

MICHELLE S. TROCHE, Ph.D., CCC-SLP, F-ASHA

WORK ADDRESS

Program in Communication Sciences and Disorders
Department of Biobehavioral Sciences
Teachers College, Columbia University
525 West 120 St,
Building 528 1054A
New York, NY 10027
Ph: (212) 678-3953
F: (212) 678-3322
mst2139@tc.columbia.edu
www.tc.columbia.edu/uadlab/

PROFESSIONAL POSITIONS

Program Director Department of Biobehavioral Sciences, Teachers College, Columbia University	Sept 2020 - present
Professor Department of Biobehavioral Sciences, Teachers College, Columbia University	Sept 2024 - present
Acting Chair Department of Biobehavioral Sciences, Teachers College, Columbia University	Jan 2024 – Aug 2024
Associate Professor (with Tenure) Department of Biobehavioral Sciences, Teachers College, Columbia University	Sept 2018 – Aug 2024
Assistant Professor Department of Biobehavioral Sciences, Teachers College, Columbia University	Jan 2015 – Aug 2018
Affiliate Faculty Department of Neurology, Columbia University Medical Center	February 2016-present
Affiliate Faculty 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 São 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

2024	NIH NINDS Landis Award for Outstanding Mentorship
2023	Fellow, American Speech, Language and Hearing Association
2023	Changemaker Session, American Speech, Language and Hearing Association National Convention
2022	First Place Poster Presentation (Mentor/Co-author) – Dysphagia Research Society Annual Meeting
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, New York State Licensure (024602)
 American Speech-Language-Hearing Association (ASHA, CCC-SLP), Member
 Adult Swallowing Disorders Planning Committee – 2022 ASHA Convention
 Dysphagia Research Society, Member
 Secretary-Treasurer; April 2025 to present
 Diversity, Equity, and Inclusion Committee, Chair; April 2023 to present
 Finance Committee, Chair; April 2025 to present
 Strategic Planning Committee; Member, April 2025- March 2030
 Strategic Planning Working Group, Chair; April 2025 to present
 Councilor; March 2021 to March 2023
 Bylaws Committee, Member; April 2021 to March 2023
 Mentorship and Research Development Committee, Chair; May 2020 to March 2023
 Diversity, Equity, and Inclusion Committee, Member; April 2021 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
 Abstract Committee, Member; DRS Meeting 2021
 International Society for the Advancement of Respiratory Psychophysiology, Member
 Past-President; Term: Summer 2020 – Summer 2021
 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
 CurePSP Foundation

Education Planning Committee, 2023 to 2024
 CurePSP Dx & Tx Working Group – Review on voice and speech in atypical parkinsonism
 Parkinson Foundation
 Education Planning Committee, 2023 to 2024
 Delphi Panel on Inpatient Management of Dysphagia in Parkinson’s Disease, 2024 to present
 World Parkinson Congress
 7th World Parkinson Congress (WPC 2026) Program Committee, 2024 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 Institutes of Health – R01

Rehabilitation of Airway Protection in Parkinson's Disease: Comparing In-Person and Telehealth Service Delivery Models

The objective of this application is to pair Expiratory Muscle Strength Training + Cough Skill Training – and compare clinical and patient-centered outcomes when conducted in-person versus via telehealth in the short- and the long-term. Also, we will assess the role of specific patient burden factors and resultant treatment adherence on clinical outcomes.

Role: Principal Investigator

Amount: \$3,700,524 (Total Costs)

National Institutes of Health – Administrative Supplement to Parent R01

Towards Improving Treatment Utilization by Engaging Patient Perspectives on Airway Protective Rehabilitation in Parkinson’s Disease

The overall *objective* of this application, an administrative supplement to our parent award, is to obtain qualitative data from semi-structured interviews following short- and long-term airway protective treatment (EMST+CST) when delivered in-person and via telehealth. We aim to (1) define treatment acceptability and satisfaction – which are critical determinants of treatment success, adherence, and utilization, and have never been studied following EMST and CST, (2) examine the impact of treatment barriers and facilitators on adherence and treatment outcomes, and (3) qualitatively explore treatment acceptability and satisfaction among Black and Hispanic individuals and those from disadvantaged regions, as measured by the Area Deprivation Index (ADI).

Role: Principal Investigator

Amount: 200,000 (Direct costs)

COMPLETED

Biobehavioral Sciences Department Seed Grant

Improving the Implementation of Cough Skill Training in Clinical Practice

The objective of this seed grant is to: 1) develop a software to facilitate the administration and clinical outcome measurement of a cough training paradigm, and 2) determine the optimal practice conditions that facilitate cough motor adaptation in neurodegenerative diseases.

Role: Principal Investigator

Amount: \$10,000 (Total costs)

Provost's Research Fund – Teachers College, Columbia University

Improving Accessibility to Multi-Disciplinary Clinical Care for Parkinson's Disease via a Telehealth Model

The objective of this study is to assess the feasibility of coordinated multidisciplinary care by SLPs and PTs via telehealth in PD. This first step will provide necessary preliminary evidence to support a larger application to the Patient-Centered Outcomes Research Institute (PCORI).

Role: Principal Investigator

Amount: \$20,000 (Total costs)

Michael J Fox Foundation

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

The overarching aim of this study was 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.

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 was 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.

Role: Co-Principal Investigator

Amount: \$100,000

National Ataxia Foundation

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

The objective of this application was 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 was 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)

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

Neurological control of the swallow reflex

The goal of this research was 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

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

Teachers College, Columbia University - Provost Investment Fund 2015

Clinical-Research Neurorehabilitation Center at Teachers College, Columbia University

This application proposed the creation of the Clinical-Research Neurorehabilitation Center (CRNC) at Teachers College, Columbia University.

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 proposed an initiative aimed at strengthening clinical research for rehabilitation in neurodegenerative disease at Teachers College. The funding was used to enhance the collaboration between the Neurorehabilitation Research Laboratory and the Upper Airway Dysfunction Laboratory with the Columbia University Medical Center.

Role: Co-Principal Investigator

Amount: \$20,000 (Total costs)

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.

Role: KL2 Fellow/Principal Investigator

Amount: 75% salary over three years

PUBLICATIONS

**denotes a student or trainee co-author*

REFEREED PUBLICATIONS

1. Borders, J.B., Kuo, S-H., & Troche, M.S. (In press). Feasibility of Cough Skill Training in Cerebellar Ataxia. *Cerebellum*.
2. *Villarreal, K., *Sevitz, J.S. *Borders, J.C., Curtis, J. & Troche, M.S. (In press). Feasibility of Expiratory Muscle

Strength Training in Individuals with Progressive Supranuclear Palsy. *Neurodegenerative Disease Management*.

3. *Borders, J.C., Huber, J.E., & Troche, M.S. (In press). Estimating Lung Volume During Cough: A Comparison of Respiratory Calibration Tasks and Methodologies. *JSLHR*.
4. *Sevitz, J.S., Rogus-Pulia, N., Malandraki, G., & Troche, M.S. (In press). Treatment Acceptability and Satisfaction with Cough Skill Training in Parkinson's Disease: A Mixed Methods Study. *JSLHR*.
5. Loy, R.D., Rogus-Pulia, N., Ketchum, F., Troche, M.S., Rameau, A., Jones, H.N., Riquelme, L., Gilmore-Bykovski, A., Shah, M.N., & Kind, A. (In press). Eating and swallowing care disparities in persons with dementia: a conceptual framework. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*
6. *Sevitz, J.S., Rogus-Pulia, N., & Troche, M.S. (In press). Perspectives on airway protection: A mixed methods investigation in people with Parkinson's disease. *AJSLP*
7. *Tipton, C., *Borders, J.C., Curtis, J.A., & Troche, M.S. (In press). Bowing Index in Individuals with Parkinson's Disease, Progressive Supranuclear Palsy, and Ataxia. *Laryngoscope*.
8. *Lowell, E.R., Macpherson C., *Villarreal-Cavazos, K., Chandrana, A., *Sevitz, J.S., *Veit, K., *Dakin, A., Quinn, L., & Troche, M.S. (In press). An Interdisciplinary Approach for Rehabilitation in Parkinson's Disease: Case Series. *Neurodegenerative Disease Management*.
9. *Dakin, A. & Troche, M.S. (In press). Ratings of perceived effort during expiratory pressure tasks in healthy adults. *Respiratory Physiology & Neurobiology*.
10. *Borders, J.C., *Villarreal-Cavazos, K., Huber, J.E., Quinn, L., Keller, B., & Troche, M.S. (In press). Enhancing Cough Motor Learning in Parkinson's Disease Through Variable Practice During Task-Specific Training. *Movement Disorders Clinical Practice*.
11. *Borders, J.C., Grande, A.A., Barbon, C.A.E., & Hutcheson, K.A., & **Troche, M.S.** (2024). Effects of Statistical Practices for Longitudinal Group Comparison of the Penetration-Aspiration Scale on Power and Effect Size Estimation: A Monte Carlo Simulation Study. *Dysphagia*, Aug 17.
12. Curtis, J.A., *Borders, J.C., Kieffer, B., Alcalay, R., Huber, J.E., & **Troche, M.S.** (In press). Respiratory-Swallow Coordination and its Relationship with Pharyngeal Residue, Penetration, and Aspiration in People with Parkinson's Disease. *JSLHR*.
13. *Borders, J.C., & Troche, M.S. (2024). Minimal Detectable Change of Cough and Lingual Strength Outcomes in Neurodegenerative Disease. *Laryngoscope*, Jul 22.
14. *Dallal-York, Troche, M.S. (2024). Hypotussive Cough: A Framework for Biobehavioral Interventions in Patients with Dysphagia. Aspiration Management and Rehabilitation. *Frontiers in Rehabilitation Sciences*, June 12.
15. *Borders, J.C., Huber, J.E., Quinn, L.E., & **Troche, M.S.** (In press). A Preliminary Study of Voluntary Cough Motor Performance and Learning with Skill Training and Biofeedback. *JSLHR*.

16. *Perry, S.E., **Troche, M.S.**, Huber, J.E., *Curtis, J.A., Kiefer, B., Sevitz, J.S., Dennard, Q., *Borders, J.C., River Browy, J., *Dakin, A.E., *Gonzales, V., *Chapman, J., *Wu, T., *Katz, L., Britton, D. (2024). Behavioral management of respiratory/phonatory dysfunction for dysarthria associated with neurodegenerative disease – A systematic review. *AJSLP*, 17 Jan 2024.
17. *Lowell, E., *Borders, J.C., Perry, S.E., *Dakin, A.E., *Sevitz, J.S., Kuo, S-H, & **Troche, M.S.** (2023). Sensorimotor Cough Dysfunction in Cerebellar Ataxias. *Cerebellum*, Nov 30.
18. *Dakin, A.E., *Borders, J.C., Curtis, J.A., & **Troche, M.S.** (2023). Maximal Expiratory Pressure and its Link with Cough Airflow Before and After Expiratory Muscle Strength Training in Parkinson’s Disease. *Perspectives of the ASHA Special Interest Groups*, Nov 30.
19. *Borders, J.B., Hegland, K.W., Vanegas-Arroyave, N., & **Troche, M.S.** (2023). Motor Performance During Sensorimotor Training for Airway Protection. *AJSLP*, 32, 2718-2733.
20. Curtis, J.A., *Borders, J.C., *Dakin, A.E., & **Troche, M.S.** (2023). Auditory-Perceptual Assessments of Cough: Characterizing Rater Reliability and the Effects of a Standardized Training Protocol. *Folia Phoniatrica et Logopaedica*, Aug 4.
21. Doruk, C., Curtis, J.A., *Dakin, A.E., & **Troche, M.S.** (2023). Cough and Swallowing Therapy and Their Effects on Vocal Fold Bowing and Laryngeal Lesions. *Laryngoscope*, July 27.
22. Curtis, J.A., *Borders, J.C., *Dakin, A.E., & **Troche, M.S.** (2023). Normative Reference Values for FEES and VASES: Preliminary Data from 39 Non -Dysphagic, Community-Dwelling Adults. *JSLHR*, 12, 2260-2277.
23. *Borders, J.C., *Sevitz, J.S., *Curtis, J.A., Vanegas-Arroyave, N., & **Troche, M.S.** (2023). Quantifying Swallowing Safety and Efficiency in Progressive Supranuclear Palsy and Parkinson’s Disease. *Dysphagia*, Feb 10.
24. *Lowell, E.R., *Borders, J.C., *Sevitz, J.S., *Dakin, A.E., Brates, D., & **Troche, M.S.** (2023). A Primer on Hypotussic Cough: Mechanisms and Assessment. *Current Otorhinolaryngology Reports*, 1-10.
25. *Sevitz, J.S., Perry, S., *Borders, J.C., *Dakin, A.E., Curtis, J.A., & **Troche, M.S.** (2022). The Relationship between Lingual Strength and Functional Swallowing Outcomes in Parkinson’s disease. *Dysphagia*, 1-15.
26. *Sevitz, J.S., Bryan, J.L., Mitchell, S.S., Craig, B.A., Huber, J.E., **Troche, M.S.**, & Malandraki, G.A. (2022). Telehealth Management of Dysphagia in Adults: A Survey of Speech Language Pathologists’ Experiences and Perceptions. *Dysphagia*, 1-16.
27. **Troche, M.S.**, *Curtis, J.A., *Dakin, A.E., *Sevitz, J.S., *Borders, J.C., Perry, S.E., Grande, A., Mu, Y., Vanegas-Arroyave, N., & Hegland, K.W. (2022). Rehabilitating Cough Dysfunction in Parkinson’s Disease: A Randomized Controlled Trial. *Movement Disorders*, 38(2), 201-211.

28. *Sevitz, J.S., *Borders, J.C., *Dakin, A.E., Kiefer, B.R., Alcalay, R.N., Kuo, S.H., & **Troche, M.S.** (2022). Rehabilitation of Airway Protection in Movement Disorders: A Telehealth Feasibility Study. *American Journal of Speech-Language Pathology*, 31(6), 2741-2758.
29. Cole, C.L., Ya, V.X., Perry, S.E., Seenauth, A., Lumpkin, E.A., **Troche, M.S.**, Pitman, M.J., & Moayed, Y. (In press). Healthy human laryngopharyngeal sensory innervation density correlates with age. *The Laryngoscope*.
30. Dos Santos, A.P., **Troche, M.S.**, Berretin-Felix, G., Barbieri, F.A., Brasolotto, A.G., & Silverio, K.C. (2022). Effects of resonance tube voice therapy on Parkinson's disease: clinical trial. *Journal of Voice*.
31. Xu, Y., Feeney, M.P., Surface, M., Novak, D., **Troche, M.S.**, Beck, J.C., & Alcalay, R. (2022). Attitudes towards telehealth services among people living with Parkinson's disease: a survey study. *Movement Disorders*, 37(6), 1289-1294.
32. *Borders, J.C., Grande, A.A., & **Troche, M.S.** (2022). Statistical Power and Swallowing Rehabilitation Research: Current Landscape and Next Steps. *Dysphagia*, 37(6), 1673-1688.
33. *Curtis, J.A., *Borders, J.C., & **Troche, M.S.** (2022). Visual Analysis of Swallowing Efficiency and Safety (VASES): Establishing Criterion-Referenced Validity and Concurrent Validity. *American Journal of Speech-Language Pathology*, 31(2), 808-818.
34. *Borders, J.C., & **Troche, M.S.** (2022). Voluntary Cough Effectiveness and Airway Clearance in Neurodegenerative Disease. *Journal of Speech, Language, and Hearing Research*, 65(2), 431-449.
35. *Curtis, J.A., Huber, J. E., *Dakin, A.E., & **Troche, M.S.** (2022). Effects of Bolus Holding on Respiratory-Swallow Coordination in Parkinson's Disease. *American Journal of Speech-Language Pathology*, 31(2), 705-721.
36. *Perry, S.E., *Borders, J.C., *Dakin, A.E., & **Troche, M.S.** (2022). Characterizing Quality of Life in Caregivers of People with Parkinson's Disease and Dysphagia. *Dysphagia*, 37(3), 523-532.
37. *Borders, J.C., *Sevitz, J.S., *Curtis, J.A., Vanegas-Arroyave, N., & **Troche, M.S.** (2021) Sensorimotor Cough Dysfunction is Prevalent and Pervasive in Progressive Supranuclear Palsy. *Movement Disorders*, 36(11), 2624-2633.
38. Brates, D., **Troche, M.S.**, & Molfenter, S.M. (2021). The Role of Fatigue in the Aging Swallow: A Review. *OBM Geriatrics*, 5(2), 1-19.
39. *Curtis, J.A., *Borders, J.C., *Perry, S.E., *Dakin, A.E., *Seikaly, Z.N., & **Troche, M.S.** (2021). Visual Analysis of Swallowing Efficiency and Safety (VASES): A Standardized Approach to Rating Pharyngeal Residue,

Penetration, and Aspiration During FEES. *Dysphagia*, 1-19.

40. *Sevitz, J.S., *Kiefer, B.R., Huber, J.E., & **Troche, M.S.** (2021). Obtaining Objective Clinical Measures During Telehealth Evaluations of Dysarthria. *American Journal of Speech-Language Pathology*, 30(2), 503-516.
41. *Borders, J.C., *Curtis, J.A., *Sevitz, J.S., Vanegas-Arroyave, N., & **Troche, M.S.** (2021). Immediate Effects of Sensorimotor Training in Airway Protection (smTAP) on Cough Outcomes in Progressive Supranuclear Palsy. A feasibility study. *Dysphagia*, 1-10.
42. *Borders, J.C., *Sevitz, J.S., Bauer-Malandraki, J., Malandraki, G.M., & **Troche, M.S.** (2021). Objective and Subjective Clinical Swallowing Outcomes via Telehealth: Reliability in Outpatient Clinical Practice. *American Journal of Speech-Language Pathology*, 30(2), 532-550.
43. *Perry, S.E. & **Troche, M.S.** (2021). Dual tasking influences cough reflex outcomes in adults with Parkinson's disease: A controlled study. *Dysphagia*, 36(6), 959-973.
44. *Curtis, J.A., Laus, J., Schneider, S.L., & **Troche, M.S.** (2021). Examining the Relationships Between Lingual Strength, Perihyoid Strength, and Swallowing Kinematics in Dysphagic Adults: A Retrospective Cross-Sectional Analysis. *Journal of Speech, Language, and Hearing Research*, 64(2), 405-416.
45. *Borders, J.C., Brandimore, A.E., & **Troche, M.S.** (2021). Variability of Voluntary Cough Airflow in Healthy Adults and Parkinson's Disease. *Dysphagia*, 36, 700-706.
46. *Curtis, J.A., *Seikaly, Z.N., & **Troche, M.S.** (2020). Respiratory-Swallow Coordination Training (RSCT) Improves Swallowing Safety and Efficiency in a Person with Anoxic Brain Injury. *American Journal of Speech-Language Pathology*, 29(4), 1965-1975.
47. *Enver, N., *Borders, J.C., *Curtis, J.A., *Sevitz, J.S., Vanegas-Arroyave, N., & **Troche, M.S.** (2021). The Role of Vocal Fold Bowing on Cough and Swallowing Dysfunction in Progressive Supranuclear Palsy. *Laryngoscope* 131, no. 6 (2021): 1217-1222.
48. *Curtis, J.C., *Seikaly, Z.N., *Dakin, A.E., & **Troche, M.S.** (2021). Detection of Aspiration, Penetration, and Pharyngeal Residue During the Flexible Endoscopic Evaluation of Swallowing (FEES): Comparing the Effects of Color, Coating, and Opacity. *Dysphagia*, 36, 207-215.
49. 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*, 415,116-878.
50. *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*, 35(6), 993-1000.

51. *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.
52. *Curtis, J.A., Molfenter, S.A., & **Troche, M.S.** (2020). Pharyngeal volumetric changes in Parkinson's disease and its influence on swallowing safety, efficiency, and kinematics. *Dysphagia*, 35, 389-398.
53. *Curtis, J.A., & **Troche, M.S.** (2020). Effects of verbal cueing on respiratory-swallow coordination in Parkinson's disease. *Dysphagia*, 35, 460-470.
54. *Yiu, Y., *Curtis, J.A., *Perry, S.E., & **Troche, M.S.** (2020). Relationship of Vocal Fold Atrophy to Swallowing Safety and Cough Function in Parkinson's Disease. *The Laryngoscope*, 130, 303-308.
55. *Curtis, J.A., Molfenter, S., & **Troche, M.S.** (2020). Predictors of Residue and Airway Invasion in Parkinson's Disease. *Dysphagia*, 35, 220-230.
56. 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.
57. *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.
58. *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(2), 515-520.
59. *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(1), 148-154.
60. *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.
61. *Perry, S.E., *Sevitz, J.S., *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*, 5(4), 451-452.
62. 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.

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65. **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.
66. **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.
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73. *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.
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75. **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
76. **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.
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83. **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.
84. 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.

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87. 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.
88. **Troche, M.S.**, & Altmann, L.A. (2012). Sentence Production in Parkinson Disease: Effects of Conceptual and Task Complexity. *Applied Psycholinguistics*, 33, 225-251.
89. Altmann, L.A. & **Troche, M.S.** (2011). High-level language production in Parkinson's disease: a review. *Parkinson's Disease*, Aug 5.
90. 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.
91. **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.
92. **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.
93. **Troche, M.S.**, & Fernandez, H.H. (2010). Sialorrhea and Parkinson's disease: Novel Treatment Approaches. *Nature Reviews Neurology*, 6, 423-424.
94. 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.
95. 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.
96. 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.

97. **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.
98. 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.

UNDER REVIEW

1. Safarpour, D., Brooks, A., Smiley, A., Katzka, D.A., Shprecher, D.R., Greene, J.R., Pahwa, R., Troche, M.S., et al. Consensus expert recommendations for management of dysphagia during hospital admission in Parkinson's disease. *Journal of Parkinsons*.
2. Dakin, A.E., & Troche, M.S. (Under review). Immediate Effects of 100 Expiratory Muscle Strength Training Repetitions in Healthy Adults. *JSLHR*.
3. Robison, R.D., Troche, M.S., Rameau, A., *Sevitz, J., *Villarreal, K., Rodriguez, J., & Rogus-Pulia, N. (Under review). Beyond Food: The Need for Diversity, Equity, Inclusion, and Accessibility to Ensure Person-Centered Swallowing Care. *AJSLP*

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. 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. Sapienza, C.M. & **Troche, M.S.** *Respiratory Training for Special Populations* in Respiratory Muscle Strength Training edited by Sapienza, C.M. & Hoffman, B. Plural Publishing, Inc: 2021.

2. **Troche, M.S.** *Neuroleptic Malignant Syndrome* in Dysphagia in Rare Conditions: An Encyclopedia edited by J.C. Rosenbek & H. Jones. Plural Publishing, Inc: 2009.
3. Sapienza, C.M., & **Troche, M.S.** Respiratory Muscle Strength Training: Theory and Practice published by Plural Publishing, Inc: 2011.
4. 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.
5. **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
6. **Troche, M.S.**, *Holden, A., & *Meisler, J. *Dystussia and Dysphagia in Parkinson's Disease* in Speech Pathology Casebook edited by Ryan Branski and Sonja Molfenter. Thieme Publishers. *Submitted and Accepted

PRESENTATIONS

*denotes a student or trainee co-author

INVITED PRESENTATIONS

1. Troche, M.S., Akhtar, R.S., Cianci, H., & Curtis, M. Rehabilitation Implications of Atypical Parkinsonisms. Shirley Ryan AbilityLab Webinar with CurePSP Foundation. July 2025: Webinar online.
2. Troche, M.S. Dysphagia management. Invited presentation: MDS-ES Allied Health Case-Based Movement Disorders. September 2025: Online.
3. Troche, M.S. Principles and evidence to guide the implementation of exercise-based treatment as part of dysphagia management. ASHA Dysphagia Management Online Conference. September 2025: Online.
4. Troche, M.S. Motor Learning: What Is It & How to Integrate into Swallowing Management. Invited presentation: Shirley Ryan AbilityLab Stroke Course. May 2025: Online.
5. Troche, M.S. Swallowing and Speaking in Patients with Parkinsonian Syndromes. Invited presentation: International Congress of Parkinson's Disease and Movement Disorders. September 2024: Philadelphia, PA.
6. Troche, M.S. Dysphagia across the Continuum of Parkinsonism. Invited presentation: Defining Dysphagia Conference. September 2024: Philadelphia, PA.
7. Troche, M.S. Cough Evaluation and Treatment: Its Role in the Management of Patients with Dysphagia. Invited presentation: NYSSLHA Annual Convention. May 2024: White Plains, NY.
8. Troche, M.S. & Quinn, L. Motor Learning: What Is It and How to Integrate Into Swallowing Management? Invited presentation (Master Class): American-Speech-Language-Hearing Association Convention. November 2023: Boston, MA.
9. Troche, M.S. Rehabilitating Cough Dysfunction in Patients with Dysphagia and Neurodegenerative Disease. Invited webinar: Latin-American Society of Dysphagia. October 2023.

10. Troche, M.S. Blow me away: Expanding the Dysphagia Management Paradigm with Cough. Invited presentation: The New York City Dysphagia Symposium. October 2023: New York City, NY.
11. Troche, M.S. Airway Protection and Rehabilitation in Progressive Supranuclear Palsy. Invited presentation: Hard to Swallow – Dysphagia Management Conference 2023. September 2023: Virtual conference.
12. Troche, M.S. Take a deep breath: Harnessing your breath to improve swallowing and cough function. Invited presentation: World Parkinson Congress. July 2023: Barcelona, Spain.
13. Troche, M.S. Cough rehabilitation in Patients with Dysphagia and Neurologic Disease. Invited presentation: University of Wisconsin Voice and Swallow CEU Lecture Series. June 2023: Webinar.
14. Troche, M.S. Training strength and skill for improved airway protection: EMST and Cough Skill Training. Invited presentation: American Board of Swallowing and Swallowing Disorders. June 2023: Webinar.
15. Troche, M.S. Rehabilitating Cough Dysfunction in Parkinson's Disease: A Randomized Controlled Trial. Invited presentation: Insight into Parkinson's Conference. April 2023: Virtual Conference.
16. Troche, M.S., & Doeltgen, S. Skill Training for Swallowing and Aerodigestive Functions: Current Updates and Future Needs. Invited presentation: 3rd World Dysphagia Summit. March 2023: San Francisco, CA.
17. Troche, M.S. Rehabilitation of Airway Protection in Parkinson's Disease. Invited presentation: Columbia University, Department of Otolaryngology Research Rounds. December 2022: New York, NY.
18. Troche, M.S., Malandraki, G.A., McCoy, Y., Martin-Harris, B., Bice, E. Grand Rounds in strength and skill training for swallowing rehabilitation. Invited presentation: American-Speech-Language-Hearing Association Convention. November 2022: New Orleans, LA.
19. Troche, M.S. Management of Hypotussic Cough Disorders in Patients with Dysphagia. Invited keynote presentation: Belgian Society for Swallowing Disorders Annual Meeting. May 2022: Brussels, Belgium.
20. Troche, M.S. Expiratory Muscle Strength Training for Airway Protective Impairments. Invited keynote presentation: Belgian Society for Swallowing Disorders Annual Meeting. May 2022: Brussels, Belgium.
21. Troche, M.S. Characterization and Management of Cough Dysfunction in Patients with Dysphagia and Neurodegenerative Disease. Rehabilitation Medicine Department Research Virtual Roundtable. February 2022: New York, NY.
22. Troche, M.S. Characterization and Management of Cough Dysfunction in Patients with Dysphagia. Invited presentation: 42nd Annual Neurorehabilitation Conference Encompass Health Rehabilitation Hospital of Braintree. November 2021: Virtual Conference.
23. Troche, M.S. Braintree Expiratory Muscle Strength Training for Airway Protection Deficits: Practical Clinical Considerations. Invited presentation: 42nd Annual Neurorehabilitation Conference Encompass Health Rehabilitation Hospital of Braintree. November 2021: Virtual Conference.
24. Troche, M.S. Expiratory muscle strength training for airway protective dysfunction in Parkinson's Disease (PD). Aspire Products Education and Training. October 2021: Webinar.
25. Troche, M.S. Treating Hypotussic Cough. The Fall Voice SLP Pre-Conference. October 2021: Hybrid Conference.
26. 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.
27. 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.

28. 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.
29. Troche, M.S. Developing Treatments for Swallowing and Communication Deficits in Progressive Supranuclear Palsy (PSP). Invited presentation: CurePSP Ask the Scientist. September 2020: Webinar.
30. 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.
31. Troche, M.S. Developing Treatments for Swallowing and Communication Deficits in Progressive Supranuclear Palsy (PSP). Invited presentation: Tau2020 Conference. February 2020: Washington D.C., USA.
32. 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.
33. 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.
34. Troche, M.S. Management of Cough Dysfunction in Patients with Dysphagia. Invited presentation: 12th annual Otolaryngology Update. October 2018: New York, NY.
35. 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.
36. Troche, M.S. Seminar on Dysphagia in Persons with Movement Disorders. Invited two-day seminar. September 2018: Santiago, Chile.
37. Troche, M.S. Rehabilitation of Cough Dysfunction in Neurogenic Populations. Invited presentation: Columbia University Medical Center Department of Rehabilitation Medicine Grand Rounds. October 2018: New York, NY.
38. 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: New York, NY.
39. Troche, M.S. Respiratory Strength Training: What's the Evidence? Invited presentation: European Society for Swallowing Disorders Annual Pre-Congress. September 2018: Dublin, Ireland.
40. 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.
41. Troche, M.S., & McGrattan. Cross-system as Direct Target for Intervention. Invited presentation at Charleston Swallowing Conference. June 2018: Chicago, IL.
42. 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.
43. 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.
44. 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.
45. 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.

46. 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.
47. Troche, M.S. Speech and swallowing management in PD. Parkinson's Foundation educational seminar. June 2017: New York, NY.
48. Troche, M.S. Peripheral and Neural Substrates of Cough. Invited presentation: Annual Meeting of the International Dysphagia Research Society. March 2017: Portland, OR.
49. Troche, M.S. Managing Dysphagia and Related Issues: Primary Care. Invited presentation: CurePSP Family Conference. February 2016: New York, NY.
50. 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.
51. 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.
52. Troche, M.S. Airway Protection and Rehabilitation in Parkinson's disease. Invited presentation: New York City Dysphagia Study Group. April 2015: New York, NY.
53. Troche, M.S. Communication and Airway Protection: What to expect, What can I do? Invited presentation: Cure PSP Family Conference. February 2015: Gainesville, FL.
54. Troche, M.S. Managing Motor Speech Disorders in Neurodegenerative Disease: Our Toolbox. Invited presentation: ASHA online conference on neurogenic degenerative diseases. September 2014.
55. 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.
56. Troche, M.S. Airway protection and PSP: Strategies to prevent aspiration. Invited presentation: PSP Symposium and Think Tank. April 2014: Gainesville, FL.
57. Troche, M.S. Managing Motor Speech Disorders in Neurodegenerative Disease: Our Toolbox. Invited presentation: ASHA online conference on neurogenic degenerative diseases. February/March 2014.
58. Troche, M.S. Treatment of Motor Speech Disorders. Invited presentation: XX Jornada de Fonoaudiologia Profa Giedre Berretin-Felix. August 2013: Sao Paolo, Brazil.
59. Troche, M.S. Dystussia for the SLP: Implications for Dysphagia Management. Invited presentation: ASHA 2013 Health Care and Business Institute. April 2013: Orlando, FL.
60. Troche, M.S. Swallowing and Respiration: Considerations for Assessment and Treatment. Invited presentation: ASHA 2013 Health Care and Business Institute. April 2013: Orlando, FL.
61. Troche, M.S. Airway protective disorders: mechanisms of dysfunction and rehabilitation. Invited presentation: University of South Florida PhD Seminar. November 2012: Tampa, FL.
62. Troche, M.S. Understanding and Identifying Motor Speech Disorders. Invited presentation: XIX Jornada de Fonoaudiologia Profa Katia Flores Genaro. August 2012: Sao Paolo, Brazil.
63. Troche, M.S., Lazarus, C., Burkhead, L., & Clarke, H. Exercise Principles: How much, how often, and how intense? Short course presentation: American Speech Language Hearing Association Convention. November 2011: San Diego, CA.
64. Troche, M.S. Voice Grand Rounds. Invited presentation: Florida Association of Speech-Language Pathologists Annual Convention. May 2010: Orlando, FL.
65. 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.

66. 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.
67. Troche, M.S. & Sapienza, C.M. EMST for neurodegenerative disease: translations to Ataxia Telangectasia. Invited presentation: Conference on Ataxia Telangectasia. April 2009: Baltimore, MA.
68. Troche, M.S. & Sapienza, C.M. Effects of EMST on Swallow Function in PSP: Preliminary Results. Invited Presentation: CurePSP Symposium. November 2008: Washington D.C.

SUBMITTED/ACCEPTED PRESENTATIONS

1. Villarreal-Cavazos, K., Borders, J.C., Dakin, A.E., Vanegas-Arroyave, N., Hegland, K.W., & Troche, M.S. Disease Severity is Associated with Greater Degeneration of Voluntary Cough Function in Individuals with Parkinson's Disease. Submitted for presentation at the 33rd Dysphagia Research Society Annual Meeting. March 2024: Philadelphia, PA.
2. Veit, K., Sevitz, J.S., Lowell, E.R., Bauer Malandraki, J., Malandraki, G.A., & Troche, M.S. Feasibility of a Maintenance Protocol for Airway Protective Treatment in Parkinson's Disease. Submitted for presentation at the 33rd Dysphagia Research Society Annual Meeting. March 2024: Philadelphia, PA.
3. Borders, J.C., Molfenter, S.M., Malandraki, G.A., & Troche, M.S. Minimal detectable change of laryngeal vestibule closure timing in Parkinson's disease: A first step toward distinguishing meaningful change from variability for swallowing outcomes. Submitted for presentation at the 33rd Dysphagia Research Society Annual Meeting. March 2024: Philadelphia, PA.
4. Beam, A., Troche, M.S., & Curtis, J.A. Differences in Glottic and Supraglottic Closure in Healthy Adults and Patients Individuals with Parkinson's Disease. Submitted for presentation at the 33rd Dysphagia Research Society Annual Meeting. March 2024: Philadelphia, PA.
5. Dakin, A.E., Veit, K., & Troche, M.S. Towards the refinement of EMST: Using ratings of perceived effort (RPE) to guide EMST implementation in-person and via telehealth. Oral presentation at NYSSLHA Annual Convention. May 2024: White Plains, NY.
6. Villarreal, K., & Troche, M.S. Integrating cough into the care of patients with dysphagia: Grand Rounds. Oral presentation at NYSSLHA Annual Convention. May 2024: White Plains, NY.
7. Lowell, E., & Troche, M.S. Practical application of cough evaluation to dysphagia assessments. Oral presentation at NYSSLHA Annual Convention. May 2024: White Plains, NY.
8. Villarreal-Cavazos, K., Borders, J.C., Seikaly, Z., J., Sevitz, J.S., Vanegas-Arroyave, N., & Troche, M.S. Establishing the practical feasibility of expiratory muscle strength training (EMST) for individuals with Progressive Supranuclear Palsy (PSP). Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
9. Borders, J.C., Villarreal-Cavazos, K., Huber, J.E., Quinn, L., Keller, B., & Troche, M.S. Enhancing cough motor learning in Parkinson's disease through variable practice during skill training. Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
10. Tipton, C.B., Borders, J.C., Curtis, J.A., & Troche, M.S. Association between airway protection and bowing index in individuals with neurodegenerative disease. Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
11. Lowell, E.R., Borders, J.C., Sevitz, J.S., Vanegas-Arroyave, N., & Troche, M.S. Reduced lingual swallowing pressure increases odds of airway invasion in progressive supranuclear palsy. Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
12. Veit, K.R., Sevitz, J.S., Dallal-York, J., Dakin, A.E., Lowell, E.R., Borders, J.C., Villarreal-Cavazos, K., Malandraki, J., Malandraki, G.A., & Troche, M.S. Practical tools to improve the implementation of

- expiratory muscle strength training via telehealth. Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
14. Dakin, A., Rau, S., Villarreal-Cavazos, K., Veit, K., Huber, J., & Troche, M. Examining the task specificity of EMST for cough rehabilitation using respiratory kinematics. Poster presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
 15. Dakin, A., Rau, S., Villarreal-Cavazos, K., Veit, K., Huber, J., & Troche, M. Varying resistive load and time-under-tension impacts respiratory and submental physiology during EMST. Platform presentation at the 32nd Dysphagia Research Society Annual Meeting. March 2023: San Juan, Puerto Rico.
 16. Borders, J. C., Lowell, E. R., Cavazos, K. V., & Troche, M. S. How to Integrate Cough Evaluation and Cough Skill Training into Dysphagia Management. Podium presentation. American-Speech-Language-Hearing Association Convention. November 2023: Boston, MA.
 17. Lowell, E. R., Rau, S., Lee T. S., Borders, J. C., Dakin, A. E., & Troche M. S. Cough Motor Effectiveness in Movement Disorders: Comparing Parkinson's Disease, Progressive Supranuclear Palsy, and Ataxia. In-Person Poster. American-Speech-Language-Hearing Association Convention. November 2023: Boston, MA.
 18. Verdun, L., Clark, H, & Troche, M.S. An Integrated Approach to the Care of Atypical Parkinsonism: Communication and Swallowing. American-Speech-Language-Hearing Association Convention. November 2023: Boston, MA.
 19. Villarreal-Cavazos, K., Beam, A., Dallal-York, J., Diaz, C., Veit, K.R., Sevitz, J.S. & Troche, M.S. Health Disparities in Hispanic Individuals with Parkinson's Disease: Narrative Review and Applications to Dysphagia Care. In-Person Poster. American-Speech-Language-Hearing Association Convention. November 2023: Boston, MA.
 20. Dallal-York, J., Dakin A., Curtis, J., Sevitz, J. & Troche, M. Respiratory Muscle Strength Training: Practical Strategies for Immediate Clinical Translation. Seminar. American Speech Language Hearing Association Convention. November 2023: Boston, MA.
 21. Troche, M.S., Borders, J.C., Curtis, J.A., Dakin, A.E., Sevitz, J.S., Perry, S.E., Vanegas-Arroyave, N., & Helgand, K.W. Rehabilitating Swallowing Safety and Cough Effectiveness in Parkinson's Disease: A Randomized Clinical Trial Comparing EMST and smTAP. Dysphagia Research Society. March, 2023. San Francisco, CA.
 22. Borders, J. C., Grande, A. A., Barbon, C. E. A., Hutcheson, K. A., & Troche, M. S. Effects of Statistical Practices for Longitudinal Group Comparison of the Penetration-Aspiration Scale on Power and Effect Size Estimation: A Monte Carlo Simulation Study. Dysphagia Research Society. March, 2023. San Francisco, CA.
 23. Borders, J. C., Huber, J. E., & Troche, M. S. Estimating Lung Volume During Cough: A Comparison of Respiratory Calibration Tasks and Methodologies. Dysphagia Research Society. March, 2023. San Francisco, CA.
 24. Borders, J. C., Lowell, E. R., Huber, J. E., & Troche, M. S. Visual Biofeedback Does Not Enhance Cough Upregulation in Parkinson's Disease. Dysphagia Research Society. March, 2023. San Francisco, CA.
 25. Borders, J. C., Kuo, S. H., & Troche, M. S. Effects of Cough Skill Training in Spinocerebellar Ataxia: A Preliminary Investigation. Dysphagia Research Society. March, 2023. San Francisco, CA.
 26. Cole, C., Perry, S.E., Yu, Victoria, Lumpkin, E., Pitman, M., Troche, M.S., & Moayed, Y. Density of sensory afferents in healthy human laryngopharyngeal tissue correlates with swallow function. Dysphagia Research Society. March, 2023. San Francisco, CA.
 27. Curtis, J. A., Tabor-Gray, L., Arresse, L., Borders, J. C., & Starmer, H. Concurrent and Criterion Validity of Using VASES to Derive DIGEST Grades when Rating Flexible Endoscopic Evaluations of Swallowing (FEES). Dysphagia Research Society. March, 2023. San Francisco, CA.
 28. Curtis, J. A., Borders, J. C., Dakin, A. E., Troche, M. S. Visual Analysis of Swallowing Efficiency and Safety (VASES): Preliminary Norms from a Standardized FEES Protocol in Healthy Adults. Dysphagia Research Society. March, 2023. San Francisco, CA.

29. Curtis, J. A., Lowell, E. R., Troche, M. S. Respiratory-Swallow Training With and Without Visual Biofeedback and its Effect on Swallowing Rehabilitation in Healthy Adults. Dysphagia Research Society. March, 2023. San Francisco, CA.
30. Curtis, J. A., Lowell, E. R., Troche, M. S. Respiratory-Swallow Training With and Without Visual Biofeedback and its Effect on Swallowing Rehabilitation in People with Parkinson's Disease. Dysphagia Research Society. March, 2023. San Francisco, CA.
31. Dakin, A. E. & Troche, M.S. Immediate Effects of a High Intensity Expiratory Muscle Strength Training Session on Perceived Effort, Expiratory Muscle Strength, and Cough Strength in Healthy Adults. Dysphagia Research Society. March, 2023. San Francisco, CA.
32. Dakin, A. E. & Troche, M.S. Ratings of perceived effort during expiratory muscle strength training tasks—a preliminary study in healthy adults. Dysphagia Research Society. March, 2023. San Francisco, CA.
33. Lowell, E. R., Borders, J. C., Kuo, S. H., Perry, S.E., Dakin, A.E., Sevitz, J.S., & Troche, M. S., Disease Severity and Sensorimotor Cough Outcomes in Spinocerebellar Ataxia: A Cross-Sectional Study. Dysphagia Research Society. March, 2023. San Francisco, CA.
34. Perry, S. E., Borders, J. C., Kuo, S. H., Amlang, C., & Troche, M. S. The effect of dual tasking on cough sensorimotor outcomes in people with spinocerebellar ataxia. Dysphagia Research Society. March, 2023. San Francisco, CA
35. Sevitz, J.S., Borders, J.C., Dakin, A.E., Troche, M.S. Functional swallowing impairments do not predict swallowing-related quality of life in people with Parkinson's disease. Dysphagia Research Society. March, 2023. San Francisco, CA.
36. Sevitz, J.S., Elkarif, S.P., Troche, M.S. Dysphagia in Parkinson's disease: A mixed methods study on patient perspectives. Dysphagia Research Society. March, 2023. San Francisco, CA.
37. Sevitz, J.S., Quinn, L., Dakin, A.E., Lowell, E.R., Elkarif, S.P., MacPherson, C.E., Troche, M.S. Patient-reported experience of an interdisciplinary telehealth model to rehabilitate airway protection in neurodegenerative disease. Dysphagia Research Society. March, 2023. San Francisco, CA.
38. Troche, M.S., & Curtis, J.A. Novel Approaches for Cough and Swallowing Rehabilitation in Parkinson's Disease: Emerging Evidence from Clinical Trials. Oral seminar at American-Speech-Language-Hearing Association Convention. November 2022: New Orleans, LA.
39. Dakin, A. E., Hegland, K.W., & Troche, M. S. Examining the Relationship Between Change in Maximal Expiratory Pressure and Change in Reflex Cough After Strength or Skill Training. Oral presentation at Dysphagia Research Society, March 2022. Virtual Conference.
40. Borders, J.C. & Troche, M.S. Effects of Expiratory Muscle Strength Training on Cough Peak Flow: A Meta-Analysis. Poster presentation at Dysphagia Research Society, March 2022.
41. Dakin, A. E., Sevitz, J.S., Curtis, J.C., Perry, S. E., Hegland, K.W., & Troche, M. S. Treatment Adherence during a Randomized Controlled Trial of Two Airway Protection Rehabilitation Interventions. Poster presentation at Dysphagia Research Society, March 2022. Virtual Conference.
42. Curtis, J.A., Borders, J.C., Kiefer, B., Huber, J., Troche, M.S. *Influence of Swallowing Condition on Respiratory-Swallow Coordination in Parkinson's Disease: A Prospective Cohort Study*. Oral presentation at Dysphagia Research Society, March 2022. Virtual Conference.
43. Curtis, J. A., Borders, J.C., Dakin, A. E., & Troche, M.S. *Relationship Between Person-Specific Factors and Respiratory-Swallow Coordination in Parkinson's Disease: A Cross-Sectional Analysis*. Poster presentation at Dysphagia Research Society, March 2022. Virtual Conference.
44. Curtis, J. A., Borders, J.C., Dakin, A. E., & Troche, M.S. *Exploring Relationships Between Auditory-Perceptual, Acoustic, and Endoscopic Measures of Cough in Healthy and Dysphagic Adults*. Poster presentation at Dysphagia Research Society, March 2022. Virtual Conference.
45. Sevitz, J.S., Perry, S.E., Borders, J.C., Dakin, A.E., Troche, M.S. *The relationship between lingual strength and functional swallowing outcomes in Parkinson's disease*. Oral Presentation at Dysphagia Research Society Annual Meeting. March 2022. Virtual Conference.

46. Sevitz, J.S., Borders, J.B., Dakin, A.E., Kiefer, B.R., Alcalay, R., Kuo, S., Troche, M. Airway Protective Treatments in Neurodegenerative Disease via Telehealth: Feasibility and Clinical Effect. Poster presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
47. Troche, M.S., Curtis, J.A., Dakin, A.E., Sevitz, J.S., Borders, J.C., Perry, S.E., Vanegas-Arroyave, N., & Hegland, K.W. Sensorimotor Training for Airway Protection (smTAP) versus Expiratory Muscle Strength Training (EMST) to rehabilitate cough in Parkinson's disease: A clinical trial. Oral presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
48. Curtis, J. A., Borders, J.C., & Troche, M. S. Visual Analysis of Swallowing Efficiency and Safety (VASES): Establishing Criterion-Referenced Validity and Concurrent Validity. Oral presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
49. Curtis, J. A., Borders, J.C., Dakin, A. E., & Troche, M. S. Reliability of Auditory-Perceptual Cough Assessment Amongst Novice Clinicians. Poster presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
50. Borders, J. C., Hegland, K. W., & Troche, M. S. Motor performance during cough rehabilitation in Parkinson's disease. Oral presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
51. Borders, J. C., Grande, A. A., & Troche, M. S. Betrayed by aggregation: Maximum penetration-aspiration scale scores reduce statistical power and bias effect size estimates. Oral presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
52. Dakin, A. E., Borders, J.C., Curtis, J.A., Hegland, K.W., & Troche, M. S. Does Change in Maximal Expiratory Pressure Predict Change in Cough Airflow After Training? A Secondary Analysis of a Randomized Controlled Trial. Oral presentation at the European Society for Swallowing Disorders Conference, November 2021. Virtual Conference.
53. Sevitz, J.S., Perry, S.E., Kuo, S.H., Troche, M.S. Characterizing cough and swallowing outcomes in cerebellar ataxias. Poster presentation. 8th Annual Ataxia Investigator's Meeting (AIM), May 2021, Virtual Conference.
54. Borders, J. C. & Troche, M. S. Statistical power and swallowing rehabilitation research: Current landscape and next steps. Poster presented at the Dysphagia Research Society's Annual Meeting, March 2021. Virtual Conference.
55. Borders, J. C., Curtis, J. A., & Troche, M. S. Is there a recency effect during visuoperceptual FEES analysis? Poster presented at the Dysphagia Research Society's Annual Meeting, March 2021. Virtual Conference.
56. Sevitz, J.S., Borders, J.C., Dakin, A.E., Troche, M.S. Feasibility of Device-driven Treatment Approaches for Airway Protective Deficits via Telehealth. Oral presentation at the 29th Annual Dysphagia Research Society. March 2021. Virtual Conference.
57. Curtis, J.A., Kiefer, B., Huber J., Molfenter, S., Troche, M.S. *Respiratory-Swallow Training and Its Effects on Swallowing Outcomes in Parkinson's Disease: A Prospective Cohort Treatment Study*. Oral presentation at the 29th Annual Dysphagia Research Society. March 2021. Virtual Conference.
58. Curtis, J.A., Borders, J.C., Dakin, A.E., Troche, M.S. *The Role of Aspiration Amount on Airway Protective Response in People with Neurogenic Dysphagia*. Oral presentation at the 29th Annual Dysphagia Research Society. March 2021. Virtual Conference.
59. Curtis, J.A., Kiefer, B., Troche, M.S. *Examining the Influence of Respiratory-Swallow Coordination on Penetration-Aspiration in Parkinson's Disease: A Prospective Cohort Treatment Study*. Poster presentation at the 29th Annual Dysphagia Research Society. March 2021. Virtual Conference.
60. Curtis, J.A., Borders, J.C., *Tritter, A., Troche, M.S. (April 2021). *Examining the Relationships Between Subjective Ratings and Objective Measures of Vocal Fold Bowing During Flexible Laryngoscopy*. Poster session at the Triological Society's 123rd Annual Meeting at COSM. Virtual Conference.

61. *Tritter, A., Curtis, J.A., Borders, J.C., Troche, M.S. (April 2021). *Characterizing Vocal Fold Bowing and Its Effects on Cough and Swallowing Function in Cerebellar Ataxia*. Poster session at the Triological Society's 123rd Annual Meeting at COSM. Virtual Conference.
62. 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.
63. Sevitz, J.S.* & Troche, M.S. The role of cough in dysphagia management. Poster presentation at SASLHA Virtual Conference 2020, November 2020.
64. 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. Virtual Conference.
65. 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. Virtual Conference.
66. 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.
67. Borders, J. C.* & Troche, M. S. Voluntary cough variability and airway invasion in Parkinson's Disease. Poster presentation at the European Society for Swallowing Disorders Conference, October 2020. Virtual Conference.
68. 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. Poster presentation at the 10th Annual European Society of Swallowing Disorders (ESSD), Virtual Conference.
69. 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. Poster presentation at the 10th Annual European Society of Swallowing Disorders (ESSD), Virtual Conference.
70. Perry, S.*, Kuo, S-H., Troche, M.S. The effect of dual tasking on cough sensorimotor outcomes in people with spinocerebellar ataxias. Poster presentation at the National Ataxia Foundation 2020 Ataxia Investigators Meeting in Denver, CO.
71. Sevitz, J.*, Perry, S.E.*, Kuo, S-H., Dakin, A.*, Troche, M.S. Characterizing Cough and Swallowing Outcomes in Cerebellar Ataxia. Poster presentation at the National Ataxia Foundation 2020 Ataxia Investigators Meeting in Denver, CO.
72. 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.
73. 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 presentation at the 2020 Motor Speech Conference, Santa Barbara, CA.
74. 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. Presentation at COSM 2020, Atlanta, GA.
75. 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.

76. Curtis, J.A., Dakin, A.E., Seikaly, Z., Troche, M.S. Respiratory-Swallow Coordination in Parkinson's Disease: Comparing Held and Non-Held Swallows. Oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
77. 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. Oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
78. 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. Oral presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
79. 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. Poster presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
80. Curtis, J.A., Laus, J., Schneider, S.L., Troche, M.S. Bulbar Strength and its Relationship to Swallowing Kinematics in Dysphagic Patients. Poster presentation at the 28th Annual Dysphagia Research Society, San Juan, Puerto Rico.
81. 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.
82. Troche, M.S., Perry, S.E., Hutcheson, K., Plowman, E., Sapienza, C.S., Curtis, J.C., Dakin, A., & Seikaly, Z. Respiratory Muscle Strength Training: Grand Rounds (Seminar 2-hours). Presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
83. Noorani, M., Krasko, M., Perry, S.E., & Troche, M.S. Comparing performance of people with Parkinson's disease to norms on Clinical Swallowing screening tools (poster). Presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
84. Dakin, A.E., Curtis, J.C., Perry, S.E. & Troche, M.S. Expiratory Muscle Strength Training in Ataxia: A Case Series (Technical Research). Presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
85. 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). Presentation at the American Speech Language Hearing Association Convention. November 2019: Orlando, FL.
86. *Silverio, K., *Curtis, J.C., & Troche, M.S. Resonance Tube Phonation Therapy in Parkinson's disease: a pilot study. Presentation at Voice Foundation. June 2019: Philadelphia, PA.
87. *Yiu Y, *Curtis J.A., *Perry S.E. & Troche M.S. 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.
88. *Yiu Y, *Curtis J.A., *Perry S.E., Troche M.S. 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.
89. *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.
90. *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.
91. *Curtis JA, Troche M.S.. 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.

92. *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.
93. *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.
94. *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; San Diego, U.S.A.
95. *Thomas, P., Burnip, E., Troche, M.S., Huckabee, M-L. (2018). *Prolonging Swallowing and Quality of Life in Motor Neuron Disease Through Skill Training – A Preliminary Study*. Presented at Biomouth 2018; Christchurch, New Zealand.
96. Troche, M.S., *Perry, S.E., *Curtis, J.A., *Sevitz, J. Hegland, K.W., & Kazanjian, M. Management of cough dysfunction in the patient with dysphagia: review of complex cases. Presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
97. Troche, M.S., *Perry, S.E., *Rajappa, A., *Curtis, J.A., *Sevitz, J.S., & *Thomas, P. Tools for guiding clinical decision-making in neurogenic dysphagia: Grand Rounds. Presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
98. *Curtis, J.A., Troche, M.S., Laus, J., Langenstein, J., & Schneider, S. Presentation at the American Speech Language Hearing Association Convention. November 2018: Boston, MA.
99. *Curtis, J.A., & Troche, M.S. Handheld assessment of cough airflow and sensation in Parkinson's disease. Presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
100. Rajappa, A., & Troche M.S. Identifying the best descriptor for cough sensation in healthy young adults. Presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
101. Perry, S. E. & Troche, M.S. Dual tasking influences cough sensorimotor outcomes in healthy young adults. Presentation at the Annual Meeting of the International Society for the Advancement of Respiratory Psychophysiology. October 2018: Gainesville, FL.
102. *Perry, S.E., *Sevitz, J.S., *Curtis, J.A., & Troche, M.S. The influence of tongue strength on oral bolus preparation, swallowing efficiency, and airway invasion in Parkinson's disease. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
103. *Perry, S.E. & Troche, M.S. Attentional resource allocation and cough reflex sensitivity in healthy young individuals. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
104. *Curtis, J.A., *Perry, S.E., & 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). Presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
105. Hegland, K.W., *Brandimore, A.E., & Troche, M.S. Relationship between reflex cough and swallow timing in Parkinson's disease. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2018: Baltimore, MD.
106. *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. Presentation at the American Speech Language Hearing Association Convention. November 2017: Los Angeles, CA.
107. 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. Presentation at the Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine. September 2017: Montreal, Quebec, Canada.

108. *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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2017: Portland, OR.
109. *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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2017: Portland, OR.
110. 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). Presentation at the International Dysphagia Research Society's Annual Meeting. March 2017: Portland, OR.
111. *Sevitz, J.S., *Brandimore, A.E., *Koehler, G., *Sung, K., & Troche, M.S. Feasibility of Cough Screening in Neurogenic Populations. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
112. *Mishra, A., *Exarchakis, M., & Troche, M.S. Beyond Compensatory Strategies for the Treatment of Dysphagia and Dystussia in Children with Cerebral Palsy. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
113. *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. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
114. *Valenti, M., Troche, M.S., *Dornish, S., & Hegland, K.W. Oropharyngeal Swallowing in Parkinson's Disease: a Retrospective Comparison of Longitudinal Swallowing Function. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
115. *Dornish, S., Troche, M.S., & Hegland, K.W. Oropharyngeal Swallowing in the Parkinsonian Syndromes: a Retrospective Description & Comparison. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
116. *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. Presentation at the American Speech Language Hearing Association Convention. November 2016: Philadelphia, PA.
117. 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. Presentation at the 20th International Congress of Parkinson's disease and Movement Disorders. June 2016: Berlin, Germany.
118. Troche, M.S., *Brandimore, A.E., *Schumann, B., Okun, M.S., & Hegland, K.W. Clinical Predictors of Airway Protective Dysfunction in Parkinson's Disease. Presentation at the 20th International Congress of Parkinson's disease and Movement Disorders. June 2016: Berlin, Germany.
119. *Hazamy, A.A., Altmann, L.P.J., Bowers, D., Troche, M., & Cowles, W. Emotional Sentence Production in Parkinson's disease. Presentation at Cognitive Aging Conference. April 2016: Atlanta, GA.
120. Troche, M.S., *Brandimore, A.E., *Schumann, B., & Hegland, K.W. Clinical Predictors of Airway Protective Dysfunction in Parkinson's Disease. Presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.
121. *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. Presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.
122. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. February 2016: Tucson, AZ.

123. Troche, M.S., Hoffman-Ruddy, B., Gartner-Schmidt, J., Jones, H. & Sapienza, C.M. Grand Rounds: Respiratory Muscle Strength Training. Presentation at the American Speech Language Hearing Association Annual Convention. November 2015: Denver, CO.
124. Troche, M.S., Hegland, K.W., *Brandimore, A.E., & *Schumann, B. Urge-to-cough as a clinical predictor of dysphagia in Parkinson's disease. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
125. Hegland, K.W., Troche, M.S., & *Brandimore, A.E. Magnitude estimation of respiratory resistive loads in Parkinson's disease. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
126. *Brandimore, A.E., Troche, M.S., & Hegland, K.W. The influence of age on perception of the urge-to-cough in healthy older adults. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. October 2015: Sevilla, Spain.
127. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
128. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
129. *Brandimore, A.E., Troche, M.S., & Hegland, K.W. The influence of lung volume and urge-to-cough on reflex cough effectiveness. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2015: Chicago, IL.
130. *Hazamy, A., Altmann, L.P.J., Troche, M.S., Cowles, W., & Bowers, D. Emotional sentence processing in persons with Parkinson's disease. Presentation at the International Neuropsychological Society Meeting. February 2015: Denver, CO.
131. 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. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New Brunswick, NJ.
132. 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. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New Brunswick, NJ.
133. *Brandimore, A.E., Troche, M.S., Davenport, P.W., & Hegland, K.W. Respiratory kinematics of reflex and voluntary cough in healthy adults. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2014: New Brunswick, NJ.
134. 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. Presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
135. 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. Presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
136. *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. Presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
137. *Laciuga, H., Troche, M.S., Sapienza, C.S., & Hegland, K.W. Functional outcomes associated with expiratory muscle strength training (EMST). Presentation at the American Speech Language Hearing Association Convention. November 2014: Orlando, FL.
138. Troche, M.S., Davenport, P.W., Okun, M.S., & Hegland, K.W. Urge to cough and aspiration in

Parkinson's disease. Presentation at the Annual Translational Science Meeting. April 2014: Washington D.C.

139. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
140. Troche, M.S., *Brandimore, A.E., Okun, M.S., Davenport, P.W., & Hegland, K.W. Reflex cough sensitivity in Parkinson's disease and dysphagia. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
141. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
142. *Brandimore, A.E., Hegland, K.W., & Troche, M.S. Peak expiratory flow in Parkinson's disease. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2014: Nashville, TN.
143. 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. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2013: Leuven, Belgium.
144. 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. Presentation at the Annual Meeting for the International Society for the Advancement of Respiratory Psychophysiology. September 2013: Leuven, Belgium.
145. *Laciuga, H., *Brandimore, A., Troche, M.S., & Hegland, K.W. The Analysis of Clinicians Perceptual Cough Evaluation. Presentation at the American Speech-Language and Hearing Association Annual Convention. November 2013: Chicago, IL.
146. *Berman, J., Hegland, K.W., Okun, M.S., & Troche, M.S. Comparing Voluntary & Reflex Cough in Parkinson's Disease. Presentation at the American Speech-Language and Hearing Association Annual Convention. November 2013: Chicago, IL.
147. Troche, M.S., Hegland, K.W., *Berman, J., Okun, M.S., & Davenport, P.W. Urge to cough and airway protection in Parkinson's disease. Presentation at the American Cough Conference. June 2013: NYC.
148. Hegland, K.W., Troche, M.S., & Okun, M.S. Sequential cough in Parkinson's disease. Presentation at the American Cough Conference. June 2013: NYC.
149. Troche, M.S. & Hegland, K.W. A tutorial on airway protection deficits for the dysphagia specialist. Presentation at the World Congress for the International Association of Logopedics and Phoniatrics. August 2013: Torino, Italy.
150. Troche, M.S. & Hegland, K.W. Swallow-respiratory relationships and the impact on dysphagia management. Presentation at the World Congress for the International Association of Logopedics and Phoniatrics. August 2013: Torino, Italy.
151. Troche, M.S., Hegland, K.W., Okun, M.S., & Davenport, P.W. Swallowing dysfunction and breathing effort in Parkinson's disease. Presentation at the Annual Translational Science Meeting. April 2013: Washington D.C.
152. Troche, M.S., Hegland, K.W., *Johnson, A.E., Okun, M.S., & Davenport, P. Assessing dyspnea in patients with dysphagia and Parkinson's disease. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2013: Seattle, WA.
153. 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. Presentation at the International Dysphagia Research Society's Annual Meeting. March 2013: Seattle, WA.
154. Troche, M.S. & Hegland, K.W. Dyspnea and quality of life associated with dysphagia in Parkinson's disease. Presentation at the International Society for the Advancement of Respiratory Psychophysiology

(ISARP). September 2012: Orlando, FL.

155. Hegland, K.W. & Troche, M.S. Dyspnea and quantitative measures of dysphagia in Parkinson's disease. Presentation at the International Society for the Advancement of Respiratory Psychophysiology (ISARP). September 2012: Orlando, FL
156. Troche, M.S., Hegland, K.M., & *Johnson, A.C. Cough function pre/post DBS in Parkinson's disease: a case series. Presentation at The Fall Voice Conference. October 2012: New York, NY.
157. Hegland, K.M., Troche, M.S., & Davenport, P.W. Relationship between total expired air, peak airflow, and cough number in down-regulated reflex cough. Presentation at The Fall Voice Conference. October 2012: New York, NY.
158. Troche, M.S., Wheeler, K.M., & Pitts, T.E. Airway protection deficits for the SLP: Cough and Swallowing. Presentation as Short Course at American Speech Language Hearing Association Convention. November 2012: Atlanta, GA.
159. 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. Presentation at international Dysphagia Research Symposium March 2012: Toronto, Canada.
160. *Johnson, A., Foote, K.D., Okun, M.S., & Troche M.S. Swallowing function pre/post DBS in Parkinson's disease: a case series. Presentation at international Dysphagia Research Symposium March 2012: Toronto, Canada.
161. 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. Presentation at Sixteenth Biennial Conference on Motor Speech: Santa Rosa, CA.
162. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Swallowing and breathing related outcomes following detraining in EMST. Oral presentation at international Dysphagia Research Symposium March 2011: San Antonio, TX.
163. Troche, M.S., Jones, H., Rosenbek, J.C. & Fernandez, H.F. Contribution of Non-Motor Dysfunction on Swallowing in PD. Poster presentation at international Dysphagia Research Symposium March 2011: San Antonio, TX.
164. Hieber, B., Troche, M.S., & Wheeler-Hegland, K. Expiratory Muscle Strength Treatment for Dysphagia Following Treatment for Head and Neck Cancer: A case report. Presentation Maryland State Speech and Hearing Convention.
165. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Detraining and EMST in Parkinson's Disease. Presentation at AD/PD March 2011: Barcelona, Spain.
166. Troche, M.S., Rosenbek, J.C., Okun, M.S., & Sapienza, C.M. Swallowing related quality of life and EMST in Parkinson's Disease. Presentation at American Academy of Neurology April 2011: Hawaii.
167. 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. Presentation at AD/PD March 2011: Barcelona, Spain.
168. Troche, J., Troche, M.S., Berkowitz, R., Grossman, M., & Reilly, J. Tone discrimination as a window into acoustic perceptual deficits in Parkinson's disease. Presentation October 2010: Greece.
169. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Oral presentation at Integrative Neural Systems Underlying Vital Aerodigestive Tract Functions Conference. June 2010: Madison, WI.
170. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Presentation at 14th International Congress of PD and Movement Disorders. June 2010: Buenos Aires, Argentina.

171. Troche, M.S., Rosenbek, J.C., Altmann, L.J.P., Okun, M.S., & Sapienza, C.M. Attentional Resource Allocation and Swallow Function in PD. Presentation at 2010 Dysphagia Research Society Conference. March 2010: San Diego, CA.
172. 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. Presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
173. 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. Presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
174. 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. Presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
175. 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. Presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
176. 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. Presentation at 2009 13th International Congress of PD and Movement Disorders. June 2009: Paris, France.
177. 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. Presentation at 2009 Dysphagia Research Symposium. March 2009: New Orleans, LA.
178. Troche, M.S., Huebner, I., Rosenbek, J.C., Fernandez, H., & Sapienza, C.M. Examining Timing and Safety of Swallow in Progressive Supranuclear Palsy (PSP). Presentation at 2008 American Speech-Language-Hearing (ASHA) Convention. November 2008: Chicago, IL.
179. Sapienza, C.M. & Troche, M.S. Respiratory Muscle Strength Training as a Rehabilitation Program. Presentation at Choice for Voice. July 2008: London, England.
180. 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. Presentation at the Movement Disorders Society International Congress. June 2008: Chicago, IL.
181. 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. Presentation at the American VA Speech Language Pathology Conference in Arizona. April 2008: Arizona.
182. 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. Presentation at The International Ataxia-Telangiectasia Workshop 2008. 2008: Japan.
183. Troche, M.S., Altmann, L.J.P., Rosenbek, J.C., & Sapienza, C.M. Exploring sentence production in PD: Effects of conceptual and task complexity. Presentation at 2008 Clinical Aphasiology Conference. May 2008: Jackson Hole, WY.

184. Troche, M.S., Altmann, L.J.P., Hudson, L., Wallace, K. & Sapienza, C.M. Conceptual complexity interferes with language production in Parkinson's disease. Presentation at 2008 Cognitive Aging Conference. April 2008: Atlanta, GA.
185. 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. Presentation at 2008 Dysphagia Rehabilitation Symposium (DRS). March 2008: Charleston, SC.
186. 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. Presentation at Dysphagia Research Symposium. March 2008: Charleston, SC.
187. 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. Presentation at 2008 Motor Speech Conference. March 2008: Monterrey, CA.
188. 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. Presentation at 2008 Motor Speech Conference. March 2008: Monterrey, CA.
189. 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. Presentation at 2008 International Neuropsychological Society Meeting. February 2008: Hawaii.
190. Troche, M.S., Rosenbek, J.C., & Sapienza, C.M. Physiological and Cognitive Predictors of SWAL-QOL in Parkinson's disease. Poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
191. Hieber, B., Troche, M.S., & Musson, N. Combined Treatments for Dysphagia: A Case Study. Poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
192. Pitts, T.E., Bolser, D., Rosenbek, J., Troche, M., Sapienza, C.M. Voluntary Cough in Patients with PD. Poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
193. Wingate, J.M., Troche, M., Huebner, I. The Effect of Expiratory Muscle strength training with choral singers. Poster presentation at 2007 American Speech-Language-Hearing (ASHA) Convention. November 2007: Boston, MA.
194. 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. *Platform Presentation at 2006 American Speech-Language-Hearing (ASHA) Convention; November 2006.*
195. 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.* Poster Presentation at 2005 American Speech-Language-Hearing (ASHA) Convention and published in *SpeechPathology.com* in September 2006.
196. 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.

REVIEWING & EDITORIAL EXPERIENCE

JOURNAL EDITORIAL EXPERIENCE

<i>Journal of Speech, Language and Hearing Research</i> - Speech Section – Editor	January 2022 - present
<i>American Journal of Speech-Language Pathology</i> , Editorial Board	January 2017 – 2020
<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

ADDITIONAL JOURNAL AD-HOC REVIEWING

Dysphagia; American Journal of Speech-Language Pathology; Journal of Speech, Language, and Hearing Research; Clinical Neurology and Neurosurgery; European Radiology; Annals of Otolaryngology, Rhinology & Laryngology; PLOS ONE; Seminars in Speech and Language; International Journal of Language & Communications Disorders; Clinical Otolaryngology; Neurology, Movement Disorders; Parkinsonism and Related Disorders; Archives of Physical Medicine; Brain & Behavior; International Journal of Speech-Language Pathology; Journal of Parkinson's disease; Frontiers.

GRANT REVIEWING

NIH Motor Function, Speech and Rehabilitation Study Section	October 2023
Parkinson's Foundation Post-Doctoral and Research Award	May 2021, 2022
ASHA Students Preparing for Academic & Research Careers (SPARC) Award	July 2015

OTHER REVIEWING

ASHA e-workshops on Dysarthria Assessment and Treatment Reviewer	July 2014, September 2014
External reviewer for theses <i>University of Canterbury, New Zealand</i>	June 2012, December 2012
Dysphagia Research Society (DRS) Abstract Committee	2011

COURSE TEACHING EXPERIENCE

Teachers College, Columbia University:

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

Applied Movement Disorders
Voice Disorders
Bootcamp for the SLP student
Motor Speech Disorders

Summer 2012 through Fall 2014
Fall 2012
Fall 2012 through Fall 2014
Fall 2014

UNIVERSITY & COLLEGE SERVICE

Teachers College, Columbia University

Academic Personnel Sub-Committee, Faculty Executive Committee, Teachers College, Columbia University
Fall 2024 - present

Search Committee for Tenure Track faculty in Literacy, Co-Chair, Teachers College, Columbia University
Summer 2024 –present

Search Committee for Tenure Track faculty in Adult Lang. Dis., Co-Chair, Teachers College, Columbia University
Summer 2022 –Spring 2024

Search Committee for Tenure Track faculty in Voice Disorders, Co-Chair, Teachers College, Columbia University
Summer 2022 – Spring 2023

Faculty Advisory Council, Teachers College, Columbia University
Fall 2021 - present

Standing Committee on the Appointment to Tenure, Alternate Member, Teachers College Columbia University
Fall 2021 - present

Search Committee, Member, Teachers College, Columbia University
Summer 2021 – Spring 2022

Provosts Advisory Council, Teachers College, Columbia University
Summer 2020 - 2022

Program Director, Program in Communication Sciences and Disorders, Teachers College, Columbia University
Summer 2020 - present

Program Adjacencies Committee, Teachers College, Columbia University
Fall 2020 - 2022

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 – Spring 2020

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:

Katya Villarreal – current; Teachers College, Columbia University
Emilie Lowell – current; Teachers College, Columbia University
Kelly Veit – current; Teachers College, Columbia University
Jordanna Sevit – graduated December 2023; Teachers College, Columbia University
James Borders – graduated June 2023; 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
E.T. Jacques - fourth reader, graduated 2021, Teachers College, Columbia University
Kirsten Brown – fourth reader, graduated 2021, Teachers College, Columbia University
Marion Leaman – committee member, graduated 2020, Teachers College, Columbia University
Carrie Russo – fourth reader, graduated 2019, 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:

Jordanna Sevitz, PhD – Teachers College, Columbia University, January 2024 - present

James Borders, PhD – Teachers College, Columbia University, July 2023 - present

Justine Dallal-York, PhD – Teachers College, Columbia University, January 2023 – present

James Curtis, PhD –Teachers College, Columbia University, October 2020 – September 2022

Sarah Perry, PhD – Teachers College, Columbia University, August 2016 – May 2020

Alexandra Brandimore, PhD - Teachers College, Columbia University, 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 Researcher), 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

Sofia Nava September 2024 – August 2025

Kelly Veit March 2023 – January 2024

Brianna Kiefer September 2020 – July 2021

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 and Post-doctoral Fellow)

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)

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 and Post-doctoral Fellow)

- 2022 1st place poster award, Dysphagia Research Society Annual Meeting
- 2022 CAPCSD Doctoral Scholarship
- 2021 New Century Scholars Doctoral Scholarship - ASHFoundation
- 2020 Dysphagia Research Society: 1st Place Scientific Abstract Oral Presentation (2020)
- 2020 Dysphagia Research Society: Springer Publishing Junior Investigator Travel Grant (2020)

Avery Dakin (Doctoral Student)

- 2023 Deans Grant for Student Research
- 2022 Provost's Grant for Conference Presentation and Professional Development

Jordanna Sevit (Doctoral Student and Post-doctoral Fellow)

- 2022 New Century Scholars Doctoral Scholarship - ASHFoundation

Sarah Perry (Post-Doctoral Fellow)

- 2019 National Ataxia Foundation Young Investigator Award
- 2018 ASHFoundation 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