Chair, Program in Communication Sciences and Disorders	Spring 2015 - present
PhD Committee, Program in Communication Sciences and Disorders, Department of Biobehavioral Sciences	Spring 2015 – present
External Review Committee, Member, Program in Communication Sciences and Disorders	Spring 2017 – Spring 2018
Diversity Committee, Chair, Department of Biobehavioral Sciences	Spring 2016 – present
Faculty Development Advisory Committee, Teachers College, Columbia University	Summer 2016 – Summer 2018
Faculty Selection Committee for the Shirley Chisholm Dissertation Award, Teachers College, Columbia U	Spring 2017 - Summer 2018

University of Florida

Advisor - University of Florida Undergraduate National Student Speech Language and Hearing Association
Fall 2010 through present

Advisor - University of Florida Graduate National Student Speech Language and Hearing Association
Spring 2014 through present

Diversity Committee – Public Health and Health Professions, UF
Committee Chair beginning July 2014

Diversity Day Abstract Committee - Public Health and Health Professions, UF

Ad-hoc Strategic Planning Committee – Department of Speech, Language, and Hearing Sciences, PHHP, UF

Interprofessional Electronic Health Record Committee – Health Science Center, UF

Center for Movement Disorders and Neurorestoration, Coordinator of Clinical SLP services

Ad-hoc Task Force on PhD recruitment - Department of Speech, Language, and Hearing Sciences, PHHP, UF

University Minority Mentor Program – University of Florida

SLHS Chair Search Committee, Member – Fall 2014

Search Committee for SLHS Clinical Lecturer, Chair – Spring 2012

Search Committee for SLHS Clinical Lecturer, Chair – Summer 2010

STUDENT and FELLOW MENTORSHIP

Doctoral Sponsor/Chair:

Avery Dakin – current; Teachers College, Columbia University

James Borders – current; Teachers College, Columbia University

Jordanna Sevit – current; Teachers College, Columbia University

James Curtis – graduated October 2020; Teachers College, Columbia University

Akila Rajappa – graduated February 2019; Teachers College, Columbia University

Avinash Mishra – graduated Feb 2016; Teachers College, Columbia University

Alexandra Brandimore - graduated May 2015; University of Florida

Doctoral Committee Member:

Helena Laciuga – graduated December 2016; University of Florida

Audrey Hazamy - graduated August 2015; University of Florida

Marion Leaman – committee member, graduated 2020, Teachers College, Columbia University

Ena Freeman - committee member, current, Teachers College, Columbia University

Sih-Chiao Hsu - chair, graduated 2017, Teachers College, Columbia University

Iona Malatra - committee member, graduated 2016, Teachers College, Columbia University

Melissa Randazzo - committee member, graduated 2016, Teachers College, Columbia University

Alexandra DeSorbo - fourth reader, graduated 2016, Teachers College, Columbia University

Masters Thesis Chair:

Seth Dornish (graduated May 2016; University of Florida)

Michelle Valenti (graduated May 2016; University of Florida)

Jessica Berman (MA; University of Florida)

Post –doctoral Fellowship Mentor:

James Curtis, PhD – graduated October 2020; Teachers College, Columbia University

October 2020 - present

Sarah Perry, PhD – Doctoral studies completed at the University of Canterbury, Christchurch, New Zealand

August 2016 – May 2020

Kelly Silveirio, PhD – Faculty at University of Bauru, Bauru, Brazil

March 2017 – March 2018

Alexandra Brandimore, PhD, Doctoral Studies completed at the University of Florida, Gainesville, FL

July 2015 – June 2016

Visiting Scholar Mentor:

Paige Thomas (PhD student), Fulbright Scholar, University of Canterbury, New Zealand

September 2017 – August 2018

Kelly Silverio (Post-Doctoral Researchers), University of Sao Paulo, Bauru, Brazil

March 2017 – February 2018

Beate Schumann (PhD student), University Hospital, Aachen, Germany

August 2014 – December 2014

Juliana Godoy (PhD student), University of Sao Paulo, Bauru, Brazil

September 2013 – February 2014

Clinical Fellowship Mentor/Supervisor

Brianna Kiefer September 2020 - present

Zeina Seikaly July 2018 - July 2019

Avery Dakin June 2018 – June 2019

Jordanna Sevitz August 2017 – August 2018

Student/Fellow Honors:

James Curtis (Doctoral Student)

2020 1st Place New Investigator Award from the Dysphagia Research Society

2020 American Academy of Neurology Post-Doctoral Fellowship

2020 CAPCSD Doctoral Scholarship

2019 Distinguished Research Award in Dysphagia - American Board of Swallowing and Swallowing Disorders

2019 Junior Investigator Scholarship Award - Dysphagia Research Society & Springer Publishing

2019 Research Dissertation Fellowship (Teachers College, Columbia University; 2019-2020)

2019 Dysphagia Research Society's Sponsor-A-Student Scholarship

2018 New Century Scholars Doctoral Scholarship - ASHFoundation

2018 Best Student Oral Presentation - International Society for the Advancement of Respiratory
Psychophysiology Annual Meeting

2018 Provost's Grant for Conference Presentation and Professional Development - Teachers College

- 2017 Dean's Grant for Student Research - Teachers College, Columbia University
- 2016 Teachers College, Columbia University Doctoral Fellowship Award

James Borders (Doctoral Student)

- 2020 Dysphagia Research Society: 1st Place Scientific Abstract Oral Presentation (2020)
- 2020 Dysphagia Research Society: Springer Publishing Junior Investigator Travel Grant (2020)

Sarah Perry (Post-Doctoral Fellow)

- 2019 National Ataxia Foundation Young Investigator Award
- 2018 ASH Foundation New Investigator's Research Grant
- 2018 American Speech Language Hearing Association Certificate of Clinical Competency in Speech Language Pathology (CCC-SLP)
- 2018 Dysphagia Research Society: 1st Place Scientific Abstract Oral Presentation
- 2017 Dysphagia Research Society New Investigator Award

Avinash Mishra (Doctoral Student)

- 2017 New Investigator Forum Finalist – Dysphagia Research Society Annual Meeting
- 2016 Minority Student Leadership Program (ASHA)
- 2016 American Academy for Cerebral Palsy and Developmental Medicine Graduate Scholarship (\$1000)
- 2016 Professional Travel Grant (\$500)
- 2015 Provost Grant for Professional Development (\$500)

Akila Rajappa (Doctoral Student)

- 2017 Speech and Audiology Grant, Teachers College, Columbia University
- 2017 TC International Scholarship Teachers College, Columbia University
- 2016 Patti Cluss Award/Stipend, Teachers College, Columbia University
- 2016 Speech and Audiology Grant, Teachers College, Columbia University
- 2015 Minority Scholarship, Teachers College, Columbia University (2015-16)

Alexandra Brandimore (Doctoral Student and Post-Doctoral Fellow)

- 2016 Third Place Platform Presentation - Dysphagia Research Society Annual Meeting
- 2015 University of Florida, College of Public Health and Health Professions Research Day Travel Award
- 2014 First Place Poster Presentation - Dysphagia Research Society Annual Meeting
- 2014 University of Florida, College of Public Health and Health Professions Collaboration Award