

CURRICULUM VITAE

NAME: Martin L. Hopp, M.D., Ph.D.

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<http://www.cedars-sinai.edu/Bios---Physician/H-O/Martin-L-Hopp-MD.aspx>

<http://www.discoveriesmagazine.org/the-bone-collector/>

CURRENT POSITION: Physician, C.E.O.
Tower Ear, Nose and Throat Medical Group
8631 W Third ST
Suite 440E

Medical Director
Cedars-Sinai *Sinus Center of Excellence*

Director
Cedars-Sinai *Sleep Apnea Treatment Center*

Administrative Director, Division of Otolaryngology
Cedars-Sinai Medical Center

PAST POSITION: Assistant Professor of Surgery
Division of Otolaryngology/Head and Neck
Stanford University School of Medicine

EDUCATION:

B.A.	Millikin University, Decatur, Illinois
Ph.D.	Experimental Pathology (Chemical Carcinogenesis) Northwestern University, Evanston, Illinois
M.D.	Northwestern University Medical School
Certificate	HealthCare Management Program, (“Mini-MBA”) UCLA Anderson School of Management

POSTDOCTORAL TRAINING

INTERNSHIP AND RESIDENCIES:

Intern in Surgery, Huntington Memorial Hospital/
University of Southern California, Pasadena, California
Resident in General Surgery, Huntington Memorial Hospital

University of Southern California, Pasadena, California

Resident in Otolaryngology, Massachusetts Eye and Ear Infirmary
Harvard Medical School, Boston, Massachusetts

FELLOWSHIPS:

Research Fellow, Department of Chemistry, Millikin University
Doctoral Fellow, USPHS Grant GM 00131, Northwestern University
Fellowship, Experimental Pathology, (Chemical Carcinogenesis) Medical Scientist
Training Program, Northwestern University Medical School

LICENSURE:

Diplomate, National Board of Medical Licensure Certificate #150637
California License #G-037521
Hawaii License # 17871

ACADEMIC APPOINTMENTS:

Clinical Fellow, Harvard Medical School
Assistant Professor of Surgery, Otolaryngology/Head and Neck
Surgery, Stanford University School of Medicine
Co-Chair, Stanford University Head and Neck Tumor Board
Co-Chair, Cedars-Sinai Head and Neck Tumor Board
Chief, Division of Otolaryngology/Head and Neck Surgery
Century City Hospital, Los Angeles, California
Secretary, Division of Otolaryngology, Cedars-Sinai Medical
Center
Administrative Director, Division of Otolaryngology, Cedars-
Sinai Medical Center
Director, Sinus Center of Excellence, Cedars-Sinai Medical
Center
Director, Cedars-Sinai Sleep Apnea Treatment Center

OTHER SIGNIFICANT APPOINTMENTS:

Co-Founder, Young Physicians Organization /
Young Physicians Charitable Foundation
Co-Founder E.N.T. Clinic, Los Angeles Free Clinic
(First Specialty Clinic Developed)
Member, Cedars-Sinai Medical Center Associates
(Major Charitable Support Group)
Chair, Star of David Society, United Jewish Fund
Board of Directors, Beverly Hills Physician Association
C.O.O, C.F.O. Beverly Hills Care
Board of Trustees, Cadre Network Health Financial
Services Liquid Asset Fund
President, InHouse Radiology Medical Group
Medical Advisory Board, Sinucare Inc.
Medical Advisory Board, G.E. Navigational Systems

Medical Advisory Board, SinuSys Corp.

State of California: *Science Advisory Board*
Appointed by Gov. Arnold Schwarzenegger,
Carcinogen Identification Committee, OEHHA

AWARDS AND HONORS:

Honor Award, American Academy of Otolaryngology / Head and Neck Surgery
(for distinction in research, seminars, course teaching, and committee work)
Alpha Omega Alpha (Northwestern University) General Research Award
Sigma XI - Graduate Research Symposium in the Medical Science, Finalist
Certificate of Recognition (for research), Illinois State Academy of Science
Master of Medicine, Otolaryngology, Los Angeles Business Journal
LA Magazine SuperDoctors
America's Top-Rated Physicians, Center for the Study of Services
Consumer's Checkbook Physician Excellence
Top Doctors in America
Guide to Top Doctors, Doctors Across America
US News and World Report, Top 25 Otolaryngology Programs in USA

HOSPITAL APPOINTMENTS

Attending Staff, Massachusetts Eye and Ear Infirmary, Harvard Medical School,
Boston, Massachusetts
Attending Staff, Brigham and Women's Hospital, Boston, Massachusetts
Attending Staff, Santa Clara Valley Medical Center, San Jose, California
Attending Staff, Stanford University Hospital
Attending Staff, Century City Hospital
Attending Staff, Olympia Medical Center, Los Angeles, California
Attending Staff, Cedars-Sinai Medical Center, Los Angeles, California

SIGNIFICANT COMMITTEE ASSIGNMENTS:

Co-Chairman, Head and Neck Tumor Board, Stanford University Hospital
Chairman, Co-Chairman, Head and Neck Tumor Board, Cedars-Sinai Medical Center
Chairman, Operative Room Laser Committee, Stanford University Hospital
Co-Chairman, Laser Safety Committee, Cedars-Sinai Hospital
Chairman, Sleep Disorders Committee (National), American Academy of Otolaryngology
/ Head and Neck Surgery
Student Associates, President, Northwestern Medical School
Judicial Review Committee, Stanford University Hospital
Faculty Senate, Stanford University Medical School, Surgery Representative
Department of Surgery Grievance Committee, Stanford University
Sleep Disorders Committee (National), American Academy of Otolaryngology
President, Los Angeles Sleep Society
Performance Improvement Committee (PIC), Dept. of Surgery, Cedars Sinai M.C.
Co-Chair Physician Advisory Committee (Epic Installation), Cedars-Sinai M.C.

CS-Link Clinical Content Committee
Healthcare Informatics Committee, Cedars-Sinai Med Center

MEMBERSHIPS / CERTIFICATIONS IN PROFESSIONAL SOCIETIES :

Alpha Epsilon Delta Honorary Society
Phi Delta Epsilon Medical Society (Past President)
Massachusetts Medical Society
Santa Clara County Medical Society
Los Angeles Sleep Society
American Medical Association
California Medical Association
American Academy of Sleep Medicine
American Academy of Otolaryngologic Allergy
Performing Arts Medicine Association
American Academy of Otolaryngology / Head and Neck Surgery
American Academy of Sleep Medicine
American College of Managed Care Medicine
American College of Physician Executives
American Board (College) of Forensic Examiners
American Rhinologic Society
International Sleep Surgeons Society

TEACHING EXPERIENCE:

Undergraduate Laboratory Director, Biology and Chemistry Department, Millikin University
Laboratory Instructor, Pathology Course, Northwestern University Medical School
Course Lecturer, Otolaryngology, Harvard Medical School
Course Director, Surgery 204, Otolaryngology/Head and Neck Surgery, Stanford University Medical School
Surgery Section Director and Lecturer, Otolaryngology, Head and Neck Diseases, Preparation for Clinical Medicine Course, Stanford University Medical School
Head and Neck Surgery Course for General Surgery Residents, Cedars-Sinai Medical Center
Emergency Medicine Lecture Series, Cedars-Sinai Medical Center

Course Directorships:

1. "Cedars Sinai Sinus Day, Practical Management of Sinus Disease", 2011, Cedars Sinai Medical Center, **Course Director**, 25 speakers, 30 presentations and cadaver dissection
2. "Sinus Day 2015, Sinus and Eustachian Tube Surgery, How I do It", 2015, Cedars Sinai Medical Center, **Course Director**, 27 speakers, 35 presentations, 2 cadaver dissection courses
3. Cedars Otolaryngology 2017, **Course Director**, 3 days
 - a. OSA for the CPAP Intolerant patient\
 - b. Sinus and Eustachian Tube Surgery

- c. ENT for the Primary Care Physician
- 4. **Sinus Forum - Planning Committee, Faculty**, Discussant leader, course co-director, Director of *Chalk Talk (Concurrent Online Expert Panel)*,
 - a. **Sinus Forum**, 2008, Chicago, 500 Participant
 - b. **Sinus Forum** 2009, Chicago, 750 Participants
 - c. **Sinus Forum**, 2010, Washington DC, 500 participants
 - d. **Sinus Forum** 2011, New York, 600 participants
 - e. **Sinus Forum**, 2012 New York, 550 Participants
 - f. **OPEN Forum**, 2013, Colorado Springs. 350 Participants
 - g. **OPEN Forum** 2014, New York, Attendance 400
 - h. **OPEN Forum**, 2015, New York, Attendance: 450
 - i. **OPEN Forum, Minimally Invasive Surgery** 2016, Sarasota, Fl.
 - j. **OPEN Forum, Minimally Invasive Surgery**, 2017, Sarasota, Fl

MAJOR RESEARCH INTERESTS:

1. Computer – Image Guided and Other Sinus Surgery Techniques
2. Chemical Carcinogenesis in the Head and Neck
3. Chemotherapy for Head and Neck Tumors
4. Obstructive Sleep Apnea Syndrome

BIBLIOGRAPHY:

Journals:

1. Hopp ML, Bredar T. Weatherbee C: Mannich condensations of parachlorthiopenal. Proc III State Acad Science 1970; 63:10
2. Oyasu R, Kitajima T, Hopp ML, Sumie H: Enhancement of urinary bladder tumorigenesis in hamsters by coadministration of 2-ace-tylaminofluorene and indole. Cancer Res 1972; 32:2027-2033.
3. Oyasu R, Kitajima T, Hopp ML, Sumi H: Induction of bladder cancer in hamsters by repeated intratracheal administration of 2-acetylaminofluorene. J National Cancer Inst 1973; 50:503-506
4. Oyasu R, Hopp ML: The etiology of cancer of the bladder. Surg Gynecol Obstet 1974; 138:97-108.
5. Hopp ML, Matsumoto M, Wendell B, Lee C, Oyasu R: Suppressive role of indole on 2-acetylaminofluorene hepatotoxicity. Cancer Res 1976; 36:234-235.
6. Matsumoto M, Hopp ML, Oyasu R: Effect of pair feeding of carcinogen on the incidence of bladder tumors in hamsters. Role of indole, age, sex. Invest Urol 1976; 14:206-209.
7. Oyasu R, Manning D, Matsumoto M, Hopp ML: Heterotopic urinary bladder with a communicating reservoir. Cancer Res 1976; 3:2261-2267
8. Hopp ML, Matsumoto M, Lee C, Oyasu R: Absorption and protein binding of N-2 Fluorenylacetamide and its metabolites in the bladder of the rabbit. J National Cancer Ins 1977; 58:281-285
9. Matsumoto M, Oyasu R, Hopp ML, Kitajima T: Suppression of dibutyl nitrosamine-induced bladder carcinomas in hamsters by dietary indole. J National Cancer Inst 1977; 58:1825-1829
10. Brown BM, Enzmann DR, Hopp ML, Castellino RA: Digital subtraction laryngography. Radiology 1983; 147:655-675.

11. Fee, Jr. WE, Goffinet Dr, Goode RL, Hopp ML, Levine PA, Paryani S: Intraoperative iodine implants in large tumors of the neck attached to the carotid artery. Arch Otolaryngol 1983; 109:727-730.
12. Hopp ML, Montgomery WW: Primary and secondary keratomas of the frontal sinus. Laryngoscope 1984; 94:628-632.
13. Fee WE, Glenn M, Handen C, Hopp ML: One day versus two days of prophylactic antibiotics in patients undergoing major head and neck surgery. Laryngoscope 1984; 612-614.
14. Hopp ML, Brown BM, Castellino RA, Enzmann DR, Levine PA: Assessment of laryngeal functions by digital subtraction laryngography (DSL). Otol Head and Neck Surg. 1985; 93:512-516
15. Paryani SB, Goffinet DR, Fee WE Jr, Goode RL, Levine P, Hopp ML: Iodine 125 suture implants in the management of advanced tumors in the neck attached to the carotid artery. J Clin Oncol 1985 3(6):809-12.
16. Smith MF, Hopp ML: 1984 Santa Barbara State-of-the-Art Symposium on Otosclerosis. Results, conclusions, consensus Ann Otol Rhinol Laryngol 1986 95:1-4
17. Shellock FG, Schatz CJ, Julien PM, Silverman JM, Steinberg F, Foo TK, Hopp ML, Westbrook PR: Dynamic study of the upper airway with ultrafast spoiled GRASS MR imaging J Magn Reson Imaging. 1982 Jan-Feb, 2(1):103-7.
18. Shellock FG, Schatz CJ, Julien P, Steinberg F, Foo TK, Hopp ML, Westbrook PR: Occlusion and narrowing of the pharyngeal sleep apnea: evaluation by ultrafast spoiled GRASS MR imaging. American Journal of Roentgenology. 1992 May, 158(5):1019-24.
19. Kulber DA, Aframian D, Hopp ML, Hiatt JR: Orbital Impalement by a gearshift knob: Case Report. ENT Jour 1992 71:596-598.
20. Yeh V, Hopp ML, Goldstein NS, Meyer RD: Herpes simplex chronic laryngitis in vocal cord lesions in a patient with acquired immunodeficiency syndrome. Ann Otol Rhinol Laryngol 1994, 103:726-728.
21. Suh RH, Margulies DR, Hopp ML, Ault M, Shabot MM: Percutaneous Dilational Tracheostomy: Still a Surgical Procedure. The American Surgeon 1999 65:982-986.
22. Walker RP, Levine HL, Hopp ML, Greene D, Pang, K: Palatal Implants: A new approach for the treatment of obstructive sleep apnea Oto-H&NS 2006 135:549-554
23. Walker RP, Levine HL, Hopp ML, Greene D: Extended follow-up of palatal implants for OSA treatment. Oto-H&NS 2007 137:822-827
24. Levine HL, Sertich AP, et.al.: Multicenter registry of Balloon Catheter Sinusotomy Outcomes for 1,036 patients. Ann Otol Rhinal Laryngol 2008 117(4):263-270.
25. Hopp ML, Nasser, et.al: Long Term Outcomes in FESS. Laryngoscope, pending
26. Hopp, ML, et al; Evidence Based Long Term Outcomes of Endoscopic Sinus Surgery, Oto-H&NSurg, date pending
27. Freedland S, Bliwise D, Hopp M, et al; Nocturia is associated with increased risk of death: results from the REDUCE: AUA Journal of Urology pending date
28. Branche BL et al, Sleeping problems are associated with development and progression of lower urinary tract symptoms: Results from REDUCE; J Urol. 2018 Feb;199(2):536-542
29. Petrovic M, Shamsian A, Hopp M, et al; Evaluating the Efficacy and Trend of Sinus

Surgery; Otolaryngology / Head and Neck Surgery, pending

30. Jara S, Hopp M, Weaver E: Impact of CPAP on Sexual Quality of Life: JAMA Otolaryngology. 2018;144(7):551. doi:10.1001/jamaoto.2017.1961
31. Epstein JB, Kupferman SB, Zabner R, Rejali A, Hopp ML, et al; Early diagnosis and successful management of oral mucormycosis in a hematopoietic stem cell transplant recipient: case report and literature review Support Care Cancer. 2016 Aug;24(8):3343-6

Abstracts

1. Oyasu R, Kitajima T, Sumi H, Hopp ML: Enhancement of tumorigenesis in the urinary bladder of hamsters by coadministration of 2-acetylaminofluorene (AAF) hepatotoxicity in the rat. Proc Am Assoc Cancer Res 1974; 15-59.
2. Oyasu R, Hopp ML, Matsumoto M: Suppressive role of indole (I) on 2-acetylaminofluorene (AAF) in the rat. Proc XI Internatl Cancer Congress 1974; 3:336.
3. The reactivity of 2-acetylaminofluorene (AAF) and its metabolites in the rabbit of urinary bladder: Their absorption and binding to tissue micromolecules. Proc AM Assoc Cancer Res, 1976; 19:204.

Book Reviews:

1. Hopp ML, book critique: Donald PJ, Head and Neck Cancer: Management of the Difficult Case, WB Saunders, 1984: Annals of Pl Surg
- 2 Editorial Review Board, JAMA, Otolaryngology
- 3 Editorial Review Board, Otolaryngology / Head and Neck Surgery
- 4 Editorial Review Board, Laryngoscope

Movie / TV Consultant:

Group One Medical
The Doctor
Grey's Anatomy
Private Practice
ER

Poster Presentations:

1. Deneberg S, Hopp ML, Silverberg GS: Primary keratomas of the petrous apex. Presented at Amer Acad of Oto Annual Mtg, Anaheim, CA, Oct 23-28, 1983.
2. Hopp, Martin L., Quinn, Timothy: Inter-Individual variation in Benz (A) pyrene metabolism. Am Society for Head and Neck Surgery, Dorado, Puerto Rico, May, 1985.

Book Chapters:

1. Hopp ML: The Neck: In StromeM, Kelly J, Fried M (eds): Otolaryngology. Little, Brown and Company. 1989.
2. Hopp ML: Snoring and Obstructive Sleep Apnea: In Gluckman JL Renewal of Certification Study Guide in Otolaryngology Head and Neck Surgery Kendall/Hunt Publishing Co. 1998

Grants

1. NIH Grant #2S07 RR 05485, Induction of laryngeal tumors in Syrian golden hamsters. \$3,300, 1981-1982. Program Director - Dr. H.F. Schuknecht.
2. NIH Grant #2S07 RR 05353-22 Carcinogen metabolism in the larynx, \$5,000, 1983-1984, Principal Investigator - Dr. D. Pupura.

3. NIH Grant #2S07 RR 5353-22, Aryl hydrocarbon hydroxylase (AHH) in the animal larynx, \$10,000, 1983-1984, Principal Investigator - Dr. D. Pupura.
4. American Cancer Society #IN32X, Benzo (a)pyrene metabolism in the head and neck cancer patients, \$3,500, 1984-1985, Program Director - Dr. J. Martin Brown.
5. NIH Grant #2S07 5353-23, Carcinogen metabolism in the oral and larynx mucosa explants, \$9,900, 1984-1985, Principal Investigator - Dr. D. Kron.
6. NCI, via Northern California Cancer Program, #19408, Biochemical susceptibility of head and neck cancer patients, \$14,860, 1985-1986, Principal Investigator - Dr. Martin Hopp. (Unused funds returned).

Presentations, Guest Lectures and Appointments (Partial List):

Carcinogen metabolism by the urinary bladder; in vitro and in vivo studies. Workshop on Bladder Epithelium, National Bladder Cancer Project, The National Cancer Institute (Invited Seminar Leader).

Colloquium: Aspects of chemical carcinogens.

Stanford University, Division of Otolaryngology/Head and Neck Surgery.

Laryngeal carcinogenesis. Tenth Anniversary Meeting and One-Day Review Course, Department of Otolaryngology, University of California, Davis (Guest Faculty).

Multiple primaries in head and neck cancer patients, Peninsula ENT Society (Guest Speaker).

Metachronous tumor in head and neck patients., Grand Rounds, Stanford University:

Sinusitis, California Medical Association Annual Meeting, Anaheim, California (Invited).

Surgical treatment of Meniere's Disease., California Medical Association Section on Otolaryngology, Anaheim, California (Invited).

Stanford University Alumni Research Forum, Stanford University., Carcinogen metabolism in head and neck cancer (Faculty Speaker).

University of Lund, Malom, Sweden: (Invited), Aryl hydrocarbon hydroxylase activity in head and neck cancer patients

Head and Neck Flap Reconstruction, Stanford University Grand Rounds.

Honored Guest and Judge, Bay Area Tumor Institute, Resident Research Symposium.

Current Concepts in Sleep Apnea, Postgraduate Education Course Lecture, Mill Medical Center, San Mateo, California.

Diagnosis and Management of Sleep Apnea Syndrome, Course in Postgraduate Education, Merced Community Hospital, Merced, California.

Phonosurgery Course -Principles and Planes for Surgery of Benign Vocal Cord Lesions and Conditions; Drs. Feder, Hopp, and Ossoff; American Academy of Otolaryngology/Head and Neck Surgery, San Antonio, Texas.

Surgery for Sleep Apnea; Cedar-Sinai Medical Center, Pulmonary Grand Rounds

Snoring and Sleep Apnea; Midway Hospital Medical Center, Medical Grand Rounds

Fiberoptic Endoscopy; Cedars-Sinai Medical Center, Emergency Room Grand Rounds,

Faculty, Practical Laser Surgery in Otolaryngology/Head and Neck Surgery; Teaching Course, UCSB, Santa Barbara, California

Advances in Sleep Apnea; Midway Hospital Medical Center, Pulmonary Grand Rounds Los Angeles, California, Surgical Treatment of Sleep Apnea; Tarzana Medical Center, Grand Rounds

Techniques in Phonosurgery; International Phonosurgery Symposium, Cairo, Egypt (Invited Speaker)

Laser Use for Laryngeal Disorders; International Phonosurgery Symposium, Cairo, Egypt (Faculty, Invited)

Phonosurgery Course-Principles and Planes for Surgery of Benign Vocal Cord Lesions and Conditions; Drs. Hopp, Ossoff and Feder; American Academy of Otolaryngology/Head and Neck Surgery, Chicago, Illinois

Surgical Treatment of Sleep Apnea :Otolaryngology/Head and Neck Surgery
Cedars Sinai Medical Center, Department Rounds

Surgical Treatment of Sleep Apnea :Pulmonary Grand Rounds,
Cedars Sinai Medical Center, 2005 & 2007

-----Listing of other presentations on the Treatment of Obstructive Sleep Apnea, Surgical Treatment of Sinusitis, and Head and Neck Cancer available on request-----

Significant Head and Neck Cancer Experience (brief synopsis)

1. Attending Physician, Surgeon, Cedars Sinai Medical Center Head and Neck Cancer Center of Excellence, 3007-Current.
2. Fellowship, Northwestern University Medical School, **Ph. D. in Chemical Carcinogenesis** (Experimental Pathology) 1974-76.
3. Complete Residency in Otolaryngology / Head and Neck Surgery, Massachusetts Eye and Ear Infirmary, Harvard Medical School, including mentorship by Dr. William Montgomery (resulting in co-authored paper).
4. Co-Chair, Stanford University Medical Center Head & Neck Tumor Board, Assistant Professor of Surgery, Div. of Otolaryngology.

Including Surgery on Head and Neck Tumor Board patients, participating with and supervising residents during all major head and neck cancer operations including composite resections, myo-cutaneous flap reconstruction, over 500 cases.

5. Co-Chair, Cedars Sinai Head & Neck Tumor Board
6. Over 20 years experience and more than 1500 Head and Neck tumor operations performed at Cedars-Sinai Medical center with outstanding results and patient satisfaction.
7. See below published activity developing original surgical techniques and participation in clinical studies regarding radiation implants as well as antibiotic selection in patients with Head and Neck Cancer.
8. Original research in carcinogenesis, listed above. ~15 articles in peer-reviewed journals on basic science, advanced surgical techniques, and clinical studies involving various aspects of Cancer.
9. Multiple lectures, invited (academic) and to the community, as listed below, on various Head & Neck Cancer topics, including etiology, flap reconstruction, voice restoration and patient care.
10. Recipient of several research studies grants listed below to investigate Laryngeal Carcinogenesis.
11. Carcinogen Identification Committee, Science Advisory Board, State of California. Appointed by Gov. Schwarzenegger , 2004-current.
12. Oncology Nurse Core Curriculum Course, CSMC, *Head and Neck Cancer, Overview of Diagnosis and Treatment*, 2004-current, yearly lecture.

Significant Sinus Disease Experience (brief synopsis)

1. Medical Director, Cedars-Sinai SINUS Center of Excellence, 2008 - Current.
2. Surgeon, Cedars-Sinai SINUS Center of Excellence
3. *Fellowship*, Northwestern University Medical School, *Chemical Carcinogenesis* (Experimental Pathology, Ph.D.) 1974-76.

4. Residency in Otolaryngology / Head and Neck Surgery, Massachusetts Eye and Ear Infirmary, *Harvard Medical School*, including mentorship by Dr. William Montgomery (resulting in co-authored paper).
5. Assistant Professor of Surgery, Otolaryngology / Head and Neck Surgery, *Stanford University*, responsibilities included teaching Sinus Surgery to residents.
6. First Surgeon to perform *Image Guided Sinus Surgery* in the Western United States, ("Insta-Trak" Image Guidance System used), Cedars Sinai, 1997
7. First Surgeon to perform *Computer-Directed Sinus Surgery* in California, 1997(FDA approved).
8. Over 20 years experience and more than *1,000 Sinus operations* performed at Cedars-Sinai Medical Center and other Los Angeles locations with outstanding results and patient satisfaction.
9. *Honor Award*, 2006, American Academy of Otolaryngology-Head and Neck Surgery, for distinguished service in Scientific programs, Exhibits, Continuing education courses, and Instructional courses of the Society
10. *Author* and Co-author of multiple peer-reviewed publications describing original surgical techniques, research, clinical studies, Sinus Surgery Techniques and Sinus Disease.
11. Guest *Lecturer* on Sinus Disease and Sinus Surgery at multiple hospitals, lay – community, and medical centers throughout the U.S. A.
12. Only California participant in FDA *Research* Protocol, "Computer Directed Sinus Surgery", 1996-97.
13. Multicenter Clinical *Investigator*, Sinusotomy Outcomes Patient Registry Participant, 2006-current.
14. Clinical Trial lead investigator, "Efficacy and Safety of Computer-Directed Sinus Surgery" IRB approved, (Cedars-Sinai), Human Subjects research, completed.
15. Clinical trial leader, "Deliver" Ethmoid Sinus Drug Delivery System, IRB approved 9/08 – Current.
16. Physician Training course Lead Lecturer and Teacher, Computer Directed Sinus Surgery (taught over 200 physicians throughout the USA)), including a private course for the Cedars-Sinai Division of Otolaryngology, 1998.
17. Balloon Sinuplasty Technique Course Lecturer and Teacher, multiple courses throughout the US, including Cedars-Sinai Medical Center Division of Otolaryngology 2008.

18. Balloon Sinuplasty Surgeon Training Course, *Acclarent* Corp, 2006, First Procedure Study Group, Southern California
19. International *Sinus Forum* Panel, Invited Leader, Speaker, 2007, 2008, 2009, 2010 Topics: Management of Sleep Apnea Patients, Steroid Use in Nasal Polyp Patients, Surgical Management of the Sphenoid Sinus
20. *U.S.C.* Advanced Endoscopic Sinus Surgery Course, Cadaver Dissection Instructor, 2006, 2007, 2008, 2014, 2015
21. *Science Advisory Board, State of California.* Appointed by Gov. Schwarzenegger , 2004-Current.
22. Program Coordinator, Guest Speaker: Practical Management of Sinus Disease, sinus Surgery: How I Do It, March, 2011, Cedars-Sinai Medical Center, Los Angeles, CA.
23. Course Director, *SINUS DAY, Surgery, How I Do It*, Cedars-Sinai Medical Center, 2011, 2015
24. Planning Committee and Faculty, *Sinus Forum / Open forum*, 2008-2015
25. See CV attached for further documentation and experience .

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Martin L. Hopp, M.D., Ph.D.

Sleep Apnea Experience (brief synopsis)

1. **Director**, Cedars-Sinai OSA Treatment Center, a Center of Excellence
2. Colleague, Co-worker for three years with Dr. Blair Simmons, one of the developers of the Uvulopalatopharyngoplasty, and other Sleep Research.
3. Assistant Professor of Surgery, Stanford Medical Center (Otolaryngology)
4. Surgical experience, in the operating room, with Drs. Nelson Powell and Robert Riley learning and doing various mandible, neck and operations for Obstructive Sleep Apnea, intermittently during the last 20 years.

5. Course: Contemporary Surgical Concepts and Techniques in Obstructive Sleep Apnea, Stanford University
6. Course: Somnoplasty System Course
7. **Co-Founder**, Cedars-Sinai Sleep Disorders Center
8. Surgical Coordinator, Cedars Sinai Sleep Disorders Center
9. **President**, Los Angeles Sleep Society
10. Member, Sleep Disorders Committee, American Academy of Otolaryngology / Head and Neck Surgery, 1990 to current
11. **Chairman**, Sleep Disorders Committee, American Academy of Otolaryngology / Head and Neck Surgery
Developed Academy Clinical Indicator Guidelines for Uvulopalatopharyngoplasty, Laser Assisted Palatoplasty, and the initial draft for Mandible Advancement, Hyoid Suspension operations

Moderated and presented at multiple Sleep Disorders Committee Academy Presentations on the Medical Update of Obstructive Sleep Apnea, (>1,000 member audience)

Worked with the American Sleep Disorders Association in development of surgery guidelines for Laser Assisted Uvulopalatoplasty
- 12: **Founding Member** International Sleep Surgeon Society
- 13 .Panel and Presenter, LAUP Case Study of Technology Assessment, Annual Meeting of the American Academy of Otolaryngology / Head and Neck Surgery 1995
14. Participant representing Cedars Sinai Sleep Disorders Center and completion of the IRB Application at Cedars Sinai for the Obstructive Sleep Apnea Outcomes Pilot Study, sponsored by the American Academy of Otolaryngology / Head & Neck Surgery
- 15 Participant and Lecturer in multiple Education Courses at Cedars Sinai on the Surgical Treatment of Obstructive Sleep Apnea
- 16 Research in the development of patient selection National Guidelines for Obstructive Sleep Apnea surgical procedures

- 17 Author, Obstructive Sleep Apnea section of the study guide (MOC) for the Board of Otolaryngology/ Head and Neck Surgery certification renewal test

CURRICULUM VITAE

(Synopsis)

Significant Hearing / Performing Arts Medicine Experience

1. Director, Founder, and Lecturer, Course on Performing Arts Medicine, Colburn Music School, 2007-2010
2. Lecturer, Educational Course, Medical Problems of Performing Artists; American Academy of Otolaryngology Annual Meeting, 1985-87, intermittently since then.
3. Phonosurgery Course-Principles and Planes for Surgery of Benign Vocal Cord Lesions and Conditions; Drs. Hopp, Ossoff and Feder; American Academy of Otolaryngology/Head and Neck Surgery, Chicago, Illinois
4. Techniques in Phonosurgery; International Phonosurgery Symposium, Cairo, Egypt (Invited Speaker)
5. Guest Lecturer, Surgical Treatment of Meniere's Disease. See bibliography

6. Member, Performing Arts Medicine Association
7. Peer-reviewed, published articles on hearing loss due to Otosclerosis, Presbycusis, and Meniere's Disease. See bibliography.
8. Otolaryngology Research, Hair Cell loss in various cochlear reconstructions, Dr. Harold Schuknecht, Department of Otolaryngology, Harvard Medical School.
- 9.
10. *Honor Award*, 2006, American Academy of Otolaryngology-Head and Neck Surgery, for distinguished service in Scientific programs, Exhibits, Continuing education courses, and Instructional courses of the Society
11. *Science Advisory Board, State of California*. Appointed by Gov. Schwarzenegger, 2004-Current.
12. President, Tower Ear and Hearing Institute
13. Otolaryngologist, Cedars-Sinai Medical Center
14. See CV attached for further documentation and experience.