

Mary M. Gorham-Rowan

Work Address

Dept. of Communication Sciences and Disorders
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Academic Degrees

Ph.D.	University of Florida	2002	Communication Sciences and Disorders
M.S.	Florida State University	1991	Speech Pathology/Audiology
B.A.	Florida State University	1989	Spanish
B.S.	Florida State University	1988	Speech Pathology/Audiology

Professional Experience

2005-present	Associate Professor Dept. of Communication Sciences and Disorders Valdosta State University
2003-present	Research Associate School of Communication Sciences and Disorders Florida State University
2004-2005	Speech-Language Pathologist Archbold Memorial Hospital Thomasville, GA
2001-2003	Assistant Professor Communication Disorders Program Georgia State University
1996-2000	Speech-Language Pathologist Pooser Communication Services Tallahassee, FL
1993-1996	Research Assistant Dept. of Communicative Disorders University of Florida
1993-1996	Speech-Language Pathologists Alachua County Schools Gainesville, FL
1991-1993	Speech-Language Pathologist Pooser Communication Services Tallahassee, FL
1990-1991	Speech-Language Pathologist Speech and Language Center of Northwest Florida Pensacola, FL

Professional Affiliations

American Speech-Language Hearing Association
Georgia Speech-Language Hearing Association
American Association of Phonetic Scientists

Awards

Travel Fellowship Award, American Speech-Language-Hearing Association, May 2001
Selected to present grant proposal at ASHA Grant Writing Workshop.
Kenneth R. Bzoch Clinical Research Award, University of Florida, 1998

Publications

Cabral, C., Gorham-Rowan, M., Johnston, R., & Stonestreet, R. (submitted). Spectral correlates of voice production in young female smokers. *Communication Disorders Quarterly*.

Brice, A., Hoehn, A., Gorham-Rowan, M., & Johnston, R. (submitted). Word identification, word retrieval, and language comprehension in Alzheimer's disease: A pilot study. *Communication Disorders Quarterly*.

Gorham-Rowan, M., Fowler, L., & Hapner, E. (2010). Acoustic analysis of voice change in normal speakers following transcutaneous electrical stimulation to the laryngeal area. *The Open Rehabilitation Journal*, 3, 67-74.

Fowler, L., Gorham-Rowan, & Hapner, E. An exploratory study of voice change associated with healthy speakers following transcutaneous electrical stimulation to laryngeal muscles. *Journal of Voice*, in press.

Morris, R., Gorham-Rowan, M., & Meyer, L. (2009). The effect of initiating oral contraceptive use on voice: A case study. *Journal of Voice*, in press.

Gorham-Rowan, M., & Fowler, L. (2009). Laryngeal aerodynamics associated with oral contraceptive use: Preliminary findings. *Journal of Communication Disorders*, 42, 408-413.

Morris, R., Herring, K., & Gorham-Rowan, M. (2009). Voice onset time in young women as a function of oral contraceptive use. *Journal of Voice*, 23, 114-118.

Hapner, E., Gorham-Rowan, M., Morris, R., & Fowler, L. (2008). Voice spectral analysis after surface electrical stimulation. *Otolaryngology – Head and Neck Surgery*, 139, P139.

Gorham-Rowan, M., & Fowler, L. (2008). Aerodynamic assessment of young women's voices as a function of oral contraceptive use. *Folia Phoniatrica et Logopaedica*, 60, 20-25.

Gorham-Rowan, M.M., & Laures-Gore, J.S. (2006). Acoustic-perceptual correlates of voice quality in elderly men and women. *Journal of Communication Disorders*, 39, 171-184.

Gorham-Rowan, M., & Morris, R.J. (2005). Aerodynamic analysis of male-to-female transgender voice. *Journal of Voice*, 20, 251-262.

- Gorham-Rowan, M.M. (2004). Acoustic measures of vocal stability during different speech tasks in young women using oral contraceptives: A retrospective study. *The European Journal of Contraception and Reproductive Health Care*, 9, 166-172.
- Gorham-Rowan, M., Langford, A., Corrigan, K., & Snyder, B. (2004). Vocal pitch levels during connected speech associated with oral contraceptive use. *Journal of Obstetrics and Gynaecology*, 24, 284-286.
- Gorham-Rowan, M., Iwahashi, M., Quattlebaum, L., & Rivers, D. (2004). Voice wear and tear: A pilot study of voice care for coaches. *Applied Research in Coaching and Athletics Annual*, 19, 35-46.
- Gorham, M.M., Avidano, M.A., Crary, M.A., Cotter, C.S., & Cassisi, N.J. (1998). Laryngeal recovery following type I thyroplasty. *Archives of Otolaryngology – Head and Neck Surgery*, 124, 739-742.
- Crary, M.A., Kotzur, I.M., Gauger, J., Gorham, M., & Burton, S. (1996). Dynamic magnetic resonance imaging in the study of vocal tract configuration. *Journal of Voice*, 10, 378-388.
- Sapienza, C.M., Crary, M.A., & Gorham, M. (1996). Laryngeal aerodynamic aspects of women with adductor spasmodic dysphonia. *Archives of Otolaryngology – Head and Neck Surgery*, 122, 385-388.
- Gorham, M.M., Morris, R.J., Brown, W.S., & Huntley, R.A. (1996). Intraoral air pressure of alaryngeal speakers during a no-air insufflation maneuver. *Journal of Communication Disorders*, 29, 141-155.
- Cotter, C.S., Avidano, M.A., Crary, M.A., Cassisi, N.J., and Gorham, M.M. (1995). Laryngeal complications after type I thyroplasty. *Otolaryngology – Head and Neck Surgery*, 113, 671-673.

Recent Presentations

- Harmon, A., Fowler, L., Morris, R., Gorham-Rowan, M., & Hapner, E. The effect of body mass index on voice outcome measures following transcutaneous electrical stimulation. Paper presented at the 39th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2010.
- Gorham-Rowan, M., Fowler, L., & Morris, R. Objective and subjective measures of voice change following transcutaneous electrical stimulation to the laryngeal area. Poster presented at the 39th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2010.
- Richardson, S., & Gorham-Rowan, M. Allergy symptoms and allergy medications: Determining their relationship to voice measures. Poster presented at the Georgia Speech-Language-Hearing Association Convention, Atlanta, GA, March 2010.
- Hall, M., & Gorham-Rowan, M. Daily fluctuations in the female voice. Poster presented at the Georgia Speech-Language-Hearing Association Convention, Atlanta, GA, March 2010.

- Gorham-Rowan, M., Fowler, L., & Morris, R. VitalStim and voice: What we know. American Speech-Language-Hearing Association Convention, New Orleans, LA, November, 2009.
- Hoehn, A., Gorham-Rowan, M., Brice, A., & Johnston, R. Speech perception and word retrieval skills in individuals with and without early Alzheimer's disease. American Speech-Language-Hearing Association Convention, New Orleans, LA, November, 2009.
- Samuels, T., Gorham-Rowan, M., & Morris, R. Voice production in young women and oral contraceptive type. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA, November, 2009.
- Cabral, C. & Gorham-Rowan, M. Acoustic analysis of glottal opening in female smokers. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA, November, 2009.
- Morris, R., Gorham-Rowan, M., & Pare, C. Perceived voice change after surface electrical stimulation of normal speakers. Poster presented at the American Speech-Language-Hearing Association Convention, New Orleans, LA, November, 2009.
- Fowler, L., Gorham-Rowan, M., & Morris, R. An exploratory study of muscle fatigue and delayed onset muscle soreness after transcutaneous electrical stimulation to the neck. Paper presented at the 38th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2009.
- Gorham-Rowan, M., Morris, R., Fowler, L., & Hapner, E. Effect of surface electrical stimulation on voice in patients with muscle tension dysphonia: Pilot data. Paper presented at the 38th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2009.
- Gorham-Rowan, M., Fowler, L., Morris, R., & Hapner, E. (invited). Surface electrical stimulation and voice: Initial data with normal speakers. Paper presented at the XVII PVSF/UCLA Voice Conference, Los Angeles, CA, February 2009.
- Altman, B., Folsom, B., Holt, A., Gorham-Rowan, M., & Morris, R. Effect of menstrual cycle phase on vocal fatigue. Paper presented at the American Speech-Language-Hearing Association Convention, Chicago, IL, November 2008.
- Meyer, L., Morris, R., & Gorham-Rowan, M. Vocal effects of initial oral contraceptive use. Paper presented at the American Speech-Language-Hearing Association Convention, Chicago, IL, November 2008.
- Gorham-Rowan, M., Morris, R., Fowler, L., & Hapner, E. Spectral analysis of voice change in normal speakers following surface electrical stimulation. Paper presented at the American Academy of Otolaryngology – Head and Neck Surgery, Chicago, IL, September 2008.
- Gorham-Rowan, M., Brice, A., Morris, R., Fowler, L., & Hapner, E. Perceptual analysis of voice change associated with surface electrical stimulation in normal speakers. Paper presented at the 37th Annual Voice Symposium: Care of the Professional Voice, Philadelphia, PA, June 2008.

- Cole, L., Backes, L., Carson, L., Enloe, T., Stontestreet, R., & Gorham-Rowan, M. supervision: Changes in standards = Changes in roles. Paper presented at the Georgia Speech-Language-Hearing Association, Athens, GA, April 2008.
- Fowler, L., Gorham-Rowan, M., & Hapner, E. VitalStim: Research update on voice and swallowing. Georgia Speech-Language-Hearing Association Convention, Athens, GA, April 2008.
- Garland, A., & Gorham-Rowan, M. Parents' satisfaction with speech and language services: A comparison study between a university clinic, a public school, and a private clinic. Paper presented at the Georgia Speech-Language-Hearing Association Convention, Athens, GA, April 2008.
- Gorham-Rowan, M., Morris, R., Fowler, L., & Hapner, E. Spectral analysis of voice change in normal speakers following surface electrical stimulation. Paper presented at the Dysphagia Research Society, Charleston SC, March 2008.
- Meyer, L., Gorham-Rowan, M., & Morris, R. Voice effects of initial oral contraceptive use: A retrospective study. Paper presented at the 5th Meeting of the Florida Chapter of the Acoustical Society of America, Tallahassee, FL, February 2008.
- Morris, R.J., Gorham-Rowan, M.M., & Harmon, A.B. Spectral analysis of the female voice following six months of oral contraceptive use. Paper presented at the American Speech-Language-Hearing Association Convention, Boston, MA, November 2007.
- Cole, L., Backes, L., Carson, L., Enloe, T., Stontestreet, R., & Gorham-Rowan, M. supervision: Changes in standards = Changes in roles. Paper presented at the American Speech-Language-Hearing Association, Boston, MA, November 2007.
- Gorham-Rowan, M., Morris, R., Fowler, L., & Hapner, E. Acoustic correlates of glottal closure following surface electrical stimulation. Paper presented at the 36th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2007.
- Gorham-Rowan, M., Morris, R., & Harmon, A. Spectral analysis of young women's voices following six months of oral contraceptive use: A case study. Paper presented at the 36th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2007.
- Heimbauer, L.A., Owren, M.J., & Gorham-Rowan, M. Human listeners can distinguish premenstrual voice. Paper presented at the 99th Annual Meeting of the Southern Society for Philosophy and Psychology, Atlanta, GA, April 2007.
- Fowler, L., & Gorham-Rowan, M. Relationship between neck fat, body mass index, and surface electrical stimulation. Paper presented at the Georgia Speech-Language-Hearing Association Convention, Atlanta, GA, March 2007.
- Oller, D., Preston, J., Edwards, M., Merchant, F., Biedess, K., Bahr, R., Ridley, M., Herring, K., Morris, R., & Gorham-Rowan, M. A cross-section of research in phonetic sciences. Seminar presented at the American Speech-Language-Hearing Association Convention, Miami, FL, November 2006.

- Lockhart, C., Gorham-Rowan, M., & Thompson, S. Enhancing cultural competency among SLP students: A collaborative effort. Paper presented at the American Speech-Language-Hearing Association Convention, Miami, FL, November 2006.
- Gorham-Rowan, M., Morris, R., & Crews, S. Voice measures, menstrual cycle phase, and oral contraceptive type. Paper presented at the American Speech-Language-Hearing Association Convention, Miami FL, November 2006.
- Lockhart, C., & Gorham-Rowan, M. Enhancing cultural competency among SLP students. Paper presented at the 35th Annual Meeting of the Mid-South Educational Research Foundation, Birmingham, AL, November 2006.
- Gorham-Rowan, M., Morris, R., & Harmon, A. Spectral analysis of young women's voices following six months of oral contraceptive use: A case study. Paper presented at the Florida Chapter of the Acoustical Society of America, Gainesville, FL, September 2006.
- Herring, K., Morris, R., & Gorham-Rowan, M. Voice onset time in women as a function of oral contraceptive use. Paper presented at the 35th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2006.
- Fowler, L., Gorham-Rowan, M., & Hapner, E. Voice changes in normal speakers associated with surface electrical stimulation. Paper presented at the 35th Annual Symposium: Care of the Professional Voice, Philadelphia, PA, June 2006.
- Gorham-Rowan, M., Fowler, L., & Hapner, E.R.. A tutorial on muscle function and the effects of surface electrode stimulation on voice. Georgia Speech-Language-Hearing Association Convention, Atlanta, GA, March 2006.
- Payne, H., Gorham-Rowan, M., & Morris, R. Spectral analysis of young women's voices associated with oral contraceptive use. Paper presented at the Georgia Speech-Language-Hearing Association Convention, Atlanta, GA, March 2006.
- Gorham-Rowan, M., & Fowler, L. Subglottic pressure levels in young women associated with oral contraceptive use. Paper presented at the American Speech-Language-Hearing Association Convention, San Diego, CA, November 2005.
- Gorham-Rowan, M., & Fowler, L. Effect of oral contraceptive use and ovulation on aerodynamic parameters. Paper presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA, November 2004.
- Contado-Henson, J., Sriratanakoul, A., Wilson, E., & Gorham-Rowan, M. Objective voice measures in trained singers according to oral contraceptive use: A pilot study. Paper presented at the American Speech-Language-Hearing Association Convention, Philadelphia, Pa, November 2004.
- Gorham-Rowan, M., & Morris, R. Perceptual correlates of male-to-female transgender voice production. Paper presented at the American Speech-Language-Hearing Association Convention, Philadelphia, PA, November 2004.

Morris, R.J., & Gorham-Rowan, M. Spectral analysis of male-to-female transgender voice. Paper presented at the 33rd Annual Voice Symposium: Care of the Professional Voice, Philadelphia, PA, June 2004.

Gorham-Rowan, M. Aerodynamic measures of voice production in young women related to oral contraceptive use. Paper presented at the American Speech-Language-Hearing Association Convention, Chicago, IL, November 2003.

Gorham-Rowan, M., & Morris, R. Aerodynamic analysis of male-to-female transgender voice. Paper presented at the 32nd Annual Voice Symposium: Care of the Professional Voice, Philadelphia, PA, June 2003.

Funding

Gorham-Rowan, M. Effect of surface neuromuscular electrical stimulation on voice in conjunction with surface electromyography of the extrinsic laryngeal muscles. AREA (R15), National Institute on Deafness and Other Communication Disorders, \$373,053, submitted.

Morris, R., & Gorham-Rowan, M. Collaborative research: Spectral correlates of glottal activity at three amplitude levels. National Science Foundation, \$28,520, submitted.

Gorham-Rowan, M. Effect of surface electrical stimulation on voice after reading. Faculty Research Grant, Valdosta State University. Funded: 2010, \$818.00.

Gorham-Rowan, M. Effect of menstrual cycle phase on a vocal loading task. Faculty Research Grant, Valdosta State University. Funded: 2008, \$900.00.

Morris, R.J., Stierwalt, J.A.G., Bowers, J., & Gorham-Rowan, M.M. Equipment for physiologic observation for speech, voice, singing, and swallowing. Florida State University Research Foundation. Funded: 2007, \$25,858.

Gorham-Rowan, M. Vocal effects of initial oral contraceptive use. Faculty Research Grant, Valdosta State University. Funded: 2005, \$1000.

Laures, J.S., and Gorham-Rowan, M.M. Development of the speech and voice sciences laboratory at Georgia State University. Research Instrumentation Grant, Georgia State University. Funded: 2002, \$23,350.

Sapienza, C.M., and Gorham, M.M. Respiratory and laryngeal function measures of adductor spasmodic dysphonia. Florida Speech-Language-Hearing Association Foundation. Funded: 1994, \$2000.