

CURRICULUM VITAE

Melda Kunduk PhD, CCC-SLP
Assistant Professor
LSU Department of Communication Sciences and Disorders
LSUHSC-Otolaryngology-H&N Surgery
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Education and Training

- 2004 Ph.D. University of Wisconsin-Madison
- 1990 MsC. City University, London/UK, Human Communication
- 1982 B.s. C Hacettepe University, Ankara, Turkey, Child Education and Development.

Professional Experience/Employment History

- 8/21/2006- Assistant Professor, LSU Department of Communication Sciences and Disorders, Baton Rouge, LA.
- 8/21/2008- Adjunct Professor, LSUHSC-Otolaryngology, Head and Neck Surgery New Orleans.
- 8/21/2006- Adjunct Professor, LSU-SAHP Department of communication Disorders, New Orleans, LA
- 2/3/2006 - Adjunct Professor, LSU-Life Course and Aging Center
- 9/1/2003-8/19/2006 Assistant Professor, LSU-SAHP Department of Communication Disorders, New Orleans, LA.
- 14/7/97-8/31/2002 Research Assistant University Hospitals and Clinics-Department of Surgery/Otolaryngology and Head and Neck Surgery, University of Wisconsin-Madison.
- 1/11//90-1/7/97 Speech Pathologist, International Hospital, Istanbul, Turkey.

Certification/Licensure

- 1998 present American Speech and Hearing Association #
- 1997-2002 Wisconsin Speech and Hearing Association #
- 2003-present Louisiana Speech and Hearing Association #

Professional Organization Memberships

1998 present American Speech and Hearing Association
 1997-2002 Wisconsin Speech and Hearing Association
 2003-present Louisiana Speech and Hearing Association
 2006-present Dysphagia Research Society

Publications

Journal Articles

Published:

Döllinger M., Lohscheller J., McWhorter A., **Kunduk M.** (2009). Variability of Normal Vocal Fold Dynamics for Different Vocal Loading Investigated by Phonovibrograms. *J Voice*. 23(2): 175-81.

Lohscheller J, Döllinger M, McWhorter A, **Kunduk M.** (2008). Quantitative analysis of vocal loading effects on vocal fold dynamics using Phonovibrograms. *Ann Otol Rhinol Laryngol*, July; 117 (7):484-93.

Kunduk M, Yan Y., McWhorter, A., Bless, D. (2006) Investigation of voice initiation and voice offset characteristics with high-speed digital imaging. *Logopedics Phoniatrics Vocology*, Volume 31, Number 3, October.

Yan, Y., Ahmad. K., **Kunduk**, M Bless D. (2005). Analysis of vocal fold vibrations from high-speed laryngeal images using a Hilbert Transform –Based methodology. *J. Voice* 9(2):161-175.

In press

Kunduk M., McWhorter AJ. True Vocal Fold Nodules: The Role of Differential Diagnosis. *Current Opinion in Otolaryngology and Head & Neck Surgery* (In press).

LeBert B., McWhorter AJ., **Kunduk M.**, Hessel AC., Lewin JS., Hutcheson KA., Barringer DA., Walvekar RR., Holsinger C. Office-based Tracheoesophageal Puncture with Transnasal Esophagoscopy in Total Laryngectomy Patients With or Without Free-Flap Reconstruction. *Archives of Otolaryngology - Head & Neck Surgery* (in press)

Donovan NJ., Juengling-Sudkamp J., **Kunduk M.** A Review of Health Behavior Theories and Their Applicability to Dysphagia Treatment. *Journal of Medical Speech and Language pathology Health forum* (in press).

Kunduk M., Döllinger M., McWhorter A., Lohscheller J. Assessment of the variability of vocal fold dynamics within and between recordings with high-speed imaging and by Phonovibrogram (in press). Laryngoscope.

Under revision

Kunduk M., Appel K., Tunc M., Alanoglu Z., Alkis N., Dursun G., Ozgursoy O. Preliminary Report of Laryngeal Phonation During Mechanical Ventilation Using the Blom^R Tracheostomy Tube with a fully inflated cuff” (Under review) Respiratory Care.

Book Chapters:

Published:

Arriaga M., Hall C., Nuss D., **Kunduk M.** Temporal Bone Resection. In Salivary Gland Tumors. (eds) Myers EN and Ferris R. Springer-Verlag Berlin Heidelberg, 2007.

In Press:

Samlan R., Gartner-Schmidt J, **Kunduk M.** Visual Documentation of Larynx, Chapter 57. Cummings/ otolaryngology head and Neck Surgery , Fifth Edition. (Eds) PW Flint., BH Haughey., Richardson, KT Robbins., JR Thomas., JK. Niparko., V Lund. Elsevier Publishing. (in press)

Oral/Platform Presentations

Conference Presentations:

Gish A. **Kunduk M.**, Simms L., McWhorter AJ. “Vocal Warm-Up Practices and Perceptions in Vocalists: A Pilot Survey”. Accepted for presentation at Voice Foundation-Care of Professional Voice Meeting, June 2010, under preparation for publication in Journal of Voice.

Kunduk M., Döllinger M., McWhorter A., Lohscheller J. Assessment of the variability of vocal fold dynamics within and between recordings with high-speed imaging and by Phonovibrogram. Combined Otolaryngology Societies Meeting (COSM) Phoenix AZ , May 2009.

LeBert B., McWhorter AJ., **Kunduk M.**, Hessel AC., Lewin JS., Hutcheson KA., Barringer DA., Walvekar RR., Holsinger C. Office-based Tracheoesophageal Puncture with Transnasal Esophagoscopy in Total Laryngectomy Patients With or Without Free-Flap Reconstruction. Combined Otolaryngology Societies Meeting (COSM) Phoenix AZ , May 2009.

Virani A, **Kunduk M.**, McWhorter AJ. Investigating Voice Outcomes following Repeated Surgeries for Recurrent Respiratory Papillomatosis. American Speech-Language and Hearing Association Convention, Chicago, November 20-22, 2008.

Kunduk M, Lohscheller J, McWhorter AJ, Döllinger. M. Effects of pitch and intensity variations on normal vocal fold dynamics detected by PVG analysis. UCSF, Voice Conference. October 16-18, 2008.

Kunduk M, Appel K. Laryngeal Phonation during Mechanical Ventilation through a cuffed Tracheostomy Tube. American Speech and Hearing Association Convention Boston, November 14-17, 2007.

Lohscheller J, Doellinger M, McWhorter AJ, **Kunduk M**. The Impact of Vocal Loading on Vocal Fold Vibratory Characteristics Investigated by Phonovibrograms. Care of Professional Voice Symposium, Philadelphia May 29-June 2, 2007

Kunduk M, McWhorter AJ, Yan Y. Comparison of Vocal Fold Vibratory Characteristics between Videostroboscopy and High Speed Digital Imaging. , Care of Professional Voice Symposium, Philadelphia May 29-June 2, 2007.

Kunduk M, Bonnet A, McWhorter AJ, Benninger M, Yan Y Effects of Menstruation on Vocal Fold Vibratory Characteristics: Investigation with High Speed Digital Imaging. Care of Professional Voice Symposium, Philadelphia May 29-June 2, 2007.

Yun Y, **Kunduk M**, McWhorter AJ. The vocal folds' vibratory characteristics in voice tremor and adductor spasmodic dysphonia investigated with high-speed digital imaging. Care of Professional Voice Symposium, Philadelphia May 29-June 2, 2007.

Yan Y, McWhorter A, **Kunduk M**. The vocal folds' vibratory characteristics in voice tremor and adductor spasmodic dysphonia investigated with high-speed digital imaging. The 5th International Conference on Voice Physiology and Biomechanics Variations across Cultures and Species July 12--14 2006, Tokyo, Japan.

Kunduk M, Yan, Y, McWhorter, A, Bless D. Investigation of Voice initiation and Voice Offset Characteristics with High-Speed Digital Imaging. PEVOC Conference, London /UK. August 31-September 3, 2005.

Kunduk M. Muscle Tension Dysphonia and its Treatment. Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.

Kunduk M. New Imaging Techniques of Vocal Fold Vibrations Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.

Kunduk M, Bless D, McWhorter A, Yan Y. High Speed Digital Imaging: Clinical and Research Application. UCSF Voice Conference, San Francisco, October 21-23, 2004.

Kunduk M, Hirano S, Bless D, Ahmed K, Ford C. Voice Initiation Patterns in Young and Old Females. 33. Annual Symposium: Care of Professional Voice, Philadelphia. June 2-6, 2004.

Invited Speaker: Workshops/Lectures

Kunduk M., McWhorter AJ., Schexnaildre M. Management of Voice and Swallowing Dysfunction Following Surgery of the Cranial Base. Breakfast Seminar#3. North American Skull Base Society Meeting, New Orleans, October 16-18,2009.

Kunduk M. Voice Disorders. 5th Ulusal Dil ve Konusma Bozukluklari Kongresi, Kusadasi-Izmir Turkey, Nisan 30-May 2, 2009

Kunduk M. Dysphagia. 5th Ulusal Dil ve Konusma Bozukluklari Kongresi, Kusadasi-izmir, Turkey, Nisan 30-May 2, 2009

Kunduk M. Voice disorders and their treatment. Workshop In Anadolu University/Eskisehir – Turkey. December 22-24, 2008.

Kunduk M. Dysphagia Treatment Techniques and their efficacy. 12th Annual LBESPA CE Workshop, April 19, 2008.

Kunduk M. Assessment and management of speech and swallowing treatments in special populations. Victory Educators LLC, Skill building Seminars for therapy professionals. Baton Rouge June 6, 2008.

Kunduk M. Dysphagia, its assessment and treatment. Workshop in Anadolu University/Eskisehir –Turkey. December 26-29. 2007.

Kunduk M: Spasmodic dysphonia/MTD. National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.

Kunduk M: Special cases in Dysphagia . National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.

Kunduk M. Voice disorders and treatment. Workshop in Anadolu University/Eskisehir – Turkey. December 25-29. 2006.

Kunduk, M L. Carroll, U. Eysholdt, M. Behlau, June 21, Voice Laboratory Panel. World Voice Conference, Istanbul, Turkey June 19-22, 2006.

Local Instructional Activities (Guest Lecturer):

Kunduk M., McWhorter AJ., Schexnaildre M. Management of Voice and Swallowing Dysfunction Following Surgery of the Cranial Base. Ground Rounds Lecture for LSU-ENT Residents, December 2009.

Kunduk M. Principles of Voice Therapy: Voice Anatomy, Physiology, and Clinical Evaluation, LSU-ENT Didactic Day, September 1, 2009.

Kunduk M. Voice Therapy: Voice for treatment of Common Voice Disorders , LSU-ENT Didactic Day, September 1, 2009.

Kunduk M. Videostroboscopy. Otolaryngology- Head and Neck Surgery, Residence training lecture series, September 8, 2009.

Kunduk M. Videostroboscopy. University Medical Center, Lafayette, November 17, 2008.

Kunduk M. Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, Residence training lecture series November /11/2008.

Kunduk M. LSUHSC-Otolaryngology –Head and Neck Surgery- Annual Research Day, June 16, 2008.

Kunduk M. Dysphagia following skull base surgery, April 20, 2008 LSUHSC-Otolaryngology – Head and Neck Surgery, Ground Rounds Lecture.

Kunduk M. Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, 9/11/2007.

Kunduk M. LSUHSC-Otolaryngology –Head and Neck Surgery- Annual Research Day, June 16, 2007

Kunduk M. LSU-COMD. Brown Bag Series. 9/27/ 2007.

Poster Presentations at Professional Meetings:

Lalande M., Virani A., McWhorter AJ., **Kunduk M.** Dysphonia Patient Demographics, Frequent Causes and Therapy Outcome. American Speech and Hearing Association Convention New Orleans, November 19-21, 2009.

Virani A., McWhorter AJ., **Kunduk M.** Dysphagia: Patient Demographics, Frequent Causes and Swallowing Outcomes. American Speech and Hearing Association Convention New Orleans, November 19-21, 2009.

Hanby, DF, McWhorter J A, **Kunduk M.** Repair of Pharyngocutaneous Fistula after Total Laryngectomy: A Novel Endoscopic Approach. ABEA poster section, 2008 Combined Otolaryngology Societies Meeting (COSM) Orlando, Florida. *Poster AWARD: 3rd Place*

Gaudet J, **Kunduk M,** McWhorter AJ. Transoral Laser microsurgery in Treatment of Recurrent Glottic and Supraglottic laryngeal carcinoma in Previously Irradiated Patients COSM San Diego, May 2007.

Yan Y, Delmrose J, **Kunduk M.** Laryngeal Imaging and Analysis of the Glottal Waveform. AAO-HNSF September 17-20, 2006 Toronto, Ontario, Canada.

Kunduk M. Robbins J., Dengel G., Gill G., Heisey D. Quantifying vallecular area during chin down posture. Poster session. Dysphagia Research Society Meeting, Savannah, Georgia, October, 2000.

Kunduk M., Ford CN, Bless D. Effects of lidocaine injection on hyperfunctional voice disorders. Poster Session. ASHA convention, San Francisco, November 1999.

Other Professional Presentations

A. McWhorter. MD, M. **Kunduk PhD.** Transnasal Esophagoscopy Course. New York, 11/10/2007

A. McWhorter. MD, M. **Kunduk PhD.** Transnasal Esophagoscopy Course. New Orleans, April 16, 2005.

A. McWhorter. MD, M. **Kunduk PhD.** Transnasal Esophagoscopy Course. New Orleans, March 11, 2005

A. McWhorter. MD, M. **Kunduk PhD.** Transnasal Esophagoscopy Course. New Orleans, October 7, 2004.

A. McWhorter. MD, M. **Kunduk PhD.** Transnasal Esophagoscopy Course. New Orleans, June 27, 2004.

Organization of the Workshop/Lectures:

Christopher Grose, KAYPENTAX Product Specialist. Student and Instructor instrumentation training, October 2009.

Paul Arcell/ KAYPENTAX representative. Student and Instructor instrumentation training, October 17-18, 2007 New York.

Dr. Eric Blom. Tracheosophageal Voice Restoration. November 4, 2006.

Grant applications:

Funded Proposals:

Kunduk M. 2008 LSU- Faculty Research Grant Program(\$10,000) .Towards the Computer-Aided Diagnostics of Voice Disorders; Gaining Data on Age and Gender Effects on Vocal Fold Dynamics Using High-Speed Laryngoscopy and Phonovibrograms.

Kunduk M. 2008 Summer Stipend Program Grant (\$5000). Identifying Normative Data of Vocal Fold Dynamics in Healthy Female Subjects by High- Speed Digital Imaging System and Pharyngovibrogram

Kunduk M. LSU- Travel grant, 2008 (\$500)

Kunduk M. Our lady of Lake Regional Medical Center-Extern Agreement/Funding for a LSU-COMD /PhD student: \$12.000 (207-208)

Kunduk M. LSU –LSU-Travel grant, 2007 (\$750)

Contracts Obtained:

Kunduk M. Our lady of Lake Regional Medical Center-Extern Agreement/Funding for a LSU-COMD /PhD student, 2008-2010, (\$ 25,685.48), 2008-2010. (PhD student: Aneesha Virani)

Kunduk M. Our lady of Lake Regional Medical Center-Extern Agreement/Funding for a LSU-COMD /PhD student: \$12.000, 2007-2008. (PhD student: Aneesha Virani)

Grants Pending:

Kunduk M. Quantifying effects of age and gender on vocal fold vibration by using high–speed digital imaging and Phonovibrogram, BOR/ RCS proposal FY 2008-2009, (\$ 139,495)

Kunduk M. Board of Regents Support Fund: Traditional and Undergraduate Enhancement Grant, FY 2009-10. (Requested \$51,925.00.) Digital Videostroboscopy: Teaching, Training and Research