

## CURRICULUM VITAE

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### EDUCATION/POST-GRADUATE TRAINING AND CERTIFICATION

06/16-12/17	Stanford Medical Leadership Academy Stanford University, Stanford, CA
2015	Biodesign Faculty Fellowship Stanford University, Stanford, CA
7/2007-6/2008	Fellowship in Sleep Medicine – Department of Psychiatry, Stanford University, Stanford, CA
7/2003-6/2007	Residency in Psychiatry - Department of Psychiatry, University of Miami, FL, USA
7/1999-6/2001	Fellowship in Head and Neck Surgery - Department of Otolaryngology, Head and Neck Surgery, University of Miami, FL, USA
1/1996-12/1998	Residency in Otolaryngology, Head and Neck Surgery , - Department of Otolaryngology, Head and Neck Surgery , Federal University of Parana (UFPR), Curitiba-PR, Brazil
2/1990-12/1995	School of Medicine - Federal University of Parana (UFPR), Curitiba-PR, Brazil

### LICENSURE

2007- current	Medical Board of California #A98812
2005- 2020	State of Florida Department of Health #ME 95925

### BOARD CERTIFICATION

Otolaryngology Head and Neck Surgery, American Board of Otolaryngology, June 1<sup>st</sup> 2018 – June 30<sup>th</sup> 2028

Sleep Medicine, American Board of Psychiatry and Neurology, November 2009 – November 31, 2022

Psychiatry, American Board of Psychiatry and Neurology, May 2008 – December 31, 2018

**PROFESSIONAL APPOINTMENTS**

2020/09-present

Associate Dean, Senior Associate Dean Research Office at Stanford University School of Medicine

2019/06-present

Stanford Bio-X Affiliated Faculty

2017/06-present

Associate Professor, Department of Otolaryngology, Head and Neck Surgery, and by Courtesy Sleep Center for Sciences and Medicine, Stanford University, Stanford, California

2013/07-present

Advisor, Global Biodesign, Byers Center for Biodesign, Stanford University

2010/03-present

Chief, Division of Sleep Surgery, Stanford University School of Medicine, Stanford, California

2010/03-present

Co-Director, Fellowship in Sleep Apnea Surgery, Department of Otolaryngology-Head and Neck Surgery, Stanford University School of Medicine, Stanford, California

2010/03-2017/06

Clinical Assistant Professor, Department of Otolaryngology, Head and Neck Surgery, and by Courtesy Sleep Center for Sciences and Medicine, Stanford University, Stanford, California

2008/09-2010/03

Clinical Assistant Professor, UHealth Sleep Program, University of Miami Miller School of Medicine, Miami, Florida

2001/09-2003/05

Adjunct Professor at the Department of Otolaryngology, Head and Neck Surgery, Federal University of Paraná (UFPR), Curitiba, Paraná – Brazil

**SELECT SCHOLARSHIP HONORS AND AWARDS**

2020, 2019,

2018, 2017

2016, 2012

Stanford Byers Center for Biodesign: Recognition for Distinguished Mentorship

2020

American Academy of Otolaryngology – Head and Neck Surgery Foundation Honor Award

- 2019 Honorary Professor: University of Sao Paulo School of Medicine, Sao Paulo, SP, Brazil
- 2018 Diaspora Brasil - Recognition for Fostering Science and Innovation in Brazil Award Presented at the Brazilian Embassy in the USA, Washington DC
- 2018 Honorary Professor: Shenzhen ENT Hospital and Institute, Shenzhen, China
- 2018 Stanford Anesthesiology Research Awards: Best Clinical Research  
Nonsteady state modeling of the ventilatory depressant effect of remifentanyl in awake patients suffering from moderate-to-severe obstructive sleep apnea
- 2016 A Theory for Post-Tonsillectomy Secondary Hemorrhage: Epitelial Separation. 119<sup>th</sup> Triological Annual Meeting at COSM, Chicago, IL May 2016, 1<sup>st</sup> place ASPO William Potsic Award for Best Basic Science Manuscript.
- 2015 Journal of Laryngology and Otology - "Smartphone apps for snoring".  
**Main Article of 2015.** London-UK
- 2013 Honorary Professor, Dept. of Oral and Maxillofacial Surgery, Kyung Hee University School of Dentistry, Seoul, South Korea
- 2007 Evaluation of sleep quality in patients recently exposed to combat related trauma, Miami Veterans Affairs Medical Center, University of Miami, FI, USA – Best Resident Research Project Award.
- 2001 Endoscopic resection of the inverted papilloma. Chandler Society Otolaryngology Meeting, Department of Otolaryngology, Head and Neck Surgery, University of Miami, FI, USA– 1<sup>st</sup> prize Fellow Research Project.

### ORIGINAL PEER REVIEWED SCIENTIFIC PUBLICATIONS

1. King HW, Wells KL, Shipony Z, Kathiria AS, Wagar LE, Lareau C, Orban N, **Capasso R**, Davis MM, Steinmetz LM, James LK, Greenleaf WJ. Integrated single-cell transcriptomics and epigenomics reveals strong germinal center-associated etiology of autoimmune risk loci. *Sci Immunol.* 2021 Oct 15;6(64):eabh3768. doi: 10.1126/sciimmunol.abh3768. Epub 2021 Oct 8. PMID: 34623901.
2. Abdelwahab M, Marques S, Previdelli I, **Capasso R**. Perioperative Antibiotic Use in Sleep Surgery: Clinical Relevance. *Otolaryngol Head Neck Surg.* 2021 Sep 28:1945998211048745. doi: 10.1177/01945998211048745. Epub ahead of print. PMID: 34582286.
3. Zhao C, Viana A, Ma Y, **Capasso R**. Upper airway collapse characteristics in adult patients with OSA and previous tonsillectomy. *Sleep Breath.* 2021 Jul 28. doi: 10.1007/s11325-021-02451-8. Epub ahead of print. PMID: 34319500.

4. Abdelwahab M, Poomkonsarn S, Ren X, Awad M, **Capasso R**, Riley R, Most S, Liu SY. A Comprehensive Strategy for Improving Nasal Outcomes after Large Maxillomandibular Advancement for Obstructive Sleep Apnea. *Facial Plast Surg Aesthet Med*. 2021 Jul 21. doi: 10.1089/fpsam.2020.0569. Epub ahead of print. PMID: 34287054.
5. Huntley C, Boon M, Ishman S, **Capasso R**, Crawford J, D'Agostino MA, Hoff P. Virtual otolaryngologic management of sleep apnea patients: Lessons learned from COVID-19 pandemic. *Laryngoscope Invest Otolaryngol*. 2021 May 5;6(3):564-569. doi: 10.1002/lio2.562. PMID: 34195378; PMCID: PMC8223474.
6. Ibrahim B; de Freitas Mendonca MI; Gombar S; Callahan A; Jung K; **Capasso R**. Association of Systemic Diseases With Surgical Treatment for Obstructive Sleep Apnea Compared With Continuous Positive Airway Pressure. *JAMA Otolaryngol Head Neck Surg*. 2021 Jan 21. doi: 10.1001/jamaoto.2020.5179. PMID: 33475682
7. Calvo-Henriquez C; Megias-Barrera J; Chiesa-Estomba C; Lechien J; Maldonado-Alvarado B; Ibrahim B; Suarez-Quintanilla D; **Capasso R**. The impact of maxillary expansion on adults' nasal breathing: A systematic review and meta-analysis. *American Journal of Rhinology and Allergy*: Feb 21. doi 10.1177/1945892421995350.
8. Rashid NH, Zaghi S, Scapuccin M, Camacho M, Certal V, **Capasso R**. The Value of Oxygen Desaturation Index for Diagnosing Obstructive Sleep Apnea: A Systematic Review. *Laryngoscope*. 2021 Feb;131(2):440-447
9. Zhao, C., Viana, A., Ma, Y., **Capasso, R**. High Tongue Position is a Risk Factor for Upper Airway Concentric Collapse in Obstructive Sleep Apnea: Observation Through Sleep Endoscopy. *Nature and Science of Sleep* 2020; 12: 767–74.
10. Zhao C, Viana A Jr, Ma Y, **Capasso R**. Insights into Friedman stage II and II OSA patients through drug-induced sleep endoscopy. *J Thorac Dis*. 2020 Jul;12(7):3663-3672.
11. Rameau A, Hong RS, Djalilian H, Erbele ID, Phillips KM, **Capasso R\***, Rose AS, Brenner MJ, Santa Maria PL. New Medical Device and Therapeutic Approvals in Otolaryngology: State of Art Review of 2019. *OTO Open*. 2020 Jun 2;4(2). doi: 10.1177/2473974X20932506. eCollection 2020 Apr-Jun. PMID: 32537556. \*Participated in data analysis, interpretation and manuscript drafting and review.
12. Calvo-Henriquez C, **Capasso R\***, Chiesa-Estomba C, Liu SY, Martins-Neves S, Castedo E, O'Connor-Reina C, Ruano-Ravina A, Kahn S The role of pediatric maxillary expansion on nasal breathing: A systematic review and meta-analysis. *Int J Pediatr Otorhinolaryngol*. 2020 Aug;135:110139. doi: 10.1016/j.ijporl.2020.110139. Epub 2020 May 25. \*Participated in data analysis, interpretation and manuscript drafting and review.
13. Calvo-Henriquez C, **Capasso R\***, Martínez-Capoccioni G, Rangel-Chaves J, Liu SY, O'Connor-Reina C, Lechien JR, Martin-Martin C Safeness, subjective and objective changes after turbinate surgery in pediatric patients: A systematic review. *Int J Pediatr Otorhinolaryngol*. 2020 Aug;135:110128. doi: 10.1016/j.ijporl.2020.110128. Epub 2020 May 21. \*Participated in data analysis, interpretation and manuscript drafting and review.
14. Liu SY, Hutz MJ, Poomkonsarn S, Chang CP, Awad M, **Capasso R**. Palatopharyngoplasty Resolves Concentric Collapse in Patients Ineligible for Upper Airway Stimulation.

*Laryngoscope*. 2020 Dec;130(12):E953-E962

15. Awad M, **Capasso R**. Skeletal Surgery for Obstructive Sleep Apnea. *Otolaryngologic Clinics of North America*. Volume 53, Number 3, June 2020
16. Viana, A., Zhao, C., Rosa, T., Couto, A., Neves, D., Araujo-Melo, M., **Capasso, R**. The Effect of Sedating Agents on Drug-Induced Sleep Endoscopy Findings *Laryngoscope* 2019; 129 (2): 506–13.
17. Rosa, T. D., Zitser, J., **Capasso, R**. Consumer Technology for Sleep-Disordered Breathing: a Review of the Landscape. *Current Otorhinolaryngology Reports*, (2019). 7(1), 18–26.
18. Chang ET, Kwon YD, Jung J, **Capasso R\***, Riley R, Liu SC, Camacho M. Genial tubercle position and genioglossus advancement in obstructive sleep apnea (OSA) treatment: a systematic review. *Maxillofac Plast Reconstr Surg*. 2019 Sep 9;41(1):34. \*Participated in data analysis, interpretation and manuscript drafting and review.
19. Camacho M, Certal V, Modi R, **Capasso R**. Tissue-Sparing Uvulopalatopharyngoplasty for OSA: Conservative, Compassionate and Possibly just as Effective. *Indian J Otolaryngol Head Neck Surg*. 2019 Mar;71(1):5-6
20. Awad, M., Gouveia, C., **Capasso, R.**, Liu, S. Y Tonsillectomy and Pharyngoplasty: Tissue-Preserving Techniques. *Atlas of the oral and maxillofacial surgery clinics of North America*.2019; 27 (1): 17–22. Participated in data analysis, interpretation and manuscript review.
21. Green, K. K., Kent, D. T., D'Agostino, M. A., Hoff, P. T., Lin, H., Soose, R. J., Boyd Gillespie, M., Yaremchuk, K. L., Carrasco-Llatas, M., Tucker Woodson, B., Jacobowitz, O., Thaler, E. R., Barrera, J. E., **Capasso R.\***, Liu, S. Y., Hsia, J., Mann, D., Meraj, T. S., Waxman, J. A., Kezirian, E. J. Drug-Induced Sleep Endoscopy and Surgical Outcomes: A Multicenter Cohort Study. *Laryngoscope* Mar 2019 129(3)761-7. \*Participated in study design, data collection, analysis, interpretation and manuscript drafting and review.
22. Doufas AG, Shafer SL, Rashid NH, Kushida CA, **Capasso R**. Nonsteady state modeling of the ventilatory depressant effect of remifentanyl in awake patients suffering from moderate-to-severe obstructive sleep apnea. *Anesthesiology*. 2019 Feb;130(2):213-226
23. Inoue A, Chiba S, Matsuura K, Osafune H, **Capasso R\***, Wada K. Nasal Function and CPAP compliance. *Auris Nasus Larynx*. 2019 Aug;46(4):548-558  
\*Participated in data analysis and manuscript drafting and review.
24. Zhao C, Viana A Jr, Ma Y, **Capasso R**. The effects of aging on drug-induced sleep endoscopy findings. *Laryngoscope*. 2018 Nov;128(11):2644-50.
25. Wang JK, Pamnani RD, **Capasso R\***, Chang RT. An Extended Hackathon Model for Collaborative Education in Medical Innovation. *J Med Syst*. 2018 Oct 17;42(12):239.  
\*Participated in study design, data collection, analysis, interpretation and manuscript drafting and review.

26. Camacho, M., Chang, E. T., Neighbors, C. L., Noller, M. W., Mack, D., **Capasso, R.\***, Kushida, C. A. *Expert review of respiratory medicine* 2018; 12 (11): 919–29. Thirty-five alternatives to positive airway pressure therapy for obstructive sleep apnea: an overview of meta-analyses. \*Participated in data analysis, interpretation and manuscript drafting and review.
27. Rosa T; Bellardi K; Viana Jr A; Ma Y; **Capasso R.** Digital Health and Sleep Disordered Breathing: A Systematic Review and Meta-Analysis. *J Clin Sleep Med* 2018 Aug 30. pii: jc-18-00060.
28. Singh SK, Liu S, **Capasso R.\***, Kern RC, Gouveia CJ. Youtube as a source of information for obstructive sleep apnea. *Am J of Otolaryngology* 2018 Jul - Aug;39(4):378-382. \*Participated in data analysis, interpretation and manuscript drafting and review.
29. Torre C, Zaghi S, Camacho M, **Capasso R.\***, Liu SY. Hypopharyngeal evaluation in obstructive sleep apnea with awake flexible laryngoscopy: Validation and updates to Cormack-Lehane and Modified Cormack-Lehane scoring systems. *Clin Otolaryngol.* 2018 Jun;43(3):823-82. \*Participated in data collection, analysis, interpretation and manuscript drafting and review.
30. Scapuccin M, Schneider L, Rashid N, Zaghi S, Rosa T, Tsuo YA, Liu S, Lazarini P, **Capasso R.\***, Ruoff C. Integrating the divided nasal cannula into routine polysomnography to assess nasal cycle: feasibility and effect on outcomes. *J Clin Sleep Med* 2018 Apr 15;14(4):641-650. \*Participated in study design, data collection, analysis, interpretation and manuscript drafting and review.
31. Beswick DM, Santa Maria C, Ayoub NF, **Capasso R.\***, Santa Maria PL Epithelial separation theory for post-tonsillectomy secondary hemorrhage: evidence in a mouse model and potential heparin-binding epidermal growth factor-like growth factor therapy. *Eur Arch Otorhinolaryngol.* 2018 Feb;275(2):569-578. \*Participated in study design, data collection, analysis, interpretation and manuscript drafting and review.
32. Gouveia CJ, Zaghi S, Awad M, Camacho M, Liu SYC, **Capasso R.\***, Kern RC. Publication Trends and Levels of Evidence in Obstructive Sleep Apnea Literature. *Laryngoscope.* 2018 Sep;128(9):2193-2199. \*Participated in data collection, analysis, interpretation and manuscript drafting and review.
33. Viana A Jr, Daflon AC, Couto A, Neves D, de Araujo-Melo MH, **Capasso R.** Nocturnal Hypoxemia is Associated With Low Testosterone Levels in Overweight Males and Older Men With Normal Weight. *J Clin Sleep Med.* 2017 Dec 15;13(12):1395-1401
34. Torre C, Liu SY, Kushida CA, Nekhendzy V, Huon LK, **Capasso R.** Impact of Continuous Positive Airway Pressure in Patients with Obstructive Sleep Apnea During Drug Induced Sleep Endoscopy. *Clin Otolaryngol* 2017. Dec;42(6):1218-1223
35. Gouveia CJ, Kern RC, Liu SY, **Capasso R** The state of academic sleep surgery: A survey of the United States fellowship and residency programs. *Laryngoscope.* 2017 Oct;127(10):2423-2428
36. Certal V, **Capasso R** Updated Concepts on Treatment Outcomes for Obstructive Sleep Apnea. *Adv Otorhinolaryngol.* 2017;80:37-40

37. Camacho M, Riley RW, **Capasso R\***, O'Connor P, Chang ET, Reckley LK, Guilleminault C. Sleep surgery tool: A medical checklist to review prior to operating. *J Craniomaxillofac Surg*. 2017 Mar;45(3):381-386. \*Participated in data collection, analysis, interpretation and manuscript drafting and review.
38. Chang ET, Certal V, Song SA, Zaghi S, Carrasco-Llatas M, Torre C, **Capasso R\***, Camacho M, Dexmedetomidine versus propofol during drug-induced sleep endoscopy and sedation: a systematic review. *Sleep Breath*. 2017 Sep;21(3):727-735. \*Participated in data collection, analysis, interpretation and manuscript drafting and review.
39. Certal V, Camacho M, Song SA, **Capasso R** Introducing a new concept in obstructive sleep apnea: The continuum of treatment Cranio. 2017 Jan;35(1):1-2.
40. Chang ET, Fernandez-Salvador C, Giambo J, Nesbitt B, Liu SY, **Capasso R\***, Kushida CA, Camacho M. Tongue Retaining Devices for obstructive sleep apnea: A systematic review and meta-analysis. *Am J Otolaryngol*. 2017 May - Jun;38(3):272-278. \*Participated in data collection, analysis, interpretation and manuscript drafting and review.
41. Gouveia CJ, Cramer JD, Liu SY, **Capasso R**. Sleep Surgery in the Elderly. *Otolaryngol Head Neck Surg*. 2017 Apr;156(4):757-764.
42. Camacho M, Ruoff CM, Kawai M, Modi R, Arbee J, Hekmat A, Robertson M, Zaghi S, Certal V, **Capasso R**, Kushida CA. Five minutes awake snoring test for Determining CPAP Pressures (Five-Minute CPAP Test): A Pilot Study. *Sleep Disord*. 2016;2016:7380874. doi: 10.1155/2016/7380874. Epub 2016 Jan 11.
43. Camacho M, Zaghi S, Certal V, Abdullatif J, Modi R, Sridhara S, Tolisano AM, Chang ET, Cable BB, **Capasso R**. Predictors of Nasal Obstruction: Quantification and Assessment Using Multiple Grading Scales. *Plast Surg Int*. 2016;2016:6945297. doi: 10.1155/2016/6945297. Epub 2016 May 16.
44. Song SA, Chang ET, Certal V, Del Do M, Zaghi S, Liu SY, **Capasso R**, Camacho M. Genial tubercle advancement and genioplasty for obstructive sleep apnea: A systematic review and meta-analysis. *Laryngoscope*. 2016 Aug 22. doi: 10.1002/lary.26218.
45. **Capasso R**, Rosa T, Tsou D Y, Nekhendzy V, Drover D, Collins J, Zaghi S, Camacho M Variable Findings for Drug Induced Sleep Endoscopy in Obstructive Sleep Apnea with Propofol Versus Dexmedetomidine. *Otolaryngology Head and Neck Surgery*, 2016 Apr;154 (4):765-70
46. Certal VF, Pratas R, Guimaraes L, Lugo R, Tsou Y, Camacho M, **Capasso R**. Awake examination versus DISE for surgical decision making in OSA. A systematic review. *Laryngoscope*. 2016 Mar;126 (3):768-74
47. Liu SY, Huon LK, Iwasaki T, Yoon A, Riley R, Powell N, Torre C, **Capasso R**. Efficacy of Maxillomandibular Advancement Examined with Drug-Induced Sleep Endoscopy and Computational Fluid Dynamics Airflow Modeling. *Otolaryngol Head Neck Surg*. 2016 Jan;154 (1):189-95

48. Torre C, Camacho M, Liu SY, Huon LK, **Capasso R**. Epiglottis Collapse in adult Obstructive Sleep Apnea: A systematic review *Laryngoscope*. 2016 Feb;126 (2):515-23
49. Ando T, Chiba S, **Capasso R**, Okushi T, Kojima H, Otori N, Wada. Risk Factors for Sleep Impairment in Adult Patients with Chronic Rhinosinusitis. *K Auris Nasus Larynx*. 2016 Aug;43(4):418-21
50. Means C, Camacho M, **Capasso R** Long-Term Outcomes of Radiofrequency Ablation of the Inferior Turbinates. *Indian J Otolaryngol Head Neck Surg*. 2016 Dec;68(4):424-428.
51. Certal V, Silva H, Carvalho C, Costa-Pereira A, Azevedo I, Winck J, **Capasso R**, Camacho M. Model for Prediction of pediatric OSA. Proposal for a clinical decision rule. *Laryngoscope*. 2015 Dec;125 (12):2823-7.
52. Liu SY, Huon LK, Lo MT, Chang YC, **Capasso R**, Chen YJ, Shih TT, Wang PC. Static Craniofacial Measurements and Dynamic Airway Collapse Patterns Associated with Severe Obstructive Sleep Apnea: A Sleep MRI Study *Clin Otolaryngol*. 2015 Nov 30. doi: 10.1111/coa.12598.
53. Camacho M, Robertson M, Abdullatif J, Certal V, Kram YA, Ruoff CM, Brietzke SE, **Capasso R**. Smartphone Apps for Snoring, *J Laryngol Otol*. 2015 Oct;129 (10):974-9
54. Camacho M, Liu SY, Certal V, **Capasso R**, Powell NB, Riley RWJ Large Maxillomandibular Advancements for Obstructive Sleep Apnea: An Operative Technique evolved over thirty years. *J Craniomaxillofac Surg*. 2015 Sep;43(7):1113-8
55. Liu SY, Huon LK, Powell NB, Riley R, Cho HC, Torre C, **Capasso R**. Lateral Pharyngeal Wall Tension after Maxillomandibular Advancement for Obstructive Sleep Apnea is a Marker for Surgical Success: Observations from Drug- induced Sleep Endoscopy. *Journal of Oral and Maxillofacial Surgery*, 2015 Aug;73(8):1575-82
56. Lan MC, Liu SY, Lan MY, Modi R, **Capasso R**. Lateral Pharyngeal Wall Collapse Associated with Hypoxemia in Obstructive Sleep Apnea. *Laryngoscope*. 2015 Oct;125(10):2408-12
57. Camacho M, Teixeira J, Abdullatif J, Acevedo JL, Certal V **Capasso R**, Powell N.; Maxillomandibular Advancement and Tracheostomy for Morbidly Obese Obstructive Sleep Apnea: A Systematic Review and Meta-analysis. *Otolaryngology and Head and Neck Surgery*.2015 April 152(4):619-630.
58. Certal V, Zaghi S, Riaz M, Vieira AS , Pinheiro CT, Kushida CA, **Capasso R**, Camacho M. Hypoglossal Nerve Stimulation in the Treatment of Obstructive Sleep Apnea: A Systematic Review and Meta-analysis. *Laryngoscope* 2015 May;125(5):1254-64
59. Camacho M, Certal V, Abdullatif J, Zaghi S, Ruoff CM, **Capasso R**, Kushida CA. Myofunctional Therapy to Treat Obstructive Sleep Apnea: A Systematic Review and Meta-analysis. *Sleep*. 2015 May 1;38(5):669-75.
60. Camacho M, Kushida CA, **Capasso R**. 2 years sleep Surgery and medicine for Otolaryngologists *Otolaryngol Head Neck Surg*. 2015 Apr;152(4):766-7.



61. Camacho M, Riaz M, **Capasso R**, Ruoff CM, Guilleminault C, Kushida CA, Certal V. The Effect of Nasal Surgery on Continuous Positive Airway Pressure Device Use and Therapeutic Treatment Pressures: A Systematic Review and Meta-Analysis. *Sleep*. 2015 Feb 1;38(2):279-86.
62. Camacho M, Zaghi S, Abdullatif J, Means C, Acevedo J, Liu S, Brietzke S, Kushida C, **Capasso R**. Inferior Turbinate classification system, grades 1 to 4: Development and validation study. *Laryngoscope* 2015 Feb;125(2):296-302
63. Certal V Camacho M, Winck JC, **Capasso R**, Azevedo I, Costa-Pereira A; Unattended Sleep Studies in Pediatric OSA, a Systematic Review and Meta-analysis. *Laryngoscope* 2015 Jan;125(1):255-62
64. Kumar AR, Guilleminault C, Certal V, Li D, **Capasso R**, Camacho M. Nasopharyngeal airway stenting devices for obstructive sleep apnea: A systematic review and meta-analysis. *J Laryngol Otol*. 2014 Dec 29:1-9.
65. Camacho M, **Capasso R**, Schendel S.; Airway changes in obstructive sleep apnea patients associated with a supine versus upright position examined using cone beam computed tomography *J Laryngol Otol*. 2014 Sep;128(9):824-30.
66. Certal V, Camacho M, **Capasso R**. In reference to redefining successful therapy in obstructive sleep apnea: A call to arms. *Laryngoscope*. 2014 Jun 17.
67. **Capasso R**, Kezirian E, Jacobovitz O, Weaver EM; Management of Obstructive Sleep Apnea in Adults. *Ann Intern Med*. 2014 Mar 4;160(5):367.
68. Camacho M, Certal V, Brietzke S, Holty E, Guilleminault C, **Capasso R**; Tracheostomy as Treatment for Adult Obstructive Sleep Apnea: A Systematic Review and Meta-Analysis. *Laryngoscope*. 2014 Mar; 124(3):803-11
69. Hsia J, Camacho M, **Capasso R**.; Snoring exclusively during nasal breathing: a newly described respiratory pattern during sleep. *Sleep and Breathing* 2014 Mar;18(1):159-64.
70. Camacho M, Certal V, **Capasso R**; Comprehensive Review of Surgeries for Obstructive Sleep Apnea Syndrome. *Brazilian Journal of Otorhinolaryngology* 2013 Nov-Dec;79(6):780-788
71. Camacho M, Certal V, Nishino N, **Capasso R**; Reviewing the Systematic Reviews in OSA Surgery. *Otolaryngology Head and Neck Surgery* 2013 Dec;149(6):817-29.
72. Kimura A, Chiba S, **Capasso R**, Yagi T, Ando Y, Watanabe S, Moriyama H ; Phase of nasal cycle during sleep tends to be associated with sleep stage. *Laryngoscope* 2013 Aug;123 (8):2050-5
73. Kumar AR, Camacho M, **Capasso R**. Quantitative Assessment of an Obstructive Sleep Apnea Patient Before and After Tracheostomy: A Case Study. *J Otol Rhinol* 2:2.(2013) doi:10.4172/2324-8785.1000118
74. Kumar AR, Camacho M, **Capasso R**. Delayed Onset of Infection Development After Polyalkylimide Treatment for HIV-Associated Lipoatrophy *J Otol Rhinol* 2:2.(2013)

doi:10.4172/2324-8785.1000115

75. Shin LK, Holbrook AB, **Capasso R**, Kushida CA, Powell NB, Fischbein NJ, Pauly KB. Improved sleep MRI at 3 tesla in patients with obstructive sleep apnea. *Journal of Magnetic Resonance Imaging* 2013 Nov; 38(5):1261-6
76. Carvalho B, Hsia J, **Capasso R**, Surgical Therapy of Obstructive Sleep Apnea: A Review. *Neurotherapeutics*. 2012 Oct;9(4):710-6
77. Lin F, Gurgel R, Popelka G, **Capasso R**. The Effect of Continuous Positive Airway Pressure on Middle Ear Pressure. *Laryngoscope* 2012 Mar;122(3):688-90
78. Shen T, Shimahara E, Cheng J, **Capasso R**. Sleep Medicine Clinical and Surgical Training during Otolaryngology Residency Training: A National Survey of Otolaryngology Residency Programs. *Otolaryngol Head Neck Surg*. 2011. December 2011; 145 (6) 1043-8
79. Ownby RL, Saeed M., Wohlgemuth W, **Capasso R**, Acevedo A, Peruyera G, Sevush S. Caregiver reports of sleep problems in non-Hispanic white, Hispanic, and African-American patients with Alzheimer dementia. *J Clin Sleep Med*. June 25;6(3):281-9, 2010.
80. Kaza S, **Capasso R**, Casiano RR. Endoscopic resection of inverted papilloma: University of Miami experience. *Am J Rhinol*. Jul-Aug 17(4):185-90, 2003
81. Mocellin M, **Capasso R**, Vizzoto Jr, A Gavazzoni. Pyogenic Granuloma in the External Acoustic Meatus – A Case Report. *Revista Brasileira de Otorrinolaringologia*, 64(2) 158-161, 1998.
82. Alcântara LL, **Capasso R**, Catani G, Euriques F, Gradenigo's Syndrome – Case report . *Revista Brasileira de Otorrinolaringologia*, 64(2) 170-173, 1998.
83. **Capasso R**, Pereira RG: Tooth in the Ethmoid Sinus – A Case Report. *Dens* 56(4) 156-170, 1995.
84. **Capasso R**, Barrionuevo CR, Konig, MBC, Barrionuevo R. Cefazolin efficacy in single dose for post-operative infection prophylaxis in non-infected otolaryngologic surgeries. *Revista Brasileira de Otorrinolaringologia*, 61(6) 98-103, 1995.
85. Ballin CR, Pereira RG, **Capasso R**, Sava LC, Pinto MC. Coronal approach for otolaryngologic surgeries. *A Folha Médica – Caderno de Otorrinolaringologia Cirurgia de Cabeça e Pescoço*, 111(1), 1995 190-193, 1995.

## BOOK CHAPTERS AND REVIEW ARTICLES

1. **In press:** Camacho M; **Capasso R**. Non-Apneic Snoring and Upper Airway Resistance Syndrome. *Bailey's Otolaryngology, Head & Neck Surgery, Sixth Edition*. Wolters Kluwer Book Editor(s): Clark Rosen, Stacey Gray, Patrick Ha, Charles Limb, Stephen Park, and Gresham Richter.
2. **In press:** Ibrahim B; Tahir M; **Capasso R**. Skeletal Surgery for Obstructive Sleep Apnea.

*Essentials of Sleep Medicine and Surgery, First Edition.* Book Editors: KJ Lee, Maria Suurna, Stacey Ishman. Nova Science Publishers.

3. **Capasso R**; Zaghi S. Innovations in Surgical Treatment of OSA. Sleep Apnea and Snoring, Surgical and Non-Surgical Therapy, Second Edition. Editors Michael Friedman and Ofer Jacobowitz. Elsevier 2020. Pages 446-452
4. Liu, S. Y., Awad, M., Riley, R., **Capasso, R.** The Role of the Revised Stanford Protocol in Today's Precision Medicine. *Sleep Medicine Clinics* 2019; 14 (1): 99–107
5. Hoff P; **Capasso R**; Devvuri U. TORS: The North American Experience. TransOral Robotic Surgery for Obstructive Sleep Apnea: A Practical Guide to Surgical Approach and Patient Management, Springer 2016. Pages 175-182
6. **Capasso R**; Machado F. Global Perspectives – Latin America. *Biodesign: The process of innovating medical technologies. Second Edition.* Editors Paul Yock, Stefanos Zenios, Joshua Makower, Todd J. Brinton, Uday N Kumar, F.T. Jay Watkins; Lyn Denend, Cambridge University Press, February 2015. Pages 32-37
7. Sullivan S, Carrillo O, **Capasso R.** Rhinologic Aspects of Sleep Disordered Breathing. Chapter 38. *Rhinology, Diseases of the Nose, Sinuses and Skull Base. First Edition.* Editors Peter Hwang and David Kennedy, Thieme Publications, May 2012. Pages 503-511
8. **Capasso R**, Monteiro E, Pereira P. Acute and chronic unspecific laryngitis. *Review of Otolaryngology, II Edition*, Editors Carlos Alberto Herrerias de Campos and Henrique Olavo Olival Costa. Roca. São Paulo-SP Brazil, 2011. Pages 272-285
9. **Capasso R**, Monteiro E. Acute and chronic unspecific laryngitis. *Review of Otolaryngology, I Edition* - Editors Carlos Alberto Herrerias de Campos and Henrique Olavo Olival Costa. Roca. São Paulo-SP, Brazil, 2002. Pages 180-185

## DIGITAL PUBLICATIONS AND MEDIA PARTICIPATION

1. Educating Tomorrow's Doctors:  
<https://www1.folha.uol.com.br/opiniaio/2020/02/o-ensino-de-hoje-para-a-medicina-do-amanha.shtml>
2. "Using CPAP machine can improve sex lives for some, study says."  
<https://www.cnn.com/2018/05/24/health/sleep-apnea-cpap-sex-study/index.html>
3. "New hope with new device for people with Sleep Apnea"  
<https://www.nbcnews.com/nightly-news/video/new-hope-with-new-device-for-people-with-sleep-apnea-94554835551>
4. "Precision is just what you need for Sleep Apnea Treatment". Huffington Post, March 2017.  
[http://www.huffingtonpost.com/entry/precision-just-what-you-need-for-sleep-apnea-treatment\\_us\\_58cb4d9ee4b07112b6472c3b](http://www.huffingtonpost.com/entry/precision-just-what-you-need-for-sleep-apnea-treatment_us_58cb4d9ee4b07112b6472c3b)
5. "Surgical Options Exist to Treat Obstructive Sleep Apnea". Huffington Post , June 2013

[http://www.huffingtonpost.com/stanford-center-for-sleep-sciences-and-medicine/sleep-apnea-surgery\\_b\\_3412268.html](http://www.huffingtonpost.com/stanford-center-for-sleep-sciences-and-medicine/sleep-apnea-surgery_b_3412268.html)

6. Mignot E, **Capasso R**; Diagnosis and Management of Common Sleep Disorders: An overview for the Psychiatrist , Touch Neurology, June 2008  
<http://www.touchneurology.com/articles/diagnosis-and-management-common-sleep-disorders-overview-psychiatrist>
7. 10 Dicas Para Dormir Melhor : “10 tips to sleep better” <http://clubalfa.abril.com.br/top-10/saude/10-dicas-para-dormir-melhor/>
8. Expert Interview: Robson Capasso of Stanford University on OSA Surgery. Nov/2011 <http://doctorstevenpark.com/expert-interview-robson-capasso-of-stanford-university-on-sleep-apnea-surgery>

### POSTERS AND ORAL SCIENTIFIC PRESENTATIONS

1. Abdelwahab M, Marques S, Previdelli I, **Capasso R**. Perioperative Antibiotic Use in Sleep Surgery: Clinical Relevance American Academy of Otolaryngology, Head and Neck Surgery Meeting, Los Angeles, CA 2021.
2. Tongue Morphology Predicts responses in patency to selective hypoglossal stimulation. Curado T; **Capasso R**; Eisele D; Schwartz A. American Academy of Otolaryngology, Head and Neck Surgery Meeting, Los Angeles, CA 2021.
3. Oxygen Desaturation Index versus Apnea Hypopnea Index as the Primary Outcome Measure for Adult Obstructive Sleep Apnea: A Systematic Review. Abdul Rashid N; Zaghi S; Scapuccin M; Camacho M; Certal V; **Capasso R** International Sleep Surgery Society Meeting, Los Angeles, CA May 2017
4. Scientific Oral Presentation, Sleep Surgery in the Elderly: Lessons from the NSQIP Database. Gouveia, C. MD, Cramer, J. MD, Yung-Chuan Liu, S. MD, DDS, **Capasso, R. MD** Academy of Otolaryngology – Head and Neck Surgery Foundation, San Diego, CA September 2016
5. Scientific Oral Presentation, The Current State of Academic Sleep Surgery in the United States. Gouveia, C. MD, Kelley, K. MD, Yung-Chuan Liu, S. MD, DDS; **Capasso, R. MD** Academy of Otolaryngology – Head and Neck Surgery Foundation, San Diego, CA September 2016.
6. Beswick D; Santa Maria C, Ayoub NF, **Capasso R**, Santa Maria PL, A Theory for Post-Tonsillectomy Secondary Hemorrhage: Epitelial Separation. 119<sup>th</sup> Triological Annual Meeting at COSM, Chicago, IL May 2016
7. Torre C, McKenzie E, Nekhendzy V, Liu SY, **Capasso R**. Impact of CPAP on Airway Collapse in OSA patients during DISE. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery Foundation, Dallas, TX September 2015.
8. Liu SY, **Capasso R**, Huon LK, Torre C, Cho HG, Iwasaki T. MMA: Is it a palatal surgery? Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery Foundation, Dallas, TX September 2015.

9. Liu SY, Huon LK, Torre C, **Capasso R**. Genioglossus with Genioplasty using 3D Virtual Planning. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery Foundation, Dallas, TX September 2015.
10. Shen T, Shimahara E, Cheng J, **Capasso R**. Sleep Medicine Clinical and Surgical Training during Otolaryngology Residency Training: A National Survey of Otolaryngology Residency Programs. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery Foundation, September 2013
11. Shin, L; Powell, N; Holbrook, A; Kushida, C; **Capasso, R**. Real time Dynamic MRI with Synchronous PSG for Obstructive Sleep Apnea 26<sup>th</sup> Meeting of the Associated Professional Sleep Societies (APSS). Boston, MA, June 2012.

### JOURNAL AD-HOC REVIEW SERVICE

2018-	JAMA Otolaryngology
2018-	PLOS-One
2016	The Lancet Respiratory Medicine
2016-	IEEE Journal of Biomedical and Health Informatics
2015-	Journal of Clinical Sleep Medicine
2015-	Head and Neck
2014-	The Laryngoscope
2014-	International Journal of Pediatric Otolaryngology
2014-	International Forum of Allergy & Rhinology
2012-	American Journal of Neuroradiology
2012-	Otolaryngology-Head and Neck Surgery
2012-	Sleep and Breathing
2011-	Auris, Nasus, Larynx

### GRANT SUPPORTED RESEARCH

#### Current

Co-investigator: Influenza responses and repertoire in vaccination, infection and tonsil organoids. PD: Mark Davis, MD. Agreement Number# 5U19AI057229-17 NIH Grant 3U19AI057229-17S1 Award Dates: 04/2019 - 03/2024

Co-investigator: Immune Organoids From Human Lymphoid Tissues. PD: Mark Davis, MD Agreement Number# 5U19AI057229-17 NIH Grant 3U19AI057229-17S1 Award Dates: 04/2019 - 03/2024

#### Prior

Co- Protocol Director (Co-PD): Growth Factor Treatment to enhance oral wound epithelization after surgery. Spark Program, Stanford US, Award Date: 06/2016 – 10/18

Co-Investigator: Correlation of endoscopic view of airway obstruction with RRA signal in OSA patients under dexmedetomidine anesthesia monitored with SedLine EEG. Grant Provided by Masimo Corporation LLC, X PD: David Drover, MD; Award Date: 08/15 – 08/18

Co-investigator: Pivotal Study of the Apnex Medical Hypoglossal Nerve Stimulation (HGNS) System to Treat Obstructive Sleep Apnea. PD: Clete Kushida. Funding provided by Apnex; 12/11 – 01/14

## INTELLECTUAL PROPERTY

**Patent: PCT/ US20170232065A1**– Promoting epithelial regeneration using heparin binding epidermal growth factor like growth factor. Applicant The Board of Trustees Leland Stanford University

**Patent: PCT/ US2019/034049** - Method For Treating Or Preventing Radiotherapy-And Chemotherapy Associated Oral Mucositis Using Locally Administered Heparin Binding Epidermal Growth Factor Like Growth Factor (HB-EGF). Applicant The Board of Trustees Leland Stanford University

## PROFESSIONAL SOCIETY MEMBERSHIPS

2015- Member, International Sleep Surgery Society  
 2013- Fellow, American Academy of Sleep Medicine  
 2013-2014 Member, American Bronchoesophagological Association  
 2010- Member, American Academy of Otolaryngology –Head & Neck Surgery  
 2008- Member, American Academy of Sleep Medicine

## OFFICES AND COMMITTEES: NATIONAL AND INTERNATIONAL

2020-present Member – Health Information Management Committee, Stanford University School of Medicine.

2020-present Member - Research Technology Faculty Advisory Committee, Stanford University School of Medicine

2019-2020 Palo Alto University Innovation, Partnerships and Business Development Committee

2019-2020 Member - Sleep and Transportation Safety Consortium, Department of Transportation, Washington DC

2019-present Board Member at large: International Sleep Surgery Society

2019 Sleep Medicine Review Committee, Stanford University School of Medicine

2018-present Assistant Professor Review Committee, Stanford University School of Medicine

- 2017-2018 Emergency Department's Chairman Search Committee, Stanford University School of Medicine
- 2017-present Medical Devices and Drugs Committee, American Academy of Otolaryngology-Head & Neck Surgery
- 2015 Physician Wellness Task Force, Stanford University School of Medicine
- 2011-2013 Member, Sleep Disorders Committee of the American Academy of Otolaryngology-Head & Neck Surgery
- 2010-2012 Member, Sleep Related Breathing Disorders Section Steering Committee of the American Academy of Sleep Medicine

### **CONSULTING AND ADVISORY SERVICE**

Dawnlight LLC  
Bryte LLC  
Invicta Medical LLC  
XP Health LLC  
Samsung Electronics – (Inactive)  
Arterys LLC – (Inactive)  
True Wearables LLC (Inactive)  
Johnson and Johnson (Inactive)  
Orbimed LLC (Inactive)  
Morpheus Medical Inc (Inactive)  
Linguaflex Inc (Inactive)  
Alfred Mann Foundation (Inactive)  
Omniguide Inc (Inactive)  
Swam Medical Inc (Inactive)

### **SELECT INVITED SPEAKERSHIPS/PROFESSORSHIPS/INSTRUCTION COURSES**

1. American Academy of Otolaryngology, Head and Neck Surgery Meeting; Los Angeles, CA; October 2021
  - a. Snoring 2021: Panel with Ofer Jacobovitz MD, Michael Friedman MD, Boyd Gillespie MD
  - b. How to Develop New Device or Treatment Ideas in Otolaryngology: Plenary Session
  - c. Entrepreneur Face-off:
2. Mansoura University Annual Otolaryngology Meeting: Sleep Apnea Surgery: "Three and Six". Virtual Presentation. Cairo, Egypt. September 2021
3. Asia-Pacific Otorhinolaryngology Training Group (APOST) Virtual Conference: Sleep Surgery: The 3-6 approach. September, 2021

4. Emerging Technologies in OSA, OSA Academy Webinar, Promoted by Medical University of Warsaw, Poland and Department of Otolaryngology and Head and Neck Surgery, General Hospital Celje, Slovenia. August, 2021
5. Virtual Grand Rounds, Mayo Clinic, Department of Otolaryngology and Head Neck Surgery. Scottsdale, AZ. May, 2021
6. 27<sup>th</sup> RhinoEgypt and 12nd Pan-Arab Rhinology Society Virtual Meeting. March, 2021
7. Keynote Speaker: Surgical Management of Obstructive Sleep Apnea: The Stanford Strategy. Virtual Meeting of the Spanish Society of Otolaryngology. February 2021
8. Keynote Speaker: Innovation in Healthcare: Trends. Health Innovation Program at Pontificia Universidade Catolica-PR, PUC-PR, November 2020
9. Snoring 2020: Virtual Session at the AAO-HNSF 2020 Annual Meeting & Experience, September 2020
10. UCLA - Cedars Sinai Sleep Center Meeting Virtual Grand Rounds, September 2020
11. XI National Meeting, 1<sup>st</sup> Virtual Meeting of the Mexican Academy of Sleep Medicine, August 2020
12. II Healthtech Virtual Conference, University of Campinas (UNICAMP), August 2020
13. 26th Annual Advances in Diagnosis and Treatment of Sleep Apnea and Snoring Conference UCSF/Penn – San Francisco, CA, February 2020
14. XLI Curso Internacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello – Mexico City, DF, Mexico, February 2020
15. Massachusetts Institute of Technology – University of Sao Paulo Healthcare Innovation Conference – Keynote Speaker, Sao Paulo, Brazil, January 2020
16. Stanford Center for Innovation in Global Health – Improvement in Sleep Diagnostics in Global Health, Stanford, CA, January 2020
17. Stifel Medtech Meeting, Speaker on Sleep Panel, Laguna Beach, CA, December 2019
18. Samsung Digital Health Advisory Board Keynote Speaker on Sleep, Palo Alto, CA October 2019
19. Saint Louis Sleep Apnea Course, Saint Louis University School of Medicine, Saint Louis, MO: October 2019
20. American Academy of Otolaryngology, Head and Neck Surgery Annual Meeting. September 2019, New Orleans, LA.
  - a. HGNS: Challenging Cases: When it is not like the book.



21. Indian Sleep Societies Sleep Courses: Calcutta Sleep Course, Calcutta, India, August 2019
  - a. Keynote Speaker – The Future of Sleep Medicine
22. University of Bologna – Unit Forli Invited Keynote Speaker, Forli, Italy, June 2019.
  - a. Health Innovation: Why?
  - b. Fundamentals in Sleep Surgery
23. International Sleep Surgery Society Meeting, New York, April 2019
  - a. Digital Health and Sleep: An update.
24. VI Spanish National Course and III Ibero-American Course of OSAS, March 2019, Madrid, Spain
  - a. Physical Examination and Drug Induced Sleep Endoscopy
  - b. Digital Health and Sleep
  - c. Upper Airway Stimulation, Why, When, How
25. IESE Business School Guest Speaker- The need for Health Innovation: Why Biodesign? March 2019, Barcelona, Spain
26. Shenzhen ENT Hospital and Institute Grand Rounds. November 2018, Shenzhen, China
27. Guangdong Medical Association Sleep Medicine Forum Keynote Speaker. November 2018, Guangzhou, China
28. Mexican Congress of Otolaryngology. October 2018, Tijuana, BC, Mexico
29. American Academy of Otolaryngology, Head and Neck Surgery Annual Meeting. October 2018, Atlanta, GA.
  - a. Snoring: Remedies that Promise Silence
30. American Academy of Dental Sleep Medicine Advancements Course. Las Vegas, NV, October 6 2018
  - a. Decision Making Process for Targeted OSA Treatment
31. Saint Louis Sleep Apnea Course, Saint Louis University School of Medicine, Saint Louis, MO: September 14,15, 2018
32. Stanford Center for Digital Health: Advances in Health Tech Education. May 23<sup>rd</sup>, 2018. Stanford, CA
33. International Sleep Surgery Society Meeting, Munich, Germany, April 2018
  - a. Digital Health and Sleep: My Thoughts.
34. 24th UCSF and University of Pennsylvania Annual Course on Advances in Diagnosis and Treatment of Sleep Apnea and Snoring, San Francisco, CA, February 2018
  - a. What Can I do to Improve my Physical Examination?
  - b. Digital Health and Sleep: My Thoughts.

35. 99<sup>th</sup> Meeting of the American Association of Oral and Maxillofacial Surgeons; San Francisco, October 2017
  - a. Upper Airway Stimulation: Why, What is it, To Whom, How:
36. Brazilian Congress of Otolaryngology, Florianopolis, Brazil, September 2017
  - a. New frontiers in Sleep Care
  - b. Overview of Evidence in Sleep Surgery
  - c. OSA: Challenging Cases
  - d. Palatal Surgery, what is new.
37. Wearables and new technologies for sleep evaluation. International Sleep Surgery Society Meeting, Los Angeles, CA. May 2017
38. Hyoid Suspension and Maxillo-Mandibular Advancement. Saint Louis Sleep Apnea Course, Saint Louis University School of Medicine, MO. April 2017.
39. Guest Lecturer at the University of Montreal Research Day, Montreal, Quebec, Canada, March 2017
40. Sleep Surgery: A to Z –Instruction Course at the Annual AAO-HNS Meeting, San Diego, CA, September 2016
41. Surgery for OSA: More or Less. Hypopharyngeal Surgery - Session at the Annual AAO-HNS Meeting, San Diego, CA, September 2016
42. International Sleep Surgery Society Meeting – Sao Paulo, Brasil, April 2016
  - a. Challenging Surgical Patient
43. X Curso Internacional Clinicas las Condes – Sociedad Chilena de Otorrinolaringologia, Santiago, Chile, April 2016
  - a. Physical Examination in OSA
  - b. DISE: What is the usefulness
  - c. Innovation on OSA management
  - d. Upper Airway Stimulation. An Overview
44. 22<sup>nd</sup> UCSF and University of Pennsylvania Annual Course on Advances in Diagnosis and Treatment of Sleep Apnea and Snoring, San Francisco, CA, February 2016
  - a. What Can I do to Improve my Physical Examination?
  - b. Novel Options for Snoring and OSA.
45. Jikei University School of Medicine, Department of Otolaryngology and Head and Neck Surgery Grand Rounds, Tokyo, Japan, November 2015
  - a. Innovation in OSA
46. 4<sup>th</sup> Snoring and Sleep Apnea Course, Singapore General Hospital. Singapore, November 2015
  - a. Innovation in OSA
  - b. DISE: Review of the Evidence
  - c. Hypoglossal Nerve Stimulation.

47. Kyung Hee International Rhinologic Symposium: Current Enlightments and Future Perspectives in OSA. Seoul, South Korea, November 2015
  - a. OSA Surgery: From A to Z
  - b. The role of DISE
48. XV Brazilian Sleep Congress, Porto de Galinhas, Brazil, October 2015
  - a. Meta-analysis in Sleep Surgery
  - b. Overview of Evidence in Sleep Surgery
  - c. OSA: Challenging Cases
49. Congress of the Asociación Colombiana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Barranquilla, Colombia, May 2015
  - a. Cirugía para SAHOS: De la A a la Z
  - b. SAHOS en Pediatría
  - c. Cirugía Nasal en SAHOS
  - d. The Future of Otolaryngology
50. 16<sup>th</sup> World Congress of Rhinology from the International Rhinologic Society, 34<sup>th</sup> International Society of Inflammation and Allergy of the Nose Meeting. Sao Paulo, Brazil, April 2015
  - a. Drug Induced Sleep Endoscopy
  - b. Difficult cases in sleep surgery: Expert Panel
  - c. 5 Pearls that every sleep surgeon should know
51. 2<sup>nd</sup> Breathless Symphony: Snoring and OSA Treatment – Medipol Hospital. Universite Hastanesi School of Medicine, Istanbul, Turkey, March 2015
  - a. Maxillomandibular Advancement in OSA treatment.
  - b. How to handle difficult decisions: Case presentation
52. Grand Rounds at the Department of Anesthesiology, Stanford, CA, February 2015
53. Sleep Apnea and Snoring 2014 – 3<sup>rd</sup> International Seminar. Warsaw, Poland, December 2014
  - a. Evaluating the upper airway in the OSA patient.
  - b. Expert opinion: Sleep Apnea Surgery
54. Pediatric Sleep Apnea: A to Z. Capasso, R and Koltai P. Instruction Course at the Annual AAO-HNS Meeting, Orlando, FL, September 2014
55. Health Care Innovation Workshop, Pontificia Universidade Catolica, Curitiba-Parana-Brazil, August 2014
56. VIII Congress of the Rio de Janeiro Otolaryngology, Head and Neck Surgery Society. Buzios, RJ, Brazil, May 2014
  - a. Up to date OSA Surgical Management.
  - b. Making it palatable. When palate surgery is indicated.
  - c. Evaluating the upper airway in the OSA patient.
57. A Medical Career Abroad: Pros x Cons. Magna Lecture at the Surgery Department. Universidade Federal do Rio de Janeiro – RJ, Brasil, May 2014

58. LXIV Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello. Queretaro, Mexico, May 2014
  - a. Surgical Management of Pediatric OSA: Stanford's contribution
  - b. Update on Stanford's Protocol for OSA Surgical management
  - c. Evaluating the upper airway in the OSA patient.
  - d. Is there a role for Palatal Surgery?
  - e. The unclear link between the nose and OSA.
59. University of California San Francisco - 20<sup>th</sup> Annual Advances in Sleep Apnea and Snoring, San Francisco, CA, February 2014
  - a. Palatal Surgery: Outcome based review
  - b. Genioglossus advancement "once more" reviewed.
60. 26<sup>th</sup> Annual Meeting of the Japanese Stomato-Pharyngologic Society, Nagoya, Japan, September 2013
  - a. A Discussion in OSA Surgery
61. 1<sup>st</sup> Meeting of the Japanese Sleep Surgery Society, Nagoya, Japan, September 2013
  - a. Advances in OSA Surgery
62. Grand Rounds at the Department of Otolaryngology and Head and Neck Surgery, Kansai Medical University Osaka, Japan, September 2013.
  - a. OSA Surgery: The role of the otolaryngologist.
63. Hospital Angeles de Pedregal. "Let's Talk About Sleep with Dr Robson Capasso", Mexico City, DF, Mexico, August 2013
  - a. Pediatric OSA: What happens after T&A
  - b. Evaluation of upper airway in OSA patients.
  - c. Outcomes of OSA Surgery: What are we looking for:
  - d. What is new in OSA Surgery?
  - e. Multilevel surgery for OSA
64. 20<sup>TH</sup> International Federation of Otorhinolaryngology Societies Meeting, Seoul, South Korea, June 2013.
  - a. Pediatric OSA Surgery: An overview
  - b. OSA Surgery. Stanford's Perspective
65. 2<sup>nd</sup> Meeting of the European Academy of Otolaryngology and Head and Neck Surgery, Nice, France, April 2013.
  - a. OSA Surgery: My Thoughts
66. Department of Otolaryngology and Head Surgery Grand Rounds, Kayser Permanente, Oakland, CA, April, 2013
  - a. OSA Surgery: An Overview
67. I Sleep Medicine Course of the Colombian Society of Otolaryngology, Bogota, Colombia, December 2012
  - a. Upper Airway Evaluation in OSA Patients.
  - b. Nasal Surgery and OSA.
  - c. OSA Surgery: What to look for.
  - d. What's on the Horizon for OSA Surgery?

68. AAO-HNSF Annual Meeting & OTO EXPO, Washington, DC, September 2012
  - a. AHI: What it means, and where do we go from there.
69. World Congress of Sleep Apnea. Rome, Italy, August 2012
  - a. Nasal function and Sleep Disordered Breathing.
  - b. Snoring Management: When, What, How.
70. 1<sup>st</sup> Sleep and Craniofacial Course, San Antonio-TX, May 2012.
  - a. Upper airway evaluation and OSA.
  - b. Outcomes of OSA Surgery
71. Sleep Medicine and Polysomnography Symposium, Caguas, Puerto Rico, April 2012.
  - a. An Overview on OSA Surgery
72. XXXIII Curso Internacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello, Mexico City, DF, February 2012
  - a. Peri-operative management of OSA patients.
  - b. Innovations in OSA Surgery
73. Curso Actualidades en Apnea Obstructiva del Sueño, Hospital Angeles Lomas, Mexico City, DF, December 2011
  - a. An Overview in OSA Surgery
74. Grand Rounds at the Stanford Sleep Center for Sciences and Medicine, Department of Psychiatry, Stanford, CA, November 2011
  - a. A Critical Overview of OSA Surgery
75. Worldsleap 2011, World Sleep Federation Meeting, 36<sup>th</sup> Annual Meeting of the Japanese Society of Sleep Research, Kyoto, Japan, October 2011
  - a. Portable Monitoring in the Evaluation of OSA subjects
76. 14<sup>th</sup> International Rhinologic Society Meeting, 30<sup>th</sup> International Symposium in Infection and Allergy of the Nose, Tokyo, Japan, September 2011.
  - a. Nasal cycle and nasal - oral transitions during sleep.
77. 1<sup>st</sup> Ota Hospital Teleconference on Sleep Disorders Tokyo, Japan, September 2011
  - a. Mild OSA in children. Should we Treat?
78. O'Connors Hospital Grand Rounds, San Jose, CA, July, 2011
  - a. A Discussion on Sleep Apnea.
79. American Osteopathic College of Ophthalmology and Otolaryngology-Head and Neck Surgery Meeting, Tucson, AZ, May, 2011.
  - a. Tongue Base Surgery for OSA
80. UC Davis Department of Otolaryngology-Head & Neck Surgery Grand Rounds. Sacramento, CA, April, 2011.
  - a. A Discussion on OSA for the Otolaryngologist
81. Stanford Pediatric Otolaryngology Update Course. Stanford, CA, Feb, 2011.

- a. Mild OSA in Children Should Be Treated. Pro
82. Surgical techniques in craniofacial trauma, orthognathic, and sleep surgery. Stanford University, Division of Plastic and Reconstructive Surgery, Stanford, CA, October, 2010.
  - a. OSA Surgery. An Overview
83. Grand Rounds at the Department of Otolaryngology, Stanford University, Stanford, CA, October 2009.
  - a. OSA Surgery: A Discussion
84. Grand Rounds at the Sleep Medicine Division at Cleveland Clinic Foundation, Cleveland, OH, October 2008.
  - a. Neurophysiology of Sleep
85. Grand Rounds- Department of Psychiatry at the University of Miami Miller School of Medicine, Miami-FL, USA, 2008.
  - a. Sleep Medicine: What the Psychiatrist needs to know?
86. Grand Rounds, Department of Behavioral Health and Recovery Center, San Mateo Medical Center, San Mateo, CA, 2008.
  - a. Management of Insomnia
87. Grand Rounds- Department of Psychiatry at the University of Miami Miller School Of Medicine, Miami-FL, USA, 2007.
  - a. Pharmacologic management of Insomnia
88. IV International Meeting of Pediatric Otolaryngology at the Brazilian Pediatric Otolaryngology Association, Curitiba-PR, Brazil, 2002.
  - a. Endoscopic Sinus Surgery in the Pediatric Population
89. 58<sup>th</sup> Endoscopic Course and Rhinology - International Rhinologic Meeting, Sao Paulo-SP, Brazil, 2002.
  - a. Endoscopic Lothrop procedure
90. XXXVIII Brazilian Meeting of Otolaryngology - Florianopolis, SC, Brazil, 2002.
  - a. Radiology and Endoscopic Anatomy of the Paranasal Sinuses.
91. Grand Rounds- Department of Otolaryngology / Head and Neck Surgery - University of Miami Miller School of Medicine, Miami-FL, USA, 2001.
  - a. Photodynamic Therapy in Head and Neck Squamous Cell Carcinoma
92. IX Paranasal Sinuses Endoscopic Dissection Course. University of Sao Paulo, Sao Paulo-SP, Brazil, 2001.
  - a. Endoscopic Resection of Inverted Papilloma
93. I University of Sao Paulo Otolaryngology Meeting, Sao Paulo-SP, Brazil, 2001.
  - a. Endoscopic Medial Maxillectomy
94. Chandler Society Otolaryngology Meeting, Department of Otolaryngology, Head and Neck Surgery, University of Miami, FL, USA, 2001.
  - a. Photodynamic Therapy in Head and Neck Squamous Cell Carcinoma

## COMMUNITY SERVICE AND OTHER TEACHING AND MENTORING RELATIONSHIPS

### Global Teaching and Mentoring Activities:

2020 - ongoing: Hackmed: Mentoring and regular sessions with medical students on the required skills to practice medicine and entrepreneurship in health. Sao Paulo, SP, Brazil

2019 - Brazil at Silicon Valley: 04/08-09, Computer Science Museum in Mountain View, CA. Board Member.

This was considered "The event of the year" by the Brazilian press with participation of multiple industry, academic and investment key opinion leaders.

2018 - Hong Kong Dream Catchers Medtech Hackathon: 06/23-30, Hong-Kong

2018 - Stanford Biodesign in Brazil Bootcamp: Leader, Course Ideation, design and Implementation. Albert Einstein Hospital, 05/22-29, Sao Paulo, SP, Brasil

2016 - 2018 HIPUC: Health Innovation at PUC-PR: Leader, Course Ideation, design and Implementation. Pontificia Catholic University, Curitiba-PR, Brasil

### TEACHING AND MENTORING ACTIVITIES AT STANFORD

2018-current: Otoinnovation Lab co-lead: In partnership with Dr Peter Santa Maria, we provide time, mentorship to multiple teams of Biodesign trainees are currently tackling compelling ENT clinical needs. This work has fostered the creation of 5 companies by Stanford Biodesign Alumni.

2013-current Global Biodesign: Medical Technology in an International Context

2019- EENT Biodesign Innovation Course: Leader, Course Ideation, Design and Implementation. May 2019

2018- Biodesign Workshop: Pathway of Distinction Course for Stanford School of Medicine Residents. May 8, 2018

2016- Byers Center for Biodesign Global Faculty in Training: Physician Mentor

2016- HEALTH ++ - Stanford Healthcare Hackathon – Course design, Physician Mentor

### Stanford Sleep Surgery Fellows:

2021-22 Thomas Fleury Curado MD;

2021-22 Allen Huang MD; DDS

2020-21 Mohamed Abdelwahab MD;

2020-21 Courtney Chou MD; Assistant Professor, Mount Sinai Medical Center, NY

2019-20 Badr Ibrahim MD; Assistant Professor, University of Montreal, Quebec, Canada

2018-19 Michael Awad MD; Assistant Professor Northwestern School of Medicine, Chicago, IL

2017-18 Chris Gouveia, MD; Kayser Permanente, Santa Clara, CA

2016-17 Ryan Williams, MD, DDS; Harvard School of Dental Medicine, Cambridge, MA

2015-16	Soroush Zaghi, MD; Adjunct Assistant Professor, Sleep Surgery, University of California Los Angeles
2014-15	Carlos Torre-Leon, MD: Assistant Professor, University of Miami, Miami-FI
2013-14	Stanley Liu, MD: Assistant Professor, Stanford University, Stanford, CA
2012-13	Macario Camacho, MD: Chief, Sleep Surgery and Medicine, Tripler Army Medical Center, Honolulu, HI
2011-12	Fred Lin, MD: Associate Clinical Professor, Mount Sinai Medical Center, NY
2010-11	Jennifer Hsia, MD: Assistant Professor, University of Minnesota, MN

### Medical Students:

1. Anisha Kumar – Stanford, USA (clinical, academic development)
2. Casey Grant - Stanford, USA (clinical, academic development)
3. Victoria Novoa - Brazil (clinical, academic development)
4. Naoya Nishino – Japan (clinical, academic development)
5. Tymo Nakao – Brazil (clinical, academic development)
6. Isaque Kim – Brazil (clinical, academic development)
7. Grace Cho – Stanford, USA (clinic, research, Med Scholars Program)
8. Tais Camara - Brazil (clinical, academic development)
9. Vijay Kumar – Stanford (academic development)
10. Noel Ayoub – Stanford (academic development)
11. Javier Howard – U Cincinnati (academic development)
12. Beatriz Koch – Brazil (academic development)

### Otolaryngology Residents:

1. Flavio Oliveira M.D.
2. Javier Howard M.D.

### Postdoctoral:

1. John Axerio Cilies PhD – Stanford, USA (clinical immersion)
2. Sarit Singh M.E. – USA (clinical immersion)
3. Adrian Buganza M.E. PhD Candidate - Stanford, USA
4. Hardik Kabaria M.E. PhD Candidate – Stanford, USA

### International Observers and Research Scholars:

1. Patricia Enriquez, M.D. (Mexico)
2. Maria Pulido, M.D (Colombia)
3. Kevin Guzman, M.D (Colombia)
4. Danilo Rodrigues, M.D (Brazil)
5. Bettina Carvalho, M.D (Brazil)
6. Johann Valderrama, M.D (Colombia)
7. Shintaro Chiba, M.D (Japan)
8. Kyu-Sup Cho, M.D (South Korea)
9. DongCai Li, M.D (China)
10. Rodrigo Kohler, M.D (Brazil)
11. Yongdae Kwon, M.D; D.D.S (South Korea)
12. Zaw Dewji, M.D (Canada)
13. Jose Abdulatif, M.D (Argentina)



14. Lucas Ludwig, M.D (Brazil)
15. Murat Karaman, M.D (Turkey)
16. Lilian Scapol Monteiro, M.D (Brazil)
17. Joao Gomes, M.D (Brazil)
18. Phillip Lin, M.D (Taiwan)
19. Luke Harris, M.D (Canada)
20. Ordival Rosa, M.D (Brazil)
21. Cintia Rosa, M.D (Brazil)
22. Sarfaraz Banglawala, M.D (Canada)
23. Kayser Qureshi, M.D. (Canada)
24. Hong Juan, M.D. (Singapore)
25. George Boraks M.D.; D.D.S (Brazil)
26. Juan Reyes M.D. (Colombia)
27. Marcos Fernandez Barriales Lopez M.D.; D.D.S. (Spain)
28. Alexandre Ordones M.D. (Brazil)
29. Alen Wang Aik Loon M.D. (Singapore)
30. Chua Ai Ping M.D. (Singapore)
31. Ranjit Magherra M.D. (Singapore)
32. Ming-Chin Lan, M.D. (Taiwan)
33. Hsin-Pin Chang M.D.(Taiwan)
34. Jonathan Collier MA BM Bch BDS MFDS FRCS PhD (U.K.)
35. Florian Bast M.D. (Germany)
36. Stefano Mangili M.D. (Italy)
37. Rahul Modi M.D. (India)
38. Yung An Tsou M.D. (Taiwan)
39. Leh Kiong Huon M.D. (Taiwan)
40. Duen Lii Hsieh M.D. (Taiwan)
41. Vijhay Bidkar M.D. (India)
42. Luis Nercolini M.D. (Brazil)
43. Medhi Bakshae M.D. (Iran)
44. Ebrahim Razmpa M.D. (Iran)
45. Talita Rosa M.D. (Brazil)
46. Cristian Schauvinhold M.D. (Argentina)
47. Ahmet Omer Ikiz M.D. (Turkey)
48. Marcelo Scapuccin M.D. (Brazil)
49. Eduardo Couto M.D. (Brazil)
50. Larissa Nardelli M.D.(Brazil)
51. Ebtihaj Ghareeb M.D.(Saudi Arabia)
52. Jose Gomez M.D.(Mexico)
53. Shyam Kumar M.D. (India)
54. Danielle Pedreira M.D.(Brazil)
55. Hassana Fonseca M.D. (Brazil)
56. Rafael Malinsky M.D. (Brazil)
57. Luciane Mello M.D.(Brazil)
58. Michael Awad M.D. (Canada)
59. Ibrahim Badr M.D. (Canada)
60. Reihane Heidari M.D. (Iran)
61. Beatriz Albarracin M.D. (Spain)
62. Luis Felipe Castro Neves M.D. (Brazil)
63. Graeme Mullholand M.D. (Canada)
64. Victor Certal M.D. (Portugal)

65. Danielle Kobayashi MD (Brazil)
66. Nathane Zaninelli MD (Brazil)
67. Lina Benamira MD (Canada)
68. Margarita Reynolds MD (Argentina)
69. Courtney Chou MD (USA)
70. Alonco Cunha Viana Jr M.D. (Brazil)
71. Chen Zhao M.D. (China)
72. Saint Clair Magalhaes M.D. (Brazil)
73. Mario Nuno M.D. (Portugal)
74. Uri Alkan M.D. (Israel)
75. Eric Friedreich M.D.(Brazil)
76. Claudia Pena Galvao M.D. (Brazil)
77. Hendrikson de Souza MD (Brazil)
78. Miguel Perceval MD, DDS (Spain)
79. Masanori Yatomi MD (Japan)
80. Camila Uneda MD (Brazil)
81. Clarissa Castagno MD (Brazil)
82. Michael Hutz MD (USA)
83. Luiz Fernando Jaramillo MD (Ecuador)
84. Mariana Costa MD (Brazil)
85. Wojtek Kukwa MD (Poland)
86. Ankur Pareek MD (India)
87. Fernando Azevedo MD (Brazil)
88. Rebecca Castro MD (Brazil)
89. Thais Vasquez MD (Brazil)
90. Leonardo Metropolo MD (Brazil)
91. Suru Liu MD (China)
92. Maria Isabel Mendonca MD (Brazil)
93. Hyun Jun Kim MD (South Korea)
94. Xiao Li MD (China)
95. Giorgio Caetani MD (Brazil)
96. Sohil Gala MD (India)
97. Ahmed AISayed, MBBS (Canada)
98. Sandro Marques PhD (Brazil)