



**CURRICULUM VITAE**  
**Melda Kunduk Ph.D., CCC-SLP**  
**Associate Professor**  
**Louisiana State University**  
**Department of Communication Sciences and Disorders**  
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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

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**GRANTING AND FUNDING ACTIVITY**

**Funded:**

**LSU-College of Humanities and Social Sciences Manship Research Funding– P.I.**  
Funded 17/1/2013, **\$8000**

**Louisiana Board of Regents Research Competitiveness Support Grant– P.I.**  
Quantifying effects of age and gender on vocal fold vibration by using high–speed digital imaging and Phonovibrogram,  
Funded 7/1/2010-7/1/2014(no cost extension), **\$95,295**

**Louisiana Board of Regents / Experimental Program to Stimulate Competitive Research (EBSCoR)-Co-P.I.**  
Towards the Commercialization of a Phonatory Feedback Device for Individuals with Speech Disorders: Second-Generation Prototype Development.  
Funded 7/1/2011-7/1/2012, **\$20,000**

**LSU-College of Arts and Sciences Summer Research Funding– P.I.**  
Differential diagnosis of adductor spasmodic dysphonia and voice tremor using high-speed digital imaging and Phonovibrography.  
Funded, 7/1/2011-8/1/2011, **\$9,000**

**LSU- Faculty Research Grant Program-P.I.**  
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.

Funded 7/1/2008-7/1/2009, **\$10,000**

**LSU- Summer Stipend Program Award-P.I.**

Identifying Normative Data of Vocal Fold Dynamics in Healthy Female Subjects by High-Speed Digital Imaging System and Pharyngovibrogram.

Funded 7/1/2008-7/1/2009, **\$5,000**

**Our lady of Lake Regional Medical Center-Intern Funding for a LSU-COMD /PhD student-P.I.**

2010-2012, (PhD student: Allison Gish), **\$30,000**

**Our lady of Lake Regional Medical Center-Intern Funding for a LSU-COMD /PhD student-P.I.**

2007-2012, (PhD student: Aneesha Virani), **\$54,000**

**Applied in 2014 BUT Not Funded:**

**NIH- Exploratory/Development Research Grant (R21) -PI**

Voice Initiation and Offset Periods Investigated by High-speed Digital Imaging: Determining Their Role in Assessment of Vocal Fold Function (submitted February 17, 2013).

Total cost: **\$364,112**

**American Speech and-Language-Hearing Foundation, 2014 Clinical Research Grant;**

Does an Intensive Swallowing Exercise Regimen Starting prior to organ-Preservation Therapies for Head and Neck Cancer improve Swallowing Function?, April 15, 2014.

Total Cost: **\$73,000**

**PEER REVIEWED ARTICLES – PUBLISHED, IN PRESS (\* indicates student collaborator)**

1. Yan Y., Ahmad K., **Kunduk M.**, Bless D. Analysis of Vocal Fold Vibrations from High-Speed Laryngeal Images Using a Hilbert Transform –Based Methodology. *J. Voice*, 2005, 9 ((2): 161-175.
2. **Kunduk M.**, Yan Y., McWhorter, A., Bless D. Investigation of Voice Initiation and Voice Offset Characteristics with High-Speed Digital Imaging. *Logopedics Phoniatrics Vocology*, 2006 October; 31(3): 139-44.
3. Lohscheller J., Döllinger M., McWhorter A., **Kunduk M.** Quantitative Analysis of Vocal Loading Effects on Vocal Fold dynamics Using Phonovibrograms. *Ann Otol Rhinol Laryngol*, 2008 July; 117 (7): 484-93.
4. Döllinger M., Lohscheller J., McWhorter A., **Kunduk M.** Variability of Normal Vocal Fold Dynamics for Different Vocal Loading Investigated by Phonovibrograms. *J Voice*, 2009, 23(2): 175-81.
5. 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. *Arch Otolaryngol Head Neck Surg*. 2009 December; 135(12): 1190-4.
6. **Kunduk M.**, McWhorter AJ. True Vocal Fold Nodules: The Role of Differential Diagnosis. *Curr Opin Otolaryngol Head Neck Surg*. 2009 December; 17(6): 449-52. Review.

7. Durel J\*., J Gaudet J., **Kunduk M.**, McWhorter AJ. Transoral Laser Microsurgery for Malignancies of the Upper Aerodigestive Tract. *ORL Clinics: An International Journal*. 2010 Jan; 2(1) 95-105. Review
8. 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. *Journal of Medical Speech Pathology*, 2010, 18(1): 1-12. Review.
9. **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. *Laryngoscope*, 2010 May; 120(5): 981-7.
10. **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<sup>R</sup> Tracheostomy Tube with a fully inflated cuff” *Respiratory Care*, 2010 December; 55(12): 1661-1670.
11. Gish A\*., **Kunduk M.**, Simms L., McWhorter AJ. “Vocal Warm-Up Practices and Perceptions in Vocalists: A Pilot Survey”. *J Voice*, 2012; 26(1), Pages e111-e116.
12. Blech A, Patel R., **Kunduk M.**, Eysholdt U., Graf S. Clinical Analysis Methods of Voice Disorders. *Journal Current Bioinformatics* (In press). Review.
13. Wei Z\* de Queiroz M., Chen J\*., Gunturk B., **Kunduk M.** A new Model of Vocal Fold Vibrations: Preliminary Experimental Validation. In *Proceedings of the 4th Annual Dynamic Systems and Control Conference*, Arlington, VA. Oct 31 – Nov 2, 2011.
14. Zeithe A, Patel R., **Kunduk M.**, Eysholdt U., Graf S. Clinical Analysis Methods of Voice Disorders. *Journal Current Bioinformatics*, 2011 September, 6,(3):270-285(16.)Review.
15. **Kunduk M.**, Doellinger M., McWhorter AJ., Svec J., Lohscheller J. Surgical Treatment of Polyps Investigated with High-Speed Videoendoscopy and Phonovibrography. *Annals of Otolaryngology, Rhinology and Laryngology*, 2012; 121: 355-363.
16. Ikuma T., **Kunduk M.**, McWhorter JA. Mitigation of Temporal Aliasing via Harmonic Modeling of Laryngeal Waveforms in High-Speed Videoendoscopy. *J Acoust Soc Am*. 2012 Sep;132(3):1636-45.
17. Ikuma T. **Kunduk M.** McWhorter JA. Advanced waveform decomposition for high-speed videoendoscopy analysis. *J Voice*. 2013 May; 27(3):369-75
18. Ikuma T., **Kunduk M.**, McWhorter AJ. Preprocessing Techniques for High-Speed Videoendoscopy Analysis. *J Voice*. 2013 Jul; 27(4):500-5.
19. Ikuma T., **Kunduk M.**, McWhorter JA. Harmonics-to-Noise Ratios in Acoustic and Glottal Area Waveforms: A Study of Breathy Vocal Quality. In *Proceedings of the 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
20. Ikuma T., **Kunduk M.**, McWhorter JA. Effects of frame rates and modeling window size in objective analysis of high-speed videoendoscopy using harmonic models. In *Proceedings of the 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
21. Ikuma T., **Kunduk M.**, McWhorter JA. Bridging Between Glottal Area and Glottal Width Waveforms via Haar Wavelet Transform. In *Proceedings of the 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*

22. **Kunduk M.**, Chen J\*, McWhorter JA., Gunturk B. Effects of Pitch, Loudness and Phonation Types on Voice Initiation and Offset Investigated with High-Speed Videoendoscopy. In *Proceedings of the 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
23. Ikuma T., **Kunduk M.**, McWhorter AJ. . Objective Quantification of Pre- and Postphonosurgery Vocal Fold Vibratory Characteristics Using High-Speed Videoendoscopy and a Harmonic Waveform Model. *Journal of Speech Language Hearing Research*, 2014, June Vol. 57, 743–757.
24. Virani A\*, **Kunduk M.**, Fink D., McWhorter AJ. Effects of two different swallowing exercise regimens during organ-preservation therapies for head and neck cancers on swallowing function. *Head Neck*. 2015 Feb;37(2):162-70. doi: 10.1002/hed.23570. Epub 2014 Mar 17.
25. Unger J., Dietmar JH., **Kunduk M.**, Schuster M., Schick B., Lohscheller J. Quantifying spatiotemporal Properties of Vocal Fold Dynamics based on a Multiscale Analysis of Phonovibrograms, *IEEE Trans Biomed Eng*. 2014 Sep;61(9):2422-33. doi: 10.1109/TBME.2014.2318774. Epub 2014 Apr 23.
26. Fink DS., Peña S., Hanby D., **Kunduk M.**, McWhorter AJ. Repair of pharyngocutaneous fistula after total laryngectomy: A novel endoscopic approach. *Head Neck*. 2014 Oct 28. doi: 10.1002/hed.23911. [Epub ahead of print].

Submitted:

- Parameter Sensitivities of High-Speed Videoendoscopy Objective Analysis Using Harmonic Models. Takeshi Ikuma, Melda Kunduk ,Andrew J. McWhorter.

BOOK CHAPTERS:

1. Loehn B., **Kunduk M.**, McWhorter AJ. Advanced Cancer Larynx, Chapter 122. In *Head and Neck Surgery- Otolaryngology*, 5th Edition, 2014. Eds. Bailey BJ. & Johnson JY. Lippincott Williams&Wilkins
2. **Kunduk M.**, McWhorter AJ. Tracheo-esophageal Puncture Chapter 96, in *Total Otolaryngology*, 2015. (Eds) Anthony P. Sclafani. Thieme Publishers. New York, NY.
3. Samlan R., **Kunduk M.** Visual Documentation of Larynx, Chapter 57. Cummings/ *Otolaryngology Head and Neck Surgery*, Sixth Edition, 2015. (Eds) Paul W. Flint, MD, Bruce H. Haughey, MBChB, FACS, FRACS, Mark A. Richardson, MD, K. Thomas Robbins, MD, J. Regan Thomas, MD, John K. Niparko, MD, and Valerie Lund, MD, Elsevier Publishing,
4. 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.
5. Samlan R., Gartner-Schmidt J., **Kunduk M.** Visual Documentation of Larynx, Chapter 57. Cummings/ *Otolaryngology head and Neck Surgery*, Fifth Edition. (Eds) Paul W. Flint, MD, Bruce H. Haughey, MBChB, FACS, FRACS, Mark A. Richardson, MD, K. Thomas Robbins, MD, J. Regan Thomas, MD, John K. Niparko, MD, and Valerie Lund, MD. Elsevier Publishing, 2010.
6. Döllinger M., Lohscheller J., Svec J., McWhorter A., **Kunduk M.** Support Vector Machine Classification of Vocal Fold Vibrations Based on Phonovibrogram Features. *Advances in Vibration Analysis Research*, Ed: Farzad Ebrahimi, ISBN: 978-953-307-209-8, Publisher: In Tech, 2011, 435-456.

Online: <http://www.intechopen.com/articles/show/title/support-vector-machine-classification-of-vocal-fold-vibrations-based-on-phonovibrogram-features>.

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## CONFERENCE PRESENTATIONS

### Oral/Platform Presentations

1. **Kunduk M.**, McWhorter JA. Direct evaluation of esophageal end of a tracheoesophageal Puncture (TEP): its significance in TEP management. ASHA Convention November 16-18, 2014, Orlando FL. *1 hour Seminar*
2. Fink DS., Sibley H., **Kunduk M.**, Schexnaider M., McWhorter AJ. Voice Outcomes after Primary Trans-Oral Laser Microsurgery for Early Glottic Cancer. Fall Voice Conference, October 23-25, 2014 San Antonio TX.
3. Ikuma T., **Kunduk M.**, McWhorter JA. Harmonics-to-Noise Ratios in Acoustic and Glottal Area Waveforms: A Study of Breathy Vocal Quality. 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio  
**Kunduk M.**, McWhorter JA. Direct evaluation of esophageal end of a tracheoesophageal Puncture (TEP): its significance in TEP management. ASHA Convention November 16-18, 2014, Orlando FL. *1 hour Seminar*
4. Ikuma T., **Kunduk M.**, McWhorter JA. Bridging Between Glottal Area and Glottal Width Waveforms via Haar Wavelet Transform. 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
5. **Kunduk M.**, Chen J\*., McWhorter JA., Gunturk B. Effects of Pitch, Loudness and Phonation Types on Voice Initiation and Offset Investigated with High-Speed Videoendoscopy. International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
6. Virani A. **Kunduk M.**, McWhorter AJ. Effects of Performing Two Different Prophylactic Swallowing Exercise Protocols on Swallowing Outcomes Post-Chemoradiation .Twenty-first Annual Dysphagia Research Society Meeting in Seattle, Washington from March 14-16, 2013
7. Ikuma T., **Kunduk M.**, McWhorter JA. High-speed digital imaging and the influence of frame rates on endoscopic parameters in assessing vocal fold vibratory function. NYU Fall Voice Conference, October 4-6, 2012, New York.
8. Ikuma T., **Kunduk M.**, McWhorter JA. A laryngeal waveform model to describe vibratory characteristics in benign lesions of vocal folds obtained with high-speed videoendoscopy. 41th Annual Symposium: Care of Professional Voice, Philadelphia, May30-June 3 1-5, 2012.
9. Ikuma T., **Kunduk M.**, McWhorter JA. Quick Vibratory Profile of High-Speed Videoendoscopy (HSV) Data and Its Applications. 41th Annual Symposium: Care of Professional Voice, Philadelphia, May30-June3 1-5, 2012.
10. **Kunduk M** Chen J.,McWhorter AJ., Gunturk B. Investigation of Voice Offset Characteristics in Young Females with High-Speed Digital Imaging. 41th Annual Symposium: Care of Professional Voice, Philadelphia, May30-June3 1-5, 2012.
11. Luegmair G\*., **Kunduk M.**, Deliyski D., Doellhnger M. Effects of Temporal Resolution on Objectively Assessed Vocal Fold Parameters via High-Speed Imaging. 40th Annual Symposium: Care of Professional Voice, Philadelphia, June 1-5, 2011.
12. **Kunduk M.**, Chen J\*., McWhorter AJ., Li B., Guntur B. Investigation of Voice Initiation Characteristics in Young Females with High-Speed Digital Imaging. 9<sup>th</sup>International

- Conference on Advances in Quantitative Laryngology, Voice and Speech Research, September 10-11, 2010 Erlangen, Germany.
13. Gish A\*, **Kunduk M.**, Simms L., McWhorter AJ. "Vocal Warm-Up Practices and Perceptions in Vocalists: A Pilot Survey". Voice Foundation-Care of Professional Voice Meeting, June 2-6, 2010.
  14. **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.
  15. 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.
  16. 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.
  17. **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.
  18. **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.
  19. 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
  20. **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.
  21. **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.
  22. 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.
  23. 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.
  24. **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.
  25. **Kunduk M.** Muscle Tension Dysphonia and its Treatment. Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.

26. **Kunduk M.** New Imaging Techniques of Vocal Fold Vibrations Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.
27. **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.
28. **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.

Poster Presentations:

29. Virani A., **Kunduk M.**, McWhorter AJ. Effects of chemoradiation-treatments on swallowing function: Subjective vs. objective findings. ASHA Convention November 16-18, 2014, Orlando FL.
30. Terry B, Fink D, **Kunduk M**, McWhorter A. Endoscopic Management of Combined Laryngoceles: Case series and review of the literature. American Laryngological Association Spring Meeting 2014.
31. Tran C, Fink DS, **Kunduk M**, McWhorter A. Minimally invasive management of trachea-esophageal fistula with T-tube. American Academy of Otolaryngology – Head and Neck Surgery Foundation, Annual Meeting & OTO Expo, September 29-October 2, 2013 Vancouver, BC, Canada.
32. Sutton C., Fink DS., **Kunduk M.**, McWhorter A. Swallowing Outcomes after Salvage Transoral Laser Microsurgery (TLM) for Laryngeal Squamous Cell Carcinoma. American Academy of Otolaryngology – Head and Neck Surgery Foundation, Annual Meeting & OTO Expo, September 29-October 2, 2013 Vancouver, BC, Canada.
33. Ikuma T., **Kunduk M.**, McWhorter JA. Effects of frame rates and modeling window size in objective analysis of high-speed videoendoscopy using harmonic models. the 10<sup>th</sup> International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
34. Virani A\*, **Kunduk M.** McWhorter AJ. Effects of Chemoradiation-treatments On Swallowing Function: Subjective vs. Objective findings. ASHA Convention, November 14-17, 2012 Atlanta, GA.
35. Chen J., **Kunduk M.** , Ikuma T., McWhorter AJ., Gunturk B. Glottal Axis Determination Techniques and Their Effects on the Quantification of High-Speed Videoendoscopic Parameters in Normal and Disordered Voices. 41th Annual Symposium: Care of Professional Voice, Philadelphia, May 30-June 3 1-5, 2012.
36. **Kunduk M.**, Doelinger M., McWhorter AJ., Lohscheller J. Surgical Treatment of Polyps Investigated with High-Speed Videoendoscopy and Phonovibrography. American Laryngological Association poster session, Combined Otolaryngology Societies Meeting (COSM), April 27-29 Chicago, 2011.
37. Virani A\*, **Kunduk M.**, Li B., McWhorter AJ. Effects of Behavioral Swallowing Therapy on Feeding Outcomes in Treated Head and Neck Cancer Patients. American Head and Neck Society, Poster session, Combined Otolaryngology Societies Meeting (COSM), April 27-29 Chicago, 2011.
38. Lalande M., Virani A\*, McWhorter AJ., **Kunduk M.** Dysphonia Patient Demographics, Frequent Causes and Therapy Outcomes. American Speech and Hearing Association Convention New Orleans, November 19-21, 2009.

39. 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.
40. 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*
41. 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.
42. Yan Y., Delmrose J., **Kunduk M.** Laryngeal Imaging and Analysis of the Glottal Waveform. AAO-HNSF September 17-20, 2006 Toronto, Ontario, Canada.
43. **Kunduk M.**, Robbins J., Dengel G., Gill G., Heisey D. Quantying Vallecular Area During Chin Down Posture. Poster session. Dysphagia Research Society Meeting, Savannah, Georgia, October, 2000.
44. **Kunduk M.**, Ford CN., Bless D. Effects of Lidocaine injection on Hyperfunctional Voice Disorders. Poster Session. ASHA Convention, San Francisco, November 1999.

Invited Speaker: Workshops/Lectures (Local/National/International)

1. **Kunduk M.** Esophageal Dysphagia from the SLP's Perspective. Advanced Topics in Surgical Voice Restoration: Re-Evaluating Swallowing & Voice in an Era of Organ Preservation, August 8-9, 2014 Baltimore, MD.
2. **Kunduk M.** Dysphagia Treatment Strategies, June 6, 2014 Louisiana Speech Hearing and Language Association (LSHA), Lafayette, LA
3. **Kunduk M.** High –Speed Digital Imaging and its Clinical Application, October 8, 2013, Department of Phoniatics and Pediatric Audiology, University of Erlangen, Germany.
4. **Kunduk M.** Clinical Application of High-speed Digital Imaging. Salt Lake City, UT. Phonosurgery Symposium, July 18-19, 2013.
5. **Kunduk M.** Evidence Based Treatment in Swallowing Disorders. 6<sup>th</sup> Turkish National Speech and Language Association Conference. Izmit, Turkey May 2-5, 2013
6. **Kunduk M.** Rehabilitation After Total Laryngectomy. 6<sup>th</sup> Turkish National Speech and Language Association Conference. Izmit, Turkey, May 2-5, 2013
7. **Kunduk M.** Management of Dysphagia in the Head and Neck Cancer Patient, Evaluation and Treatment of Dysphagia in Head and Neck Cancer Population Workshop, Deep South Conference, Baton Rouge Speech Pathology Association. Baton Rouge, LA. April 27, 2012
8. **Kunduk M.** Seminar on Assessment and Treatment of Dysphagia, January 12-14, 2012, Anadolu University, DILKOM, Eskisehir, Turkey
9. **Kunduk M.** Dysphagia Treatment Techniques and Their Efficacy. 15<sup>th</sup> Annual LBESPA CE Workshop, April 16, 2011, Baton Rouge.
10. Mc Whorter A., **Kunduk M.**, Schnexildre M. Assessment and Treatment of Benign Lesions of Vocal Folds. Baton Rouge Area Speech-Language Pathology, March 19, 2011.
11. **Kunduk M.** Dysphagia. Ankara University, Faculty of Medicine, Department of Otolaryngology- Head and Neck Surgery. Ankara, Turkey, May 22, 2010.

12. **Kunduk M.** Dysphagia in Head and Neck Cancer. ENT Society of Eskisehir May 19, 2010.
13. **Kunduk M.** Seminar on Dysphagia. May 17-19, 2010. Dilkom, Anadolu University/Eskisehir, Turkey.
14. **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.
15. **Kunduk M.** Voice Disorders. 5<sup>th</sup> National Speech and Language Association Conference, Kusadasi-Izmir Turkey, April 30-May 2, 2009
16. **Kunduk M.** Dysphagia. 5<sup>th</sup> National Speech and Language Association Conference, Kusadasi-izmir, Turkey, April 30-May 2, 2009
17. **Kunduk M.** Voice Disorders and Their Treatment. Workshop in Anadolu University/Eskisehir –Turkey. December 22-24, 2008.
18. **Kunduk M.** Dysphagia Treatment Techniques and Their Efficacy. 12<sup>th</sup> Annual LBESPA CE Workshop, April 19, 2008, Baton Rouge.
19. **Kunduk M.** Dysphagia, its Assessment and Treatment. Workshop in Anadolu University/Eskisehir-Turkey. December 26-29. 2007.
20. **Kunduk M.** Spasmodic Dysphonia/MTD. National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.
21. **Kunduk M.** Special Cases in Dysphagia. National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.
22. **Kunduk M.** Voice Disorders and Treatment. Workshop in Anadolu University/Eskisehir –Turkey. December 25-29. 2006.
23. **Kunduk M.**, Carroll L., Eysholdt U., Behlau M. Voice Laboratory Panel. World Voice Conference, Istanbul, Turkey June 19-22, 2006.
24. Mc Whorter A., **Kunduk M.**, Schnexaildre M. Treatment of Voice Disorders. Baton Rouge Area Speech-Language Pathology, February 4, 2006.

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#### AWARDS

Participant award in the Early Career Reviewer (ECR) program at the Center for Scientific Review (CSR), National Institute of Health ([www.csr.nih.gov/ECR](http://www.csr.nih.gov/ECR)) 2012.

Participant award, 2<sup>nd</sup> American Speech and Hearing Association-2nd Annual Clinical Practice Research Institute, 2010.

ABEA 3<sup>rd</sup> place poster award. Hanby, DF\*, McWhorter J A, **Kunduk M.** Repair of Pharyngocutaneous Fistula after Total Laryngectomy: A Novel Endoscopic Approach. 2008 Combined Otolaryngology Societies Meeting (COSM) Orlando, Florida.

Aneesha Virani\* (LSU-COMD) recipient of the American-Speech-Language Hearing Foundation's Graduate Student Scholarship for International Students, 2010.

Mentor: **Kunduk M.**

Allison Gish\*(LSU–COMD) recipient of American Speech-Language-Hearing Association's Students Preparing for Academic Research Careers (SPARC) Award, 2009.

Mentor: **Kunduk M.**

Faculty Research Travel Award, 2007, 2008, 2013

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## **TEACHING AND MENTORING**

### Graduate Courses

COMD 7383 Cleft Plate

COMD 7783 Dysphagia

COMD 7382 Voice Disorders

COMD 7780 Seminar (Voice/Swallowing disorders)

### Master Theses:

Major Professor:

**Master thesis (COMD 8000) spring semester 2015(student: LP)**

Master thesis (COMD 8000) spring semester 2008(student: BD)

Master thesis (COMD 8000) spring semester 2009 (student: RLeB)

Master thesis (COMD 8000) spring semester 2010(student: AG)

Master thesis (COMD 8000) spring semester 2013(student: SH)

Master thesis (COMD 8000) spring semester 2013(student: AL)

Committee Member:

**MT (LSU – Mechanical and Industrial Engineering) (expected graduation: May 2015)**

**SRT (LSU – Mechanical and Industrial Engineering)(expected graduation: May 2015)**

TS. (COMD)

LCL. (COMD)

TmcCR. (COMD)

RS. (Department of Mechanical Engineering)

### Dissertations

Major Professor:

**M V 2014 (expected graduation: May 2018)**

AV. 2007- 2012(COMD)

AG. 2010-2012(not completed) (COMD)

Committee Member:

JJ. 2007- 2012 (COMD)

ZW. 2009-2012 (Department of Mechanical Engineering)

**JC. 2010-2014 (Department of Electrical and Computer Engineering)**

### Local Instructional Activities (Lecturer):

1. **Kunduk M.** Videostroboscopy. Otolaryngology- Head and Neck Surgery, Residence Training Lecture Series, August 24, 2014.

2. **Kunduk M.** Assessment of Dysphagia. LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training Didactic Day, August 3, 2014
3. **Kunduk M.** Mc Whorter A., Schnexaildre M Deep South Conference, Baton Rouge. Dysphagia and its Treatment in Head and Neck Cancer Patients, April 27, 2012.
4. Loehn B\*, **Kunduk M.**, McWhorter AJ. Diagnosis and Treatment of Spasmodic Dysphonia. . LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training Didactic Day, April5, 2011.
5. **Kunduk M.** Videostroboscopy. Otolaryngology- Head and Neck Surgery, Residence Training Lecture Series, August 24, 2010.
6. **Kunduk M.** Assessment of Dysphagia. LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training Didactic Day, August 3, 2010.
7. **Kunduk M.**, McWhorter AJ., Schexnaildre M. Management of Voice and Swallowing Dysfunction Following Surgery of the Cranial Base. Ground Rounds Lecture for LSUHSC- LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training, December 2009.
8. **Kunduk M.** Principles of Voice Therapy: Voice Anatomy, Physiology, and Clinical Evaluation, LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training Didactic Day, September 1, 2009.
9. **Kunduk M.** Voice Therapy: Voice for treatment of Common Voice Disorders, LSUHSC- Otolaryngology- Head and Neck Surgery, Residence Training Didactic Day, September 1, 2009.
10. **Kunduk M.** Videostroboscopy.LSUHSC- Otolaryngology- Head and Neck Surgery, Residence training lecture series, September 8, 2009.
11. **Kunduk M.** Videostroboscopy. University Medical Center, Lafayette, November 17, 2008.
12. **Kunduk M.** Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, Residence training lecture series November /11/2008.
13. **Kunduk M.** Dysphagia following skull base surgery, April 20, 2008 LSUHSC- Otolaryngology –Head and Neck Surgery, Ground Rounds Lecture.
14. **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
15. **Kunduk M.** Videostroboscopy. LSUHSC-otolaryngology- Head and Neck Surgery, 9/11/2007.
16. **Kunduk M.** LSU-COMD. Brown Bag Series. Transoral Laser microsurgery in Treatment of Recurrent Glottic and Supraglottic laryngeal carcinoma in Previously Irradiated Patients. LSU-COMD. Brown Bag Series. Presenter on 9/27/ 2007.

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## SERVICES

### Departmental:

1. Acquisition of KayPENTAX Digital Video Stroboscopy System, Model 9295, June 2013
2. Graduate Student Supervisor for non-traditional students (2011- )
3. Search chair for hiring two new tenure track assistant professor (2011-2013)
4. COMD-Departmental Graduate and Undergraduate Research Travel Award Administrator (2010- )

5. Doctoral Program Committee; 2009-10
6. IRB Representative; June 2007-
7. Budget Committee: 2007-08
8. Graduate Admissions Committee (2007- 2012)
9. Search committee member for departmental Administrative Assistant (2013).
10. Departmental P&T member, 2012, 2013
11. Space Committee 2014-

#### University

1. Research Affiliate of the Life Course and Aging Center (LCAC).
2. Provisional Application for Patent for the Volume Monitor Device by the LSU.
3. Dean's representative (2006, 2010, 2011, 2012, 2013)
4. Development of Voice and Speech Assessment and Treatment App. Together with Drs. Yun Kim (LSU-COMD) and Gerald Knapp (LSU – Department of Mechanical and Industrial Engineering)

#### Professional

- Member of ASHA 2014 Convention Voice, Alaryngeal and Resonance Committee

#### **Reviewer for Scholarly Journals:**

- Laryngoscope
- JSHLR
- Annals of Otolaryngology Rhinology and Laryngology
- Folia Phoniatica et Logopaedica

#### Workshop/Seminar Organizations:

1. **Kunduk M.** A Unique Tracheostomy Tube System. April 29, 2014, LSU-COMD Baton Rouge LA. **Presenter:** Kim Appel M.A., CCC-SLP
2. **M. Kunduk.** Rehabilitation after total laryngectomy Workshop for LSUHSC –Dept. of Otolaryngology-Head and Neck Surgery Residents, **Presenter:** Dr. Hilgers. May 17, 2013 Baton Rouge.
3. **Kunduk M.** Rehabilitation after total laryngectomy Workshop for Speech and language pathologist. May 18, 2013 New Orleans. **Presenter:** Dr. Hilgers
4. **Kunduk M.** A Unique Tracheostomy Tube System. **Presenter** Kim Appel M.A., CCC-SLP. October 17-18, 2012, OLOLRMC, Baton Rouge.
5. Kunduk M. A Unique Tracheostomy Tube System. **Presenter** Kim Appel M.A., CCC-SLP. October 17-18, 2012, LSU-COMD, Baton Rouge
6. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, October 7, 2004.
7. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, June 27, 2004.
8. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, April 16, 2005.
9. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, March 11, 2005.

10. **Kunduk M.** Traceosophageal Voice Restoration. **Presenter:** Dr. Eric Blom. November 4, 2006 Baton Rouge.
11. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New York, November 10, 2007
12. **Kunduk M.** Student and Instructor instrumentation training, **Presenter:** Paul Arcell, KAYPENTAX Representative. October 17-18, 2007, Baton Rouge.
13. **Kunduk M.** KAYPENTAX Product Specialist. Student and Instructor instrumentation training, **Presenter:** Christopher Grose, KAYPENTAX Product Specialist. October, 2009. Baton Rouge.
14. **Kunduk M.** Objective Assessment of Vocal Fold Vibratory Function. **Presenters:** Drs. Michael Doellinger and Daniel Voigt, 2/18/2011, LSU-COMD.

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#### PROFESSIONAL EXPERIENCE/EMPLOYMENT HISTORY

8/16/2012-	Associate Professor, LSU Department of Communication Sciences and Disorders, Baton Rouge, LA
8/21/2006-	Assistant Professor, LSU Department of Communication Sciences and Disorders, Baton Rouge, LA.
8/21/2006-	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.

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#### CERTIFICATION/LICENSURE

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

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#### 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

#### A PROVISIONAL PATENT Applications:

##### Application I:

The Volume Monitor Device (Provisional Application for Patent filled by the LSU in 2010). *Discontinued*

**Application II**

A provisional patent application has been filed for HSCNO-2013-12, "Quick Vibratory Profile for High-Speed Videoendoscopy Recording." The provisional application serial number is 61/725,211. *Discontinued*

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