

Beatrice Manduchi

Speech and Language Pathologist, Ph.D. Candidate, M.Sc., B.Sc.

Education

- 2019– **Ph.D., Rehabilitation Sciences, field Speech-Language Pathology**
 Rehabilitation Sciences Institute, University of Toronto, Canada
- Dissertation: *“Optimizing patient-reported outcome measurement of dysphagia in people with Head and Neck Cancer and the experience with swallowing interventions during cancer treatment”*
 - Supervisor: Dr. Rosemary Martino
- 2017– **M.Sc., Clinical Speech and Language Studies**
 Department of Clinical Speech & Language Studies, Trinity College Dublin, Ireland
- Dissertation: *“Interventions for Feeding and Swallowing Disorders in Adults with Intellectual Disability: A Systematic Review of Evidence”*
 - Supervisor: Dr. Margaret Walshe
 - Final results: Pass with Distinction
- 2013– **B.Sc., Speech and Language Pathology**
 2016 'L. Sacco' Department of Biomedical and Clinical Sciences, University of Milan, Italy
- Dissertation: *“Screening tool for the detection of verbal communication disorders in adult and elder patients with neurological impairments”*
 - Supervisor: Prof. Antonio Schindler
 - Final results: Full marks with Honors

Credentials

- 2020 **Dynamic Imaging Grade of Swallowing Toxicity (DIGEST) Certified Rater**
 University of Texas Cancer Center, United States
- Certified Rater of the Dynamic Imaging Grade of Swallowing Toxicity (DIGEST) scale, a scale designed to provide a global score of swallow safety and efficiency that has been validated in the head and neck cancer population.
- 2020 **Peer Mentor - Mentorship Foundations Training Program**
 University of Toronto, Canada
- Peer Mentor trained by Mentorship Foundations Program, a training for students who have obtained a peer mentor position in a mentorship program at the University of Toronto.
- 2020 **Toronto Bedside Swallowing Screening Test (TOR-BSST®) Certified Screener**
 University of Toronto, Canada
- Certified Trained Screener for the Toronto Bedside Swallowing Screening Test (TOR-BSST®), a tool employed to screen patients for the presence of swallowing difficulties early in the course of their disease.
- 2020 **The Modified Barium Swallow Impairment Profile ©™ Certified Rater**
 Northern Speech Services, United States
- Certified Clinical Rater of The Modified Barium Swallow Impairment Profile, or MBSImP, a standardized approach to instruction, assessment, and reporting of physiologic swallowing impairment based on observations obtained from Modified Barium Swallow studies.

Scholarships and awards

- 2023 **2023 University of Toronto Student Leadership Award (UTSLA)**
 ▫ Conferred by: University of Toronto.
- 2023 **Award in recognition of Research excellence – Student researcher**
 ▫ Conferred by: Department of Speech-Language Pathology, University of Toronto.
- 2023 **Paula A. Square Travel Award**
 ▫ Conferred by: Speech-Language Pathology Alumni Association

- *Value:* CAD \$ 500.00
- 2022 **2022-2023 K. M. Hunter Graduate Award**
 - *Conferred by:* Peterborough K. M. Hunter Charitable Foundation.
 - *Value:* CAD \$ 30,000.00
- 2022 **2022 University of Toronto Fellowship**
 - *Conferred by:* Rehabilitation Sciences Institute, University of Toronto.
 - *Value:* CAD \$3,000.00
- 2022 **2022 School of Graduate Studies Conference Grant**
 - *Conferred by:* School of Graduate Studies, University of Toronto.
 - *Value:* CAD \$760.00
- 2022 **Howell & Polatajko-Howell Student Conference Presentation Fund**
 - *Conferred by:* Drs. Walter Colston (Pete) Howell & Helene J. Polatajko-Howell Fund.
 - *Value:* CAD \$300.00
- 2022 **Best Oral Presentation – 2022 RSI Research Day**
 - *Conferred by:* Rehabilitation Sciences Institute
 - *Presentation:* Facilitators and barriers to implementation of swallowing therapies for Head and Neck Cancer patients: preliminary results from a qualitative study
 - *Value:* CAD \$300.00
- 2022 **Best Oral Presentation – 2022 DRS People’s choice award**
 - *Conferred by:* Dysphagia Research Society
 - *Presentation:* Content validity of Patient-Reported Outcome Measures for Dysphagia in Head and Neck Cancer: A Systematic Review using COSMIN methodology
- 2022 **Best Poster Presentation – 2022 DRS People’s choice award**
 - *Conferred by:* Dysphagia Research Society
 - *Presentation:* Translation and linguistic validation of the DIGEST™ into Italian for people with Head and Neck Cancer
- 2022 **DRS Travel Bursary**
 - *Conferred by:* Dysphagia Research Society.
 - *Value:* CAD \$195.00
- 2021 **2021-2022 K. M. Hunter Graduate Award**
 - *Conferred by:* Peterborough K. M. Hunter Charitable Foundation.
 - *Value:* CAD \$ 10,000.00
- 2021 **2021-2022 Mary H. Beatty Fellowship**
 - *Conferred by:* School of Graduate Studies, University of Toronto.
 - *Value:* CAD \$ 10,000.00
- 2021 **University of Toronto Graduate Students’ Union 2020 Conference Bursary**
 - *Conferred by:* School of Graduate Studies, University of Toronto.
 - *Value:* CAD \$ 250.00
- 2020 **2020-2021 Mary H. Beatty Fellowship**
 - *Conferred by:* School of Graduate Studies, University of Toronto.
 - *Value:* CAD \$ 10,000.00
- 2018 **Ti Premio Socio Award**
 - *Conferred by:* Banca Carim - Cassa di Risparmio di Rimini S.p.A., Rimini, Italy, to 15 of the most deserving recent graduates of 2017 distinguished for the brilliant course of study.
 - *Value:* € 500.00

Employment

Clinical and research activities

- 2018– **Clinical Research Assistant**
 2019 Department of Clinical Speech & Language Studies, Trinity College Dublin, Ireland
 ▫ Provision of assistance on academic projects relating to swallowing and communication disorders.
- 2016– **Speech and Language Pathologist**
 2017 Luigi Sacco University Hospital, Otolaryngology Unit, Milan, Italy
 ▫ Assessment and management of eating, drinking and swallowing difficulties, in adults and elders with Head and Neck Cancer, cardiovascular diseases and neurodegenerative disease in acute, post-acute and chronic stage.
- 2016– **Speech and Language Pathologist**
 2017 Imparole Cooperative, Cernusco S/N, Milan, Italy
 ▫ Assessment and management of eating, drinking and swallowing difficulties and acquired communication disorders in adults and elders with chronic impairments at patient's home.

Teaching activities

- 2022 **Lecturer for Undergraduate Course**
 University of Toronto, ON Canada
 ▫ “JLS473 – Adult Speech and Language Disorders”
- 2020– **Teaching Assistant for M.H.Sc., Speech-Language Pathology**
 2023 Department of Speech-Language Pathology, University of Toronto, ON Canada
 ▫ “SLP1536 – Swallowing Disorders”
 ▫ “SLP1502 – Anatomy and Embryology”
 ▫ “SLP1528 – Research in Speech-Language Pathology”
- 2020 **Examiner for M.H.Sc., Speech-Language Pathology**
 Department of Speech-Language Pathology, University of Toronto, ON Canada
 ▫ “SLP1520 - Principles of Clinical Practice”
- 2019 **Examiner for Postgraduate Diploma, Swallowing disorders**
 European Society for Swallowing Disorders, Universitat Autònoma de Barcelona, Spain
 ▫ “Critical evaluation of research literature on dysphagia”
- 2018 **Lecturer for M.Sc., Clinical Speech & Language Studies**
 Department of Clinical Speech & Language Studies, Trinity College Dublin, Ireland
 ▫ “SL7017 - Research project planning – Systematic Reviews of Evidence”
 ▫ “SL7017 - Critically Appraised Topics”
- 2018– **Teaching Assistant for B.Sc., Clinical Speech & Language Studies**
 2019 Department of Clinical Speech & Language Studies, Trinity College Dublin, Ireland
 ▫ “SLU11001 - Foundation Clinical Studies”
 ▫ “SLU22006 - Assessment of Disorders of Language and Communication”
 ▫ “SLU33004 - Intervention for Disorders of Language and Communication”

Courses development

- 2022– **Creator and Instructor for CEU course**
 Logos Academy, Milan, Italy
 ▫ “La ricerca in Logopedia: un primo approccio alla letteratura scientifica” (“*Research in Speech-Language Pathology: first approach to the scientific literature*”): 15 hours CEU (Continuing Education Units) course offered to Italian trainees and professional Speech-Language Pathologists on basic research methods and evidence-based practice in the field of Speech-Language Pathology. Co-instructors: Manduchi B, Battel, I.

Mentorship and supervisory activities

- 2020– **Mentor for Swallowing Lab volunteer students**
University of Toronto, Canada
- Provision of mentorship to two 2nd year students of the MHS in Speech-Language Pathology, who joined the Swallowing lab of Dr. Rosemary Martino as volunteer students.
- 2020– **Mentor for RSI Mentorship Program**
University of Toronto, Canada
- Provision of mentorship to 2 PhD students in the Rehabilitation Sciences Institute at University of Toronto.
- 2020– **Mentor for GLSE Graduate Shadowing Program**
University of Toronto, Canada
- Provision of mentorship to 4 Undergraduate students in the Life Sciences Program at University of Toronto.
- 2017– **Co-Supervisor for B.Sc. (Speech and Language Pathology) Program**
2018 'L. Sacco' Department of Biomedical and Clinical Sciences, University of Milan, Italy
- Co-supervision for thesis project of final year student in B.Sc. Speech and Language Pathology. Dissertation title: “*Protocol for the assessment of Aphasia, Dysarthria and Apraxia for Speech – Narrative review of the literature*”

Publications and presentations

Peer-reviewed journal articles

- **Manduchi B.**, Che V, Fitch M, Ringash J, Howell D, Martino R. “Psychometric Properties of Patient-Reported Outcome Measures for Dysphagia in Head and Neck Cancer: A Systematic Review Protocol using COSMIN Methodology”. *Systematic Reviews (BMC)*, 2022 Feb. doi: [10.1186/s13643-022-01903-w](https://doi.org/10.1186/s13643-022-01903-w)
- Khan M, **Manduchi B.**, Rodriguez V, Fitch M, Hutcheson K, Martino R. “Exploring Patient Experiences with A Telehealth Approach for the PRO-ACTIVE trial Intervention in Head and Neck Cancer Patients”. *BMC HSR*, Jan 2022. In press.
- Baijens LWJ, Walshe W, Aaltonen L, Arens C, Cordier R, Cras P, Crevier-Buchanan L, Golusinski W, Govender R, Grau Eriksen J, Hansen K, Heathcote K, Hess MH, Hosal S, Klußman JP, Leemans CR, McCarthy D, **Manduchi B.**, Nouraei R, Parkes C, Pflug C, Pilz W, Regan J, Rommel N, Schindler A, Schols AMWJ, Speyer R, Succo G, Wessel I, Willemsen ACH, Yilmaz T, Clavé P. “European White Paper: Oropharyngeal Dysphagia in Head and Neck Cancer”. *European Archives of Oto-Rhino-Laryngology*, 2020 Dec. doi: [10.1007/s00405-020-06507-5](https://doi.org/10.1007/s00405-020-06507-5)
- **Manduchi B.**, Walshe M, Burke E, Carrol R, McCallion P, McCarron M. “Prevalence and Risk Factors of Choking in Adults with Intellectual Disability: Results from a National Cross-sectional Study”. *Journal of Intellectual & Developmental Disability*, 2020 June. doi: [10.3109/13668250.2020.1763278](https://doi.org/10.3109/13668250.2020.1763278)
- **Manduchi B.**, Fainman GM, Walshe M. “Interventions for Feeding and Swallowing Disorders in Adults with Intellectual Disability: A Systematic Review of the Evidence”. *Dysphagia*, 2020 Apr; 35(2), 207-219. doi: [10.1007/s00455-019-10038-5](https://doi.org/10.1007/s00455-019-10038-5)
- Smith M, **Manduchi B.**, Burke E, Carrol R, McCallion P, McCarron M. “Communication difficulties in adults with Intellectual Disability: Results from a national cross-sectional study”. *Research in Developmental Disabilities*, 2020 Feb; 97:103557. doi: [10.1016/j.ridd.2019.103557](https://doi.org/10.1016/j.ridd.2019.103557)

Conference posters and abstracts

- **Manduchi B.**, Fitch M, Ringash J, Howell D, Martino R. “A Core Outcome Set for patient-reported dysphagia for use in Head and Neck Cancer clinical trials: an international multistakeholder Delphi study”. Submitted to *AHNS 11th International Conference on Head and Neck Cancer*
- **Manduchi B.**, Fitch M, Ringash J, Howell D, Hutcheson K, Martino R. “Experiences of Head and Neck Cancer patients with behavioural swallowing interventions during Radiotherapy as part of the PRO-ACTIVE Clinical Trial”. Submitted to *AHNS 11th International Conference on Head and Neck Cancer*

- **Manduchi B.** Fitch M, Ringash J, Howell D, Hutcheson K, Martino R. “Experiences of Speech-Language Pathologists providing swallowing interventions for Head and Neck Cancer during Radiotherapy as part of the PRO-ACTIVE Clinical Trial”. Accepted for oral presentation at *2023 Dysphagia Research Society Annual Meeting*
- **Manduchi B.** Schindler A, Battel I, Pizzorni N, Moorhead AP, Hutcheson K, Martino R. “The Italian Penetration-Aspiration Scale (IT-PAS) for dysphagia instrumental assessment: Translation and cultural adaptation”. Poster presentation. *2022 ESSD Annual Meeting*
- **Manduchi B.** Fitch M, Ringash J, Howell D, Hutcheson K, Martino R. “Proactive vs reactive swallowing interventions for people with Head and Neck Cancer during radiotherapy: the SLP experience”. Poster presentation. *2022 ESSD Annual meeting*
- **Manduchi B.** Fitch M, Ringash J, Howell D, Martino R. “Patient activation during swallowing therapy for Head and Neck cancer patients undergoing radiotherapy: a qualitative study”. Oral presentation. *2022 CAPO/IPOS Annual meeting*. Journal of Psychosocial Oncology Research and Practice (2022)4:S1
- Martino R, Khan M, **Manduchi B.** Rodriguez V, Fitch M, Barbon C, McMillan H, Hutcheson K. “Exploring Patient Experiences with A TeleHealth Behavioural swallowing intervention for the PRO-ACTIVE trial patients with Head and Neck Cancer”. Poster presentation. *2022 MASCC/ISOO Annual meeting*
- **Manduchi B.** Fitch M, Ringash J, Howell D, Martino R. “Facilitators and barriers to implementation of swallowing therapies for Head and Neck Cancer patients: preliminary results from a qualitative study”. Poster presentation. *2022 MASCC/ISOO Annual meeting*
- **Manduchi B.** Che V, Fitch M, Ringash J, Howell D, White J, Martino R. “Content validity of Patient-Reported Outcome Measures for Dysphagia in Head and Neck Cancer: A Systematic Review using COSMIN methodology”. Oral presentation. *2022 Dysphagia Research Society Annual Meeting*
- **Manduchi B.** Schindler A, Battel I, Pizzorni N, Moorhead AP, Hutcheson K, Martino R. “Translation and linguistic validation of the DIGEST™ into Italian for people with Head and Neck Cancer”. Poster presentation. *2022 Dysphagia Research Society Annual Meeting*
- **Manduchi B.** Che V, Fitch M, Ringash J, Howell D, Martino R. “Psychometric Properties of Patient-Reported Outcome Measures for Dysphagia in Head and Neck Cancer: A Scoping Review”. Poster presentation. *2021 Dysphagia Research Society Annual Meeting*
- Khan M, **Manduchi B.** Rodriguez V, Fitch M, Hutcheson K, Martino R. “Exploring Patient Experiences with A Telehealth Approach for the PRO-ACTIVE trial Intervention in Head and Neck Cancer Patients”. Poster presentation. *2021 Dysphagia Research Society Annual Meeting*
- **Manduchi B.** Walshe M. “Managing Swallowing disorders in Adults with Intellectual disability: A Systematic Review of the Evidence”. Poster presentation. *Dysphagia*, 2019; 34(720). doi: 10.1007/s00455-019-10009-w
- Bhagwat A, **Manduchi B.** Walshe M, Harpur I. “Effectiveness of Chin Tuck in Prevention of Aspiration in Acquired Neurological Population: A Systematic Review”. Poster presentation. *European society for Swallowing Disorders (ESSD) Annual Congress 2018*, Dublin.

Books and Chapters

- Tzelnick S, **Manduchi B.** Sahovaler A, Irish JC, Martino R. “25. Swallowing”. In: Head and Neck Surgery (2nd ed.). Ed. Gady, Cherie-Ann. Thieme. In print.

Online resources

- **Manduchi B.** Fitch M, Ringash J, Howell D, Martino R. “A Delphi study to derive a Core Outcome Set for patient-reported outcomes related to dysphagia in Head and Neck Cancer”. COMET initiative database 2021. Available from: <https://www.comet-initiative.org/Studies/Details/1870>
- **Manduchi B.** Che V, Fitch M, Ringash J, Howell D, White J, Martino R. “Psychometric properties of patient-reported outcome measures for dysphagia in head and neck cancer: a systematic review using COSMIN methodology”. PROSPERO 2021 CRD42021237877. Available from: https://www.crd.york.ac.uk/prospero/display_record.php?ID=CRD42021237877

Audio publications

- **Manduchi B**, Battel I (Co-hosts). Italian podcast “Disfagia in evidenza” (“Dysphagia on Evidence”). First episode release date: June 2021. Available from: <https://www.spreaker.com/show/disfagia-in-evidenza>

Invited presentations

- 2022 “Dysphagia management in people with Head and Neck Cancer post-chemoradiotherapy”
Dysphagia and malnutrition in the Head and neck Cancer patient – Webinar
Associazione italiana oncologia cervico cefalica (AOICC)
- 2022 “How to critically read a scientific abstract in Speech-Language Pathology”
LogosTime Lab
LogosAcademy, Milan, Italy
- 2021 “Patient-reported outcome measures in dysphagia: their importance for clinical and research practice”
4th Annual Theory to Therapy Conference.
Ontario Graduate Audiology & Speech Language Pathology Union
- 2021 “Current research and perspectives from Toronto”
MSc, Clinical Speech & Language Studies (Dysphagia)
Trinity College Dublin, Dublin, Ireland
- 2021 “Patient-Reported Outcomes in dysphagia clinical and research practice”
MSc, Speech therapy in the surgical, audiological, ENT, orthodontic area.
University of Padua, Padua, Italy
- 2021 “Speech and Language Pathology in Canada”
CEU course “Speech and Language Pathology abroad”
Ipertesto Association, Italy
- 2020 “Integrating Theory and Practice: The ITP Loop”
RSI Speaker Series - Balancing Clinical & Research Work: The Student Perspective.
University of Toronto, Canada
- 2019 “Incidence and risk factors of choking in adults with Intellectual Disability: Preliminary results from the IDS-TILDA study”
Research Seminar Day
Trinity College Dublin, Dublin, Ireland

Academic service

- 2021– Academic Journal Reviewer for: “Dysphagia”, “Frontiers in Rehabilitation Sciences”, “Canadian Oncology Nursing Journal”, “Journal of Applied Research in Intellectual Disabilities”, “Folia Phoniatrica et Logopaedica”
- 2021– Conference Abstract Reviewer - “Rehabilitation Sciences Institute Research Day”
University of Toronto, Toronto, Canada

Memberships and Committees

- 2022– **Member**, Canadian Association of Psychosocial Oncology, Toronto, ON, Canada
- 2022– **Member**, National Student Speech Language Hearing Association (NSSLHA), Rockville, Md, USA
- 2021– **Co-Chair**, Rehabilitation Sciences Institute Student Union Research Day Committee. University of Toronto, Canada
- 2021– **Committee Member**, SLPhD Network - Speech-Language Pathology in Doctoral training network, European Speech and Language Therapy Association (ESLA)
- 2021– **Committee Member (Student representative)**, Speech-Language Pathology Department Awards Committee. University of Toronto, Canada

- 2020– **Committee Member (Student representative)**, *Program and Curriculum Committee*. University of Toronto, Canada
- 2020– **Committee Member**, *Rehabilitation Sciences Institute Student Union Research Day Committee*. University of Toronto, Canada
- 2020– **Member**, *Dysphagia Research Society*. Kimberly, WI, USA
- 2019– **Committee Member**, *Head & Neck Forum of SLPs in Head and Neck Cancer*. St. James's Hospital, Dublin, Ireland
- 2018– **Member**, *European Society for Swallowing Disorders*. Barcelona, Spain
- 2016– **Member**, *Italian Federation Speech Therapist*. Milan, Italy

Community and volunteer activities

- 2021 **International students Focus Group Stakeholder**
University of Toronto
- I served as international student consultant for an initiative led by the Career and Co-Curricular Learning Network at the University of Toronto. This initiative seeks at collecting international students' experiences and tips to support incoming international students in their future academic journeys. By taking part to focus group, I will contribute to the development of a free online resource for first-year international students who intend to study at a postsecondary institution in Ontario.
- 2021– **“Disfagia in Evidenza” Podcast founder and co-host**
Speaker
- The "Dysphagia in Evidence" podcast was created for the Italian community of SLP trainees and healthcare professionals working in the field of dysphagia with the aim of educating on the importance of research and practicing according to the latest and most robust evidence. The topics of our 20-minutes episodes focus on how to read research articles, how clinical trials are structured, understanding different types of research designs and discussing cutting-edge research currently undergoing in this field.
- 2021 **Diversity, Equity, and Inclusion Group Stakeholder**
Dysphagia Research Society (DRS)
- I was part of the “Equity, Diversity and Inclusion (DEI) Group” of the Dysphagia Research Society, an initiative aiming at implementing DEI into the DRS. Through focus group meetings, the group will discuss how DRS can cultivate a more inclusive environment and strategies to implement towards this goal.
- 2019 **Healthcare Professional Stakeholder**
National Cancer Registry of Ireland and the Irish Cancer Society
- I was part of the “Patient Voice in Cancer Research Group” as professional stakeholder. This initiative sought to gather patients and clinicians to discuss the most relevant issues that cancer patients experience in the survivorship phase of cancer trajectory. The discussion yielded to the development of a survey investigating the survivorship needs of cancer patients.
- 2018 **Volunteer Organization Committee Member**
European Society of Swallowing Disorders
- I volunteered as member of the organization committee of the 8th Congress of the European Society of Swallowing Disorders. I contributed to the organization and management of volunteer students throughout the event and to the organization of the Pre-Congress workshop called "Fiberoptic Endoscopic Evaluation of Swallowing (FEES) Course".
- 2018 **Volunteer Speech-Language Pathologist Assistant**
Mater Misericordiae University Hospital, Dublin, Ireland
- Provision of assistance for SLP services for adults and elders with acquired communication disorders, voice disorders, eating, drinking and swallowing difficulties. Instrumental assessment assistance; project assistance; conversational partner and therapy assistance.
- 2015– **Volunteer Speech-Language Pathology Student**
2016 Villa Beretta, Valduce Hospital Rehabilitation Unit, Costa Masnaga, Italy
- Provision of assistance for SLP services for adults and elders with acquired communication disorders, voice disorders, eating, drinking and swallowing difficulties, due to severe brain injury, cardiovascular disease, respiratory conditions and neurodegenerative diseases.

Technical skills and languages

- Proficient and experienced user of Microsoft Office Package (Word, PowerPoint, Excel, Outlook) and Adobe for Windows and Mac OS.
- Proficient user of statistical software for data management and analysis: IBM SPSS Statistics for Windows and Mac OS; R Core Team.
- Proficient user of qualitative data analysis software: NVivo (QSR International)
- Proficient and experienced user of reference management software: Endnote, Mendeley, Covidence.

- Italian Native speaker
- English Highly proficient in spoken and written English
- Spanish Proficient in spoken and written Spanish