

# CURRICULUM VITAE

DR. MARISSA A. BARRERA, PHD, MSCS, CCC-SLP

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## Education:

The Graduate Center, City University of New York, 365 Fifth Avenue, New York, NY 10016

### **Doctor of Philosophy (PhD) in Speech-Language & Hearing Science.**

Topic: "The effect of physical fatigue on expressive language skills in individuals with MS."

September, 2006 - Completion, November 2016, Graduation, February 2017

Mode: Classroom

The Graduate Center, City University of New York, 365 Fifth Avenue, New York, NY 10016

### **Master of Philosophy (MPhil) in Speech-Language & Hearing Science.**

September 2006 - Completion May 2011, Graduation, May 2011

Mode: Classroom

Teachers College, Columbia University; 525 West 120th St, New York, 10027

### **Master of Science (MS), Speech-Language Pathology**

September 2003 - Completion May 2005, Graduation, May 2005

Mode: Classroom

Marymount Manhattan College; 221 East 71st, New York, NY, 10021

**Bachelor of Arts (BA)** Major: Communication Science & Disorders; Major GPA 4.0; Minors: Education, Biology & Sociology.

September 1999- Graduation May 2003; Summa Cum Laude, Cumulative GPA 3.93

Mode: Classroom

## Licenses:

### **State of New Jersey, Speech-Language Pathology License- 41YS00522400**

September 2006-Expiration 10/31/2019

### **State of New York, Speech-Language Pathology License- 016751-1**

September 2006-Expiration 9/30/2020

## Certifications:

CPR and AED for Healthcare Professionals

Good Clinical Practices: Protection of Human Research Participants (GCP)

Health Insurance Portability and Accountability Act (HIPAA)

CAQH Provider ID# 11867073

## **Clinical Certifications:**

Multiple Sclerosis Certified Specialist (MSCS) #2090271  
ASHA Certificate of Clinical Competence (CCC-SLP) #12078921  
National Provider ID (NPI)#1396960837  
Flexible Endoscopic Evaluation of Swallowing (FEES)  
Lee Silverman Voice Treatment (LSVT)- # NYNY0806-04  
Guardian Therapy- Certified Clinician & Training Course Instructor  
VitalStim Provider- #59768

## **Clinical Work Experience:**

**September '08- Present: New York Neurogenic Speech-Language Pathology, P.C. [www.nyneuroslp.com](http://www.nyneuroslp.com)**  
**180 W 80<sup>th</sup> Street, New York, NY 10024**

**Founder/Owner, Medical Speech-Language Pathologist**

**Responsibilities,** Supervise five medically focused Speech-Language Pathologists, 10 graduate students and two administrative assistants. Oversee the treatment of approximately 600 patients per month from birth to adulthood. On a daily basis review clinician schedules, manage office finances including budgeting, payroll, equipment ordering and bank deposits, review and approve clinical documentation in our electronic medical record, and conduct performance evaluations. Develop practice management strategies and departmental policies and procedures.

**Practice Description:** Evaluation and treatment for children and adults (monolingual and bilingual) with developmental and neurological disabilities. Disorders include Multiple Sclerosis, Voice Dysfunction, Movement Disorders, Progressive Supranuclear Palsy, Stroke, Tardive Dyskinesia, Apraxia, Dysarthria, Traumatic Brain Injury, PD, Alzheimer's Disease, HIV/AIDS, Velopharyngeal Insufficiency, Trach/Vent and Head and Neck Cancer. The center is a certified MS Partner inn Care by the National MS Society

**July '12- December '18: ASPIRE CENTER for Health + Wellness, LLP [www.nyaspire.com](http://www.nyaspire.com)**  
**2332 Coney Island Avenue, Brooklyn, NY, 11223**

**Founder/Owner, Medical Speech-Language Pathologist**

**Responsibilities,** Supervise two Medical Speech-language Pathologists, three Physical Therapists, one Occupational Therapist, and four administrative staff members. Oversee the multidisciplinary treatment of approximately 700 patients per month. On a daily basis review clinician schedules, manage office finances including budgeting, payroll, equipment ordering and bank deposits, review and approve clinical documentation in our electronic medical record, and conduct performance evaluations.

**Practice Description:** The ASPIRE Center for Health + Wellness is New York City's largest Health + Wellness center. With over 4,000 square feet of barrier free facility, ASPIRE as the privilege of treating patients from all over the world. We offer expert clinical care in the following disciplines: Physical Therapy, Occupational Therapy, Speech-Language Pathology, Swallowing Therapy, and Cognitive Rehabilitation. Treatment is provided to children from 6 months of age to adulthood (monolingual and bilingual). The center is a certified MS Partner inn Care by the National MS Society

**January '11- July '17: Spectramed Inc. [www.spectraemedonline.com](http://www.spectraemedonline.com)**

**Co-Creator & International Instructor of Guardian Way NMES & sEMG Dysphagia Training Course**

**Responsibilities:** Co-creator and developer of The GUARDIAN WAY<sup>®</sup> NMES/sEMG course curriculum, obtained ASHA continuing education (CEU) approval, and provide in-person and web-based training courses for rehabilitation professionals on the topic Neuromuscular Electrical Stimulation (NMES) and surface electromyography (sEMG) for the treatment of dysphagia (swallowing dysfunction) across America, Europe, the Middle East and Asia. Developed ASPIRE 2 handheld stimulator, which is a FDA approved multidisciplinary electrotherapy stimulator.

**August '07- March '12: The Raymond Naftali Center for Rehabilitation, Inc.**

**508 West 26<sup>th</sup> Street 10<sup>th</sup> Floor, New York, NY, 10001**

**Chief, Speech-Language Pathologist**

**Responsibilities,** Supervise 3 Medical Speech Language Pathologists, and 4 graduate students. Provide medical rehabilitation services (speech-pathology, swallowing, cognition, physical therapy, occupational therapy and vestibular rehabilitation) for persons with neurologic disabilities across the lifespan (monolingual and bilingual).

**June '05- August '09: Metropolitan Communication Associates**

**41-51 East 11<sup>th</sup> Street 4<sup>th</sup> Fl, New York, NY, 10001.**

**Executive Director/Owner**

Provide evaluation and speech treatment of clients with developmental and neurological disorders including Autism, Apraxia, Multiple Sclerosis, Parkinson's Disease, Cerebral Palsy, Tardive Dyskinesia, Head and Neck Cancer, Traumatic Brain Injury, Stroke, Voice, Fluency and Dysphagia. Patient populations included monolingual and bilingual individuals.

**September '05- December '07: Speech & Hearing Associates @ Trinitas Hospital. Department of Physical Medicine & Rehabilitation, 240 Williamson Street, Elizabeth, NJ.**

**Medical Speech-Language Pathologist**

Specialized in the evaluation and treatment of Intensive Care Unit (ICU) patients. Provide inpatient evaluations/treatment for individuals with Dysphagia, Tracheotomies, Head and Neck Cancer, Traumatic Brain Injury, Aphasia, Cognitive disorders, and individuals who are Ventilator dependent. Provide inpatient and outpatient evaluation and treatment for Aural Rehabilitation, Articulation, Fluency, Language and Voice disorders.

**April '05-June '05: Private Practice with Dr. Mona Greenfield, New York, NY.**

**Graduate Clinician**

Provide therapy for adults with Parkinson's Disease, Multiple Sclerosis and Bradykinesia. Medicare AAC Funding Reports. Group Aphasia Therapy.

**August '04-December '04: Manhattan Eye, Ear and Throat Hospital, New York, NY.**

**Graduate Speech Clinician**

Head and Neck Cancer, Total Laryngectomy, Tracheoesophageal Speech (TEP), Voice Disorders, Velopharyngeal Insufficiency (VPI), Cleft Palate, Aural Rehabilitation, Clinical Bedside Swallowing Examinations, Child Speech and Language Therapy.

**Academic Appointments [Graduate School]:**

***Yeshiva University, The Katz School of Science & Health, Graduate Program in Speech-Language Pathology (Masters in Science), New York, New York.***

***August 2017- Present***

Program Director for the Graduate Program in Speech-Language Pathology (medically focused)

***Yeshiva University, The Katz School of Science & Health, Graduate Program in Speech-Language Pathology (Masters in Science), New York, New York.***

***August 2019- Present***

Associate Professor

Present - Adult Acquired Motor Speech Disorders, Aphasiology, Geriatric Dysphagia and Airway Management, Higher Cognitive Disorders (Hybrid Instruction)

***Yeshiva University, The Katz School of Science & Health, Graduate Program in Speech-Language Pathology (Masters in Science), New York, New York.***

***June 2016- July 2019***

Assistant Professor

2017-2019 - Adult Acquired Motor Speech Disorders, Aphasiology, Geriatric Dysphagia and Airway Management, Higher Cognitive Disorders (Hybrid Instruction)

2016-2017 - Craniofacial Anomalies and Genetic Disorders, Professional Issues Level 1

***Baylor University, Robbins College of Health and Human Sciences, Graduate Program in Speech-Language Pathology (Masters in Science), Waco, Texas.***

***April 2020- Present***

Adjunct Faculty Instructor (Online Instruction)

Aphasiology

Responsibilities: Teach two sections of online graduate coursework each semester, provide mentorship to students, develop and refine course curriculum, and hold weekly office hours via Zoom.

***Nova Southeastern University, Dr. Pallavi Patel College of Health Care Sciences, Graduate Program in Speech-Language Pathology (Masters in Science), Davie, Florida.***

***January 2018- Present***

Adjunct Faculty Instructor (Online Instruction)

Adult Acquired Motor Speech Disorders, Adult Language Disorders

Responsibilities: Teach between 3 and 9 credits of online graduate coursework each semester, provide mentorship to students, develop curriculum, hold weekly office hours via Zoom, serve on academic committees (as needed), and collaborate with faculty members.

***Columbia University, Department of Communication Sciences and Disorder, Masters in Science Program (MS) New York, New York.***

***August 2014- January 2015***

Adjunct Professor of Voice Disorders

**CUNY, Lehman College, Department of Speech-Language Pathology, Masters in Arts Program (MA)  
Bronx, New York.**

**August 2008 – May 2014**

Adjunct Professor of Acquired Motor Speech and Swallowing Disorders  
Adjunct Professor of Voice Disorders

**CUNY, Hunter College, Department of Communications Sciences, Masters in Science Program (MS)  
New York, New York.**

**August 2008 – August 2011**

Adjunct Lecturer of Acquired Motor Speech and Swallowing Disorders  
Adjunct Lecturer of Voice and Fluency Disorders  
Adjunct Lecturer of Adult Neurogenic Disorders

**New York University, Department of Communications Sciences, Masters in Arts Program (MA), New  
York, New York.**

January 2007-January 2008

Seminar, Language and Literacy Across the Lifespan

Seminar, An Introduction to Neuroanatomy: Its Role in Reading & Writing Language Disorders

**Columbia University, Mailman School of Public Health, Masters in Public Health Program (MPH),  
New York, New York.**

September 2002- December 2003

Teachers Assistant, Social and Policy Implications of Bioterrorism

#### **Doctoral Committee Appointments:**

Dalal Alali, Doctor of Philosophy (PhD)

Topic: Dysphagia in Adults with Multiple Sclerosis

University of Sydney

Graduation: September 2019

Medved, M. Doctorate of Science (ClinScD)

Topic: *The Effect of Neuromuscular Electrical Stimulation (NMES) on Dysphagia Severity and the Role of Surface Electromyography (sEMG) in the Assessment and Treatment of Idiopathic Parkinson's Disease.* Rocky Mountain University of Health Professions. Provo, Utah.

Graduation: January 2019

#### **Honors and Awards:**

ASHA Media Outreach Champion Award – American Speech-Language-Hearing Association- 2020

Healthcare Professional Champion – Provider of the Year – National MS Society - 2019

National Association of Professional Women, VIP Woman of the Year- Circle for Scientific Achievement, 2015

Consortium of Multiple Sclerosis Centers, MS Rehabilitation Fellow, 2010

Teachers College, Columbia University Merit Scholarship, 2003-2004

Summa Cum Laude, Marymount Manhattan College, 2003  
H.Y. Benedict National Fellowship, Alpha Chi National Honor Society, 2003-2004  
Future Leader in Communication Sciences & Disorders Award, Awarded by the Marymount Manhattan College Alumni Assoc, Article featured in the *71<sup>st</sup> Magazine* Volume 11 Pages 8-9, 2003  
Alpha Chi Honor Society President, 2002-2003; Member 2002-2005  
Delta Kappa Pi Education Honor Society, 2002-Present  
Omicom Delta Kappa Leadership Honor Society, 2002-2003  
Marymount Manhattan College Honor's Colloquium Recipient, 2002  
Pilot International Traumatic Brain Injury Scholarship, 2002-2003  
Columbia University SSA Scholarship, 2002-2003  
Marymount Manhattan College Presidential Scholarship Recipient, 1999-2003  
Deans List, 1999-2003; High Honor Roll, 1996-1999

### **Membership and Professional Organizations:**

American Academy of Private Practice in Speech Pathology and Audiology (AAPPSPA)- 2014- Present  
American Speech-Language Hearing Association (ASHA)- Present Member  
American Speech-Language Hearing Association: SIG 2: Neurophysiology & Neurogenic Disorders- Present Member  
American Speech-Language Hearing Association: SIG 13: Swallowing Disorders (Dysphagia)  
American Public Health Association (APHA)- 2004-Present Member  
Consortium of Multiple Sclerosis Centers (CMSC), Professional Member- 2010-Present  
International Organization of MS Rehabilitation Therapists (IOMSRT)- 2010- Present  
National Aphasia Association, New York State Representative: 2008- Present  
New York Academy of Sciences  
New York Neuropsychological Group  
New Jersey Speech Language Hearing Association (NJSLHA)- Present Member  
New York State Speech Language Hearing Association (NYSSLHA)- Present Member  
Public Health Association on New York City (PHANYC)

### **Clinical Committees:**

Clinical Advisory Committee, NYC Chapter of the National Multiple Sclerosis Society- 2011-Present  
Clinical Advisory Board, Multiple Sclerosis Foundation- 2012-Present  
Groupstance, Mom Central Station Expert Advisory Panel for Pediatric Development, 2012  
Developmental Consult, NYC Department of Education, 2011-Present

### **Specialized Experiences:**

Online instruction (clinical and academic course work)– 2012-Present  
CEU Webinar development – 2011 - Present  
Independent medical examiner (children and adults)- 2011-Present

Development of speech language pathology electronic medical record (EMR); Consultant for WebPT-2012.

**Research Work Experience:**

November '05- September '06: Grants Specialist, Mailman School of Public Health, Columbia University, New York, NY.

*Responsibilities:* Prepare and manage all NIH 398/2590 and NSF grant applications for an Associate Professor in the Mailman School of Public Health (*please see Grants Submitted*). Specific job tasks include identifying RFA/PA, developing grant budgets with Microsoft Excel, researching background materials, gathering biosketches, soliciting letters of support and collaboration, preparing subcontract packages, serving as a liaison between the principal investigator and funding agencies, gathering pilot data, preparing/submitting IRB protocols in Rascal, developing of consent forms, maintaining HIPAA compliance, and performing research literature searches via OVID. Write abstracts, attend various professional conferences, and disseminate original research (oral/poster presentations)

June '05 –February '06: Grants and Research Consultant, State University of New York (SUNY), . College of Optometry, New York, NY.

*Responsibilities:* Prepare and submit Department of Defense (DoD) grant application entitled, “*Provision of Emergency Eye Care in a Large Urban Setting: Teaching Sight Saving First Aid to*

*Emergency Personnel.*” Specific job tasks include: developing the grant budget, researching needs assessment materials, researching background materials, gathering biosketches, soliciting letters of support and collaboration, preparing subcontract package, serving as a liaison between the principal investigator, Dr. Mitchell Dul and DoD, and collaborating with various branches of the military (i.e., Navy, JAG, DoD, Army).

September '03- September '05: Research Manager, Mailman School of Public Health, Columbia University, New York, NY.

*Responsibilities:* Prepare and manage all NIH 398 and 2590 grant applications for an Associate Professor in the Mailman School of Public Health (*please see Grants Submitted*). Specific job tasks include assisting with manuscript development, organizing focus groups, preparing/submitting IRB protocols in Rascal, developing consent forms, maintaining HIPAA compliance, preparing quarterly and final project reports, developing grant budgets with Microsoft Excel, submitting check requests and business and travel expense reports, managing multiple petty cash accounts, performing research literature searches via OVID, compile, prepare, and type grant text, gathering biosketches, soliciting letters of support, preparing subcontract packages, and serve as a liaison between the principal investigator and funding agencies (i.e., NIOSH, NIMH, NIEHS, NIDCD, HRSA, etc.) Coordinate numerous research projects for currently funded grants (*please see past Research Support*).

March '02- August '03: Senior Clerk: Research Assistant, Mailman School of Public Health, Columbia University, New York, NY.

*Responsibilities:* Work along side Principal Investigator to prepare and manage NIH 398/2590 grant applications (*please see Grants Submitted Under My Supervision*), subcontracts and consultant packages. Develop grant budgets with Microsoft Excel, perform research literature searches with CLIO and OVID, prepare and type grant text, organize correspondence between the principal investigator

and funding agency, prepare IRB protocols, assist with consent form development, assist with preparation of quarterly and final closeout reports, assist with check requests and business and travel expense reports.

June '01 – February '02: Clerk A: Research Assistant, Mailman School of Public Health, Columbia University, New York, NY.

*Responsibilities:* Conduct research literature searches, contact funding agencies, assist with NIH 398 and 2590 grant applications, gather biosketches, letters of support, assist with subcontracts, create and format questionnaires, evaluations, and tables, enter research data, type grant text, prepare grant budgets with Microsoft Excel, research background materials, assist with IRBs, maintain computer files and agency correspondence. Coordinate research projects for active grants.

### **Monographs:**

**Barrera, M.A.,** & O'Connor Wells, B. (2019). Chapter 6: A Hard Pill to Swallow. In O'Connor Wells, B. and Porcaro, C. (Eds.), *A Caregivers Guide to Aging*. Johns Hopkins University Press. [In press]

Scheyer, R., & **Barrera, M.A.** (2014). Chapter 16: Multiple Sclerosis: Intervention Strategies for Rehabilitation. In O'Sullivan, S.B., Schmitz, T.J., Fulk, G.D. (Eds.), *Physical Rehabilitation, 6th Edition* (pp. 746-756). Philadelphia, PA: F.A. Davis Company.

### **Published Papers and Articles:**

**Barrera, M.A.,** & O'Connor Wells, B. (2019). Presbyphagia Versus Dysphagia: Normal Versus Abnormal Swallowing Symptoms in Older Adults With Parkinson Disease and Multiple Sclerosis. *Topics of Geriatric Rehabilitation*. 35(3): 217-233.

**Barrera, M.A.** (2019). 5 Surprising Symptoms Associates with MS. *MS Focus- Spring Edition* Vol. 21 (2)12-13.

**Barrera, M.A.,** & Medved, M.A. (2014). Dysphagia 101. *MS Focus- Winter Edition* Vol. 16(1) 32-34.

**Barrera, M.A.** (2013). You Want Me to Swallow That? Tips for Safe Swallowing. *MS Connection-Spring Edition*, pg 11-12.

**Barrera, M.A.** (2012). When Words Won't Come Easy: Understanding and Improving MS Speech and Communication Symptoms. *MS Focus- Fall Edition* Vol. 14 (4) 47-49.

**Barrera, M.A.** (2012). Can You Hear Me Now? Budget Friendly Assistive Technology Products. *MS Focus- Fall Edition* Vol. 14 (4) 50-52.

**Barrera, M.A.** (2011). Can you repeat that please? MS & Communication Disorders. *MS Connection-Fall Edition*, pg 7-8.

**Barrera, M.A.** (2009). Communication 101:MS & Cognitive-Communication Disorders. *MS Connection Winter Edition*, pg 13.

Gershon R.R.M., Neitzel R, **Barrera M.A.**, Akram M. (2006). Pilot Survey of Subway and Bus Stop Noise Levels. *Journal of Urban Health*. 83(5):802-12.

Gershon, R.R.M., Qureshi, K.A., **Barrera, M.A.**, Erwin, M.J., Goldsmith, F. (2005). Health and Safety Hazards Associated with Subways. *Journal of Urban Health*, 82(1):10-20.



## **International and National Abstracts [invited oral, poster and teleconference presentations]**

**Barrera, M.A.** (2020). *The Clinical Application of Ultrasound for the Rehabilitation of Swallowing*. RehabMedTech & Innovation Online Symposium (REMTIOS). GSBE Global Academy. Hong Kong. [invited lecture]

**Barrera, M.A.** (2020). *Advances in Treatment of Speech & Swallowing Disorders for Persons With Multiple Sclerosis: What every patient needs to know?* Multiple Sclerosis Foundation: Expert Teleconference Series. [nationally syndicated presentation].

**Barrera, M.A.** (2020). *Effective Treatment Planning in Dysphagia Management: The Use of Ultrasound, EMST and Therapeutic Exercise*. QDS Clinical Training Series. Doha, Qatar. [invited 3 day training course].

**Barrera, M.A. (2020).** *The Role of NMES and sEMG in Dysphagia Management Across the Lifespan: Clinical Use & Application for Healthcare Providers*. European University of Cyprus, Nicosia, Cyprus [invited faculty 2 day seminar].

Medved, M. A., Heape, A. B., & **Barrera, M. A.** (2019). *Effect of NMES on Dysphagia and the Role of sEMG in Adults with IPD*. ASHA Annual Convention. Orlando, FL.

**Barrera, M.A.** (2019). *Presbyphagia Versus Dysphagia: Normal Versus Abnormal Swallowing Symptoms in Older Adults With Parkinson Disease and Multiple Sclerosis*. 2<sup>nd</sup> World Aging and Rejuvenation Conference (ARC-2019), Berlin, Germany. [invited lecture]

**Barrera, M.A.** (2019). *The Role of NMES and sEMG in Dysphagia Management Across the Lifespan: Clinical Use & Application for Healthcare Providers*. Qatar Rehabilitation Institute, Hamad Medical Corporation. Doha, Qatar. [invited training course].

**Barrera, M.A.** (2019). *The Role of NMES and sEMG in Dysphagia Management Across the Lifespan: Clinical Use & Application of the Aspire 2*. Norsk Logopedlag. Oslo, Norway. [invited training course].

**Barrera, M.A.** (2019). *Effective Treatment Planning in Dysphagia Management: The Use of Ultrasound, EMST and Therapeutic Exercise*. Stark & Watson Training Symposium. Athens, Greece. [invited training seminar].

**Barrera, M.A.,** Karpatkin, H., & Kanter, S. (2019). *MS Rehabilitation: An Update for Clinicians to Enhance Clinical Practice*. National Multiple Sclerosis Society. New York, NY [invited nationally syndicated oral presentation].

**Barrera, M.A.** (2018). *Getting Back To Basics: An Integrated Clinical Approach to Assessment and Therapy of Dysphagia*. Laboratory of Interdisciplinary Approach for Improving Quality of Life, Technological Educational Institute of Crete. Heraklion, Crete. [invited 4 day training seminar].

**Barrera, M.A. & Fry, D.** (2018). *Facilitating Respiratory Enhancement in MS*. 2018 Annual Meeting of the Consortium of Multiple Sclerosis Centers. Nashville, TN. [invited faculty oral presentation].

**Barrera, M.A.** (2018). *The Clinical Application of Neuromuscular Taping for the Treatment of Swallowing Disorders*. McAllen Speech Symposium. McAllen, Texas [invited training course].

**Barrera, M.A., & Petrou, S.** (2018). *The Clinical Application of Neuromuscular Taping for the Treatment of Motor Speech and Swallowing Disorders*. Stark & Watson Clinical Training Symposium. Athens, Greece. [invited 2 day training course].

**Barrera, M.A., Goodell, P.O. & Karpatkin, H.** (2017). *The Effect of a Single Bout of Physical Exertion on Language Skills in Individuals with Multiple Sclerosis*. ASHA Annual Convention. Los Angeles, CA. [invited poster presentation].

**Barrera, M.A.** (2017). *The Role of NMES and sEMG in Dysphagia Management Across the Lifespan: Clinical Use & Application of the Aspire 2*. Qatar Rehabilitation Institute, Hamad Medical Corporation. Doha, Qatar. [invited training course].

**Barrera, M.A.** (2017). *sEMG and Neuromuscular Taping for the Management of Dysphagia*. PJ Therapeutics Speech Colloquium. Krakow, Poland. [invited training course].

**Barrera, M.A.** (2017). *The Clinical Application of Neuromuscular Taping for the Treatment of Motor Speech and Swallowing Disorders Across the Lifespan*. McAllen Speech Symposium. McAllen, Texas [invited training course].

**Barrera, M.A.** (2017). *The Role of Modalities in Dysphagia Management Across the Lifespan: An Introduction to NMES, sEMG and Neuromuscular Taping*. Athens Metropolitan College (AMC) Winter Colloquium. Morussi, Greece. [visiting faculty presentation].

**Barrera, M.A., & Blom, D.** (2017). *The Clinical Application of Neuromuscular Taping for the Treatment of Motor Speech and Swallowing Disorders*. Stark & Watson Clinical Training Symposium, Athens, Greece. [invited 2 day training course].

**Barrera, M.A., Goodell, P.O. & Karpatkin, H.** (2016). *The Effect of a Single Bout of Physical Exertion on Language Skills in Individuals with Multiple Sclerosis*. 4th Meeting of the International MS Cognition Society. New York, NY. [invited poster presentation].

**Barrera, M.A., & Calamusa, N.F.** (2016). *The Clinical Use and Application of NMES and sEMG for Dysphagia Across the Lifespan*. Filoktisis Rehabilitation Hospital. Athens, Greece. [invited keynote presentation].

**Barrera, M.A., Goodell, P.O. & Karpatkin, H.** (2016). *The Effect of a Single Bout of Physical Exertion on Language Skills in Individuals with Multiple Sclerosis*. 4th Meeting of the International MS Cognition Society. New York, NY. [invited poster presentation].

**Barrera, M.A.** (2016). *The Clinical Use and Application of NMES and sEMG in the Treatment of Motor Speech and Swallowing Disorders*. Association of Scientists of Speech Pathology/Speech Therapy of Greece (SELLE). Athens, Greece. [invited keynote presentation].

**Barrera, M.A.,** Goodell, P.O. & Karpatkin, H. (2016). *The Effect of a Single Bout of Physical Exertion on Language Skills in Individuals with Multiple Sclerosis*. 30<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. Baltimore, MD. [invited faculty oral presentation].

**Barrera, M.A.** & Calamusa, N.F. (2015). *Evaluation & Treatment of Dysphagia in Infants & Children A Hands-On Clinical Approach*. Association of Scientists of Speech Pathology/Speech Therapy of Greece (SELLE). Athens, Greece. [invited keynote presentation].

Euaparadorn, E., Schreyer, R., & **Barrera, M.A.** (2015). *Neuromuscular Taping for Neurological Issues: Application for Individuals with MS*. 29<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. Indianapolis, IN. [invited faculty oral presentation].

**Barrera, M.A.,** Cohen, E., Csiza, L., Kalina, J.T., Karpatkin, H., & Kreiger, S. (2015). *Multiple Sclerosis Rehabilitation Interventions Across the Spectrum of Disability and Continuum of Age*. 29<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. Indianapolis, IN. [invited faculty oral presentation].

**Barrera, M.A.** & Biber, T., Medved, M. (2015). *The Role of NMES and sEMG in Dysphagia Management: Clinical Use & Application*. Filoktitis Rehabilitation Hospital. Athens, Greece. [invited keynote presentation].

**Barrera, M.A.** (2015). *Advances in the Treatment of Speech and Swallowing Disorders: What Every MS Patient Needs to Know*. Multiple Sclerosis Foundation: Expert Teleconference Series. [nationally syndicated presentation].

**Barrera, M.A.** & Biber, T. (2014). *The Role of NMES in Dysphagia Management: Clinical Use & Application*. Hong Kong Polytechnic University. Hong Kong, China. [invited keynote presentation].

**Barrera, M.A.** & Biber, T. (2014). *Neuromuscular Electrical Stimulation for the Treatment of Dysphagia*. Hong Kong Speech and Hearing Symposium, The Chinese University of Hong Kong. Hong Kong, China. [invited oral presentation].

**Barrera, M.A.** (2014). *The Role of NMES in Dysphagia Management*. Foshan Hospital, Foshan, China. [invited oral presentation].

**Barrera, M.A.,** Medved, M.A. (2013). *The Effect of NMES in Dysphagia for Individuals with RR-MS*. ASHA Annual Convention. Chicago, IL. [poster presentation].

**Barrera, M.A.** (2013). *Speech and Swallowing Dysfunction in Individuals with MS*. 27<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. Orlando, FL. [invited faculty oral presentation].

**Barrera, M.A.** & Laine, T.L. (2012). *Apraxia: Evaluation and Intervention for School Aged Children*. New York City Department of Education, District 75. New York, NY. [invited oral presentation].

**Barrera, M.A.** & Laine, T.L. (2012). *Psychological & Speech Intervention for Children with Selective Mutism*. New York City Department of Education, District 75. New York, NY. [invited oral presentation].

- Barrera, M.A.** (2012). *Innovative Multidisciplinary Treatment Approaches to Speech and Swallowing Dysfunction in Individuals with MS*. 26<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. San Diego, CA. [invited faculty oral presentation].
- Barrera, M.A.** (2012). *Speech and Swallowing Dysfunction in Individuals with MS*. 26<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. San Diego, CA. [invited faculty oral presentation].
- Barrera, M.A.,** & O'Connor Wells, B.A. (2011). *The Role of NMES in Dysphagia Management for Individuals with RR-MS*. 25<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. Montreal, Canada [invited oral presentation & poster].
- Barrera, M.A.** (2010). *Changes in Speech & Swallowing Associated with Multiple Sclerosis*. Multiple Sclerosis Foundation (MSF) Fall Patient Symposium, Hunter College, CUNY. New York, NY [invited oral].
- Barrera, M.A.** (2010). *Role of NMES in Dysphagia Management*. Seminars in Speech-Language Pathology, Steinhardt School of Education, New York University. New York, NY [invited oral].
- Barrera, M.A.,** O'Connor Well, B.A., & Perez, S. (2010). *Effects of LSVT on Voice and Respiration in Individuals with MS*. 24<sup>th</sup> Consortium of Multiple Sclerosis Centers Annual Meeting. San Antonio, TX [poster].
- Barrera, M.A.,** Karpatkin, H., Halpern, J., & Hill, B. (2010). *Pulmonary Concerns in Worsening Multiple Sclerosis: Changes in Respiration in Multiple Sclerosis-Implications for Physical & Speech Therapy*. The Janet Pearce-John Dystel MS Advance Nurse Training Program, National Multiple Sclerosis Society. New York, NY [invited nationally syndicated oral presentation].
- Barrera, M.A.** (2009). *Where did I put my keys? A Workshop on Memory*. The Raymond Naftali Ambulatory Center for Rehabilitation, New York, NY [oral].
- Lavi, H., **Barrera, M.,** Hyun, J., Park, Y., Rosas, J., Wang, W., Yoon, J., & Obler, L. K. (2009). *Color Cues and Learning New Vocabulary: The Case of Non - Native Learners*. NYS TESOL Annual Applied Linguistics Conference, Teacher's college, Columbia University, New York, NY [poster].
- Park, Y., **Barrera, M.,** Lavi, H., Rosas, J., Wang, W., Yoon, J., Hyun, J., & Obler, L. K (2009). *Using Color Cues to Assist Learning Gender Categories in L2*. 54th Annual Conference of the International Linguistic Association, St. John's University, New York, NY [poster].
- Barrera, M.A.,** & Greenfield, M. (2009). *An Individual and Group Therapy Model: Creating a Real World Environment*. Brain, Language, Communication Conference. Hadassah College, Jerusalem [poster].
- Barrera, M.A.,** & Greenfield, M. (2009). *Lessons Learned from Working with Individuals with Dual-Diagnoses: Brain Injury and Psychiatric Disorders*. Brain, Language, Communication Conference. Hadassah College, Jerusalem [poster].
- Barrera, M.A.**& Laine, T. (2007). *Psychological & Speech Intervention for Children with Selective Mutism*. Hillside Board of Education: Child Study Team. Hillside, NJ [invited oral].

Gershon R.R.M., **Barrera M.A.**, Neitzel R, Akram M. (2007). *Noise Exposure in New York City Subways: Expert eSeminar*; Audiology Online. May 16, 2007.

**Barrera, M.A.**, & Greenfield, M. (2007). *Clinical Evaluation and Treatment Outcomes for Individuals with Multiple Sclerosis: The Role of a Speech-Language Pathologist in Comprehensive Care*. International Management Practice for Multiple Sclerosis. New York, NY [oral].

**Barrera, M.A.**, & Greenfield, M. (2007). *The Aging Speech and Swallowing Mechanism*. The Hudson Guild. New York, NY [oral].

Greenfield, M, & **Barrera, M.A.** (2006). *The Role of a Speech-Language Pathologist in Comprehensive Care of Multiple Sclerosis*. Professional Issue Panel: Multiple Sclerosis Society, New York City Chapter, New York, NY [oral].

Greenfield, M, & **Barrera, M.A.** (2006). *Speech and Language Disorders after Traumatic Brain Injury*. SUNY State College of Optometry. New York, NY [oral].

**Barrera, M.A.**, & Gershon, R.R.M. (2006). *High Levels of Noise in a Large Metropolitan Subway System*. In: 46<sup>th</sup> Annual New York State Speech-Language-Hearing Association Convention, Saratoga, NY [poster].

Gershon, R.M., **Barrera, M.A.**, Akram, M. (2006) *Noise Level Measures in a Large Metropolitan Subway System* In: *NORA Conference*, Washington, D.C. [invited oral].

**Barrera, M.**, Gershon, R.R.M., Akram, M. (2005). *Excessive Noise Level Measures in a Large Metropolitan Subway System*. In: American Speech-Language Hearing Association Convention, San Diego, CA [invited oral].

**Barrera, M.**, Gershon, R.R.M., Akram, M. (2005). *Noise Level Measures in a Large Metropolitan Subway System*. In: American Public Health Association 133<sup>rd</sup> Annual Meeting, Philadelphia, PA. [poster].

Gershon, R.R.M., Rosen, J., Gurney, C., **Barrera, M.** (2005). *Bloodborne Pathogen Exposure in Non-Hospital Based Nurses*. In: American Public Health Association 133<sup>rd</sup> Annual Meeting, Philadelphia, PA [poster].

Gershon, R.R.M., Rosen, J., Gurney, C., **Barrera, M.** (2005). *Occupational Risk of Bloodborne Pathogens in Home Health Care Workers*. In: American Public Health Association 133<sup>rd</sup> Annual Meeting, Philadelphia, PA. [oral].

Gershon, R.R.M., **Barrera, M.**, Goldsmith, F. (2005). *Subway Health and Safety Hazards*. In: The 4th International Conference on Urban Health, Toronto, Canada [poster].

**Barrera, M.**, & Greenwald, L. (2004). *PECS and Autism: A Graduate Students First Glimpse*. In: New York State Speech Language Hearing Association, Albany, NY [poster].

Gershon, R.R.M., Qureshi, K., **Barrera, M.**, Dela Cruz C. (2003). *Bioterrorism-Related Beliefs, Attitudes, and Behaviors of Healthcare Providers*. In: 131st American Public Health Association Annual Meeting, San Francisco, CA [poster].

Gershon, R.R.M., Qureshi, K., Morse, S., Gurtman, A., Sepkowitz, K., **Barrera, M.**, Dela Cruz, C. (2003). *An Assessment of Clinicians' Knowledge, Attitudes and Behavioral Intentions Regarding Bioterrorism*. In: 2<sup>nd</sup> International Conference of Urban Health, New York, NY [poster].

Gershon, R.R.M., Qureshi, K., Morse, S., **Barrera, M.**, Dela Cruz C. (2003) *Bioterrorism-Related Beliefs, Attitudes and Behaviors of Community Based Clinicians*. In: 13<sup>th</sup> World Congress on Disaster & Emergency Medicine, Melbourne, Australia [invited oral presentation].

**Barrera, M.**, Dela Cruz, C., Khan., A. (2003) *Hepatitis B: Infection Control and Post-Exposure Treatment Protocols for Speech-Language Pathologists Working in the Hospital Setting*. In: 131st American Public Health Association Annual Meeting, San Francisco, CA [poster].

Breckheimer, A., Merrill, J., Murrman, M., Gebbie, K., **Barrera, M.** (2002) *Effectiveness of an Emergency Preparedness Training Program for Public Health Nurses in New York City*. In: 130th American Public Health Association Annual Meeting, Philadelphia, PA [oral].

Gershon, RRM., Qureshi, K., Breckheimer, A., Merrill, J., **Barrera, M.** (2002) *Public Health Nurses: Barriers to Emergency Response*. In: 130th American Public Health Association Annual Meeting, Philadelphia, PA [poster].

#### **Interview and Media:**

Multiple Sclerosis Foundation Webinar – Advances in Speech & Swallowing for Persons with MS: June 2020

<https://youtu.be/HLEPL0SdBEE>

CBS News – Dr. Barrera speaks on prolonged ventilator use for persons with COVID-19

<https://cbsloc.al/3eI9iMC>

American Congress of Rehabilitative Medicine (ACRM) International Expert Interview

<https://acrm.org/rehab-pulse-around-the-world-fall-2018/interviews/>

Fall 2018

My CounterPane: One on One Expert Interview on Speech & Following for Individuals with Multiple Sclerosis. July 12, 2017.

<http://www.mycounterpane.com/home/16457>

My Girlfriend Went to a Speech Therapist to Cure Her Vocal Fry. VICE MAGAZINE. March 31, 2015

<http://www.vice.com/read/i-took-my-girlfriend-to-a-speech-therapist-to-cure-her-annoying-vocal-fry-988>

The Role of Speech Pathology in Medical Management of Dysphagia. TV Interview for Filoktitis Rehabilitation Hospital. Athens, Greece. March 3, 2015.

<https://www.youtube.com/watch?v=c1guFjDHL24>

Advances in the treatment of speech and swallowing disorders for individuals with MS. MSF Expert Teleconference Series. January 27, 2015. <https://soundcloud.com/ms-focus/marissa-barrera-speech-and-swallowing-teleconference>

### **Invited Blogs and Magazine Articles:**

Advance for Speech Language Pathology (November 11, 2013). Disfluent Speech: How damage to the central nervous system can impact speech production. <http://speech-language-pathology-audiology.advanceweb.com/Features/Articles/Disfluent-Speech.aspx>

WebPT. Invited Blog (May 2012). <http://www.webpt.com/blog/post/did-you-know-may-better-speech-and-hearing-month>

Groupstance. Invited Blog (May 2012). <http://groupstance.tumblr.com/post/22120803707/speech-language-pathologist-and-professor-marissa-a>

Women's Health Magazine (April 25, 2012). Speak Confidently: How to Buff Up Your Voice <http://www.womenshealthmag.com/life/strong-voice?page=2#ixzz1uD4zHiss>