

**GISELLE D. CARNABY*****Personal Data***

**Current Position:** Professor  
School of Communication Sciences & Disorders  
College of Health Professions & Sciences  
University of Central Florida

Professor  
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***Education & Training***

1999: PhD: Speech Pathology /Public Health, Curtin University of Technology, Western Australia.

1996: M.P.H: Public Health, Curtin University of Technology, Western Australia

1993: P.Grad Dip (HSc): Public Health, Curtin University of Technology, Western Australia

1986: BSc: Speech Pathology; Curtin University of Technology, Western Australia

***Honors and Awards***

EOT :Essentials of online teaching- quality course designation

ASHA Honors of the Association” (2020) Florida

“Technology Innovator Award” (2015)

Nominated: ASHA Vice President for Science & Research (2015)

Nominated Candidate for Florida for “ASHA “DiCarlo Award” for SLP clinical excellence (2014)

University of Florida “Technology Innovator Award” (2014)

American Speech Language and Hearing Association (ASHA) Research Mentoring (ARM) Network- “Pathways” mentor (2014)

Dysphagia Research Society, Oral Presentation Award (2014)

Florida Speech Language & Hearing Association [FLASHA]-“Clinician of the Year” (2013)

ASHA -Fellow of the Association (2012)

University of Florida, College of Public Health & Health Professions, Faculty Incentive Award: Outstanding Research Contributions (2012).

University of Florida, College of Public Health & Health Professions, Faculty Incentive Award  
University of Florida, College of Public Health & Health Professions Outstanding Teaching Contributions (2012).

Head and Neck Cancer Alliance, Investigator Award (2012)

University of Florida, Public Health & Health Professions, Deans Paper Citation Award (2011-2012)

Dysphagia Research Society Yul Brenner Award (2010).

University of Florida, College of Public Health & Health Professions, Faculty Incentive Award: Outstanding Research Contributions (2010).

American Cancer Society: Lifetime American Cancer Society Research Scholar (2006).

Dysphagia Research Society New Investigator award (2003)

ASHA special interest Division 13 / Swallowing and swallowing disorders New Investigator award (2001)

Curtin University, "Mark Liverist Health Sciences Research Seminar" Certificate of Research Excellence (1998)

Curtin University "Teaching Assistant Scholarship" (1997)

Australian Brain Foundation, "Geoff Blee Award" -Excellence in Research (1996)

Stroke Society of Australasia, "Peter Bladin Award" -Young Investigator of the Year" (1996)

Australian Association of Speech & Hearing-Recognition of Service Award For excellence in clinical research. (1996)

Australian Brain Foundation "Young Investigators Award (1995)

### *Professional Experience*

**Professor & Director (tenured): Center for Upper Aerodigestive Functions**, School of Communicative Sciences and Disorders, College of Health Professions and Sciences. University of Central Florida, USA, August 2018 -present

**Professor (Tenured):** Department of Internal Medicine, College of Medicine, University of Central Florida, USA, Sept 2015- Present.

**Professor (Tenured):** School of Communicative Sciences and Disorders, College of Health & Public Affairs, University of Central Florida, USA, August 2015 - 2018

**Director PhD Public Health** - Department of Behavioral Science & Community Health, University of Florida, USA, 2008- July 2015.

**Associate Professor (Tenured):** Department of Behavioral Science & Community Health, University of Florida, USA, 2008 - 2015

**Research Associate Scientist:** Department of Behavioral Science & Community Health, University of Florida, USA, 2006-2008

**Assistant Research Scientist:** Department of Psychiatry, University of Florida, USA, 2004-06

**Assistant Research Scientist:** Department of Communicative Disorders, University of Florida, USA 2003-04

**Visiting Assistant Professor:** Department of Communicative Disorders, University of Florida USA 2000-2003

**Specialist Consultant Dysphagia & Voice:** Hollywood Private Hospital, Western Australia; 1999-2000

**Associate Research Fellow:** Royal Perth Hospital, Western Australia, Stroke Unit /Neurology; 1999-2000

**Part Time lecturer:** Curtin University Western Australia, School of Speech & Hearing Science; 1998-2000

**Clinical Supervisor and lecturer:** Curtin University, School of Speech & Hearing Science, Western Australia; 1995-1998.

**Principal Investigator /Research Officer:** Royal Perth Hospital, Western Australia, Stroke Unit / Neurology -Project: “randomized controlled trial of dysphagia therapies”; 1996 – 98.

**Research Officer:** Royal Perth Hospital, Western Australia, Stroke Unit / Neurology - Participation in “Perth Community Stroke Project Follow up”; 1995 –

**Research Officer:** Royal Perth Hospital Stroke Unit / Neurology; **Project:** -“Australian Cooperative Subarachnoid Hemorrhage Study” [ACROSS] -Phlebotomy, recruitment, data collection, data coding and statistical support. 1995 –1997

**Research Officer:** Royal Perth Hospital, Western Australia, Neurology-Clinical trials Co-coordinator, (Streptokinase, ISAT, Perth Community Stroke trial), 1995-1997

**Principal Investigator / Research Officer:** Royal Perth Hospital, Western Australia, Stroke Unit / Neurology- Project " Dysphagia following acute stroke: incidence clinical features and prognosis"; 1994.

**Clinical Supervisor and Lecturer:** (Joint Hospital / University position); Curtin University, Western Australia; 1992-94.

**Lecturer in Otolaryngology & Swallowing Disorders:** Curtin University, Western Australia; 1989-92.

**Head of Speech Pathology Department:** Royal Perth Rehabilitation Hospital, Western Australia; 1993-94

**Senior Speech Pathologist:** Royal Perth Rehabilitation Hospital, Western Australia; 1992- 1993 – Neurology, Dysphagia / Voice Disorders Specialty

**Acting Head of Department/ Speech Pathology:** Royal Perth Hospital, Western Australia; 1990- 92.

**Speech Pathologist:** Royal Perth Hospital, Western Australia; 1988 – 1990 -Consultation and management, Neurology/ Neurosurgery/ ENT

**Speech Pathologist:** Royal Hobart Hospital, Tasmania, Australia, 1986-88

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### **Research Experience and Specialization**

**Research:** To date my research activities have been supported by grant awards from; the National Institutes of Health (NIDCD, NCI and NCMRR), the State of Florida, the American Cancer Society, Shands Hospital and the University of Florida along with other foundations. My laboratory includes undergraduate and graduate students and master's (from UCF) and doctoral (UF) and postdoctoral fellows, including international visiting scholars. I have maintained continuous external funding from more than thirty awarded grants since 1994. Research findings based on this work have been disseminated through presentations at national and international meetings, and publications in peer-reviewed scientific journals.

I have been honored as an invited national Mentor for the ASHA's Research Mentoring (ARM) Network "the Pathways" program. "Pathways" a research-mentoring program for early-career clinician scientists funded by NIH/

(U grant mechanism). I have served as an expert Grant reviewer for NIH/NINDS, NIH/NIDCD and Veteran Affairs Scientific Merit Committee. I also review grants from numerous International Health/Regulatory institutes. I serve as a Journal Editor, and manuscript/ statistical reviewer for leading scientific journals. Moreover, I regularly act as a proposal reviewer for national and international scientific meetings.

**Research Mentorship**

I have a long history of leading interdisciplinary scientific research teams that include senior and early stage investigators, post-doctoral fellows, medical residents and students, and clinical and research staff. I have extensive experience in developing a pipeline of successful careers of individuals throughout the workforce continuum as evident in my track record of successful mentees and my past appointments as Director of the UF-PhD Program in Public Health, UCF Chair of the PhD in Rehabilitation Science Development Committee, as a mentor for the ASHA NIDCD mentoring Programs. My mentees have a track record of success with career development and independent grant awards, including NIH/R21, R03, F31 and Foundation awards. Currently, I serve as Director of the UCF Centre for Upper Aerodigestive Functions that involves mentorship of students, and early stage investigators allowing me to interact with a diverse pool of trainees who are potential outstanding candidates for research collaborations.

**Area of Research Specialization**

My primary area of specialization is in swallowing rehabilitation and survivorship specifically, swallowing and swallowing related disorders for the populations of Head Neck Cancer and Stroke. My teaching assignments are directly related to my work in research methodologies and my research laboratory is actively examining themes in these areas including upper aerodigestive /swallowing neuro-regulation systems, prevention of morbidities, adherence to exercise, behavioral consequences of fear, pain and related behavioral response to exercise, psycho-social burden and cancer –related quality of life.

**Professional Activities****Affiliations (current)**

American Speech Language and Hearing Association  
Speech Pathology Australia  
Dysphagia Research Society  
Stroke Society of Australasia  
Florida Dysphagia Institute – Faculty  
American Heart Association (Stroke Council)  
American Cancer Society  
Graduate Faculty – Dept Speech Language & Hearing Science UF  
Moffit Cancer Center (member)  
University of Rochester Cancer Cooperative (member)  
American Head and Neck Society [AHNS]  
Graduate Faculty – College of Medicine/ UCF School of Comm Dis

**Professional Service**

<b>Agency</b>	<b>Position</b>	<b>Date</b>
Dysphagia Research Society	Member	2021
AHNS	Member	2020
FL Hospital Cancer Center	Member	2020
HRM working Sub-committee	DRS partnership & Knowledge subgroup	2020
Dysphagia Research Society	Member	2020
HRM working Sub-committee	DRS partnership & Knowledge subgroup	2019
Dysphagia Research Society	Member	2019
Dysphagia Research Society	Program Faculty member	2018
HRM working Sub-committee	DRS partnership & Knowledge subgroup	2017
FL Hosp Cancer Center	Member	2017
ESSD European Dysphagia	Scientific Review Committee	2017
World Dysphagia Summit	Committee on diagnostic tools	2017
Dysphagia Research Society	Program Faculty member	2017
Dysphagia Research Society	Post-Graduate Course Faculty	2016
UF Research & Graduate Programs	Graduate Faculty member-SLHS/PH	2015
Dysphagia Research Society	Post-Graduate Course faculty	2015
Moffit / UF Cancer Center	Faulty Member	2015
Dysphagia Research Society	Post-Graduate Course faculty	2014
Moffit / UF Cancer Center	Faculty member	2014
ASHA's Research Mentoring (ARM) Network	Invited Mentor	2014
Dysphagia Research Society	Post-Graduate Course faculty	2013
Dysphagia Research Society	Program committee	2012-13
University Rochester-CCOP	Invited Member	2011-12
Dysphagia Research Society	Program Faculty member	2011
Moffit / UF Cancer Center	Faculty Member	2010-2013
UF Research & Graduate Programs	Graduate Faculty member-SLHS	2010-2012
Dysphagia Research Society	Program committee	2010
UF Research & Graduate Programs	Graduate Faculty member-PH	2006-2012
UF Research & Graduate Programs	Graduate Faculty member RSD	2003-2012
Dysphagia Research Society	Council member	2005-2006
American Heart Association	Stroke Council Professional member	2003-2005
ASHA	Member	2003-2016
ASHA	International Associate Member	2001-2002
Florida Dysphagia Institute	Core Faculty Member	1998-2004
Dysphagia Research Society	Member	1998-2011
Speech Pathology Australia	Author-National Dysphagia Position Paper	1997-98
Speech Pathology Australia	Advisor-National Dysphagia Quality Assurance Project	1997-98
Dysphagia Interest Group (WA)	Chair	1993-93
Speech Pathology Australia	Dysphagia National Standards	1992-93
Speech Pathology Australia	Research Task group	1998-99
Australian Speech & Hearing Assoc	Minutes Secretary WA branch	1988-91
Tasmanian Speech & Hearing Assoc	Public Relations Committee	1986-87
Australian Speech & Hearing Assoc	Member	1986-99

**Research Consultation:**

**Funded Consultant:** Consultant /NIDCD grant “Treatment of Dysphagia using the Mendelssohn Maneuver” – Gary McCullough UAMS Medical Center, AR - \$USD 170, 241. (2003-07)

**Consultant** for M. Crary: NIH: NINDS K 23 Award Application (4/1/03 - 3/31/07) – (5%) “Dysphagia and Nutritional Status in Acute Stroke”, (2004).

**Funded Consultant (5%)** Dean’s grant- Neurology Shands/ UF. Jacksonville. Modification of the MASA for Stroke. Neurologists, (2005).

**Funded Consultant (5%)** NIH -RO1.” Prediction and preventions of post stroke complications. Institute for Clinical Research and Health Policy Studies”. Tufts New England Medical Center. Hinchey (PI) (2004-05)

**Invited Program Developer:** Governor J. Bush’s Legislative Initiative “Teen Suicide Prevention for Florida” (2005-06).

**Consultant** on Dysphagia Education and Research - Schwartz Pharmaceuticals (2003-06).

**Research Consultant,** “Development of an educational grants program in Dysphagia”, Encore Medical (Chattanooga group); Small Grants Program in Dysphagia. (2006-8)

**Consultant** – Research data review-pill formulation -Bayer Pharmaceuticals (2012)

**Consultant** – Accelerated care Plus- Synchrony sEMG (2017-)

**Research Consultancy –International**

**Consultant** -Grant application (5%), N. Clayton, A. Ing, G. Mann “Medical Advances without animals MAWA Trust “The effect of chronic obstructive pulmonary disease on laryngopharyngeal sensitivity and swallowing function” (2005)

**Consultant** - Stroke Canada Optimization of Rehabilitation by Evidence (SCORE) project: expert consensus panel meeting to develop National Best Practice Recommendations for Assessment of Risk of falls, depression, dysphagia, and skin breakdown for patients after Stroke. March 24- 26, Montreal (2004).

**Editorial Activities****Editorial Boards**

Associate Editor- Editorial Board of International Scholarly Research Network (ISRN) Stroke (2012-14) merged into International Scholarly Research Notices (2014-19)

Editorial Board member- Annals of Public Health and Research (2014-)

**Ad Hoc Reviewer: Journals**

Regular ad-hoc review has been provided for the following journals:

American Journal of Physical Medicine and Rehabilitation (6 reviews). 2012-2021.  
 Recent Patents in Regenerative Medicine (1 review). 2012.  
 Journal of Clinical Rehabilitation (5 reviews). 2011-2020.  
 Journal Gerontology (4 reviews). 2010-2021.  
 Laryngoscope (6 reviews). 2010-2021.  
 Journal of Otolaryngology Head/Neck Surgery (4 reviews). 2009-2021.  
 Annals of Otolaryngology (4 reviews). 2009-2015.  
 Journal of Rehab Research and Development (6 reviews). 2009-2010.  
 Clinical Interventions in Aging (1 review). 2009.  
 Expert Review of Neurotherapeutics (1 review). 2009.  
 Journal Reviewer for JRRD (6 reviews). 2008-2017.  
 Journal Reviewer for Clinical Neurology (2 reviews). 2007-2011.  
 Journal Reviewer for Head & Face Medicine (3 reviews). 2005-2011.  
 Archives of Phys, Med, Rehabilitation (17 reviews). 2004-2021.  
 Journal Reviewer for Neurology (9 reviews). 2003-2021.  
 Journal Reviewer for Dysphagia (30 reviews). 2001-2021.  
 Journal Reviewer for *Stroke-A Journal of Cerebral Circulation* (20 reviews). 1998-2021.  
 Journal Reviewer for Supportive Cancer Care (3 reviews). 2013-19  
 Journal Reviewer for Journal of Evidenced Based Dental Practice. (2 reviews) 2013-  
 Journal reviewer –Trials (2013-)  
 Western Journal of Nursing Research (2014-)  
 American Journal of Speech Language pathology (2014-2021)  
 Annals of Public Health (2014-)

	<b>2020-2021</b>	<b>2019-2020</b>	<b>2018-2019</b>	<b>2017-2018</b>	<b>2016-2017</b>	<b>2015-2016</b>	<b>2014-2015</b>
Total reviews performed	<b>7</b>	<b>8</b>	<b>10</b>	<b>16</b>	<b>18</b>	<b>16</b>	<b>10</b>



**Grant Reviewer:**

- VA Rehabilitation Research and Development Service (RR&D)- Scientific Merit Review Board- Jan/Feb 2021
- VA Rehabilitation Research and Development Service (RR&D)- Scientific Merit Review Board- Aug 2020
- VA Rehabilitation Research and Development Service (RR&D)- Scientific Merit Review Board- Jan/ Feb 2020
- National Institutes of Health [NIH/NINDS] – NST-2 Standing Committee reviewer 2018-Current
- Neurological Foundation of New Zealand [NFNZ]: Program Project Grants-2019
- National Institute for Health Research [NIHR / UK], Invention for Innovation (i4i) Program-2018
- Health Research Board (HRB) of Ireland (UK) Research Training Fellowship for Healthcare Professionals Grants Program (2016)
- National Institute of Health Research (NIHR- UK) Program Grants for Applied Research RP-PG (2015)
- National Institute for Health Research [NIHR / UK], Invention for Innovation (i4i) Program (2010-2014).
- American Cancer Society Chris DiMarco Institutional Research Grant (ACS-IRG) -2014
- Patient-Centered Outcomes Research Institute [PCORI] – Grant reviewer (2014)
- VHA –VA Rehabilitation Research & Development Service Career Development scientific review panel. CDA (2) (2014)
- Neurological Foundation of New Zealand [NFNZ]: Program Project Grants (2013)
- Australian National Health and Medical Research Council (NH&MRC)–Project / Program Grant Review (2013)
- Ministry of Health Italy (MOH), Program Grant (2012-13)
- Australian National Health and Medical Research Council (NH&MRC)–Project / Program Grant Review (2011-2012).
- National Institutes of Health [NIH / IRG (USA) – MCRR] - Invited Study Section Reviewer (2009)
- National Institute of Health Research (NIHR- UK) Program Grants for Applied Research RP-PG-0707-10022 (2008)
- Neurological Foundation of New Zealand [NFNZ]: Program Project Grants (2008)

**Publications****Total Author Publication/Citation Impact** (not complete due to name changes)

Author Names	#papers	Yrs	Total cites	H-Index	G-Index	Cites/yr	Cites/paper
G.Mann	72	20	3019	22	55	177.59	69.65
G.Carnaby	117	18	3357	29	57	197.47	28.69
G-Carnaby Mann	51	25	1370	15	35	88.14	72.11

\* *Harzing's Publish or Perish***Journal Articles -Peer Reviewed (n=104)**

\* First author is a doctoral or post-doctoral advisee of Dr Carnaby.

1. Carnaby G, Madhavan A, Barikroo A, Crary M. Change in Spontaneous Swallowing frequency in HNC patients undergoing C/RT. *Oto-Laryngol, Head Neck Surg.* 2021 Apr [In press]
2. Donohue C, Carnaby G, Garand KL. Critically appraising systematic reviews in the field of speech-language pathology: A how-to guide for clinician readers. *AJSLP* (Accepted for publication 02/18/2021)
3. Madhavan A, Sia I, Carnaby G, Crary M. A preliminary investigation of relationships among pharyngeal acidity, dysphagia and pneumonia in acute stroke. *OBM Geriatrics.*2021, 5(1)  
doi:10.21926/obm.geriatr.2101xxx (online in press)
4. \*Donohue C, Carnaby G, Colquhoun RJ, Lacomis D, Garand KL. Letter to the Editor Regarding: "Effects of exercise in patients with amyotrophic lateral sclerosis: A systematic review and meta-analysis". *American Journal of Physical Medicine & Rehabilitation.* 2020 Nov. DOI: 10.1097/phm.0000000000001656.
5. \*Im, I., Carnaby, G. D., Takahashi, N., Dungan, S., & Crary, M. A. (2020). Clinical Swallowing Profile Change in HNC Patients Treated with C/RT. *The Laryngoscope.*
6. Carnaby GD, Chhabria K. Preliminary development and validation of a measure of fear of swallowing and swallowing-related movement injury in head and neck cancer: Swallowing Kinesiophobia Scale. *Head & Neck.* 2020 Dec 2. <https://doi.org/10.1002/hed.26573>
7. \*Canidate, S, Cook, CL, Varma D, Ennis N, Carnaby G, Stetten, NE Cook RL. Recruitment, experience, and retention among women with HIV and hazardous drinking enrolled in the WHAT-IF? Study. *BMC Public Health.* 2020; 20: 1169 <https://doi.org/10.1186/s12889-020-09233-z>
8. Zimmerman E, Malandraki G, Carnaby G, Lazarus C. Motor Learning, Neuroplasticity, Strength and Skill Training: Moving from Compensation to Retraining in Behavioral Management of Dysphagia. *AJSLP* 2020. Jul 10. [https://doi.org/10.1044/2019\\_AJSLP-19-00088](https://doi.org/10.1044/2019_AJSLP-19-00088)
9. Carnaby G, LaGorio L, Silliman S, Crary MA. Exercise-based intervention (MDTP) with adjunctive NMES to treat dysphagia post stroke: a double-blind placebo-controlled trial. *J Oral Rehabil.* Dec 2019. doi.org/10.1111/joor.12928

10. \*Barikroo A, Hegland K, Carnaby G, Bolser D, Manini T, Crary M. Transcutaneous electrical stimulation on the submental area: The relations of biopsychological factors with maximum amplitude tolerance and perceived discomfort level. *Dysphagia*. 2019; 35: 301-307. doi: 10.1007/s00455-019-10029-6.

amplitude tolerance and perceived discomfort level. *Dysphagia*. 2019; 35: 301-307. doi: 10.1007/s00455-019-10029-6.

\*Dungan S, Gregorio D, Abrahams T, Harrison B, Abrahams J, Brocato D, Davis C, Espana E, Garcia R, Smith S, Taylor B, Higgins T, Daley L, Carnaby GD. Comparative Validity of ASHA\* NOMS, FOIS & G-Codes to MASA scores for dysphagia. *AJSLP* 2019, 28(2):424-429. doi: 10.1044/2018\_AJSLP-18-0072.

11. Carnaby G, Sia I, Crary M. Associations between spontaneous swallowing frequency at admission, dysphagia and stroke related outcomes in acute care. *Arch Phys Med Rehabil*. 2019 Jul; 100 (7): 1283-1288.
12. \*Sia I, Crary M, Kairalla J, Carnaby G, Sheplak M, McCullouch T. Derivation and Measurement Consistency of a Novel Biofluid Dynamics Measure of Deglutitive Bolus-Driving Function - Pharyngeal Swallowing Power. *Neurogastroenterology & Motility*. 2019, Jan;31(1):e13465.
13. \*Barikroo A, Hegland K, Carnaby G, Bolser D, Manini T, Crary M. The effects of electrical stimulation pulse duration on lingual palatal pressure measures during swallowing in healthy older adults. *Dysphagia*. 2019 Aug; 34(4): 529-539.
14. \*Im I, Jun JP, Crary MA, Carnaby GD, Hong KH. Longitudinal kinematic evaluation of pharyngeal swallowing impairment in thyroidectomy patients. *Dysphagia*. 2019 Apr;34(2):161-169.
15. \*Madhavan A, Carnaby GD, Chhabria K, Crary MA. Preliminary development of a screening tool for Pre-Clinical dysphagia in community dwelling older adults. *Geriatrics* (Basel). 2018 Dec 7;3(4). pii: E90. doi: 10.3390/geriatrics3040090
16. \*Sia I, Crary M, Kairalla J, Carnaby G, Sheplak M, McCullouch T. Bolus volume and viscosity effects on pharyngeal swallowing power-How physiological bolus accommodation affects bolus dynamics. *Neurogastroenterology & Motility*. 2018, Dec; 30(12): e13481.
17. \*Ihara Y, Crary MA, Madhavan A, Gregorio DC, Im I, Ross SE, Carnaby GD. Dysphagia and oral morbidities in chemoradiation- treated Head and Neck cancer patients. *Dysphagia*. 2018. 33(6):739-748.
18. \*Barikroo A, Carnaby G, Bolser D, Rosensky R, Crary M. Transcutaneous electrical stimulation on the anterior neck region: The impact of pulse duration and frequency on maximum amplitude tolerance and perceived discomfort. *J Oral Rehabil*. 2018 Jun;45(6):436-441. doi: 10.1111/joor.12625.
19. \*Chhabria KS, Carnaby GD. Psychometric validation of the Center for Epidemiological Studies

Depression Scale in Head and Neck Cancer Patients. *Oral Oncol* 2017, 75: 158-162.

20. \*Barikroo A, Carnaby GD, Crary MA. Electrical stimulation therapy for dysphagia: a follow-

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up survey of USA dysphagia practitioners *Int J Rehabil Res.* 2017 40(4):360-365.

21. \*Canidate SS, Carnaby GD, Cook CL, Cook RL. A systematic Review of Naltrexone for attenuating alcohol consumption in women with alcohol use disorders. *Alcohol Clin Exp Res.* 2017, Mar; 41 (3): 466-472.
22. Hoffman Ruddy B, \*Kuruppumullage N, Carnaby G, Crary M, Lehman J, Illegbusi O. Computational Modelling of Cough Function and Penetrant Behavior in Disorders of Laryngeal Function. *Laryngoscope Investigative Otolaryngology* 2017 Jan 31;2(1):23-29.
23. \* Barikroo A, Berretin-Felix G, Carnaby G, Crary MA. Effect of transcutaneous electrical stimulation (TES) amplitude on timing of swallow pressure peaks between healthy young and older adults. *Gerodontology.* 2017 Mar; 34 (1):24-32.
24. \*Nightingale, C., Wingard J, Pereira D, Curbow B, Carnaby, G. A Prospective Bio Psychosocial Investigation into Caregiving for Head and Neck Cancer Patients. *Biol Res Nurs.* 2017, Jan ; 19(1): 87-96.
25. Silverman E, Sapienza C, Miller S, Carnaby G, Levy C, Wen-Tsai H, Davenport P. Preliminary evidence of reduced urge to cough and cough response in four individuals following remote traumatic brain injury with tracheostomy. *Canadian Respiratory Journal.* 2016, Sept 6<sup>th</sup> [E-Pub].
26. \*Nightingale, C., Wingard J, Pereira D, Curbow B, Carnaby, G. Burden, quality of life, and social support in caregivers of patients undergoing radiotherapy for head and neck cancer: a pilot study. *Chronic Illness*; 2016 .12(3): 236-45.
27. \*Madhavan A, LaGorio L, Crary MA, Dahl W, Carnaby GD. Prevalence of and risk factors for dysphagia in the community dwelling elderly: A systematic review. *Journal of Nutrition, Health, and Aging.* 2016; 20(8):806-815.
28. Silverman E, Carnaby G, Singletary F, Hoffman Ruddy B, Yeager J, Sapienza C. Measurement of Voluntary Cough Production and Airway Protection in Parkinson's Disease. *Archives of Physical Medicine and Rehabilitation*, 2016 Mar; 97(3):413-20. doi: 10.1016.
29. Crary MA, Carnaby GD, Shabbir Y, Miller L, Silliman S. Clinical variables associated with hydration status in acute ischemic stroke patients with dysphagia. *Dysphagia.* 2016 Feb; 31(1): 60-65.
30. \*Nightingale, C., Wingard J, Pereira D, Curbow B, Carnaby, G. A Prospective Bio Psychosocial Investigation into Caregiving for Head and Neck Cancer Patients. *Annals of Behavioral Medicine* April 5, 2015. 49(1): S88.
31. \*Beatty G, Cranley N, Carnaby G, Janelle C. Emotions predictably modify response times in the

initiation of human motor actions: A meta-analytic review. *Emotion*, 2016 Mar; 16(2):237-51.  
doi: 10.1037/emo0000115.

32. \*Cranley N, Beatty G, Carnaby G, Curbow B. Efficacy of interventions to increase colonoscopy

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screening: A systematic Review and Meta-Analysis. *Psycho-Oncology*. 2015 Jul;  
24(2): 353- 354.

33. \*Sia I, Carvajal P, Lacy A, Crary MA, Carnaby-Mann G. Hyoid and Laryngeal Excursion Kinematics - Magnitude, Duration and Velocity- Changes Following An Exercise-Based Dysphagia Treatment: MDTP. *J Oral Rehabil*. 2015 May; 42 (5): 331-9.

- 32 \*Barikroo A, Carnaby GD, Crary MA. Effects of age and bolus volume on velocity of hyolaryngeal excursion in healthy adults. *Dysphagia*. 2015. Oct; 30 (5): 558-64.

- 33 Silverman E, Sapienza C, Miller S, Carnaby-Mann G, Tsai H, Levy C. Reduced urge to cough and cough response following TBI. *Canadian Respiratory Journal*. 2016;  
<https://doi.org/10.1155/2016/6875210>

34. \*Lenius K, Stierwalt J, LaPointe LL, Bourgeois M, Carnaby G, Crary M. effects of lingual effort on swallowing pressures following radiation treatment. *J Speech Lang Hear Res*. 2015 Jun; 58(3): 687-97.

- 35 \*Madhavan, A., Carnaby, G.D., Crary, M.A. (Submitted). 'Food sticking in my throat': Videofluoroscopic evaluation of a common symptom. *Dysphagia*. 2015 Jun; 30(3): 343-8

- 36 \*Berretin –Felix G, Sia I. Barikroo A, Carnaby G, Crary M. Immediate Effects of Transcutaneous Electrical Stimulation on Physiologic Swallowing Effort in Older vs. Young Adults *Gerodontology*, Sept 2016; 33(3): 348-355.

- 37 Crary M, Carnaby G, Shabbir Y, Arora S, Silliman S. Clinical Factors impacting dehydration in acute stroke. *International Journal of Stroke*. Oct 2014. 9 (3) 76-77.

- 38 \*Nightingale, C.L., Pomeranz, J., Carnaby, G., & Curbow, B. Quality of Life Considerations for Life Care Planning. *The Rehabilitation Professional*. April 2014.

- 39 \*Nightingale.CL, Cranley N, Kacel, E, Wong S, Pereira D, Carnaby G. 2014. A review of music interventions for cancer patients during end of life care. Open Access *Alternative Medicine*. Apr 04; 2(1): 7. <http://www.oapublishinglondon.com/abstract/1270>

- 40 \*Nightingale, C.L., LaGorio, L., Carnaby, G. A prospective pilot study of psychosocial functioning in head/neck cancer patient-caregiver dyads. *Journal of Psychosocial Oncology* 2014; Jul.2. 32(5): 477-492.

- 41 Crary MA, Carnaby GD. Adoption into clinical practice of two therapies to

manage swallowing disorders: exercise-based swallowing rehabilitation and electrical stimulation. *Curr Opin Otolaryngol Head Neck Surg.* 2014. 22(3): 172-80. <http://www.ncbi.nlm.nih.gov/pubmed/24675153>

- 42 Crary M, Carnaby G, Sia I. Spontaneous Swallow Frequency Compared to Clinical Screening in the Identification of Dysphagia in Acute Stroke. *Journal of Stroke and Cerebrovascular disease.* Jul 31. pii: S1052-3057 (14)00145-1. <http://www.ncbi.nlm.nih.gov/pubmed/25088166>

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**Book Chapters**

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### **Software Apps**

- Carnaby G. “The Mann Assessment of Swallowing Ability”, Version 1.0, Apple Corp 2019.
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### **Papers in Currently in Review/ Submission**

- Crary M, Carnaby G, Mathijs L, Maes S, Rommel N. A preliminary investigation of Spontaneous swallowing frequency, dysphagia and drooling in Children with Cerebral Palsy. Arch PMR (In review Feb 2021)
- Chhabria K, Carnaby G. (In review) Exploring the Relationship between Fear of Treatment Related Side-effects and Treatment Outcomes in Head and Neck Cancer Patients. JAMA, Otolaryngology- head Neck Surgery. (Submitted: Jan 2021).
- Canidate S, Carnaby G, Zhou Z, Cook C, Ennis<sup>1</sup>, Cook RL. 2019. Using the Brief Important Person Inventory Tool to Describe Social Networks and the Relationship to Drinking Reduction Among Women Enrolled in a Clinical Trial (re-Submitted: mar 2021)

### **Abstracts and Posters (N = 70: last four years shown only)**

1. Donohue C, Carnaby G, Cazalas M, Colquhoun RJ, Lacomis D, Garand KL. Exercise in patients with Amyotrophic Lateral Sclerosis: A Meta-Analysis. Poster accepted for presentation at the Dysphagia Research Society Virtual Annual 2021 Meeting. March 9-12.
2. Cintron G, Fernandez G, Dungan S, Tyler C Carnaby G. Characterizing pre-clinical dysphagia. Poster presented at the annual ASHA convention, Orlando Nov 2019.
3. Chhabria K, Badr H, Carnaby G. Exploring the Relationship Between Fear of Treatment and Treatment Outcomes Impacting Survivorship in Head and Neck Cancer Patients. Poster presented at the 16<sup>th</sup> annual meeting of the American Psychosocial Oncology Society, Atlanta, GA, Mar 2019.
4. Chhabria K, Badr H, Carnaby G. Investigating the Feasibility of Salivary Cortisol as a Prospective Risk Factor for Distress in Head and Neck Cancer Patients. Poster presented at the 16<sup>th</sup> annual meeting of the American Psychosocial Oncology Society, Atlanta, GA, Mar 2019.

5. Carnaby G, Abrahams T, Davis C, Smith S, Higgins T, Hehre-Garcia R, Brocato D, Harrison B, Taylor B, Daley L, Gregorio D. Comparative Validity of G-Codes to ASHA NOMS, FOIS & MASA Scores for Dysphagia. Poster presented at the annual ASHA convention, LA, CA, nov.2017.
6. Im I, Ihara Y, Hagan E.C, Hansen J.A, Hinchey E.M, Rivera K.J, Carnaby G.D, Crary M.A. (Submental) sEMG as a Surrogate for Lingual-Palatal Pressure Measures. Poster presented at the annual ASHA convention, LA, CA, nov.2017.
7. Ihara Y, Im I, Gregorio D, Hinchey E, Hansen J, Hagan E, Rivera K, Carnaby GD, Crary MA. The Impact of Age on Bolus Accommodation in Healthy Adults Poser presented at the 7th ESSD Congress, Barcelona 21-22 sept, 2017.
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9. Barikroo A, Carnaby G, Crary M. Electrical Stimulation Therapy for Dysphagia: A Follow-Up Survey of the U.S. Dysphagia Practitioners. Poster presented at ASHA National Conference Philadelphia, Pennsylvania, Nov 18<sup>th</sup> 2016.
10. Sia I, McCulloch T, Sheplak M, Kairalla J, Carnaby G, Crary M. Pharyngeal swallowing power: evaluating a novel measure of deglutitive bolus-driving function and its relationship with upper esophageal sphincter function. Poster presented at Dysphagia Research Society, Tucson AZ, Feb 25-27,2016
11. Chhabria K, Carnaby G. Psychometric Validation of the Center for Epidemiological Studies Depression Scale in Head and Neck Cancer Patients. Poster presented at the 16<sup>th</sup> American Academy of Health Behavior Conference, Ponte Vedra Beach, Florida, February 21-24, 2016.

#### **Presentations [Peer reviewed N = 98: Last four years shown only]**

1. Carnaby G, Dungan S. Relationships Between Swallowing, Cognition & Frailty in Community Dwelling Older Adults. ASHA National Conference, Orlando Nov 21, 2019.
2. Barikroo A, Carnaby G, Crary M. Transcutaneous Electrical Stimulation: Why Do Some Patients have a Low Stimulation Tolerance? ASHA National Conference, Orlando Nov 23, 2019.
3. Crary M, LaGorio L, Madhavan A, Barikroo A, Rogus-Pulia N, Carnaby G. Pre-Clinical Dysphagia" & Community Dwelling Older Adults-An Emerging Population. Seminar presented at ASHA National Conference. Los Angeles Friday Nov 10<sup>th</sup> 2017.
4. Carnaby G, Gregorio D. Evidence Based Practice - How We Do It & How We Could Do it Better. Seminar presented at ASHA National Los Angeles Friday Nov 10<sup>th</sup>, 2017.

5. Chharbria K, Carnaby G. Exploring the Relationship between Fear of Treatment Related Side-effects and Treatment Outcomes in Head and Neck Cancer Patients. AHNS Meeting and COSM Combined otolaryngology meeting, April 26<sup>th</sup> San Diego, CA, 2017
6. LaGorio L, Carnaby G. Crary M. How to Guide" to Manage Dysphagia in Radiation-Treated Head & Neck Cancer Patients. Seminar presented at ASHA National Conference Philadelphia, Pennsylvania, Nov 18<sup>th</sup>, 2016.
7. LaGorio L, Carnaby G. Crary M. Using MDTP to Rehabilitate Severe, Chronic & Treatment-Refractory Dysphagia: A Review of Multiple Complex Cases. Seminar presented at ASHA National Conference Philadelphia, Pennsylvania, Nov 18<sup>th</sup> 2016
8. Crary M, Carnaby G, Madhavan A, Mendenhall W. Spontaneous swallowing frequency, dysphagia and oral morbidities in RCT treated Head Neck Cancer patients. Paper presented at the Dysphagia Research Society, Tucson AZ, Feb 25-27, 2016.

### **Invited Presentations**

#### ***National (N = 55: Last four years only shown)***

1. Carnaby G. The role of spontaneous swallowing frequency in patients with Head neck Cancer undergoing C/RT. Presentation to “research- in – progress” seminar, University of Louisville, Department of Otolaryngology & Communicative Disorders, Jan 15<sup>th</sup> 2021
2. Carnaby G, Crary M. Update on dysphagia research. Med SLP collective meeting, St Augustine, August 9<sup>th</sup>, 2019.
3. Carnaby G. Management of the HNC patient from an SLP’s perspective – Does HPV status matter? 21<sup>st</sup> Annual Head and Neck Conference: Update on Management of HPV-Related Oropharynx Cancer, Oct 19<sup>th</sup>, 2018, Baltimore medical Center Baltimore MD.
4. Carnaby GD. The impact of fear and fear -related responses on preventative swallow intervention in HNC (HPV +/-)21<sup>st</sup> Annual Head and Neck Conference: Update on Management of HPV-Related Oropharynx Cancer, Oct 19<sup>th</sup>, 2018, Baltimore medical Center Baltimore MD.
5. Carnaby G. Latest treatments for Head Neck Cancer: Management of Acute, Chronic and Late Onset Dysphagia. Charleston Swallowing Conference at Northwestern University, INNOVATION Driving the Future of Dysphagia Management Across the Lifespan. 2018 July 14, Chicago IL.
6. Carnaby G. Strength and Skill in Swallowing- How do they differ. Charleston Swallowing Conference at Northwestern University, INNOVATION Driving the Future of Dysphagia Management Across the Lifespan. 2018 July 13<sup>th</sup>, Chicago IL

7. Carnaby G. Survivorship and the rehabilitation of swallowing disorders in HNC. Invited seminar at the ASCO 2017 meeting, June 2-6, 2017 Chicago IL.
8. Carnaby G. Invited presentation ASHA SID-13 Short course “don't be a settler”. Nov 18th, 2016
9. Carnaby G. Dysphagia Management in HNC. American Laryngology Association Meeting, May 18-19<sup>th</sup> 2016 Chicago IL
10. Carnaby G. Milton J Dance Symposium “Optimizing Survivorship: Prevention thru Late Effects” AHNS 9th International Conference on Head and Neck Cancer, July 16-20, 2016 Seattle, Washington.
11. Carnaby G. Dysphagia Research: Trials and Tribulations. Bruton Conference, Callier Center University of Dallas, April 23, 2016 Dallas TX.
12. Carnaby G. Rehabilitation of Swallowing after Multimodality Therapy from a Speech Language Pathologist’s Perspective Multidisciplinary Head Neck Cancer Symposium, ASTRO meeting, Scottsdale AZ, Feb 18-20, 2016.

### ***International Presentations***

1. Carnaby G. Decision making form Clinical examination. Presentation to the Brazilian Dysphagia Summit 1. San Paulo (Online) Feb 26<sup>th</sup>, 2021
2. Carnaby G. Clinical Assessment of Swallowing: The MASA Series. Presentation to Kwandong University Dysphagia Seminar, South Korea Jan 15<sup>th</sup>, 2021.
3. Carnaby G. The role of spontaneous swallowing frequency in patients with Head neck Cancer undergoing C/RT. Presentation to “research- in – progress” seminar, University of Louisville, Department of Otolaryngology & Communicative Disorders, Jan 15<sup>th</sup>, 2021.
4. Carnaby G. Clinical assessment tools for dysphagia (MASA/ MASA-C/ MMasa/ Fear of Swallowing scale/CVFE). Presentation to the Belgium Dysphagia Conference (BSSD) Sept 9<sup>th</sup>, 2020
5. Carnaby G. Prophylactic swallowing therapy in Head Neck Cancer. Presentation to the Belgium Dysphagia Conference (BSSD) Sept 9<sup>th</sup>, 2020
6. Carnaby G. Case problem solving -Clinical swallowing assessment. Presentation for Ministry of Health Singapore March 28<sup>th</sup>, 2019.
7. Carnaby G. Exercise Principles applied to swallowing. Presentation for Ministry of Health Singapore March 30th, 2019
8. Carnaby G. Exercised based swallowing therapy. Presentation for Ministry of Health Singapore March 30th, 2019.



9. Carnaby G. Evidenced based practice in dysphagia. Presentation for Ministry of Health Singapore March 31<sup>st</sup>, 2019.
10. Carnaby G, Crary M. Advancing research in Speech Pathology and dysphagia. Presentation for Ministry of Health Singapore March 31<sup>st</sup>, 2019.
11. Carnaby G. Pre- clinical dysphagia and the elderly. 7<sup>th</sup> ESSD congress: Swallowing and ageing & the World dysphagia Summit. Barcelona Spain Sept 21<sup>st</sup>, 2017.
12. Carnaby G. Pain fear avoidance and its impact on non-adherence to prophylactic swallowing exercises in head neck cancer patients. Paper to be presented at the ENT world congress June 26<sup>th</sup>, 2017, Paris France
13. Carnaby G. Invited presentation on “Dysphagia Management in Stroke” at the World Stroke Congress, Hyberdad India; October 2016
14. Carnaby G Invited presentation on Swallowing and Feeding: An evidenced based approach. at the World Stroke Congress, Hyberdad India; October 2016
15. Carnaby G. Invited presentation on “rehabilitation for dysphagia in stroke- how intense and how early” at the World Stroke Congress, Hyberdad India; October 2016.
16. Carnaby G. McNeill Dysphagia Therapy. Presentation to SUNAS, Rehabilitation center. Oslo, Norway, September 29<sup>th</sup>, 2016
17. Carnaby G. Clinical Swallowing Evaluation: Current Practice and Ideas for Moving Forward. Dysphagia Research Society meeting, Tucson AZ, Feb 25-27,2016
18. Carnaby G. Epidemiology of swallowing disorders in the elderly. ESSD 2016 “Swallowing disorders from compensation to recovery”, October 2<sup>nd</sup>, Barcelona 2015
19. Carnaby G. McNeill Dysphagia Therapy. Presentation to University of Hong Kong symposium. Hong Kong, August 28<sup>th</sup>-30<sup>th</sup> 2014.
20. Carnaby G. MMASA: Bedside Swallowing Screening. Presentation at the Dysphagia Research Society Post graduate course. Nashville, TN, March 5-8, 2014.
21. Carnaby G. New interventions for swallowing disorders: The Pharyngocise and McNeill approaches. Norfolk and Norwich University Hospital, United Kingdom. September 29-30<sup>th</sup>, 2012.
22. Carnaby G. Exercise interventions for Dysphagia. Center for CPD for AHP, Belfast Ireland, September 22<sup>nd</sup>, 2012.
23. Carnaby G. The Management of Dysphagia in the Head and Neck Cancer. 8th International Conference on Head & Neck Cancer. Toronto CA, July 21, 2012.
24. Carnaby G. The Role of Neuromuscular Electrical Stimulation for Swallowing Recovery in Head and Neck Cancer Survivors. 8th International Conference on Head & Neck Cancer. Toronto CA,

July 21, 2012.

25. Carnaby G. Invited panel discussion member on Dysphagia in Head and neck cancer. International Dysphagia Research Society meeting, San Antonio TX, March 3<sup>rd</sup>, 2011
26. Carnaby-Mann. G. McNeill Dysphagia Therapy Program (MDTP) DysFagie Conference. Brussels / Antwerp, April 13-14, 2011
27. Carnaby-Mann G. Crary, M. Principals of exercise and application to dysphagia treatment. Paper presented at the Sir Charles Gairdner Hospital, Perth Western Australia, July 12<sup>th</sup>, 2010
28. Carnaby-Mann G. Principals of exercise and application to dysphagia treatment. Paper presented at the DysFagie Conference. Brussels / Antwerp, January 28<sup>th</sup>, 2010
29. Carnaby-Mann G. Principals of exercise-based intervention for Dysphagia. Paper presented at the London Speech Pathology Conference, London UK, December 12<sup>th</sup>, 2009.
30. Carnaby-Mann G. Pharyngocise – a pre-emptive strategy for swallowing intervention in head neck cancer patients undergoing chemo radiation. Paper presented at London Royal Free Hospital Speech Pathology Conference, London UK July 2009
31. Carnaby-Mann G Assessment and Screening of Dysphagia following stroke. Paper presented at the Japanese Dysphagia Society, Sept 11, 2008
32. Carnaby Mann G New innovations in Dysphagia Management. Paper presented at the Japanese Dysphagia Society, Sept 12<sup>th</sup>, 2008
33. Carnaby-Mann G. Principals of exercise and application to dysphagia treatment. Paper presented at the London Royal Free Hospital Speech Pathology Conference, London UK, 8<sup>th</sup> June 2007.
34. Carnaby-Mann G. Standardized approaches to screening and evaluation of dysphagia. Paper presented at the London Royal Free Hospital Speech Pathology Conference, London UK, 7<sup>th</sup> June 2007.
35. Carnaby-Mann G, Crary M. Electrotherapy for Dysphagia: Paper presented at the Sir Charles Gairdner Hospital Perth WA Australia July 12<sup>th</sup>, 2006.
36. Carnaby- Mann G, Crary M. Electrotherapy for Dysphagia: An emerging treatment technique. A paper presented at the Concord Hospital NSW Australia July 5<sup>th</sup>, 2006.
37. Carnaby -Mann G, Crary M. Electrotherapy for Dysphagia: An emerging treatment technique. A paper presented at the Peter Mac Cancer Center, Victoria, Australia July 6<sup>th</sup>, 2006.
38. Carnaby-Mann G. MES Outcomes: Functional & Physiological. Paper presented at the EGDG meeting in Malmo Sweden, October 14<sup>h</sup> 2006.
39. Carnaby-Mann G. Preventative exercise for dysphagia following head / neck cancer. Paper presented at the EGDG meeting in Malmo Sweden, October 13<sup>th</sup>, 2006.
40. Carnaby-Mann G Electrical stimulation for swallowing. Paris, France Nov 20<sup>th</sup>, 2005.

41. Carnaby-Mann G. Evaluation of Dysphagia – MASA. Brussels / Antwerp Nov 11<sup>th</sup>, 2005
42. Mann G. Evaluation and treatment of swallowing disorders: a teaching course. Dhahran, Saudi Arabia. May 20 – 27<sup>th</sup>, 2004
43. Mann G. HMDP Singapore General Hospital Health Service. Invited presentation. Management of voice and swallowing following Head / Neck cancer. Singapore, February 9<sup>th</sup>-20<sup>th</sup>, 2004.
44. Crary MA, Mann GD. Endoscopic Assessment of swallowing Disorders: A short course. Singapore General Hospital, March 7-8, 2003.
45. Mann G, Crary M.A. Dysphagia & Nutrition following stroke: a review Paper presented at the Stroke Society of Australasia Scientific Meeting Auckland, Sept 5 – 8<sup>th</sup> 2001.

### **Upcoming**

1. Carnaby G, Clinical assessment tools for dysphagia. Belgium Society of Swallowing Disorders 7<sup>th</sup> Congress. Antwerp Be. May 8<sup>th</sup> 2021.
2. Carnaby G, Crary M. McNeill Dysphagia Therapy Program. Online Presentation to SLP- Swallowing Special Interest group. University of Sydney, Australia. Nov, 2021.

### **Research Support**

#### **Awarded Research Grants**

##### ***Previous***

1. **Mentor / Consultant** (10%) New Investigators Research Grant **ASHA Foundation**. Characterization of radiation-induced pharyngeal mucosa fibrosis after head and neck cancer. (PI: King.S) Submitted April 2016. [\$USD 75, 000]
2. **Mentor: National Institutes of Health- Student Minority Supplement [NIH/NIAAA]**. (Cook, PI). Pharmacotherapy for hazardous drinking in women with HIV infection. (Awarded August 2014) [USD \$ 55,437]
3. **Co-Principal Investigator, (20%) National Institutes of Health [NIH/NCI-R21]** Sensory Alterations and Swallow Function in RT Treated Head/Neck Cancer Patients (Crary PI). [July - 2014-August 2016] \$ 410,687 (Direct and Indirect Costs)
4. **Co-Principal Investigator**. Development and Validation of an Automated Spontaneous Swallow Frequency Meter. University of Florida Commercialization Fund (2013-2014) .[\$25,426]
5. **Principal Investigator-MPI (15%) National Institutes of Health [NIH R21/33 –NIDCD]**: Investigator Accuracy of Examining Cough Function and its Relationship to Airway Protection in Parkinson’s disease. (2010-2013), [USD \$517,617 (R21), USD \$837,389 (R33)]
6. **Sub-Investigator** (5%) Natural Science Foundation of China. The Connectivity and Reorganization Mechanism of the neural structure-function networks in Dysphagia Patients with Cerebral Infarction (2011-2012) [\$220,000 yuans /approx USD\$ 35,000].
7. **Co-Principal Investigator** (5%) Swallow Ability, Reflux, and Risk for Chest Infection in Acute Stroke. Shands Quasi Endowment grant (2011-2012) [\$USD 51,812], Crary (PI)

8. **Co-Principal Investigator (20%) Florida Department of Health [DOH-Bank-Head Coley program]**: Sensory Alterations and Swallow Functions in RT Treated Head/Neck Cancer Patients (no cost extension. (2011-12). [USD\$155,250].
9. **Principal Investigator (30%) ACS -American Cancer Society grant**. “Muscle Composition and Swallow Function following Radiation Therapy for Head and Neck Cancer: A Dose Response Study”. (2007-2011), [USD \$928,000]
10. **Principal Investigator**, ATOS Corporation. Provision of Therabite appliances for subjects enrolled in the cancer research program (2006-2011) [USD \$150,000]
11. **Co-Investigator (5%) NIH/ CTSI**- Development of a swallow frequency meter. (2010-2011), [USD 24,720] Crary (PI)
12. **Co-Investigator (5%) SHRAC**: Western Australian State Health Authority. “Investigating the efficacy of a new program to reduce duration and severity of dysphagia in stroke patients” (2011-12), [AUD \$130,000].
13. **Principal Investigator (35%) National Institutes of Health [NIH/ NCMRR [R21HD054752-01A2]** A randomized trial of NMES vs. Traditional dysphagia therapy after stroke (2008-2011), [USD \$402,875].
14. **Co-Investigator (5%) Accuracy of Examining Cough Function and its Relationship to Airway Protection in Parkinson’s disease**. Shands Quasi Endowment grant. (2010- 2011), [USD \$60,000].
15. **\* Mentor, National Institutes of Health [NIH/NIDCD - F31 DC010943-01A1]** Effects of Bolus Accommodation on Swallowing Effort in Healthy Elderly Individuals. (2010-2012), [USD \$81,795].
16. **Principal Investigator (5%) PPHP Model Demonstration Grant 00073589: PPHP Head and Neck Cancer Survivor Project Proposal**. (2007 -2008), [USD \$20,000]
17. **Co-Investigator (20%) Electrical Stimulation therapy in chronic dysphagic patients – Vital Stim Investigator Initiated Grant**. (2007-2008), [USD\$209,079] Crary M (PI).
18. **Co-Investigator (50%) Encore Medical Grant. Electrical Stimulation therapy in chronic dysphagic patients – Vital Stim Investigator Initiated Grant Phase II**. (2006-2007), [USD\$74,688] Crary M (PI)
19. **Co-Investigator (50%)**. Multisite clinical studies and physiological evaluation of electrical stimulation for the treatment of dysphagia in adults (pilot studies). (PI: Crary) EMPI (\$84,688).
20. **Principal Investigator (50%) Vital-Stim Investigator Initiated Grant “Electrical Stimulation-research facilitation”**. (2004-2005), [USD\$105,090].
21. **Co-Investigator (10%) University of Florida, PPHP, “Dysphagia and nutritional status following stroke: a pilot study”** (2005-2007), [USD \$15,000]. Crary M (PI)

22. Principal Investigator (20%) Transportation and clearance of orally disintegrating preparations (ODT) in dysphagic patients” – Schwarz Pharma. (2004-2005), [\$ USD 31,009].
23. **Co-Investigator** (10%) **National Institutes of Health [NIH/NICHD: RO3 HD42818]** “Topiramate effects on SIB in Prader-Willi Syndrome”. (2003-2005),[\$ USD 143,650] Shapira (PI)
24. Co-Investigator (25%) KOS grant “The effect of mouthpieces design and inspiratory flow resistance at a fixed flow rate on pharyngeal dynamics: Correlation of MRI results with long distribution patterns as seen on ventilation nuclear medicine images”. (2003-2004), [\$20,000] Schmalfluss. I (PI).
25. **Co-Investigator** (10%) **VA Merit Review Grant** “Mechanisms of visceral and cutaneous heat hyperalgesia in the irritable bowel syndrome. (2003-2004), [\$85,000], Verne (PI).
26. Principal Investigator- Therabite Corporation – provision of Therabite appliances for subjects enrolled in the cancer research program. (2001-2004), [USD \$7,040].
27. **Principal Investigator** (50%), **Florida DOH Biomedical Program** “Muscle composition and function for swallowing in head / Neck cancer patients undergoing radiotherapy: a randomized Controlled trial of swallowing therapy”. (2001-2004), [\$ USD 375,774].
28. Center Investigator (10%) VA Rehabilitation Outcomes Research Center (RORC) Research into veterans with central nervous system damage (2001/2002) Subproject: [USD \$7,000].
29. Principal Investigator University of Florida Research Opportunity Fund. “Muscle composition and function for swallowing in Head / Neck Cancer patients undergoing Radiotherapy-pilot study”.(2001-2002), [\$ USD 20,000]
30. Principal Investigator, “A randomised controlled trial of dysphagia therapies for swallowing disorders following stroke” Medical Research Foundation (Royal Perth Hospital) (1997 /98) [\$ AUD 30,000]
31. Principal Investigator, Australian Brain Foundation - “A randomised controlled trial of dysphagia therapies for swallowing disorders following stroke” (1996 /97), [\$AUD 8,000].
32. Principal Investigator, Medical Research Foundation of WA “A randomised controlled trial of dysphagia therapies for swallowing disorders following stroke”(1995-96), [\$AUD 55,000].
33. Principal Investigator, -“Dysphagia following acute stroke: incidence, clinical features and prognosis” Medical Research Foundation (Royal Perth Hospital); (1994-95), [\$AUD 7,000].
34. Principal Investigator Medical Research Foundation of WA, “Dysphagia following acute stroke: incidence, clinical features and prognosis” (extension grant). (1994-95), [\$AUD 8,000].
35. Principal Investigator, Medical Research Foundation of WA, “Dysphagia following acute stroke: incidence, clinical features and prognosis”. (1993-94), [\$ AUD \$28,000].
36. Principal Investigator, Sandoz Gerontological Foundation " Dysphagia in acute stroke: incidence progression & outcome";(1992 /93), [\$AUD 10,000].

***Foundation gift/ Support***

1. Accelerated Care Plus- Provision of electrodes and two Synchrony 4.0 towers ad a laptop application for surface electrotherapy for swallowing – in support of community dwelling elderly studies [ \$80,000]\
2. IOPI medical – Provision of IOPI bulbs (x300) and three systems for Community Dwelling Elderly study- \$5,000
3. Chattanooga Group: \$211,619 to support core function of Swallowing Research Laboratory [2006 - 2007]

***Submitted: Scored - Unfunded***

1. Co- Investigator (25%) A Non-invasive portable system for detecting aspiration. National Institutes of Health [[NIBIB/BTTS] R21 (PI: Abdolvand). Submitted 02/15/2018. [USD \$577, 820].
2. Co-PI Investigator (40%) National Institutes of Health [NIH/NIA] Spontaneous Swallowing Frequency to Identify Pre-Clinical Dysphagia among Community-Dwelling Elderly (PI: Cray) Submitted Nov 2017. [USD \$392,549].
3. Co-Investigator (10%) DOD Idea Award Program. Colorectal cancer survivorship in a VA Medical Center: new knowledge and implementation of a survivorship care plan program (PI: Hines) Submitted 7/20/2017. [[USD 584,000]
4. Co-PI (25%) National Institutes of Health/NCI [R15] REhabilitating Mechanisms of Airway Protection in Patients with Cancer of the Head and Neck (Hoffmann-Ruddy, PI). [Feb, 2017]

***Current Funding***

1. Principal Investigator: Swallowing function in the Community Dwelling elderly. A pilot investigation. The Learning Institute for Elders at the University of Central Florida, Inc. Grant [USD 7,900]

***Pending -In Submission***

1. Paid Design /Statistical Consultant (PI: Kendra Garand) -ASHA New Century Scholar grant submission. “Phase 1 exploration of EMST for swallowing remediation in Obstructive Sleep Apnea” [Submission 04/19/2021].
2. Co-investigator [20%] NSF Americas Seed Fund -Accepted project pitch. #00018723 for Phase 1 SBIR with Patheous Health Inc. Develoment of an mHealth spontaneous swallow frequency device to identify and monitor pneumonia. [In process- Anticipated submission March 31<sup>st</sup>]
3. Principal Investigator (35%) National Institutes of Health [NIH/NCI- R01]: Exploring Fear and Fear related behavior as barriers to intervention in head neck cancer patients. [USD\$2,935,303] -(Planned re-submission 10/2021.)

4. Principal Investigator (20%) [NIH/NIA- R01]. Preventative Screening for Feeding Health in Community Dwelling Older Persons. Re-Submission 02/2022. [USD \$409,748].
5. Co-PI (15%) NIH/NCMRR R01: Risk and benefits of a hydration protocol for acute stroke patients with dysphagia (Submission 10/2022).

**Research Patents**

1. N.A. Shapira, G.Mann, Annis A, Goldsmith T. Methods to prevent or ameliorate medication-, procedure- or stress induced cognitive and speech dysfunction and methods to optimize cognitive and speech functioning. April 2003.
2. M Crary, G Carnaby. Invention Disclosure: Automated Swallow Frequency Meter (UF 13402; TK 222106-8830); 2010

**Student Research Mentorship Summary**

**PhD Students-** Current -4 (PhD), Completed mentoring 10 [SLP=4, PH = 6]. Chair PhD 5 students (completed), Co-Chair 4 students (completed), UCF-MS thesis chair [1], Post-Doctoral Mentoring– 13 (completed).

<b>Mentee</b>	<b>Years</b>	<b>Pre/post doc/international scholar (IS)</b>	<b>Research title</b>	<b>Current position</b>
Ankita Bhuktada	2019-2022	Pre Doc	Fatigue in exercise intervention	Doctoral Scholar - University South Alabama
Munirah Alkhuwaiter	2020-2024	Pre Doc	Clinical correlates of MBSImp & Bedside evaluation for swallowing	Doctoral Scholar - Swallowing Cross-Systems Collaborative Lab Northwestern University
Victoria McKenna SLP/PhD	2020-2021	Assistant Professor	Respiratory – Swallowing reciprocity	University of Cincinnati
Yvette McCoy MS/SLP-CCC	2020-2023	Pre Doc	Exercise based interventions in CDE	Doctoral Scholar - Faculty at Moravian University PA
Cara Donohue SLP/PhD	2019-2021	Pre doc	Respiration and Swallowing in ALS	Doctoral Scholar Pittsburgh University
Sarah Dungan MS/SLP-CCC	2018-2020	MS	Comparative Validity of ASHA * NOMS, FOIS & G-Codes to MASA scores for dysphagia	Faculty -UCF CUAUF
David Gregorio MS/SLP-CCC	2017-2018	MS	Ability to critically evaluate research literature in Speech – Language Pathology	MPH student (biostatistics &Epidemiology) UF



Ericka Kiernan DPT/MPH/PhD		MPH & Pre doc	Evaluation of a Parkinson's community exercise program on apathy, grit and the relationship of the caregiver dyad.	Assistant Professor University of St Augustine
Felix Lorenzo MPH/PhD/CHP	2013-2016	MPH & Pre-Doc	Exploring cardiovascular health differences in latino/ as of different countries of origin	ORISE Fellow, Office of the Director, Office of Minority Health, US Dept Health & Human Services
Karishma Chhabria MPH/PhD	2012-2017	MPH & Pre doc	Investigating the impact of bio psychosocial factors on treatment outcomes in head neck cancer patients	NIH Post-Doctoral Scholar, Dan L Duncan Comprehensive Cancer Center, Baylor College of Medicine
Shantrel Candidate MPH/PhD	2010-2016	Pre and post doc	Exploring attitudes perceptions and experiences of HIV-positive women with hazardous drinking behaviors	NIDA T32 Post doctoral fellow SHAARC Center for translational HIV research  NIAAA diversity supplement & F31

Ali Bariakroo SLP/ PhD	2012-2015	Pre doc	Comparing the effects of a novel versus existing transcutaneous electrical stimulation protocol on lingual palatal pressures and pressure durations in health older adults.	Assistant professor Kent State University
Aarthi Madhavan SLP/PhD	2012-2015	Pre doc	ASHA New Century scholarship -identifying and profiling pre-clinical dysphagia in the Community dwelling elderly.	Assistant professor Penn State University
Chandylen Nightingale MPH/PhD	2007-2013	MPH & Pre doc	NIH R25 Cancer Survivorship NIH/NCI R03- Prepare to care a supported self -management intervention for head neck cancer caregivers.	Assistant Professor, Wake Forrest School of Medicine
Isaac Sia MPH/SLP/PhD	2010-2016	MPH & Pre doc	Pharyngeal swallowing power: evaluating a novel measure of deglutitive bolus driving function and its relationship with the UES. ASHA research award	Head of Speech Pathology National University Hospital, Research consultant MOH Singapore
Jamie Humphrey MPH/PhD	2010-2014	MPH & Pre doc	Diabetes and stroke-Research scholar University of boulder Colorado	Director of Research and Evaluation, NYC Department of Health and Mental Hygiene
Lisa LaGorio MPH/SLP/PhD	2006-2014	MPH, Pre and post doc	NIH-F31/ NIH R31 NIDCD-Bolus accommodation in the elderly	Assistant Professor/ Clinical Director Rush University Chicago



**Student Mentorship-Details:*****Lisa LaGorio (PhD/RSD/Post Doc)***

- 2014 Assistant Professor/ Clinical Director Rush University Chicago (commenced August 2014)  
R31-NIH/NIDCD- Pathways Program- awardee
- 2013 Institute for Learning in Retirement, Aging Research Award, University of Florida/Oak Hammock, \$200
- 2012 Office of Research, Student Travel Award, University of Florida, \$400
- 2012 ASHA ACE Award for Continuing Education
- 2012 Graduate Student Council (GSC) Student Travel Award, University of Florida (two awards for \$250 each)
- 2010 ASHA Foundation New Century Scholar Doctoral Scholarship, \$10,000
- 2010-2013 NIH/F31 entitled “Bolus accommodation in the elderly”
- 2010 Graduate Student Research Grant, “Effect of Bolus Accommodation on Swallowing Effort in Healthy Elderly Individuals.” Dissertation award, University of Florida, College of Public Health and Health Professions, \$1000
- 2010 Sam and Connie Holloway Endowed Scholarship, University of Florida, \$1000
- 2010 Leighton E. Cluff Award in Aging Research, University of Florida, \$1200
- 2008 ASHA Foundation Student Research Travel Award, \$500
- 2007 ASHA Foundation Graduate Student Scholarship, \$4000
- 2007 Outstanding Graduate Research Award, College of Health Professions, University of Florida, \$500
- 2006 Grinter Fellowship Award, University of Florida, \$4000

***Jaime L. Humphrey (MPH/PhD)***

- 2019 Director of Research and Evaluation, NYC Department of Health and Mental Hygiene
- 2015 Research Associate, Institute of Behavioral Science, University of Colorado Boulder
- 2010 Diabetes in stroke- Paper presentation at international meeting Dysphagia Research Society  
“Dysphagia, Nutrition, and Hydration in Ischemic Stroke Patients at Admission and Discharge from Acute Care”

***Isaac Sia (PhD/RSD)***

- 2018- Research consultant – MOH Singapore
- 2016- Head of Dept, National University Hospital, Singapore.
- 2014 ASHA research award \$5,000
- 2014 Paper presentation at International Dysphagia Research Society meeting
- 2014 Delta Omega Public Health Honorary Society (Beta Upsilon Chapter)
- 2012 Dysphagia Research Society, Poster Award, \$500
- 2012 Collaboration Award, University of Florida College of Public Health and Health Professions Annual Research
- 2011 Collaboration Award, University of Florida College of Public Health and Health Professions Annual Research
- 2011 Graduate Student Council Travel Grant
- 2010 Florida Speech and Hearing Association [FLASHA] Poster Award, \$500

***Chandylen Nightingale (nee Pendley) (MPH PhD)***

- 2017 NIH R25 Cancer Survivorship -NIH/NCI R03- Prepare to care a supported self - management intervention for head neck cancer caregivers.

- 2016 Assistant Professor, Wake Forrest School of Medicine  
 2014 Post -Doctoral position – NIH R25 Cancer Survivorship -Wake Forrest University.  
 2013 Manuscript, “The Impact of Music Interventions on Anxiety for Adult Cancer Patients: A Meta-Analysis and Systematic Review”, was selected to be featured on [www.MDLinx.com](http://www.MDLinx.com)  
 2013 Paul M., Laura L., and Amy L. Deutsch Endowment in Life Care Planning Dissertation Award (\$6000)  
 2013 University of Florida BSCH Dissertation Grant (\$1000)  
 2012 Graduate Student Council Travel Grant
- 2012 BSCH Teaching Assistant Award  
 2011 Collaboration Award, University of Florida College of Public Health and Health Professions Annual Research.  
 2010 Yul Brenner Cancer Investigator Award, Dysphagia Research Society.  
 2010 Fellowship - Society for Public Health Education/ Centers for Disease Control [SOPHE/CDC] Student Fellow in Health-Related Quality of Life. Project entitled “Caregiver burden and caregiver HRQOL following dysphagia from Head/Neck Cancer”  
 2010 Charlotte Liberty Foundation Scholarship  
 2009 Shands Auxillary Scholarship

***Aarthi Madhavan (PhD /SLHS)***

- 2016 Assistant Professor, Penn State  
 2014 ASHA New Century Scholar Award  
 2014 UF PPHP Research Travel award  
 2014 Dysphagia Research Society, Head Neck Cancer Alliance Award “relationships between dysphagia and oral morbidities in chemo-radiation treated head and neck cancer patients”  
 2012 Collaboration Award, University of Florida College of Public Health and Health Professions Annual Research.

***Ali Barikroo (PhD /SLHS)***

- 2016 Assistant Professor, Kent State  
 2014 Dysphagia Research Society, Springer Publishing Travel Scholarship

***Shantrel Canidate (MPH/PhD/Post Doc)***

- 2017- present NIDA T32 Post doctoral fellow  
 SHAARC Center for translational HIV research  
 NIAA-F31  
 2014 U01-Pharmacotherapy for alcohol consumption in HIV-infected women: randomized trial- NIH/NIAAA minority diversity supplement

***Karishma Chhabria (MPH/PhD)***

- 2018 -present NIH Post-Doctoral Scholar, Dan L Duncan Comprehensive Cancer Center  
 Baylor College of Medicine  
 2017 PPHP Graduate research travel Award

***Erica Kiernan (MPH/PhD)***

- 2018 - Assistant professor DPT program, University of St Augustine  
 2014-17 PhD student – UF Public Health

***David Gregorio (MS-SLP)***

- 2017 SLP Masters Research thesis entitled “The ability to critically evaluate research literature in Speech – Language Pathology”. Spring 2017.

***Sarah Dungan (MS-SLP)***

- 2018 SLP Masters Research- Comparative Validity of ASHA \* NOMS, FOIS & G-Codes to MASA scores for dysphagia.
- 2019-20 CFY Mentor

***Undergraduate Senior Honors Students (USA: n =15 not shown)***

I have served as the mentor for numerous undergraduate honors students. Six of them have won research awards for their thesis projects and several have presented their research at the local and national levels. All of these students have entered advanced degree professional programs.

**Post-Doctoral/Professional Research Mentorship (n=14)**

I have served as mentor/co-mentor/advisor to numerous post-graduate (national and international) students and junior faculty resulting in papers/ positions/ presentations.

- 2018-19 **Noriaki Takahashi PhD – DDS International post-doctoral scholar UCF** (Japan)
- 2016-18 **Yoshiaki Ihara PhD – DDS International post-doctoral scholar UCF** (Japan)
- 2016-18 **Ikjae Im PhD/SLP – International post-doctoral scholar UCF.** (Korea)
- 2015-16 **Suzanne King PhD /SLP – Assistant professor, University of Louisville,**  
Professional ASHA junior faculty research mentor. *Characterization of radiation-induced pharyngeal mucosa fibrosis after head and neck cancer.*
- 2013-14 **Memorie Goza PhD /SLP– Assistant professor University of Alabama.**  
Professional pathways Junior faculty mentor for ASHA research program mentor. *Bolus response in Pediatric dysphagia*
- 2012-13 **Shana Harrington PhD/ PT – Rehabilitation Research Career Development Program**  
K-12 Scholar. -Professional research mentor in *-Pain and fear associated with swallowing disability in Head Neck cancer.*
- 2011-12 **Sachiko Takkai PhD – International post-doctoral fellow (Japan)**
- 2010-11 **Mai Ohkubo PhD /DDS – International post-doctoral fellow** (Japan)  
\*Lan, Y., \*Ohkubo, M., \*Berretin-Felix, G., \*Sia, I., **Carnaby-Mann, G.D.**, Crary, M.A. Normalization of temporal aspects of swallowing physiology following the McNeill Dysphagia Therapy program (MDTP). *Annals of Oto-Rhino-Laryngology* 2012 Aug; 121(8): 525-32.
- Giedre Berretin-Felix PhD/SLP – International post-doctoral fellow (Brazil)**  
\*Berretin-Felix, G, **Carnaby-Mann, G.**, Sia, I., Crary, M. NMES immediate effects on swallow physiology in younger vs. older healthy volunteers. *Gerodontology.* 2016 Sep;33(3):348-55.
- Yue Lan MD – International post-doctoral fellow (Guangzhou, China)**  
\*Lan, Y., Ohkubo, M., Berretin-Felix, G., Sia, I., **Carnaby-Mann, G.D.**, Crary, M.A. Normalization of temporal aspects of swallowing physiology following the McNeill Dysphagia Therapy program (MDTP). *Annals of Oto-Rhino-Laryngology* 2012 Aug; 121(8):525-32.

-Grant Awarded – Natural Science Foundation of China entitled: “The connectivity and reorganization mechanism of the neural structure-function networks in dysphagia patients

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with cerebral infarction”; 2001-2013.

**GISELLE D. CARNABY**

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- 2007-2009**      **Melissa Chua – MS/SLP/Doctor of Medicine, Flinders University Australia**  
Senior principle Speech pathologist, Sengkang health
- 2006- 2008**      **Nicola Clayton , MS SLP/ PhD – Master of medical Science, University of Svdney, Australia**
- 2005**              **Gai Gupta, MS /SLP – International research fellowship, NSW Australia**
- 2004-2006**      **Myoshi Yoshida PhD/DDS – International post-doctoral fellow (Japan)**

\*Yoshida, M., Groher, M.E., Crary, M.A., **Carnaby-Mann, G.D.**, Akagawa, Y. Comparison of surface electromyographic (sEMG) activity of submental muscles between the head lift and tongue press exercises as a therapeutic exercise for dysphagia. *Gerodontology*. 2007; 24:111-116.

## **Teaching**

I have taught at all University levels (undergraduate, graduate, Doctoral and Post-Doctoral /Professional) > 60 classes taught to date. I have experience in online, Canvas, Blackboard and Zoom / MS Teams based teaching / student engagement. I have completed the Essentials of online teaching course [ EOT - Online Quality Designation for teaching:IDL6543]

I am also actively engaged in interdisciplinary professional education and teaching and post graduate teaching within the profession

## Formal Classes

University	Course	Student #	Level	Dates
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	14	MS	Spring 2021
University of Central Florida	Research Methods SPA4803	70	U/Grad	Spring 2021
University of Central Florida	Physiological Bases of Speech language Pathology SPA 3101	70	U/Grad	Fall 2020
University of Central Florida	Research Methods SPA4803	67	UY/Grad	Fall 2020
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	23	MS	Spring 2020
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	11	MS	Fall 2019
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	22	MS	Spring 2019
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	14	MS	Fall 2018
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	15	MS	Spring 2018
University of Central Florida	Management of Upper Airways / advanced dysphagia SPA 6569	36	MS	Fall 2017
University of Central Florida	Research Methods SPA 6805	30	MS	Spring 2017
University of Central Florida	Research Methods SPA 6805	35	MS	Fall 2016
University of Central Florida	Research Methods SPA 6805	26	MS	Spring 2016
University of Central Florida	Seminar in Dysphagia Instrumentation SPA 6553L	24	MS	Fall 2015
University of Central Florida	Research Methods SPA4803	61	UG	Fall 2015
University of Florida	Doctoral Research Methods PHC6700	17	MPH/PhD	Spring 2015
University of Florida	Instrument development PHC 6937	8	PhD	Fall 2014
University of Florida	Theory development and testing PHC 7587	7	PhD	Fall 2014
University of Florida	Clinical assessment of dysphagia*	26	Msc/SLP	Spring 2014
University of Florida	Doctoral Research Methods PHC6700	22	MPH/PhD	Spring 2014

University of Florida	RCS4061- Psychosocial aspects of Rehabilitation	60	BHS	Fall 2013
University of Florida	PHC 6937 Meta-Analysis	6	PhD	Summer 2013
University of Florida	Doctoral Research Methods PHC6700	17	MPH/PhD	Spring 2013
University of Florida	Clinical & Instrumental assessment of dysphagia*	30	MSc/SLP	Spring 2013
University of Florida	RCS4061-Psychosocial aspects of rehabilitation	65	UG/BHS	Fall 2012
University of Florida	PHC6251-assessment & surveillance	18	MPH/PhD	Summer 2012
University of Florida	Research Methods PHC6700	40	MPH/PhD	Spring 2012
University of Florida	PHC 6937 Meta-Analysis	18	PhD	Summer 2011
University of Florida	Research Methods PHC6700	36	MPH/PhD	Fall 2010
University of Florida	Introduction to health professions HSC 2000*	200	U/Grad	Fall 2010
University of Florida	Community Based Health Assessment*	11	PhD	Spring 2010
University of Florida	Clinical assessment of dysphagia*	32	MSc/SLP	Spring 2010
University of Florida	Research Methods PHC6700	34	MPH/PhD	Spring 2009
University of Florida	Research Methods PHC6700	31	MPH	Spring 2008
University of Florida	Introduction to health professions HSC 2000*	200	U/Grad	Fall 2009
University of Florida	Doctoral Research Methods PHC6700	26	MPH/PhD	Fall 2008
University of Florida	Evidence Based Approach to Research-Advanced Postgraduate Program in Clinical Investigation APPCI	16	PhD/Post doc	Fall 2003
University of Florida	Evidence Based Approach to Research Advanced Postgraduate Program in Clinical Investigation -APPCI	14	PhD/Post doc	Fall 2002
University of Florida	Evidence Based Approach to Research Advanced Postgraduate Program in Clinical Investigation -APPCI	15	PhD/Post doc	Fall 2001
Curtin University WA	Dysphagia Theory & Practice	45	U/grad	Summer 1999
Curtin University WA	Advanced practice in research #	23	U/Grad honors	Summer 1999
Curtin University WA	Voice and Voice disorders#	41	U/Grad	Summer 1999
Curtin University WA	Head & Neck Anatomy#	20	U/grad	Summer 1999
Curtin University WA	Anatomy & Kinesiology	48	U/Grad	Winter 1999
Curtin University WA	Research methods research#	60	U/Grad	Winter 1998
Curtin University WA	Voice and Voice disorders	26	u/Grad	Summer 1998
Curtin University WA	Dysphagia	37	U/Grad	Summer 1998

\*Repeated Invited lectures, #multi-year repeated lectures

\*\*\*Clinical teaching and supervision of clinical practice not listed

**Courses Developed and Directed (USA Only)**

SPA3101- Anatomy and Physiology of Speech and Communication	Undergraduate (online only)
SPA6569 – Management of Upper Airways [UCF]	Graduate
SPA6805 -CSD Research Methods [UCF]	Graduate
SPA4803- CSD Research Methods [UCF]	Undergraduate
PHC6700- Advanced Doctoral Research [UF]	PhD
PHC 6937- Health Instrument Development [UF]	PhD
RCS 4061-Psychosocial aspects of rehabilitation [UF]	Undergraduate
PHC 6700-Research Methods /Epidemiology [UF]	MPH
PHC 6937 -Meta-Analysis [UF]	PhD
APPCI - Evidence Based Approach to Research [UF]	PhD/Post-Doctoral

**University Service**

*Academic Service University of Florida (2005-) (Major Service Only)*

**State**

Governors' Advisory Committee, Legislative Initiative: "Teen Suicide Prevention for Florida "--(2005-6)

**University of Florida**

Tenure and Promotion committee, (2010-2015)

**UF Department of Behavioral Science and Community Health**

UF-BSCH- Social Committee (2007-8)

UF-BSCH -PhD committee (2008- 2015)

UF-BSCH – Director PhD Public Health (2008-2015)

UF-PhD in Public Health, Program Directors Committee (2009-2015)

**UF College of Public Health and Health Professions – Major Committees**

UF-PHHP- Research Committee (2008-10)

UF-PHHP- Faculty Incentive committee (2011-2012)

UF-PHHP Financial aid & scholarship committee (2014-2015)

**University of Central Florida**

CHPS- School of Communication Sciences and Disorders (CSD)- (2019-2021) Master Program Committee

CHPS -School of Communication Sciences and Disorders (CSD)- Chair -Innovation and development committee (2019-present)

CHPS -School of Communication Sciences and Disorders (CSD)- Faculty Counsel member (2019-present)

COHPA-Department of Communication Sciences and Disorders (CSD)- Tenure and promotion committee (2015-2017)

COHPA-Department of Communication Sciences and Disorders (CSD)- (2015-2019) PhD development committee

COHPA-Department of Communication Sciences and Disorders (CSD)- (2017-2018) Master Program Committee



**University of Central Florida- College of Health Professions & Sciences College**

CHPS – College Research Task force (2019- present)

CHPS – Chair, Tenure and Promotion committee – faculty and Instructor/ lecturer (2018-present)

CHPS – Chair, RSD-PhD Development Committee (2018-present)

COHPA-Department of Communication Sciences and Disorders (CSD)-Population Sciences re-organization taskforce (2017- 2018)

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