

# CURRICULUM VITAE

**PRIYA D. KRISHNA, MD, MS, FACS**

## EDUCATION and TRAINING

Year	Degree and Certification	Institution	Discipline
2009	MS	University of Pittsburgh School of Medicine Clinical Research Training Program	Clinical Research
2006	Fellowship	University of Pittsburgh School of Medicine/ Medical Center	Laryngology Care of the Professional Voice
2004	Residency	Southern Illinois University School of Medicine	Otolaryngology Head/Neck Surgery
6/97-6/98	Internship	Northwestern University School of Medicine/McGaw Medical Center of Northwestern	General Surgery Internship
8/91-5/97	BA/MD (With Distinction)	University of Missouri- Kansas City School of Medicine (6-Year BA/MD)	Biological Life Sciences and Medicine

---

## BOARD CERTIFICATION

2005 American Board of Otolaryngology (recertified in 2014)

---

## ACADEMIC HISTORY

Associate Professor, Department of Otolaryngology Head and Neck Surgery, LLU December 2017  
Assistant Professor, Department of Otolaryngology Head and Neck Surgery, LLU September 2011- Dec 2017  
Assistant Professor (Tenure Track), Department of Otolaryngology Head and Neck Surgery, University of Pittsburgh,  
September 2006-August 2011  
Instructor, Department of Otolaryngology Head and Neck Surgery, University of Pittsburgh, September July 2004-August  
2006

---

## EMPLOYMENT HISTORY

Medical Director, Social Action Committee Health System (SACHS) ENT Clinic, March 2017- current

Co-Director, Loma Linda University Voice and Swallowing Center Jan 2015-current

Director, Loma Linda University Voice and Swallowing Center, July 2013- Jan 2015

Medical Director, Division of Otolaryngology, Loma Linda University Medical Center-Murrieta, Jan 2014-June 2016

Attending Physician, Otolaryngology Head and Neck Surgery, LLUMC September 2011-current

Attending Physician, Otolaryngology Head and Neck Surgery, University of Pittsburgh Medical Center and University of Pittsburgh Physicians Group, September 2006-August 2011

---

## ACADEMIC & ADMINISTRATIVE ACTIVITIES

Loma Linda University Member Clinical Competency Committee, Department of Otolaryngology	2013-current
Loma Linda University Medical Center Alumni Program Conference, Planning Committee, Department of Otolaryngology	2014
University of Pittsburgh School of Medicine Faculty Liaison, Visiting Scholar Committee	2009
Community ENTs (CENTS) Committee	2009-2011
Memorial Medical Center (Springfield, IL) Human Values and Ethics Committee Resident Member (appointed position)	1999-2003

---

## PUBLICATIONS

1. Bomze L and **Krishna P**. Discovery of de novo concurrent vocal fold dysplasia in a nonagenarian man and his octogenarian wife. *Otolaryngology Case Reports* in press
2. Crawley B, Dehom S, Kutzner E, Murry T, **Krishna P** and Hata J. Perception and duration of pain after office-based vocal fold injection augmentation. *Laryngoscope* 2018;128(4):929-934.
3. Thiel C, Yang J, Crawley B, **Krishna P**, and Murry T. Aerodynamic characteristics of syllable and sentence production in normal speakers. *J Voice* 2018; epub ahead of print
4. West J, Kim C, Reichert Z, **Krishna P**, Crawley B and Inman J. Esophagram findings in cervical esophageal stenosis: a case-controlled quantitative analysis. *Laryngoscope* epub ahead of print
5. Yang J, Dehom S, Sanders S, Murry T, **Krishna P** and Crawley BK. Treating laryngopharyngeal reflux: evaluation of an anti-reflux program with comparison to medications. *Am J Otolaryngol* 2017 Oct 31 (epub ahead of print)
6. Ta J, Liu, Y, **Krishna P**. "Medicolegal aspects of iatrogenic dysphonia and recurrent laryngeal nerve injury." *Otolaryngol Head Neck Surg* 2016;154(1):80-6.
7. Rosen CA, Smith LJ, Young V, **Krishna P** and Munin M. Reply: Timing of nimodipine therapy for treatment of vocal fold paralysis. *Muscle Nerve* 2014; 50(6):1027.
8. Rosen CA, Smith LJ, Young V, **Krishna P** and Munin M. "Prospective investigation of nimodipine for acute vocal fold paralysis" *Muscle Nerve* 2014 50(1):114-8.
9. Young VN, **Krishna P**, Rosen CA. "Should antiviral medications be considered preoperatively for microlaryngoscopy in patients with a history of recurrent herpes stomatitis?" *J Voice* 2013; 27 (1):115-8.

10. Young VN, Smith LJ, Sulica L, **Krishna P** and Rosen CA. "Patient tolerance of awake, in-office laryngeal procedures: a multi-institutional perspective." *Laryngoscope* 2012;122(2):315-21.
11. Arffa R, **Krishna P**, Gartner-Schmidt J and Rosen CA. "Normative Values for the Voice Handicap Index-10." *J Voice* 2012;26(4): 462-5.
12. **Krishna P**, Regner M, Palko J, Liu F, Abramowitch S, Jiang JJ and Wells A. "The effects of decorin and HGF-primed fibroblasts *in vitro* and *ex vivo* in a porcine model of vocal fold scarring." *Laryngoscope* 2010;120(11):2247-2257.
13. **Krishna P**, Statham MM and Rosen CA. "Acute glutaraldehyde mucosal injury of the upper aerodigestive tract due to injury of the working channel." *Ann Otol Rhinol Laryngol* 2010;119(3):150-154.
14. Yates C, **Krishna P**, Whaley D, Bodnar R, Turner T and Wells A. Lack of CXC chemokine receptor (CXCR3) leads to hypertrophic and hypercellular scarring. *Am J Pathol* 2010;176:1743-1755.
15. Branski RC, Barbieri SS, Weksler BB, Saltman B, **Krishna P**, Kraus DH, Broadbelt NV, Chen J, Poppas DP, Felsen D. Effects of transforming growth factor- $\beta$  1 on human vocal fold fibroblasts. *Ann Otol Rhinol Laryngol* 2009;188(3):218-226.
16. Jabbour N, **Krishna P**, Osborne J, Rosen CA. A new approach to geometrical measurements in an animal model of vocal fold scar. *J Voice* 2009;23(1):88-94.
17. Yates C, Whaley M, Babu R, Zhang J, **Krishna P**, Beckman E, Pasculle AW, Wells A. The effect of multifunctional polymer-based gels on wound healing in full thickness bacteria-contaminated mouse models. *Biomaterials* 2007;28(27):3977-3986.
18. Bove M, Jabbour N, **Krishna P**, Flaherty K, Saul M, Wunar R, Rosen CA. Operating room versus office-based injection laryngoplasty: a comparative analysis of reimbursement. *Laryngoscope* Feb 2007;117(2):226-30.
19. **Krishna P**, Rosen CA, Branski RC, Wells AH, Hebda PA. "Primed fibroblasts and exogenous decorin: potential treatments for subacute vocal fold scar". *Otolaryngol Head Neck Surg* Dec 2006;135(6):937-45.
20. **Krishna P** and Malone JP. Isolated Adult Supraglottic Stenosis: Surgical treatment and Possible Etiologies. *Am J Otolaryngol*. 2006 Sep-Oct;27(5):355-7
21. **Krishna P** and Rosen CA. "Office-based arytenoid palpation." *Ear Nose Throat J*. Aug 2006; 85(8):520-2.
22. Garcia I, **Krishna P**, Rosen CA. Laryngoscopic clinic: severe laryngeal hyperkeratosis secondary to laryngopharyngeal reflux. *ENT*, July 2006. 85(7):362-3.
23. **Krishna P**, LaPage M, Hughes L, Lin S. "Current Practice Patterns in Tonsillectomy and Perioperative Care." *Int J Pediatr Otorhinolaryngol* Jun 2004; 68(6): 779-84.
24. **Krishna P** and Bauer C. "Hearing loss as the initial presentation of Creutzfeldt-Jakob disease". *Ear Nose Throat J* Aug 2004;83(8):535,538,540.
25. Kalkanis J, **Krishna P**, Espinosa J, Naritoku DK. "Self-inflicted vocal cord paralysis in patients with vagus nerve stimulators." *J Neurosurg* May 2002;96:949-951.
26. **Krishna P**, Kalkanis J, Mody N MD, Konrad HR. "Pathology Quiz Case 2." *Arch Otolaryngol* April 2002; 128(4): 453,455.

27. **Krishna P** and Lee D. "Post-Tonsillectomy Bleeding: A Meta-Analysis." *Laryngoscope* August 2001;111: 1358-1361.
  28. **Krishna P** and Arjmand E. "Pediatric hemorrhagic thyroid nodule." *Int J Pediatr Otorhinolaryngol.* October 1999;40: 73-75.
- 

## ABSTRACT AND POSTER PRESENTATIONS

1. Krishna P. Primary laryngeal amyloid: a mimicker of chronic laryngitis. Poster Fall Voice Conference, Washington DC Oct 12-14, 2017.
2. Thiel, C. Crawley, BK. Yang, J. Krishna, P. Murry, T. Aerodynamic Characteristics of Syllable and Sentence Productions in Normal Speakers. Oral presentation. Annual Symposium, Care of the Professional Voice, Philadelphia, Pa. June 3, 2017
3. Krishna P, Crawley B and Murry T. Prevailing attitudes regarding vocal fold atrophy among laryngologists. COSM -American Laryngological Association poster presentation April 26-27, 2017.
4. Thiel C, Murry T, Crawley B and Krishna P. Assessing dietary advancement for dysphagia patients at risk for aspiration. COSM -American Bronchoesophagological Association poster presentation April 26-27, 2017.
5. Bomze L, Krishna P. Development of de novo concurrent vocal fold dysplasia in a nonagenarian man and his octogenarian wife. COSM - American Laryngological Association poster presentation April 26-27, 2017.
6. Kim CH, West J, Reichert Z, Crawley B, Krishna P and Inman JC. Quantitative analysis of esophagram normatives in cervical esophageal stenosis. COSM-American Bronchoesophagological Association, April 28, 2017. Oral presentation
7. Krishna P, Crawley B, Murry T, Sulica L. Hyperabducted vocal folds: a diagnostic and therapeutic challenge. Fall Voice Conference October 16, 2016 Doubletree Scottsdale Resort, Scottsdale AZ. Oral presentation.
8. Crawley BK, Yang J, Dehom S, Murry T, Krishna P. Successful treatment of recalcitrant laryngopharyngeal symptoms after failure with medication alone. Fall Voice Conference October 14, 2016, Doubletree Scottsdale Resort, Scottsdale, AZ. Oral presentation.
9. Yang S, Murry T, Inman J, Nobriga C, Crawley B and Krishna P. Reliance on MBS Causes Delay in Treatment of Esophageal Stenosis. Poster presentation at American Bronchoesophagological Association, COSM May 18-19, 2016.
10. Crawley B, Krishna P, Murry T, Fisher D. Career Trends of Recent Laryngology Fellowship Graduates. Poster presentation at American Laryngological Association, May 18-19. 2016.
11. Crawley B, Renk E, Hata J, Marquez S, Krishna P, Murry T. Perception of pain and discomfort during office-based laryngology procedures. Poster presentation at American Laryngological Association, May 18-19. 2016.
12. Macias D, Krishna P, Crawley BK, Murry T. Voice profiles in 75 to 95-year-old patients. Poster presentation at American Laryngological Association, May 18-19. 2016.
13. Renk E, Krishna P and Crawley B. Injection Augmentation with Lidocaine-Containing Material. Poster presentation at American Laryngological Association/COSM Boston, MA April 2015.
14. Lerew M, Ogbeide N and Krishna P. "Malignant Fibrous Histiocytoma of the Larynx: A Case Report" Poster presentation at American Laryngological Association/ COSM Orlando, FL April 2013.
15. Wound Healing Society/Society for Advanced Wound Care Annual Meeting, Dallas Tx, April 26-29, 2009 "The effects of decorin and biglycan on the cell motility and gene expression of human vocal fold fibroblasts."
16. Young V, Krishna P, Rosen C. Post-operative herpetic laryngitis: a rare entity. Poster for American Laryngological Association Annual Meeting 2011.
17. Science 2008, University of Pittsburgh, October 2008. "Effects of decorin and biglycan on cell motility and gene expression of the human vocal fold fibroblast."
18. American Laryngological Association, Phoenix, AZ, 2004. "Isolated adult supraglottic stenosis: surgical treatment and possible etiologies."
19. Association for Research in Otolaryngology 23<sup>rd</sup> Midwinter Research Meeting, 2000, "Immunohistochemical localization of adenosine receptors in the rat cochlea."

---

## INVITED LECTURES and PANELS

1. Course Lead Instructor, the RAID talk (Review of Assorted Inflammatory/Infectious Diseases of the Larynx), AAO-HNS Sept 2017 Chicago, IL
2. "Etiology and overview of laryngotracheal stenosis." Review talk. World Phonocon 2017, Gurgaon, New Delhi, India, Feb 17, 2017.
3. "Effective management of subglottic/laryngotracheal stenosis." Review talk. World Phonocon 2017, Gurgaon, New Delhi, India, Feb 18, 2017.
4. "Long Term Outcomes of Vocal Fold Injection Augmentation." Review Talk. World Phonocon 2017, Gurgaon, New Delhi, India, Feb 19, 2017.
5. "Non traditional Uses of Vocal Fold Injection Augmentation." Review Talk. World Phonocon 2017, Gurgaon, New Delhi, India, Feb 19, 2017.
6. Expert Panel, LA Research Study Club Otolaryngology Jan 28, 2017. General topics in laryngology.
7. Invited talk for Southern California Voice Foundation, Jan 8, 2017. "Cultural voice idiosyncracies"
8. "Voice and swallowing disorders in Parkinson's disease." Third Annual Parkinson's Disease Patients and Caregivers Symposium September 18, 2015.
9. "Infectious and Inflammatory Diseases of the Larynx" Invited grand rounds, University of California-Irvine. September 17, 2014.
10. Moderator, laryngology panel, Alumni Day 2011, University of Pittsburgh School of Medicine Department of Otolaryngology April 1, 2011.
11. Invited lecturer for "Basics of Skin Anatomy and Wound Healing." Principles of Wound Healing, Pre-Course to annual Symposium on Advanced Wound Care/Wound Healing Society Joint Meeting, April 16, 2010.
12. "The Effects of Small Leucine Chain Proteoglycan Decorin on Gene and Protein Expression and Cell Motility of the Human Vocal Fold Fibroblast". International Conference on Advances in Laryngeal Biophysiology / International Conference on Voice Physiology and Biomechanics, July 8, 2010, University of Wisconsin-Madison.
13. "Vocal Fold Inflammation and Implications on Laryngeal Wound Repair" McGowan Institute for Regenerative Medicine Seminar Series, University of Pittsburgh, May 18, 2010.
14. "Management of Laryngeal Complications". With Clark Rosen MD, Libby Smith DO. At 2<sup>nd</sup> Annual Advanced Topics in Thyroid/Parathyroid Surgery, March 19-20, 2010.
15. "Anatomy and Physiology of the Larynx." Laser and Phonomicrosurgery Course, University of Pittsburgh, November 6, 2009.
16. "Vocal Fold Scarring." for Voice Therapy: a Comprehensive Approach. May 15, 2009. UPMC Mercy.
17. "Cell and ECM Biology of Vocal Fold Wound Healing and Scarring." (Invited lecture) McGowan Institute of Regenerative Medicine, University of Pittsburgh, May 6, 2008.
18. 2<sup>nd</sup> Shanghai International Voice Conference, Shanghai, China, November 9, 2007. "Vocal Fold Augmentation with Calcium Hydroxylapatite (CaHA) Radiesse™: 12 month results." (15 minutes, laryngologists and speech pathologists, global audience).

---

## MAJOR TEACHING RESPONSIBILITIES

1. Oversight of residents during their clinical rotation in laryngology-9/06-present.
2. Oversight of fellows during their fellowship in both clinical and research activities-9/06-8/11.
3. Attendance at Grand rounds, attendance at multiple guest lectures for CME requirements.
4. Mock oral boards board examiner, Department of Otolaryngology, University of Pittsburgh School of Medicine and Loma Linda University School of Medicine, Department of Otolaryngology as well as Department of Otolaryngology Head and Neck Surgery, Loma Linda University School of Medicine.
5. Preceptor for 2<sup>nd</sup> year clinical experience, University of Pittsburgh School of Medicine-11/10-12/10.
6. Primary mentor for 2 junior residents 11/11-current, Loma Linda University School of Medicine.

---

## RECOGNITION AND AWARDS

1991-1997  
1991  
1991

Promotion with Distinction (Dean's List), UMKC, UMKC-SOM  
Black and Veatch Corporate Scholarship  
Flarschein Scholarship, UMKC

1994	Pathology Achievement Award, UMKC-SOM
1995	McGraw- Hill Book Award for Outstanding Year IV (of VI) Medical Student
1993-1997	Induction into: Phi Kappa Phi National Honor Society Mortar Board National Honor Society Golden Key National Honor Society Omicron Delta Kappa Honor Society
1994	American College of Physicians (ACP) Award for Excellence in Physical Diagnosis State of Missouri Chapter
1995	American College of Physicians (ACP) Award for Excellence in Physical Diagnosis State of Missouri Chapter
1996	ACP Clerkship Award State of Missouri Chapter
1996 (Jr. Year Inductee)	Alpha Omega Alpha Honor Medical Society
1996	Phi Kappa Phi Honorable Mention Fellowship (national chapter)
1997	Commencement Awards: Vice Chancellor for Student Affairs Award Missouri State Honors Graduate St. Louis Friends of UMKC Basic Science Award
2000	Third Place, Resident Research Days, AOA Combined Research Symposium, SIU School of Medicine
2003	Resident Teaching Award, SIU School of Medicine
2000-2004	Multiple Travel Grants/Awards- AAOA, Triologic Society
2004-2005	Earleen Elkins Research Training Award/ Grant (\$15,000) from AAO-HNS CORE committee, for " Fibroblast Transplantation for Vocal Fold Repair."
2006-2008	Triologic Society Career Development Award /Grant (\$40,000)
2009	American College of Surgeons Fellowship Induction
2010	Wound Healing Society, Junior Faculty Travel Award
2010	The Casselberry Award, American Laryngological Association
2016	Honor Award Recipient, American Academy of Otolaryngology -Head and Neck Surgery

---

#### MEMBERSHIPS in PROFESSIONAL ORGANIZATIONS

Alpha Omega Alpha National Medical Honor Society	1996-current
Committee on Residents and Fellows in Training, American Academy of Otolaryngology- Head and Neck Surgery (AAO-HNS)	2000-2001

Resident member of the National Residency Curriculum Subcommittee-AAO/HNS	2001-2002
National Resident Delegate for Section of Residents and Fellows (AAO-HNS) to the Society of University Otolaryngologists	2001- 2002
Illinois State Medical Society Governing Council Resident and Fellow Section Resident Representative to Governmental Affairs Committee	2003-2004
Alternate Delegate for Illinois RFS to Illinois House of Delegates Meeting	April 2004
American Academy of Otolaryngology-Head and Neck Surgery Media and Public Relations Committee	2004-2015
Wound Healing Society Education Committee	2006-2011
Pennsylvania State Medical Society Young Physicians Section Governing Council Member at Large	2008-2011
Alternate Delegate, Pennsylvania Medical Society For Allegheny County	October 2008
Visiting Scholar Committee Faculty Liaison (departmental)	May 2009
American College of Surgeons Fellowship Induction	October 2009
American College of Surgeons Council, Southwestern PA Councilor	2010- 2012 (3 year term)
Laryngology and Bronchoesophagology Education Committee, Home Study Course Section and MOC Section, Co-Chair	2011-2016 2016-2017
Airway and Swallowing Committee, AAO-HNS	2013-current
Item Writing Task Force for LBEC, AAO-HNS	2015-current
Women in Otolaryngology Communications Committee	2016-current
Women in Otolaryngology Leadership and Mentorship Committee	2017-current
Women in Otolaryngology Governing Council, Board of Governors representative	2017-current

---

#### **JOURNAL REVIEWER**

Laryngoscope  
Otolaryngology-Head and Neck Surgery  
Journal of Voice  
Annals of Otology, Rhinology, Laryngology  
Wound Repair and Regeneration

## Head and Neck

I have served as a reviewer intermittently from 2005 onwards for these journals as needed as an invited reviewer in areas in which I have expertise.

---

### EXTRAMURAL GRANTS

<u>Number</u>	<u>Grant Title</u>	<u>Role in Project And Percentage of Effort</u>	<u>Years Inclusive</u>	<u>Source/\$Amount</u>
R01 DC008290	Hybrid model of vocal fold inflammation	Candidate/Co-PI	9/1/08-8/31/10	NIDCD Supplement \$199,603 direct
	Primed Fibroblast And Decorin: Two Novel Treatments for Vocal Fold Scarring	Principal Investigator  50%	2006-2008	Triologic Society \$40,000
	Fibroblast Transplantation For Vocal Fold Repair	Principal Investigator 50%	2004-2005	AAO-HNS CORE \$15,000

---

### BOOK CHAPTERS (includes electronic)

1. **Krishna P.** "Aspiration Pneumonia" In Carrau R, Murry T, Howell R, eds. Comprehensive Management of Swallowing Disorders, 2<sup>nd</sup> edition. In press.
2. **Krishna P.** "Diagnosis and Management of Oropharyngeal Dysphagia." In Otolaryngology Life Long Learning Manual by the American Academy of Otolaryngology-Head and Neck Surgery Foundation. Thieme, 2015.
3. **Krishna P** and Rosen CA. "Office Laryngeal Procedures." In Myers E and Carrau R. Operative Otolaryngology: Head and Neck Surgery. Saunders, 1<sup>st</sup> edition 2008, 2<sup>nd</sup> edition 2016.
4. **Krishna P .** "Non-surgical Management of Voice Disorders". In Rosen C and Simpson CB, Operative Techniques in Laryngology. Springer-Verlag, 1<sup>st</sup> edition 2008, 2<sup>nd</sup> edition 2017.
5. **Krishna P** and Rosen CA. "Management of Vocal Fold Paralysis." Chapter in Pearson's Thoracic and Esophageal Surgery, 3<sup>rd</sup> ed. Patterson GA, et al, eds., Elsevier, 2008, 4<sup>th</sup> edition 2017.
6. Bove M, **Krishna P**, Lebovics R, Neel III, B., Rosen CA. "Infectious and Inflammatory Diseases" Chapter 44 in The Larynx Third Edition. Fried M, Ferlito A, Rinaldo A, Smith RV, eds. Plural Publishing, Inc, 2008.
7. **Krishna P** and Lee D. "Surgical Treatment of Acute Frontal Sinusitis." Chapter for Otolaryngology/Facial Plastic Surgery E-Medicine online textbook 2001.
8. **Krishna P.** "Head and Neck." Chapter (14). Tevar A, Azuaje R, Micon L, eds. Surgery Review Illustrated. New York: McGraw-Hill, 2004, p.333-382.
9. **Krishna P**, Farris S.. "Ophthalmology in Otolaryngology." Chapter/Module for National Resident Online Study Guide. American Academy of Otolaryngology-Head and Neck Surgery, 2004.



**Other publications:**

1. **Krishna P.** Book Review of Stroboscopy and Other Techniques for the Analysis of Vocal Fold Vibration. *Laryngoscope* 2005;115(11): 2076.
  2. **Krishna P.** Photograph, cover of *Archives of Otolaryngology-Head/Neck Surgery*, December 2001 issue.
  3. **Krishna P.** "An Interview Story. In *"This Side of Doctoring: Reflections from Women in Medicine"* Ed. Eliza Lo Chin, M.D. Sage Publications, 2001.
  4. **Krishna P.** "Dear Doctor." Pittsburgh-Post Gazette, December 2008.
- 

**COMMUNITY SERVICE**

1. Volunteer ENT physician at the Birmingham Clinic and Advisory Board Member PHCUP Fall 2008-2011
2. Member of Community ENTs (CENTS), Pittsburgh, PA 2006-2011.
3. Vocal Health Outreach Program, a free service provided to music programs at schools and colleges in the area. Multiple seminars/presentations given between 2012 and 2017, this is an ongoing project.
4. Alto, Riverside Master Chorale 2012-2013, 2014-2015, and Raincross Master Chorale 2015-2016
5. Surgical team member of Honduras Mission Trip, Hospital Adventista Valle de Angeles and Hospital Escuela May 2015, May/June 2016, May 2017.