

Educational History

Doctor of Philosophy, 1998

University of Iowa, Iowa City, IA

Department of Speech & Hearing Sciences

Doctoral Dissertation: *Contributions of individual muscles to the submental surface electromyogram during swallowing.*

Advisor: Erich S. Luschei, Ph.D.

Master of Science, 1984

Emerson College, Boston, MA

Department of Communication Disorders

Thesis: *Intelligibility of a Cooper Rand User*

Advisor: Suzanne Bennett, Ph.D.

Bachelor of Science, 1982

State University of New York, New Paltz, NY

Department of Communication Disorders

Employment History

Associate Professor, May 2012- Present

Assistant Professor, January 2002 – May 2012

Department of Speech and Hearing Sciences

University of New Mexico, Albuquerque, NM

Adjunct Professor, January 2001- December 2001

Department of Speech and Hearing Sciences

University of New Mexico, Albuquerque, NM

Speech Language Pathologist, 1997 - 2001

Private Practice, Farmington, NM

Lecturer, October 1998 – December 1998

Department of Communication Science and Disorders

Medical University of South Carolina, Charlotte, South Carolina

Speech Language Pathologist, 1993 - 1996

Department of Otolaryngology, Head and Neck Surgery

University of Iowa Hospitals and Clinics, Iowa City, IA

Speech Language Pathologist, 1987 - 1992

Department of Surgery (ENT)

University of New Mexico Hospital, Albuquerque, NM

Scholarly Achievements

Articles in Refereed Journals

- Neel, A.T., **Palmer, P.M.**, Sprouls, G., & Morrison, L. (2015) Muscle weakness and speech in oculopharyngeal muscular dystrophy. *Journal of Speech Language and Hearing Research*, 58, 1-12.
- Sprouls, G., **Palmer, P.M.** & Luschei, E.S. (2013). Effortful swallow in OPMD. *Journal of Medical Speech-Language Pathology*. 21(1)
- Neel, AT & **Palmer, PM** (2012). Is tongue strength an important influence on rate of articulation in diadochokinetic and reading tasks? *Journal of Speech Language and Hearing Research*, 55(1).
- Palmer, P.M.**, Neel, A.T., Sprouls, G., & Morrison, L. (2010) Swallow characteristics in patients with oculopharyngeal muscular dystrophy. *Journal of Speech Language and Hearing Research*, 53, 1567-1578.
- Palmer, P.M.**, Jaffe, D.M., McCulloch, T.M., Finnegan, E.M., Van Daele, D.J. & Luschei, E.S. (2008). Quantitative contributions of the muscles of the tongue, floor of mouth, jaw and velum to intraoral pressure generation. *Journal of Speech Language and Hearing Research*, 51(4): 828-35.
- Neel, A.T., **Palmer, P.M.**, & Gass, C.A. (2008). Can IOPI be used to measure tongue pressure for speech sounds? *Journal of Medical Speech-Language Pathology*, 16(4), 235-241.
- Neel, A.T., **Palmer, P.M.**, Sprouls, G., & Morrison, L. (2006). Tongue Strength and Speech Intelligibility in Oculopharyngeal Muscular Dystrophy. *Journal of Medical Speech-Language Pathology*, 14(4), 273-277.
- Palmer, P.M.**, McCulloch, T.M., Jaffe, D. & Neel, A.T. (2005). Effects of a sour bolus on the intramuscular electromyographic activity of muscles in the submental region. *Dysphagia*, 20(3), 210-217.
- Van Daele, D.J., McCulloch, T.M., **Palmer, P.M.** & Langmore, S.E. (2005). Timing of glottic closure during swallowing: A combined electromyographic and endoscopic analysis. *Annals of OtolRhinolLaryngol*, 114(6), 478-87.
- Palmer, P.M.**, Luschei, E.S., Jaffe, D. & McCulloch, T.M. (1999). Contributions of individual muscles to submental surface EMG during swallowing. *Journal of Speech and Hearing Research*, 42(6), 1378-91.
- Perlman, A.L., **Palmer, P.M.**, McCulloch, T.M. & VanDaele, D.J. (1999). Electromyographic activity from human laryngeal, pharyngeal, and submental muscles during swallowing. *Journal of Applied Physiology*, 86(5), 1663-9.
- Verdolini, K., Druker, D.G., **Palmer, P.M.** & Samawi, H. (1998). Laryngeal adduction in resonant voice. *Journal of Voice*: 12(3), 315-327.

Verdolini, K. & **Palmer, P.M.** (1997). Assessment of a “Profiles” approach to voice screening. *Journal of Medical Speech-Language Pathology* , 5(4), 217-232.

McCulloch, T.M., Perlman, A., **Palmer, P.M.**, VanDaele, D. (1996). Laryngeal activity during swallow, phonation, and Valsalva: An electromyographic analysis. *Laryngoscope*: 106(11), 1351-1358.

Palmer, P.M., Dutton, J.M., McCulloch, T.M. & Smith, R.J. (1995). Trends in the use of tracheotomy in the pediatric patient: The Iowa experience. *Head & Neck*, 17(4): 328-33.

Dutton, J.M., **Palmer, P.M.**, McCulloch, T.M. & Smith, R.J. (1995). Mortality in the pediatric patient with tracheotomy. *Head & Neck*, 17(5): 403-408.

Davis, M., **Palmer, P.M.**, & Kelsey, C. (1990). Use of C-arm fluoroscope to examine patients with swallowing disorders. *American Journal of Roentgenology*, 155(5): 986-8.

Other Publications

Palmer, P.M. (2013). Can you swallow this? Thoughts on swallowing for those with OPMD. *OPMD Registry Review Newsletter, 1*: 5-6.

Palmer, P.M. (2010). Oculopharyngeal Muscular Dystrophy. In H.N. Jones & J.C. Rosenbek (Eds.), *Dysphagia in Rare Conditions: An Encyclopedia*. San Diego, CA: Plural Publishing.

Palmer, P.M. & Neel, A.T. (2006). Oculopharyngeal Muscular Dystrophy. *Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders*, 16(2), 17-21.

Works in Progress

Submitted for review:

Palmer, P.M., Romero-Clark, C., Coe, T., Wiest, P. & Morrison, L. (submitted). A retrospective review of swallow deficits in a New Mexico cohort of patients with OPMD.

In progress:

Palmer, P.M. Intraoral pressure endurance and stability in aging and disease.

Invited or Refereed Abstracts and/or Presentations

Palmer, P.M., Golden, S., Chavez, J., Thul, N., Romero-Clark, C., Sauder, C. & Olson, G.T. (2014, November). Impact of OPMD on Voice. Presented at ASHA Convention, Orlando, FL.

Palmer, P.M., Padilla, A., Maestas, D., Romero-Clark, C., Sauder, C. & Olson, G.T. (2014, November). Impact of OPMD on Nasal Resonance. Presented at ASHA Convention, Orlando, FL.

Palmer, P.M., Golden, S., Chavez, J., Thul, N., Romero-Clark, C., Sauder, C. & Olson, G.T. (2014, October). Impact of OPMD on Voice. Presented at NMSHA Convention, Albuquerque, NM.

- Palmer, P.M.,** Padilla, A., Maestas, D., Romero-Clark, C., Sauder, C. & Olson, G.T. (2014, October). Impact of OPMD on Nasal Resonance. Presented at NMSHA Convention, Albuquerque, NM.
- Palmer, P.M.,** Griego, E., Mahoney, J. (2014, October). Impact of aging and gender on oral muscle stability. Presented at NMSHA Convention, Albuquerque, NM.
- Palmer, P.M.,** Mahoney, J., & Rosenberg, K. (2013, November). Mining Endurance: Reconsideration of Oral Motor Function. Presented at ASHA Convention, Chicago, IL.
- Palmer, P.M.,** & Mahoney, J. (2012, October). Oral Motor Stability in Aging and OPMD. Poster presented at New Mexico Speech & Hearing Conference, Albuquerque, NM.
- Palmer, P.M.,** Chavez, J. (2012, March). The impact of botox and myotomy on UES dysfunction in patients with OPMD. Presentation accepted for Dysphagia Research Society Conference, Toronto, CA.
- Neel, A.T., **Palmer, P.M.,** Martin, B.J., & Cunningham, D.S. (2012, March). Diadochokinetic Speech Rates and Tongue Strength. Poster presented at Motor Speech Conference, CA.
- Palmer, P.M.** (2011, October). Treatment of swallowing and voice problems in patients with OPMD. An invited lecture presented at the MDA OPMD Family Conference, Albuquerque, NM.
- Palmer, P.M.,** Neel, A.T., Sprouls, G., & Morrison, L. (2010, March) Swallow characteristics in patients with oculopharyngeal muscular dystrophy. Poster presented at Dysphagia Research Society Conference, San Antonio, TX.
- Palmer, P.M.** (2009, October). Current treatment of dysphagia in patients with OPMD. An invited lecture presented at the MDA OPMD Family Conference, Albuquerque, NM.
- Sprouls, G., **Palmer, P.M.** (2008, March). Effortful swallow in patients with Oculopharyngeal Muscular Dystrophy. Poster presented at the Dysphagia Research Society Conference, Isle of Palms, SC.
- Chisolm, M., **Palmer, P.M.** (2008, March). Effect of tongue piercing on tongue strength and swallow pressure. Poster presented at the Dysphagia Research Society Conference, Isle of Palms, SC.
- Palmer, P.M.** (2007, October). Treatment options for Swallow deficits in patients with OPMD. Invited lecture presented at the MDA OPMD Conference, Albuquerque, NM.
- Palmer, P.M.,** Romero-Clark, C., Coe, T. et al (2006). Swallow deficits in a Northern New Mexican cohort of patients with OPMD. *Dysphagia*, 21(4), 321.
- Palmer, P.M.,** Garrison, K., Romero-Clark, C., Coe, T., Morrison, L., Wiest, P., & Spafford, M. (2006, March). Swallow deficits in a cohort of New Mexicans with oculopharyngeal

muscular dystrophy. Poster presented at the Dysphagia Research Society Conference, Scottsdale, AZ.

Neel, A.T., **Palmer, P.M.**, Sprouls, G., & Morrison, L. (2006, March). Tongue strength and speech in oculopharyngeal muscular dystrophy. Poster presented at the Conference in Motor Speech, Austin, TX.

Palmer, P.M., Neel, A.T., Sprouls, G., Romero-Clark, C., & Morrison, L. (2005, November). Voice, speech and swallow characteristics in a cohort of New Mexicans with oculopharyngeal muscular dystrophy. Poster presented at the American Speech Language and Hearing Conference, San Diego, CA.

Palmer, P.M. (2005, October). Swallow deficits in patients with OPMD. Invited lecture presented at the MDA OPMD Conference, Albuquerque, NM.

Palmer, P.M. (2003, October). What we know about swallow deficits in patients with OPMD. Invited lecture presented at the MDA OPMD Conference, Albuquerque, NM.

Palmer, P.M., McCulloch, T.M. & Jaffe, D. (2002). Effects of sour bolus on EMG of various oral muscles during swallowing. *Dysphagia*, 17(2), 175. (abstract & oral presentation at Dysphagia Research Society, 2001)

Palmer, P.M. (2001, September). Interpretation of Modified Barium Swallow/Video Fluoroscopic Swallow Exams. Invited lecture presented at the New Mexico Speech and Hearing Convention, Albuquerque, NM.

Palmer, P.M. (2000, March). Pediatric Dysphagia. Invited lecture presented at the Missouri Speech and Hearing Convention, Springfield, MO.

Palmer, P.M. (2000, March). A neurophysiologic model of normal swallowing and its clinical applications. Invited lecture presented at the Southwest Conference, Albuquerque, NM.

Research Funding

Project Title: Treatment of Swallow Disorders in patients with OPMD.

Principle Investigator: Phyllis M. Palmer

Funding organization: Research Allocation Committee

Starting and stopping dates, January 2014-May 2015.

Amount awarded for the period listed (direct costs and indirect costs): \$6850.

Project Title: Outcome Measures in patients with OPMD.

Principle Investigator: Sarah Youssof

Funding organization: Clinical & Translational Science Center

Project Title: Clinical Practice Research Institute: MRI & Oral motor function in patients with OPMD

Principal investigator: Phyllis M. Palmer

Funding organization: American Speech & Hearing Association

Starting and stopping dates, July 2009-July 2010.

Amount awarded for the period listed (direct costs and indirect costs): travel and mentorship

Project Title: Efficacy of Lee Silverman Voice Treatment as a treatment for Dysphagia in patients with Parkinson's disease.

Principal investigator, as listed on title page: Phyllis M. Palmer

Funding organization: Research Allocation Committee Small Grant

Starting and stopping dates, October 2002-December 2003.

Amount awarded for the period listed (direct costs and indirect costs): \$2861.

Teaching

Masters Thesis Advisement:

Diondra Maestas, (incomplete). Use of Mendelsohn Maneuver in patients with OPMD.
Cai Ewing, M.S., July 2010. Reliability and agreement of a brief intelligibility rating task.
Gwyn Sprouls, M.S., Dec 2008. Effortful swallow in patients with Oculopharyngeal Muscular Dystrophy.
Maria Chisolm, M.S., May 2008. Effect of tongue piercing on tongue function and swallow pressure.

Bachelor's Honors Advisement:

Linda Jaskolski, Fall 2006, B.S., OPMD and Quality of Life

Teaching:

University Of New Mexico

2014, Fall Dysphagia, SHS517
 Introduction to Communication Disorders, SHS302/SPED302
 Undergraduate Problems: Aaron Padilla
 Graduate Problems: Diondra Maestas

2014, Spring Voice Disorders, SHS525, n=17
 NEW: Medical Speech Pathology, SHS535
 Undergraduate Problems: Aaron Padilla
 Graduate Problems: Stacy Golden
 Graduate Thesis: Diondra Maestas

2013, Fall Dysphagia, SHS517, n=16
 Introduction to Communication Disorders, SHS302/SPED302, n=53
 Undergraduate Problems: Aaron Padilla
 Graduate Thesis: Diondra Maestas

2013, Summer Graduate Problems: Jennifer Mahoney

2013, Spring Voice Disorders, SHS525, n=18
 NEW as ONLINE: Introduction to Communication Disorders, SHS 302/SPED
 302, n = 55
 Undergraduate Problems: Aaron Padilla
 Graduate Problems: Jessica Chavez

2012, Fall Dysphagia, SHS 517, n = 11
 NEW as HYBRID: Introduction to Communication Disorders, SHS 302/SPCED
 302, n = 45
 Graduate Problems: Jessica Chavez

2012, Spring Voice Disorders, SHS525, n=14

2011, Fall Dysphagia, SHS517, n = 16

2011, Spring	Voice Disorders, SHS525, n=14
2010, Fall	Dysphagia, SHS517, n = 11
2010, Spring	Voice Disorders, SHS525, n=18
2009, Fall	Dysphagia, SHS517, n = 22 Graduate Problems: n=2
2009, Spring	Voice Disorders, SHS525, n = 17
2008, Fall	Dysphagia, SHS517, n = 16 Graduate Thesis: n=1
2008, Spring	Graduate Thesis: n=2
2007, Fall	Dysphagia, SHS517, n = 21 Graduate Thesis: n=2
2007, Spring	Voice Disorders, SHS525, n = 33 Graduate Thesis: n=2
2006, Fall	Dysphagia, SHS517, n = 28 Graduate Problems, SHS 551, n = 4 Undergraduate Problems, SHS 451, n = 1
2006, Spring	Voice Disorders, SHS 525, n = 15 Graduate Problems, SHS 551, n = 1 Undergraduate Problems, SHS 451, n = 2
2005, Fall	Dysphagia, SHS 517, n = 26 Undergraduate Problems, SHS 451, n = 2
2005, Summer	Undergraduate Problems, SHS 451, n = 2
2005, Spring	Voice Disorders, SHS525, n = 34 Undergraduate Problems, SHS 451, n = 3
2004, Fall	Introduction to Communication Disorders, SHS 302/SPCED 302, n = 34 Graduate Problems, SHS551, n= Undergraduate Problems, SHS 451, N=
2004, Spring	Introduction to Communication Disorders, SHS 302/SPCED 302, n = 38 Voice Disorders, SHS525, n = 27 Graduate Problems, SHS 551, n = 2 Undergraduate Problems, SHS 451, n = 1
2003, Fall	Introduction to Communication Disorders, SHS302/SPCED302, n = 28

Dysphagia, SHS 517, n = 16

2003, Spring Dysphagia, SHS517, n = 12
Voice Disorders, SHS525, n = 26
Graduate Problems, SHS551, n = 1

2002, Fall Dysphagia, SHS517, n = 23
Graduate Problems, SHS551, n = 1

2002, Spring Voice Disorders, SHS525, n = 25

2001, Fall Dysphagia, SHS517, n = 21

2001, Spring Voice Disorders, SHS525, n = 20

Medical University of South Carolina

1998, Fall Dysphagia, CSD540, n = 16

Service

Editorships

- 2000-2002 HearSay Editor
- 1995- present Editor and manager for www.dysphagia.com
- 1995- present Editor and manager of Dysphagia interdisciplinary professional mail list

Reviewing for journals

- 2004- present JSLHR Reviewer
- 2003- present Dysphagia Reviewer

Administrative work with professional societies, elected offices held

- 2012-2013 ASHA MARC Mentor
- 2012-2013 ASHA STEP Mentor
- 2000- 2001 NMSHA Secretary
- 1988- 1990 NMSHA Governmental Affairs Chair

Administrative work in Department, College, University committees

- 2012-2013 Chair, Search Committee for Assistant Professor hire
- 2011- present Chair, Comprehensive Exam Committee
- 2011- 2014 Faculty Senate Library Committee
- 2008 – 2013 department library liaison
- 2009 – present University Hospital liaison
- 2002 - present Comprehensive (or CIP) Exam Grader
- 2002 – 2012 Curriculum Committee
- 2002 – 2011 Graduate Admissions reviewer
 - Review and rate letters of intent & recommendation letters
- 2002 – 2013 Undergraduate Advisor for Department of Speech & Hearing Science
- 2003 – 2005 Department recruitment materials development
- 2002 – 2005 Department photographer and photo archivist
- 2002 – 2005 Department technology support

External Service & Volunteer Service

- 2005- present Science Education Outreach for Various Elementary Schools
- 2005-present Science fair judge at elementary and middle schools