



CURRICULUM VITAE
Melda Kunduk Ph.D., CCC-SLP
Professor

Louisiana State University
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EDUCATION AND TRAINING

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

GRANTING AND FUNDING ACTIVITY

FUNDED:

- **Student Technology Fee (STF) Award**
PIs: V Walker, M Laland, M Kunduk.
Funding: FY 2019-20, \$12,942.95
- **Universitätsklinikum Erlangen/Germany- Visiting Professorship Program Travel Award**
Research visit to in August 2018 to University Hospital Erlangen, Medical School
Department of Phoniatics and Pediatric Audiology at the Department of
Otorhinolaryngology Head & Neck Surgery
PI: Drs. M. Doellinger and M. Kunduk
Funding: 3/2018, €2610
- **Mary Bird Perkins Cancer Center/ Favre Family Award for Innovation**
Taste, Saliva and Swallowing: Ingredients for Nutritional Success in Head and Neck Cancer
Co-PIs; M. Kunduk, V. Shivers, M. Vansant*, D. Larson*
Funded: 3/21/2018
Award: \$15,000
- **LSU-College of Humanities and Social Sciences Manship Research Funding– P.I**
Investigation of vocal fold vibratory patterns during the initiation and offset of phonation
using high –speed videoendoscopy.
PI: M. Kunduk
Funded: 7/1/2016
Award: \$5000

- **LSUHSC-Department of Otolaryngology-Head and Neck Surgery-Post Doctoral Fellow**
 PI: M. Kunduk
 Funded: 7/1/2015- **Support** (10%)
 Award: \$20,000 per year
- **LSUHSC-Department of Otolaryngology-Head and Neck Surgery-Post Doctoral Fellow PI: PI: M. Kunduk**
 Funded 7/1/2011-6/30/2015
 Award: \$200,000
- **LSU-College of Humanities and Social Sciences Manship Research Funding**
 PI: M. Kunduk
 Use of Objective Parameters from Harmonic Waveform Modeling in High-Speed Videoendoscopy to Differentiate Voice Disorders
 Funded 17/1/2013
 Award: \$8000
- **Louisiana Board of Regents / Experimental Program to Stimulate Competitive Research (EBSCoR)-**
 Towards the Commercialization of a Phonatory Feedback Device for Individuals with Speech Disorders: Second-Generation Prototype Development.
 Co-P.I.
 Funded 7/1/2011-7/1/2012
 Award: \$20,000
- **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 Phonovibrograph,
 PI: M. Kunduk
 Funded 7/1/2010-7/1/2014(no cost extension)
 Award: \$95,295
- **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.
 PI: M. Kunduk
 Funded, 7/1/2011-8/1/2011
 Award: \$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.
 PI: M. Kunduk
 Funded 7/1/2008-7/1/2009
 Award: \$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 Pharyngovibrograms.
 PI: M. Kunduk
 Funded 7/1/2008-7/1/2009
 Award: \$5,000
- **Our Lady of Lake Regional Medical Center-Intern Funding for a LSU-COMD /PhD student**
 PI: M. Kunduk
 Funded 2010-2012, (PhD student: Allison Gish)
 Amount: \$30,000
- **Our Lady of Lake Regional Medical Center-Intern Funding for a LSU-COMD /PhD student**
 PI: M. Kunduk
 Funded: 2007-2012, (PhD student: Aneesha Virani)
 Amount: \$54,000

PENDING:

NIH/R21 Vibratory characteristics of phonation onset and offset in vocal health and disease.

PI: M. Kunduk Co-PI: T. Ikuma
 Requested fund: \$304,636

NOT FUNDED

- **NIH/R01 Determination of the perceptually salient vocal fold oscillation patterns in voice disorders pre and post voice intervention modalities.**
 PIs: M. Kunduk and M. Doellinger
 Funding requested \$2,725,555.00 (*resubmitted in March 2020, not funded*)
- **NIH/R01 Determination of the perceptually salient vocal fold oscillation patterns in voice disorders pre and post voice intervention modalities.**
 PIs: M. Kunduk and M. Doellinger
 Funding requested \$2,725,555.00 (*submitted in June 2019, not funded*)
- **Economic Development Assistantship, 2019-23**
 Formula Development to Improve Maintenance of Oral Nutrition and Swallowing Function in Patients Undergoing Treatment for Head and Neck Cancer
PIs: M. Kunduk, W. Prinyawiwatkul (LSU School of Nutrition and Food Sciences)
 Award: \$100,000 (25,000/year for 4 years)
- **Economic Development Assistantship, 2018-22**
 Formula Development to Improve Maintenance of Oral Nutrition and Swallowing Function in Patients Undergoing Treatment for Head and Neck Cancer

PIs: M. Kunduk, W. Prinyawiwatkul (LSU School of Nutrition and Food Sciences)
Award: \$100,000 (25,000/year for 4 years)

- **NIH Exploratory/Developmental Research Grant Program (Parent R21), February 16, 2014**
Voice initiation and offset periods investigated with high-speed digital imaging: determining their role in assessment of vocal function
PI: M. Kunduk
Requested: \$401,816
- **American Speech and Hearing Association 2014 Clinical Research Grant. April 23, 2014.**
Does an intensive swallowing exercise regimen starting prior to organ-preservation therapies for head and neck cancers improve swallowing function?
PI: M. Kunduk
Requested: \$72,954.
- **Pennington Pilot Imaging Grant Program.**
Use of High-Speed Digital Imaging in Investigating Factors Causing Change in Vocal Health Due to Aging
PI: M. Kunduk
Period: 7/2013-7//2014
Requested: \$59,950
- **Board of Regents Support Fund: Traditional and Undergraduate Enhancement Grant-P.I.**
Digital Videostroboscopy: Teaching, Training and Research
PI: M. Kunduk
Highly recommended for funding but funds were not available.
Period: 2012-13
Requested: \$51,925
- **Board of Regents Support Fund: Traditional and Undergraduate Enhancement Grant-P.I.**
Digital Videostroboscopy: Teaching, Training and Research.
PI: M. Kunduk
Highly recommended for funding but funds were not available.
Period: 2009-10(\$51,925)
Requested: \$51,925
- **NIH-NIDCD, RO3-P.I.**
Quantifying effects of age and gender on vocal fold vibration by using high-speed digital imaging and Phonovibrogram
PI: M. Kunduk
Period: Submitted June 26, 2009
Requested: \$225,000

- **Louisiana Board of Regents Research Competitiveness Support Grant – P.I.**
Improving the Diagnosis and Treatment of Voice Disorders via Engineering Synthesis and Analysis
PI: M. Kunduk
Period: 2007-2008
Requested: \$101,756

- **Board of Regents Support Fund: Traditional and Undergraduate Enhancement Grant-P.I.**
PI: M. Kunduk
Period: 2006-2007
Requested: \$47,820

PEER REVIEWED ARTICLES – PUBLISHED, IN PRESS

(* indicates student (MA, Ph.D. Postdoctoral fellow 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 Phoniatics 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.
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.
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^R Tracheostomy Tube with a fully inflated cuff' *Respiratory Care*, 2010 December; 55(12): 1661-1670.
11. 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.
12. 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.
13. **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.
14. 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.
15. Döllinger M, **Kunduk M**, Kaltenbacher M, Vondenhoff S, Ziethe A, Eysholdt U, Bohr C. Analysis of vocal fold function from acoustic data simultaneously recorded with high-speed endoscopy. *J Voice*. 2012 Nov; 26(6):726-33. doi: 10.1016/j.jvoice.2012.02.001. Epub 2012 May 25.
16. Ikuma T.,* **Kunduk M.**, McWhorter JA. Advanced Waveform Decomposition for High-Speed Videoendoscopy Analysis. *J Voice*. 2013 May; 27(3):369-75
17. Ikuma T*, **Kunduk M.**, McWhorter AJ. Preprocessing Techniques for High-Speed Videoendoscopy Analysis. *J Voice*. 2013 Jul; 27(4):500-5.
18. Ikuma T*, **Kunduk M.**, McWhorter AJ. Objective Quantification of Pre- and Post phonosurgery 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.
19. 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.
20. 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.
21. Tran C, Fink D., **Kunduk M.**, McWhorter AJ. Minimally Invasive Management of Tracheo-Esophageal Fistula with Montgomery T-Tube. *Laryngoscope*. 2015; 125 (8):1911-4.
22. Fink DS., Peña S., Hanby D., **Kunduk M.**, McWhorter AJ. Repair of Pharyngocutaneous Fistula After Total Laryngectomy: A Novel Endoscopic Approach. *Head Neck*. 2015 July; 37(7) E81–E84
23. Ikuma T*, **Kunduk M.**, Fink D., McWhorter AJ. A Spatiotemporal Approach to the Objective Analysis of Initiation and Termination of Vocal-fold Oscillation With High-speed Videoendoscopy. *J Voice*. November 2016, 30(6):756.e21–756.e30
24. Fink DS., Sibley H., **Kunduk M.**, Schexnaildre M., Sutton C., McWhorter AJ. Subjective and Objective Voice Outcomes After Trans-Oral Laser Microsurgery for Early Glottic Cancer. *Laryngoscope*. 2016 February, 126(2): 405–407

25. Fink DS., Sibley H., **Kunduk M.**, Schexnauldre M., Sutton C., Kakade A., McWhorter AJ. Functional Outcomes After Salvage Transoral Laser Microsurgery for Laryngeal Squamous Cell Carcinoma. *Otolaryngology-Head and Neck Surgery*, 2016, 255(40):606-611
26. Noel D., Fink DS, **Kunduk M.**, Schexnauldre MA., DiLeo M., McWhorter AJ. Secondary Tracheoesophageal Puncture using Transnasal Esophagoscopy in Gastric Pull-Up Reconstruction Following Total Laryngopharyngoesophagectomy. *Head Neck*. 2016 Mar; 38(3):E61-3. doi: 10.1002/hed.24154.
27. Hernandez S., Sibley H., Fink D., **Kunduk M.**, Schexnauldre M., Kakade A., McWhorter A. Injection Laryngoplasty Using Micronized Acellular Dermis for Vocal Fold Paralysis: Long Term Voice Outcomes. *Otolaryngology Head and Neck Surgery* 2016, Vol. 154(5) 892–897
28. Ikuma T*., **Kunduk M.**, Fink D., McWhorter AJ. Synthetic Multi-Line Kymographic Analysis: A Spatiotemporal Data Reduction Technique for High-Speed Videoendoscopy, *J Acoust Soc Am*. 2016 Oct; 140(4):2703.
29. **Kunduk M.**, Fink SD., McWhorter AJ. Primary Muscle Tension Dysphonia. *Current Otorhinolaryngology Reports*. Current Otorhinolaryngology Reports, September 2016, Volume 4, Issue 3, pp 175–182.Review
30. Vansant M*., **Kunduk M.**, McWhorter AJ. A Review of Postsurgical Dysphagia in Nonmalignant Disease. *Current Opinion in Otolaryngology and Head& Neck Surgery*: December 2016, 24(6):477–482. Review
31. Schützenberger A*., **Kunduk M.**, Döllinger Mi., Alexiou C., Dubrovskiy D., Semmler M., SegerA., Bohr C. Laryngeal High-Speed Videoendoscopy: Sensitivity of Objective Parameters Towards Recording Frame Rate. *BioMed Research International*, 2016, Article ID 4575437, 19 pages. <http://dx.doi.org/10.1155/2016/4575437>
32. **Kunduk M.**, Ikuma T*., Blouin D., McWhorter AJ. Effects of Volume, Pitch, and Phonation Type on Oscillation Initiation and Termination Phases Investigated with High-Speed Videoendoscopy, *J Voice*, 2017 May; 31(3):313-322. doi: 10.1016/j.jvoice.2016.08.016. Epub 2016 Sep 23.
33. **Kunduk M.**, Vansant M*., Ikuma T*., McWhorter AJ. The Effects of the Menstrual Cycle on Vibratory Characteristics of the Vocal Folds Investigated with High Speed Digital Imaging. *J Voice*, 2017 Mar; 31(2):182-187. doi: 10.1016/j.jvoice.2016.08.001. Epub 2016 Sep 7.
34. Parker AL*., **Kunduk M.**, Fink D., McWhorter A. Reliability of High-speed Videoendoscopic Ratings of Essential Voice Tremor and Adductor Spasmodic Dysphonia. *J Voice*. 2017 Dec 12. pii: S0892-1997(17)30364-8. doi: 10.1016/j.jvoice.2017.10.009. [Epub ahead of print].
35. Samlan, R.A., **Kunduk, M.**, Ikuma, T., Black, M., & Lane, C. (June 21, 2018, Epub ahead of print). Vocal fold vibration in older adults with and without Age-Related Dysphonia. *American Journal of Speech-Language Pathology*. doi:10.1044/2018_AJSLP-17-0061.
36. Schlegel, P., Stingl, M., **Kunduk, M.**, Kniesburges, S., Bohr, C., Doellinger, M. Dependencies and ill-designed parameters within high-speed videoendoscopy and acoustic signal analysis. *J Voice*. 2018 May 31. pii: S0892-1997(18)30016-X. doi: 10.1016/j.jvoice.2018.04.011. [Epub ahead of print].

37. Schlegel P., Semmler M., **Kunduk M.**, Döllinger M., Bohr C., Schützenberger A. Influence of Analyzed Sequence Length on Parameters in Laryngeal High-Speed Videoendoscopy. *Appl. Sci.* 2018, 8, 2666; doi:10.3390/app8122666.
38. Schlegel P., **Kunduk M.**, Stingl M., Semmler M., Doellinger M., Bohr C., Schützenberger A. Influence of spatial camera resolution in high-speed videoendoscopy on laryngeal parameters. *PLoS ONE*, 2019. 14(4): e0215168. <https://doi.org/10.1371/journal.pone.0215168>
39. Parker LA*, **Kunduk M.**, Blouin D., Adkins L., McWhorter AJ. Voice Outcomes Following Multiple Surgeries for Recurrent Respiratory Papillomatosis. *J Voice*. 2019 Feb 20. pii: S0892-1997(18)30552-6. doi: 10.1016/j.jvoice.2019.02.004. [Epub ahead of print]
40. Vansant M*, Parker L., Blouin D., McWhorter AJ., **Kunduk M.** Predicting Swallowing Outcomes from Objective Videofluoroscopic Timing and Displacement Measures in Head and Neck Cancer Patients. *Dysphagia*. *Accepted for publication*.
41. Schlegel P., Kist A., Semmler M., Döllinger M., **Kunduk M.**, Dürr S., Schützenberger A. Determination of clinical parameters sensitive to functional voice disorders applying boosted decision stumps” accepted for publication in *IEEE Journal of Translational Engineering in Health and Medicine*.
42. Gomez P., Kist AM., Schlegel P., Berry DA., Kniesburges., **Kunduk M.**, Maryn Y., Schützenberger A., Verguts M., Doellinger M. BAGLS, a multihospital Benchmark for Automatic Glottis Segmentation. *Accepted in Scientific Data*<https://doi.org/10.1038/s41597-020-0526> www.nature.com/scientificdata
43. Crosby T., McWhorter A., McDaniel L., **Kunduk M.**, Adkins L. Predicting Need for Surgery in Recurrent Laryngotracheal Stenosis Using Changes in Spirometry. Accepted for publication in *Laryngoscope*.
44. Schlegel P., Kist AM., Schützenberger A., **Kunduk M.**, Dürr S., Döllinger M. Interdependencies between acoustic and high-speed videoendoscopy parameters. Accepted for publication in *PLOS ONE*.

In Conference Proceedings:

1. 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.
2. Ikuma T*, **Kunduk M.**, McWhorter AJ. Harmonics-to-Noise Ratios in Acoustic and Glottal Area Waveforms: A Study of Breathly Vocal Quality. In *Proceedings of the 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
3. Ikuma T*, **Kunduk M.**, McWhorter AJ. Effects of Frame Rates and Modeling Window Size in Objective Analysis of High-Speed Videoendoscopy Using Harmonic Models. In *Proceedings of the 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
4. Ikuma T*, **Kunduk M.**, McWhorter AJ. Bridging Between Glottal Area and Glottal Width Waveforms via Haar Wavelet Transform. In *Proceedings of the 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*

5. **Kunduk M.**, Chen J*, McWhorter AJ., Gunturk B. Effects of Pitch, Loudness and Phonation Types on Voice Initiation and Offset Investigated with High-Speed Videoendoscopy. In *Proceedings of the 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio*
6. **Kunduk M.**, Ikuma T., Fink D., McWhorter AJ. Center of Vocal Fold Vibration During Initiation and Termination Phases. The International Conference on Vocal Fold Physiology and Biomechanics (ICVPB) March 14-17 2016, Vina Del Mar, Chile.
7. Parker L*, **Kunduk M.**, Fink D., McWhorter AJ. Reliability of Subjective High Speed Videoendoscopic Parameters in Differentiating Essential Voice Tremor & Adductor Spasmodic Dysphonia. ASHA Annual Convention, November 12-14, 2015. Denver, Colorado.
8. **Kunduk M.**, Ikuma T., Fink D., McWhorter AJ. Center of Vocal Fold Vibration During Initiation and Termination Phases. The International Conference on Vocal Fold Physiology and Biomechanics (ICVPB) March 14-17 2016, Vina Del Mar, Chile.

BOOK CHAPTERS:

1. **Kunduk M.**, Topbas S. Voice Stimulability, Submitted to be translated into Turkish to be published in Turkish Laryngology textbook. *Submitted*. January 2020.
2. **Kunduk M.**, Topbas S. Modified Barium Swallow Assessment. Submitted to be translated into Turkish to be published in Turkish Laryngology textbook. *Submitted* September 2019.
3. Samlan R., **Kunduk M.** Visual Documentation of Larynx, Chapter 57. Cummings/ Otolaryngology Head and Neck Surgery, Seventh Edition, 2020. (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. *Submitted*
4. Adkins L., **Kunduk M.**, McWhorter JA. Neurologically Impaired Larynx, Chapter 53 in Laryngology-A Case-Based Approach 2020. (Eds) Jacqueline Allen, MD, Reza Nouraei, MD, Guri Sandhi, MD. Plural Publishing Inc.
5. **Kunduk M.**, McWhorter AJ. Tracheo-Esophageal Puncture Chapter 96, in Total Otolaryngology, 2015. (Eds) Anthony P. Sclafani. Thieme Publishers. New York, NY.
6. 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,
7. 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
8. 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.
9. 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.

10. 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, chapter 22. 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.** Case Presentations. Pre-Conference for Speech Pathologists at Fall Voice Conference, October 16, 2019 in Dallas, Texas.
2. Amin A., Howell R., Bonilha H., **Kunduk M.** Moderator: Julie Barkmeier-Kraemer. Bolus and Globus with the Experts Fall Voice Conference, October 17-19, 2019 Dallas, Texas.
3. Vansant MB*., Parker LA*., McWhorter A., Blouin D., **Kunduk M.** Predicting PAS and FOIS Outcomes from objective Videofluoroscopic Timing and Displacement Measures in Head/Neck Cancer. ASHA Annual Convention, November 9-11, 2017. Los Angeles, CA.
4. **Kunduk M.**, Ikuma T*., Fink D., McWhorter JA. Center of Vocal Fold Vibration During Initiation and Termination Phases. The International Conference on Vocal Fold Physiology and Biomechanics (ICVPB) March 14-17 2016, Vina Del Mar, Chile.
5. Parker L*., **Kunduk M.**, Fink D., McWhorter AJ. Reliability of Subjective High Speed Videoendoscopic Parameters in Differentiating Essential Voice Tremor & Adductor Spasmodic Dysphonia. ASHA Annual Convention, November 12-14, 2015. Denver, Colorado.
6. Ikuma T*., **Kunduk M.**, Fink D., McWhorter JA. Objective Quantification of Dynamic Medial Supraglottic Constriction with Laryngeal Imaging. The 11th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research, 8-9 April, 2015, London, England.
7. Ikuma T*., **Kunduk M.**, Fink D., McWhorter JA. Identification of the Boundaries between Transient and Steady-State Vocal Fold Vibration via Glottal Pulse Amplitude, Frequency, and Shape Profiles with High-Speed Videoendoscopy. The 11th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research, 8-9 April, 2015, London, England.
8. Hernandez SC, Sibley H, Fink DS, **Kunduk M.**, Schexnaildre M, McWhorter AJ. Micronized Alloderm in Vocal Fold Paralysis: One-year results. American Academy of Otolaryngology – Head and Neck Surgery 2015 Annual Meeting & OTO Expo.
9. Sibley H, Fink DS, **Kunduk M.**, Schexnaildre M, Sutton C, McWhorter AJ. Voice Outcomes after Salvage Trans-Oral Laser Microsurgery for Recurrent Laryngeal Cancer. American Academy of Otolaryngology – Head and Neck Surgery 2015 Annual Meeting & OTO Expo.

10. **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*.
11. Fink DS, Sibley H, **Kunduk M**, Schexnauldre M, Sutton C, McWhorter AJ. Voice Outcomes after Trans-Oral Laser Microsurgery for Early Glottic Cancer. The 2014 Fall Voice Conference.
12. Ikuma T*, **Kunduk M.**, McWhorter JA. Harmonics-to-Noise Ratios in Acoustic and Glottal Area Waveforms: A Study of Breathly Vocal Quality. 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
13. Ikuma T*, **Kunduk M.**, McWhorter JA. Bridging Between Glottal Area and Glottal Width Waveforms via Haar Wavelet Transform. 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
14. **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
15. 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
16. Ikuma T*, **Kunduk M.**, McWhorter AJ. 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.
17. Ikuma T*, **Kunduk M.**, McWhorter AJ. A laryngeal waveform model to describe vibratory characteristics in benign lesions of vocal folds obtained with high-speed videoendoscopy. 41st Annual Symposium: Care of Professional Voice, Philadelphia, May30-June 1-5, 2012.
18. Ikuma T*, **Kunduk M.**, McWhorter AJ. Quick Vibratory Profile of High-Speed Videoendoscopy (HSV) Data and Its Applications. 41st Annual Symposium: Care of Professional Voice, Philadelphia, May 30-June 1-5, 2012.
19. **Kunduk M.**, Chen J*., McWhorter AJ., Gunturk B. Investigation of Voice Offset Characteristics in Young Females with High-Speed Digital Imaging. 41st Annual Symposium: Care of Professional Voice, Philadelphia, May30-June 1-5, 2012.
20. Luegmair G*, **Kunduk M.**, Deliyski D., Doellhinger 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.
21. **Kunduk M.**, Chen J*., McWhorter AJ., Li B., Guntur B. Investigation of Voice Initiation Characteristics in Young Females with High-Speed Digital Imaging. 9thInternational Conference on Advances in Quantitative Laryngology, Voice and Speech Research, September 10-11, 2010 Erlangen, Germany.
22. 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.

23. **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.
24. 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.
25. 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.
26. **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.
27. **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.
28. 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
29. **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.
30. **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.
31. 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.
32. 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.
33. **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.
34. **Kunduk M.** Muscle Tension Dysphonia and its Treatment. Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.
35. **Kunduk M.** New Imaging Techniques of Vocal Fold Vibrations Louisiana Speech and Hearing Association Convention. New Orleans, June 10-11, 2005.
36. **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.

37. **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:

1. Crosby T, McWhorter A, McDaniel L, **Kunduk M**, Adkins L. Predicting need for operative intervention in recurrent laryngotracheal stenosis and using interoperative changes in spirometric measures. Poster Presentation. 2020 American Broncho-Esophagological Association at Combined Otolaryngology Spring Meeting. *Virtual presentation*. June 2020
2. Vansant M., McWhorter JA., **Kunduk M**. Impact of Adherence to Exercise Volume on Swallowing Outcomes Following Radiation for Head/Neck Cancer. Accepted as poster. ASHA 2020 *Conference cancelled due to COVID 19*
3. Larsen D., Olejniczak M., Adkins L., McWhorter AJ., **Kunduk M**. Voice Outcomes following False Vocal Fold Botulinum Toxin Injections for Adductor Spasmodic Dysphonia. Technical Research (20 minutes presentation and 10 minutes question and answer). ASHA 2020, *Conference cancelled due to COVID 19*
4. Vansant M., McWhorter AJ., **Kunduk M**. The Impact of Xerostomia on Diet Level and Feeding Tube Use Immediately Following Radiation Therapy for Head and Neck Cancer. AHNS 10th International Conference on Head and Neck Cancer, July 2020, Chicago IL. *Conference cancelled due to COVID 19*
5. Larson D., Vansant M., Shivers V., McWhorter AJ., Blouin D., **Kunduk M**. The Relationship of Salivary Characteristics & Taste during Radiation for Head & Neck Cancer. November 21-23, 2019 Orlando FL.
6. Vansant MB., McWhorter AJ., **Kunduk M**. The Impact of SLP-Patient Visit Frequency on Weight and Feeding Tube Use Immediately Following Radiation Therapy for Head and Neck Cancer. Combined Otolaryngology Spring Meetings, May 1-5, 2019 Austin, TX
7. **Kunduk M.**, Parker LA*., Mignerone MR., McWhorter AJ. Multiple Surgeries and Voice Quality in Recurrent Respiratory Papillomatosis. Fall Voice Conference, October 24-27, 2018, Seattle WA
8. **Kunduk M.**, Parker LA*., Mignerone MR., McWhorter AJ. Multiple Surgeries and Voice Quality in Recurrent Respiratory Papillomatosis. European Laryngological Society Meeting, May 16-19, 2018, London/England Parker LA*., Vansant MB*., McWhorter A., Blouin D., **Kunduk M**. Reliability of Videofluoroscopic Objective Timing and Displacement Measures for Head and Neck Cancer Patients. ASHA Annual Convention, November 9-11, 2017 Los Angeles, CA.
9. Ikuma T*., **Kunduk M.**, Fink D., McWhorter JA. Synthetic Multi-Line Kymographic Analysis of High-Speed Videoendoscopy Feature Data. The International Conference on Vocal Fold Physiology and Biomechanics (ICVPB) March 14-17 2016, Vina Del Mar, Chile.
10. **Kunduk M.**, Ikuma T*., Fink D., McWhorter JA. Effects of Volume, Pitch and Phonation Type on Oscillation Initiation and Termination Phases. The International

Conference on Vocal Fold Physiology and Biomechanics (ICVPB) March 14-17 2016, Vina Del Mar, Chile.

11. Terry B, Fink D, **Kunduk M**, McWhorter A. Endoscopic Management of Combined Laryngoceles: Case series and review of the literature. Poster presented at 2014 American Laryngological Association Spring Meeting
12. 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.
13. 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.
14. 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.
15. 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.
16. Ikuma T*, **Kunduk M.**, McWhorter AJ. Effects of frame rates and modeling window size in objective analysis of high-speed videoendoscopy using harmonic models. the 10th International Advanced Quantitative Laryngology, Voice and Speech Research, June 2-5, 2013 Cincinnati, Ohio
17. 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.
18. 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. 41st Annual Symposium: Care of Professional Voice, Philadelphia, May 30-June 1-5, 2012.
19. **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.
20. 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.
21. 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.
22. 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.
23. 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*

24. 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.
25. Yan Y., Delmrose J., **Kunduk M.** Laryngeal Imaging and Analysis of the Glottal Waveform. AAO-HNSF September 17-20, 2006 Toronto, Ontario, Canada.
26. **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 11-13, 2001.
27. **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.** Assessment of Swallowing Function in head and Neck Cancer Population. 10th National Congress of Speech and Language Therapists Association, April 28-May 1, 2019, Istanbul Medipol University, Turkey
2. **Kunduk M.** Tracheosophageal Puncture Speech in Total Laryngectomy Patients. 10th National Congress of Speech and Language Therapists Association, April 28-May 1, 2019, Istanbul Medipol University, Turkey
3. **Kunduk M.** Assessment of Swallowing Function: Screening for Dysphagia, Clinical and Instrumental Evaluations 9th National Congress of Speech and Language Therapists Association, May 11-14, 2017, Istanbul Medipol University, Turkey
4. **Kunduk M.** Cultural Differences Between EU and US on the Assessment & Treatment of Dysphagia. 9th National Congress of Speech and Language Therapists Association” May 11-14, 2017, Istanbul Medipol University, Turkey
5. **Kunduk M.** Videostroboscopy Workshop. 9th National Congress of Speech and Language Therapists Association” May 11-14, 2017, Istanbul Medipol University, Turkey
6. **Kunduk M.** Fiberoptic Endoscopic Evaluation of Swallowing (FEES) Workshop. 9th National Congress of Speech and Language Therapists Association” May 11-14, 2017, Istanbul Medipol University, Turkey
7. **Kunduk M.** Assessment and Treatment of Voice Disorders. Mississippi Speech and Hearing Association, March 31, 2015, Jackson MS.
8. **Kunduk M.** The Advanced Topics in Surgical Voice Restoration: Re-Evaluation Voice & Swallowing in an Era of Organ Preservation. InHealth August 8-9, 2015 Los Angeles CA.
9. **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.
10. **Kunduk M.** Dysphagia Treatment Strategies, June 6, 2014 Louisiana Speech Hearing and Language Association (LSHA), Lafayette, LA
11. **Kunduk M.** High –Speed Digital Imaging and its Clinical Application, October 8, 2013, Department of Phoniatrics and Pediatric Audiology, University of Erlangen, Germany.

12. **Kunduk M.** Clinical Application of High-speed Digital Imaging. Salt Lake City, UT. Phonosurgery Symposium, July 18-19, 2013.
13. **Kunduk M.** Evidence Based Treatment in Swallowing Disorders. 6th Turkish National Speech and Language Association Conference. Izmit, Turkey May 2-5, 2013
14. **Kunduk M.** Rehabilitation After Total Laryngectomy. 6th Turkish National Speech and Language Association Conference. Izmit, Turkey, May 2-5, 2013
15. **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
16. **Kunduk M.** Seminar on Assessment and Treatment of Dysphagia, January 12-14, 2012, Anadolu University, DILKOM, Eskisehir, Turkey
17. **Kunduk M.** Dysphagia Treatment Techniques and Their Efficacy. 15th Annual LBESPA CE Workshop, April 16, 2011, Baton Rouge.
18. McWhorter A., **Kunduk M.**, Schexnaildre M. Assessment and Treatment of Benign Lesions of Vocal Folds. Baton Rouge Area Speech-Language Pathology, March 19, 2011.
19. **Kunduk M.** Dysphagia. Ankara University, Faculty of Medicine, Department of Otolaryngology- Head and Neck Surgery. Ankara, Turkey, May 22, 2010.
20. **Kunduk M.** Dysphagia in Head and Neck Cancer. ENT Society of Eskisehir May 19, 2010.
21. **Kunduk M.** Seminar on Dysphagia. May 17-19, 2010. Dilkom, Anadolu University/Eskisehir, Turkey.
22. **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.
23. **Kunduk M.** Voice Disorders. 5th National Speech and Language Association Conference, Kusadasi-Izmir Turkey, April 30-May 2, 2009.
24. **Kunduk M.** Dysphagia. 5th National Speech and Language Association Conference, Kusadasi-Izmir, Turkey, April 30-May 2, 2009.
25. **Kunduk M.** Voice Disorders and Their Treatment. Workshop in Anadolu University/Eskisehir –Turkey. December 22-24, 2008.
26. **Kunduk M.** Dysphagia Treatment Techniques and Their Efficacy. 12th Annual LBESPA CE Workshop, April 19, 2008, Baton Rouge.
27. **Kunduk M.** Dysphagia, its Assessment and Treatment. Workshop in Anadolu University/Eskisehir-Turkey. December 26-29. 2007.
28. **Kunduk M.** Spasmodic Dysphonia/MTD. National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.
29. **Kunduk M.** Special Cases in Dysphagia. National Speech and Language Association Conference, Istanbul. Turkey May 2-5, 2007.
30. **Kunduk M.** Voice Disorders and Treatment. Workshop in Anadolu University/Eskisehir –Turkey. December 25-29. 2006.
31. **Kunduk M.**, Carroll L., Eysholdt U., Behlau M. Voice Laboratory Panel. World Voice Conference, Istanbul, Turkey June 19-22, 2006.
32. McWhorter A., **Kunduk M.**, Schexnaildre M. Treatment of Voice Disorders. Baton Rouge Area Speech-Language Pathology, February 4, 2006.

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) 2012.
- Participant award, 2nd American Speech and Hearing Association-2nd Annual Clinical Practice Research Institute, 2010.
- ABEA 3rd 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.**
- LSU Faculty Research Travel Award, 2007, 2008, 2013, 2015, 2016, 2018

TEACHING AND MENTORING

Graduate Courses

COMD 7383 Cleft Plate

COMD 7783 Dysphagia

COMD 7382 Voice Disorders

COMD 7780 Seminar (Voice/Swallowing disorders)

COMD 7153 RESEARCH DESIGN

1.2.1.2 Teaching history

Graduate courses:

COMD 7382 Voice Disorders

COMD 7783 Dysphagia

COMD 7780 Seminar in voice and Dysphagia

COMD 7383 Cleft palate

COMD 7153 Research Design

Graduate Students:

Major Professor:

Master thesis (COMD 8000) Spring semester 2007 (AB)

Master thesis (COMD 8000) Spring semester 2008) (BD)
Master thesis (COMD 8000) Spring semester 2009 (RL)
Master thesis (COMD 8000) Spring semester 2010 (AG)
Master thesis (COMD 8000) spring semester 2013 (SH)
Master thesis (COMD 8000) spring semester 2013 (AP)
Master thesis (COMD 8000) spring semester 2015 (LP)
Master thesis (COMD 8000) spring semester 2021 expected graduation (AB)

Committee Member:

Master thesis, Ts (COMD), 2007
Master thesis, LCL (COMD), 2008
Master thesis, TMR (COMD), 2007
Master thesis, RS (Department of Mechanical Engineering) 2010
Master thesis, SRT (LSU – Mechanical and Industrial Engineering) August 2015
Master thesis, MT (LSU – Mechanical and Industrial Engineering) May 2015

Dissertation Committee:

Major Professor

DL 2017 (expected graduation: May 2022)
LP 2015 (expected graduation: May 2022)
MV 2014-19 (COMD)
AG 2010-12(discontinued)
AV. 2007- 2012 (COMD)

Co-chair:

JC (Committee member, 2010- 2014) (Department of Electrical and Computer Engineering)

Committee Member:

ZW. 2009-2012 (Department of Mechanical Engineering)
JJ. 2007- 2012 (COMD)
AR 2009-2015 (COMD)

Post-Doctoral Fellow

Takeshi Ikuma (Electrical Engineer with expertise in Digital Signal Processing, 2011-2015 (100%), 2015- 2020c(10%)

Local Instructional Activities (Lecturer):

1. **Kunduk M.** Differential Diagnosis of Dysphagia. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 2020. OLOL Voice Center. Baton Rouge
2. **Kunduk M.** Current Status of swallowing rehabilitation in HNC. LSUHSC- Department of Otolaryngology-Head and Neck Surgery, Didactic Day Presentations, September 3, 2019. Baton Rouge
3. **Kunduk M.** Flexible Endoscopic Evaluation of swallowing. LSUHSC-Department of Otolaryngology-Head and Neck Surgery, Didactic Day Presentations, September 3, 2019. Baton Rouge

4. **Kunduk M.** Differential Diagnosis of Dysphagia. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August, 2019. OLOL Voice Center. Baton Rouge
5. **Kunduk M.** Differential Diagnosis of Dysphagia. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 2018. OLOL Voice Center. Baton Rouge
6. **Kunduk M.** FEES vs MBS. LSUHSC-Otolaryngology- Head and Neck Surgery, Didactic Day, November 7, 2017.
7. **Kunduk M.** Differential Diagnosis of Dysphagia. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 23, 2017. OLOL Voice Center. Baton Rouge
8. **Kunduk M.** Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 23, 2016. OLOL Voice Center. Baton Rouge
9. **Kunduk M.** Videostroboscopy. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 12, 2015. OLOL Voice Center. Baton Rouge
10. **Kunduk M.** Differential Diagnosis of Dysphagia. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 12, 2015. OLOL Voice Center. Baton Rouge
11. **Kunduk M.** Modified Barium Swallow (MBS). LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, December 8, 2015. MBPCC, Baton Rouge.
12. **Kunduk M.** Videostroboscopy. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 24, 2014.
13. **Kunduk M.** Assessment of Dysphagia. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, August 3, 2014.
14. **Kunduk M.** McWhorter A., Schexnaildre M Deep South Conference, Baton Rouge. Dysphagia and its Treatment in Head and Neck Cancer Patients, April 27, 2012.
15. Loehn B*., **Kunduk M.**, McWhorter AJ. Diagnosis and Treatment of Spasmodic Dysphonia. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, April 5, 2011.
16. **Kunduk M.** Videostroboscopy. Otolaryngology- Head and Neck Surgery, Resident Training Lecture Series, August 24, 2010.
17. **Kunduk M.** Assessment of Dysphagia. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, August 3, 2010.
18. **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, Resident Training, December 2009.
19. **Kunduk M.** Principles of Voice Therapy: Voice Anatomy, Physiology, and Clinical Evaluation, LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, September 1, 2009.
20. **Kunduk M.** Voice Therapy: Voice for treatment of Common Voice Disorders, LSUHSC- Otolaryngology- Head and Neck Surgery, Resident Training Didactic Day, September 1, 2009.
21. **Kunduk M.** Videostroboscopy. LSUHSC- Otolaryngology- Head and Neck Surgery, Resident training lecture series, September 8, 2009.

22. **Kunduk M.** Videostroboscopy. University Medical Center, Lafayette, November 17, 2008.
 23. **Kunduk M.** Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, Resident training lecture series November /11/2008.
 24. **Kunduk M.** Dysphagia following skull base surgery, April 20, 2008 LSUHSC- Otolaryngology –Head and Neck Surgery, Ground Rounds Lecture.
 25. **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
 26. **Kunduk M.** Videostroboscopy. LSUHSC-Otolaryngology- Head and Neck Surgery, 9/11/2007.
 27. **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. Tenure and Promotion Committee member: (Promotion to Full Prof: ND; Associate prof: TG, GC, ND and YK; 3 year review: EH,HC, SD, DH, GC, TG)
2. COMD Program Outcome Chair (2018-)
3. COMD Faculty Search Committee Member, (2017 –)
4. COMD Curriculum Committee member (2018-)
5. COMD Curriculum Committee chair (2015-2018)
6. COMD Faculty Search Committee Member, (2017 –)
7. COMD Comps Chair (2015-)
8. COMD Curriculum Committee member(2018-)
9. COMD Curriculum Committee chair (2015-2018)
10. COMD Space Committee member (2014-2015)
11. Getting the funding for the acquisition of KayPENTAX Digital Video Stroboscopy System, Model 9295, June 2013
12. COMD Graduate Student Supervisor for non-traditional students (2011-15)
13. COMD Faculty Search Committee Chair for hiring two new tenure track assistant professors (2011-2013)
14. COMD-Departmental Graduate and Undergraduate Research Travel Award Administrator (2010-)
15. Doctoral Program Committee (2009-10)
16. IRB Representative (June 2007-)
17. COMD Budget Committee (2007-08)
18. COMD Graduate Admissions Committee (2007- 2012)
19. COMD Search committee member for departmental Administrative Assistant (2013).
20. COMD Departmental P&T member, (2012-)
21. COMD Space Committee Member 2014- 2015)

University

1. LSU- Internal Program Review Panel-Department of English, 2019
2. Provisional Application for Patent for the Volume Monitor Device by the LSU.
3. Dean's representative (2006, 2010, 2011, 2012, 2013, 2014, 2016, 2017)
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

- Voice and Upper Airway Disorders committee member for ASHA 2020 in San Diego, November 19-21, 2020 (*cancelled due to COVID-19*)
- Program Chair, Preconference for Speech Pathologists at Fall Voice Conference, October 17-19, 2019 Dallas
- Invited to be a participant in Social Solutions International's project with the National Institutes of Health (NIH)'s Center for Scientific Review (CSR) to review and provide feedback on a sample of grant applications to examine the peer review process, 2018.
- Invited Editorial Board Member for Journal of Speech Language Hearing Research-Speech, 2017-
- Ad Hoc Grant Reviewer, Motor Function, Speech and Rehabilitation Study Section (MFSR), National Institutes of Health (NIH) February, 2017, New Orleans
- Ad Hoc Grant Reviewer, Motor Function, Speech and Rehabilitation Study Section (MFSR), National Institutes of Health (NIH) June, 2016, Washington DC.
- Ad Hoc reviewer for Motor Function, Speech and Rehabilitation Special Emphasis Panel Review Meeting NIH March 11, 2016
- Ad Hoc Grant Reviewer, Motor Function, Speech and Rehabilitation Study Section (MFSR), National Institutes of Health (NIH) June 2015. Washington DC.
- Ad Hoc reviewer for Motor Function, Speech and Rehabilitation Special Emphasis Panel Review Meeting NIH October 21, 2015
- Member of ASHA 2014 Convention Voice, Alaryngeal and Resonance Committee

Service to National Professional Organizations

- One of the 3 judges for Head and Neck Cancer Alliance awards (one Oral (Paper) and one Poster presentation), Dysphagia Research Society Meeting, Chicago, IL, March 11-14, 2015.
- One of the 3 judges for Head and Neck Cancer Alliance awards (one Oral (Paper) and one Poster presentation), Dysphagia Research Society Meeting, Memphis TN, 2014.

Reviewer for Scholarly Journals:

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

Workshop/Seminar Organizations:

1. **Kunduk M.**, Bishop –Leone J. Tracheoesophageal Puncture Workshop for residents at LSHUSC-Department of Otolaryngology-Head and Neck Surgery and SLPs. Presenter: Dr. VanBrekkel, Atos September 12, 2019. OLOL Voice Center, Baton Rouge
2. **Kunduk M.**, Bishop-Leone J (PROVOX). Pulmonary and Voice Institute for the Total Laryngectomy Patients. March 27, 2015. The Our Lady of the Lake Regional Medical Center, Baton Rouge LA.
3. **Kunduk M.** A Unique Tracheostomy Tube System. April 29, 2014, LSU-COMD Baton Rouge LA. **Presenter:** Kim Appel M.A., CCC-SLP
4. **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.
5. **Kunduk M.** Rehabilitation after total laryngectomy Workshop for Speech and language pathologist. May 18, 2013 New Orleans. **Presenter:** Dr. Hilgers
6. **Kunduk M.** A Unique Tracheostomy Tube System. **Presenter** Kim Appel M.A., CCC-SLP. October 17-18, 2012, OLOLRMC, Baton Rouge.
7. **Kunduk M.** A Unique Tracheostomy Tube System. **Presenter** Kim Appel M.A., CCC-SLP. October 17-18, 2012, LSU-COMD, Baton Rouge
8. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, October 7, 2004.
9. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, June 27, 2004.
10. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, April 16, 2005.
11. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New Orleans, March 11, 2005.
12. **Kunduk M.** Tracheoesophageal Voice Restoration. **Presenter:** Dr. Eric Blom. November 4, 2006 Baton Rouge.
13. McWhorter AJ, **Kunduk M.** Transnasal Esophagoscopy Course. New York, November 10, 2007
14. **Kunduk M.** Student and Instructor instrumentation training, **Presenter:** Paul Arcell, KAYPENTAX Representative. October 17-18, 2007, Baton Rouge.
15. **Kunduk M.** KAYPENTAX Product Specialist. Student and Instructor instrumentation training, **Presenter:** Christopher Grose, KAYPENTAX Product Specialist. October, 2009. Baton Rouge.
16. **Kunduk M.** Objective Assessment of Vocal Fold Vibratory Function. **Presenters:** Drs. Michael Doellinger and Daniel Voigt, 2/18/2011, LSU-COMD.

PROFESSIONAL EXPERIENCE/EMPLOYMENT HISTORY

8/16/2019-	Full Professor
8/16/2012-2019	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 Clinical Assistant Professor, LSU/SAHP Department of Communication Disorders, New Orleans, LA.
14/7/1997-8/31/2002 Research Assistant University Hospitals and Clinics-Department of Surgery/Otolaryngology and Head and Neck Surgery, University of Wisconsin-Madison.
1/11/1990-1/7/1997 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

A PROVISIONAL PATENT Applications:

Application I:

The Volume Monitor Device (Provisional Application for Patent filed 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*