

# RONEN NAZARIAN, MD

Otologist & Skull Base Surgeon

## CURRENT POSITIONS:

### Founder, CEO

Center for Advanced Ear Surgery. Beverly Hills, CA.

### Attending Surgeon

Cedars Sinai Medical Center. Los Angeles, CA.

## BOARD CERTIFICATION:

Certified by the American Academy of Otolaryngology Head & Neck Surgery (Expires 2025)

## EDUCATION& TRAINING

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### Otology Fellow

Ear Research Foundation at the Silverstein Institute- Sarasota, Florida (July 2014- June 2015)

### Resident Physician

University of Miami: Department of Otolaryngology, Head and Neck Surgery (June 2009-June 2014)

- Appointed Administrative Chief Resident (2013-2014)

### M.D., USC Keck School of Medicine (August 2005— May 2009)

- Alpha Omega Alpha (AOA) Medical Honor Society (2008-present)
- Dean's Recognition, Junior-Senior Continuum (2007-2009)
- Dean's Recognition, Freshman Year (2005-2006)
- Faculty Wives and Friends Scholarship (2007)
- Honorable Recognition. Medical Research Forum (2007)

### B.S., University of California Los Angeles (September 2001—June 2005)

Major: Microbiology, Immunology, and Molecular Genetics

Minor: Political Science

- *Magna Cum Laude* Graduate
- Dean's Honor Roll (all 4 years)
- College Honors
- Faculty Scholarship (2002)
- *UCLA Rotaract Club* Vice President 2004, District Representative 2005
- *Sigma Pi Beta* Vice President (2005)
- *Golden Key Honor Society* Vice President (2004-2005)

## PRESENTATIONS, RESEARCH & PUBLICATIONS

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### ABSTRACTS & PRESENTATIONS:

- Minimally Invasive ENT Conference. Invited Speaker. Sarasota, Florida. April 2024.
- Colegio Mexicano de Otolología, Neuro-Otología y Cirugía de Base de Cráneo A.C. Invited International Speaker: *Cirugía de la Otosclerosis: Lecciones Inspiradoras desde el pasado*". Mexico. Feb 29<sup>th</sup> 2024.
- National Otolaryngology Academy of Mexico 2023 (FESORMEX). Guest International Speaker. *Various Lectures*. Chihuahua, Mexico. October 2023.
- Cochlear® Audiology Foundations Course: *How to Start a Cochlear Implant Program*. October 2023.
- Osborne Foundation Medical Scholars Program: Course lecturer and lab instructor. June 2023.

- Cochlear Implant Providers Network Roundtable: *Moving from Candidacy to Proficiency*. June 2023.
- Hearing Healthcare Providers. Invited Guest Surgeon: *Getting Into the Cochlear Implant Club*. May 2023.
- Cedars Sinai: ENT for the Non-ENT Provider 2023: *Moderator: Otology / Ear Session*. Planning Committee & Lecturer. Cedars Sinai Medical Center. Los Angeles, CA. February 2023.
- Cedars Sinai Conference: *Eerie ENT Cases: Expert Otology / Ear Surgery Panel*. Planning Committee & Moderator. Cedars Sinai Medical Center. Los Angeles, CA. October 2022.
- Annual Medical Conference: ENT for the Non-ENT Provider 2022. *Diagnosis and Management of Otitis Media with Effusion*; Planning Committee & Lecturer. Cedars Sinai Medical Center. Los Angeles, CA. January 22<sup>nd</sup>, 2022.
- Cedars Sinai Advanced Otolaryngology 2021: Planning committee member & moderator of Otology Session. Presenter: *Three Useful Techniques for Ear Surgery in the Office Setting*. Cedars Sinai Medical Center. Los Angeles, CA. March 13<sup>th</sup>, 2021.
- Cedars Sinai Grand Rounds: Stapedectomy and the Treatment of Otosclerosis. Los Angeles, CA. June 2021.
- Annual Medical Conference: *Eerie ENT Cases: Ear Panel*. Planning Committee & Moderator. Cedars Sinai Medical Center. Los Angeles, CA. October 23<sup>rd</sup>, 2021.
- Annual Medical Conference: ENT for the Non-ENT Provider 2021. *Diagnosis and Management of Vertigo*; Planning Committee & Lecturer. Cedars Sinai Medical Center. Los Angeles, CA. January 23<sup>rd</sup>, 2021.
- Annual Medical Conference: *Eerie ENT Cases: Ear Panel*. Planning Committee & Moderator. Cedars Sinai Medical Center. Los Angeles, CA. October 24, 2020.
- California Academy of Audiology 21<sup>st</sup> Annual Conference: *The Latest Updates on Adult Cochlear Implant Surgery and Patient Selection*. Guest Speaker. September 12, 2020.
- National Otolaryngology Academy of Mexico 2019 (FESORMEX): *Trompa de Eustaquio Patulosa: Diagnostico, Tratamiento, y Nuevas Opciones Quirurgicas*. Guest International Speaker. Guadalajara, Mexico. October 25, 2019.
- Cedars Sinai Otolaryngology Conference 2019: *Patulous Eustachian Tube - Diagnosis, Management, and Novel Surgical Options; Eustachian Tube Dysfunction; Endoscopic Ear Surgery*. Planning committee, presenter & moderator. Cedars Sinai Medical Center. Los Angeles, CA. March 16, 2019.
- Annual Medical Conference: ENT for the Non-ENT Provider 2019. *Diagnosis and Management of Vertigo; Otology Skills Lab*. Planning Committee & Lecturer. Cedars Sinai Medical Center. Los Angeles, CA. March 17, 2019.
- Annual Medical Conference: *Eerie ENT Cases: Ear Panel*. Planning Committee & Moderator. Cedars Sinai Medical Center. Los Angeles, CA. October 27, 2018.
- Annual Medical Conference: *ENT for the Non-ENT Provider*. Planning Committee & Speaker. Cedars Sinai Medical Center. Los Angeles, CA. March 10, 2018.
- AMSA 6<sup>th</sup> Annual Pre-Health Symposium: *What is it like to be a surgeon?* College of the Canyons. Santa Clarita, CA. May 12, 2018.
- **Nazarian R**, Draper K, Daugherty J, Thompson J, Wazen J. *Comparison Study of Hydroxyapatite-Coated Versus Non-Coated bone Anchored Hearing Abutments*. 5<sup>th</sup> International Congress on Bone Conduction Hearing and Related Technologies. Lake Louise, Canada. May 2015.
- Draper K, **Nazarian R**, Daugherty J, Thompson J, Wazen J. *Expanding the Indications for the Bone Anchored Hearing System (BAHS)*. 5<sup>th</sup> International Congress on Bone Conduction Hearing and Related Technologies. Lake Louise, Canada. May 2015.
- **Nazarian R**, Draper K, Wazen J. *Role of MAXUM Implant in Patients with Contralateral Cochlear Implant*. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. Dallas, Texas. Sept 2015.
- Silverstein H, Wazen J, Daugherty J, Ojo R, **Nazarian R**. *Round and Oval Window Reinforcement for the Treatment of Severe Hyperacusis*. American Neurotology Society: 51<sup>st</sup> Annual Spring Meeting. Chicago, Illinois. May 2016.
- **Nazarian R**, Sargi Z. *Head & Neck Melanoma and Sentinel Lymph Node Biopsy*. University of Miami Grand Rounds. May 2011.
- **Nazarian R**, Younis R. *Management of Stridor in the Pediatric Patient*. UM Grand Rounds. Dec 2011.
- **Nazarian R**, Eshraghi A. *Cochlear Implants in Children with Disabilities*. UM Chandler Research Meeting. June 2011.
- Eshraghi A, **Nazarian R**, Telischi F, Balkany T. *Obstacles and Outcomes of Cochlear Implantation in Children with Mental Disabilities: An Institutional Review*. Presented at 2011 European Academy of ENT
- **Nazarian R**, Weed D. *Current Concepts in Immunotherapy for Head & Neck Cancer*. UM Grand Rounds. March 2012.
- **Nazarian R**, Weed D. *Retrospective Analysis of Tumor Infiltrating Leukocytes in Head and Neck Squamous Cell Carcinoma*. UM Chandler Research Meeting. June 2012.

- **Nazarian R**, Arnold D. *Update in Calcium Management for Total Thyroidectomy Patients*. UM Grand Rounds. July 2012.
- **Nazarian R**, De la Fuente A, Gomez C, Serafini P, Weed D. *Retrospective Analysis of Tumor Infiltrating Leukocytes in Head and Neck Squamous Cell Carcinoma*. Presented at American Head and Neck Cancer Society Meeting. Toronto. July 2012.
- **Nazarian R**, Casiano R. Office Based Procedures in Rhinology. UM Grand Rounds. November 2012.
- **Nazarian R**, Jethanamest D, Telischi F. *Trans-Canal Approach for Removal of Displaced Petrous Carotid Aneurysm Embolization Coil in the Middle Ear*. Abstract presented at the 2013 North American Skull Base Society Meeting.
- **Nazarian R**, *Current Updates in Evaluation and Management of Thyroid Nodules*. William J Harrington Medical Conferences Committee. Miami, Florida. February 2013.
- **Nazarian R**, Jewett B. The Affordable Healthcare Act and the Future of Otolaryngology. UM Grand Rounds. May 2013.
- Eshraghi A, **Nazarian R**. Cochlear Implantation in Children with Mental Disabilities: The University of Miami Experience. *COSM Combined Otolaryngological Spring Meeting 2013*.
- **Nazarian R**, Goldstein B. Evolution and Darwinian Medicine in Otolaryngology. UM Grand Rounds. September 2013.
- **Nazarian R**, Balkany T, Telischi F, Eshraghi A. *Hearing Heroes: Celebrating Over 100 Years of Innovation in Otology*. UM Grand Rounds. September 2013
- Eshraghi AA, **Nazarian R**, Lung D. Frontiers in Cochlear Implantation: Outcome of kids with Autism and patients more than 80 years old. FSO-HNS Annual Fall Meeting Program, Palm Beach FL. November 2013
- Eshraghi AA, **Nazarian R**, Lung D. Cochlear Implantation in patient with dual diagnosis of Autism and hearing loss. 13th International conference on Cochlear implant and other implantable hearing devices. Munich Germany. June 2014
- Eshraghi A, **Nazarian R**, Telischi F, Hodges A, Velandia S, Martinez D, Angeli S, Cejas Y, Lang D. *Cochlear Implantation in Children with Autism*. 14th Symposium on Cochlear Implants in Children, December 11-14, 2014, in Nashville, TN
- **Nazarian R**, *A Brief History of Otosclerosis Surgery*. Florida Society of Otolaryngology Annual Meeting. Orlando, FL. November 2014.
- Ghadiali M, **Nazarian R**, Chhetri D, Berke G (May 2009) *Endoscopic Repair of Anterior Glottic Webs using a False Vocal Fold Microflap as a Biological Keel*. Presented at the Annual Triological Meeting in Phoenix, AZ May 2009
- **Nazarian R**, Whitley C, Santos L, Press MF. (2007) *Breast Cancer and HER-2/neu Expression: Using Breast Cell Cultures to Develop Optimal Detection Techniques*. Poster Presentation. Keck School of Medicine Research Forum. (Awarded Honorable Recognition).
- Negrete OA, **Nazarian R**, Levroney E, Aguilar HC, Lee B. (June 2005) *Nipah and Hendra Virus: Shedding Light on the Viral Receptor*. American Society for Virology 24<sup>th</sup> Annual Meeting. State College, Pennsylvania. Poster Presentation.
- Negrete OA, **Nazarian R**, Levroney E, Aguilar HC, Tajyar S, Lee B. (July 2005) *Identification of the Nipah and Hendra Virus Receptor*. International Union of Microbiological Societies. San Francisco, CA. Poster Presentation.

## PUBLICATIONS:

- Wazen J, Ortega, C, **Nazarian R**, Smith J, Thompson J, Lange L. *Expanding the Indications for the Bone Anchored Hearing System (BAHS) in patients with single sided deafness*. American Journal of Otolaryngology. June 2021.
- **Nazarian R**, McElveen JT, Eshraghi AA. *History of Otosclerosis and Stapes Surgery*. Otolaryngologic Clinics of North America. April 2018.
- Silverstein H, Ojo R, Daugherty J, **Nazarian R**, Wazen J. *Minimally Invasive Surgery for the Treatment of Hyperacusis*. Otology Neurotology. December 2016.
- **Nazarian R**, Eshraghi, A. *Otoplasty for the protruded ear*. Seminars in Plastic Surgery. Vol 25, Number 4. 2011: Thieme. New York.
- **Nazarian R**, Eshraghi A, Telischi F, Truy E, Gupta C. *Cochlear implant surgery: Historical aspects and future prospects*. Anatomical Records. May 2012
- Eshraghi A, **Nazarian R**, Gupta C. *Biomedical Engineering Principles of Modern Cochlear Implants*. Anatomical Records. May 2012.

- Weed D, Walker G, De la Fuente A, **Nazarian R**, Vella J, Gomez C, Serafini P. *FOXP3 subcellular localization predicts recurrence in oral squamous cell carcinoma*. PLoS One. August 20, 2013.
- Weed D, Vella J, Reis I, De la Fuente A, Gomez C, Sargi Z, **Nazarian R**, Califano J, Borrello I, Serafini P. *Tadalafil reduces myeloid derived suppressor cells and regulatory T cells and promotes tumor immunity in patients with head and neck squamous cell carcinoma*. Clinical Cancer Research. September 3, 2014.
- **Nazarian R**, Younis R, Al-Bar M, Casiano R. *Pediatric Epistaxis (Book Chapter)*. Pediatric and Adult Sino-Nasal Disorders. Nova Science Publishers 2015.
- Eshraghi A, **Nazarian R**, Telischi F, Martinez D, Hodges A, Cejas-Cruz I, Velandia S, Balkany T, Lo K, Lang D. *Cochlear Implantation in Children with Autism Spectrum Disorder*. Otology & Neurotology September 2015.
- Ghadiali M, **Nazarian R**, Chhetri D, Berke G. *Endoscopic Repair of Anterior Glottic Webs using a False Vocal Fold Microflap as a Biological Keel*. Laryngoscope. 119. S266. 2009.
- Negrete OA, Levroney EL, Aguilar HC, Bertolotti-Ciarlet A, **Nazarian R**, Tajjyar S, Lee B. (July 2005) *EphrinB2 is the entry receptor for Nipah virus, an emergent deadly paramyxovirus*. **NATURE**. 436: 401-405.

#### **PAST RESEARCH ACTIVITIES:**

##### **Ear Research Foundation & Silverstein Ear Institute (July 2014—July 2015)**

Herbert Silverstein MD and Jack Wazen MD.

Description: Investigated minimally invasive surgical treatments for hyperacusis and superior semicircular canal dehiscence. Also analyzed and published on a cohort of patients with bone anchored hearing implants and middle ear implants. Worked on expanding the indications for bone anchored hearing implants.

##### **University of Miami & Sylvester Cancer Center, Miami, FL (June 2011—June 2014)**

Donald T Weed MD, Paolo Serafini PhD, Adrien Eshraghi MD.

Description: Collected and analyzed human samples of oral squamous cell cancer for localization of subcellular markers such as FOXP3. This led to translational research which showed that PDE5 inhibitors such as Tadalafil can help control immune responses in head and neck squamous cell cancer. Also worked on cochlear implant research in pediatric patients with mental disabilities such as autism.

##### **USC Department of Otolaryngology Head and Neck Surgery, Los Angeles, CA (April 2008—June 2009)**

Uttam K. Sinha, M.D. and Rizwan Masood, Ph.D.

Description: Building on my past work analyzing the interaction between Ephrin receptors and Nipah virus binding (see Publications below) to generate new markers of detection and diagnosis of HNSCC. Additionally, we examined new markers such as EGFR, CXCR4, and SDF in the mechanism of HNC metastasis.

##### **UCLA Department of Head and Neck Surgery, Los Angeles, CA (August 2008—June 2009)**

Gerald S. Berke, M.D., Dinesh K. Chhetri M.D., and Murtaza Ghadiali, M.D

Description: I compiled the results of patients undergoing a novel treatment of anterior glottic webs using a simple vocal flap procedure without the need for keel placement.

##### **USC Norris Comprehensive Cancer Center, Los Angeles, CA (June 2006—June 2008)**

Michael F. Press, M.D, Ph.D.

Description: Facilitating the molecular detection of breast cancer patients who are likely to benefit from Herceptin therapy. To prove the superiority of FISH assays over standard immunohistochemistry protocols.

##### **UCLA Department of Immunology, Los Angeles, CA (October 2002—January 2006)**

Benhur Lee, M.D.

Description: Took part in discovering the human receptor for the deadly Nipah Virus. Had the honor to publish our discovery in the prestigious scientific journal **Nature**.

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#### **TEACHING EXPERIENCE**

##### **Medical Scholars Program- Osborne Head and Neck Foundation (September 2015- present)**

Description: Organizing lectures, medical training, surgical labs, and clinical exposure opportunities for high school students interested in a career in medicine.

##### **University of Miami Harrington Program – International Medicine Institute (July 2012- June 2014)**

Description: Invited speaker and clinical instructor for medical students from Latin America interested in pursuing a Career in otolaryngology. I was involved in teaching on the wards and operating room, as well as presenting grand rounds on various topics in otolaryngology.

##### **Academic Advisor (July 2009 to June 2014)**

Description: Offering academic and professional advice to medical students in pursuit of competitive residency positions.

**Bravo Mentoring Group, Keck School of Medicine (September 2005—April 2007)**

Position: Co-director

Description: Mentoring at Medical Magnet Bravo High School.

**Private Tutor (March 2001—February 2006)**

Description: Tutoring high school and college students in the science and mathematic disciplines and offered services to prepare for national standardized tests and college applications.

**PAST PROFESSIONAL ACTIVITIES**

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**St. George Cancer Society, USC Norris Comprehensive Cancer Center (September 2005—May 2007)**

Position: Co-Director

Description: Invited distinguished physicians from USC and other institutions to give a focused talk on topics in oncology. The only oncology student interest group on campus.

**Operation Smile, USC Department of Plastic Surgery (September 2005 – April 2007)**

Position: Co-Director

Description: Cleft lip and palate repair for children around the world. Responsible for raising funds for the organization and coordinating student participation.

**Adolescent Suicide Prevention Program, UCLA Emergency Department (January 2004 – June 2005)**

Position: Student Research Director

Description: Directed students to conduct a prospective study on the effectiveness of inpatient intervention for suicidal adolescents in the emergency department.

**Golden Key International Honor Society at UCLA (August 2004 – June 2005)**

Position: Co-President

Description: Organized students, faculty, and administrators in developing and maintaining voluntary service, scholarships, and other academic resources.

**PROFESSIONAL MEMBERSHIPS / APPOINTMENTS**

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- Alpha Omega Alpha (AOA) Medical Honor Society
  - Only top 15% of graduating medical students Nationwide are considered for membership based on academic standing, leadership, character, community service, and professionalism
- Associate Editor- Journal of Otolaryngology-ENT Research
- American Medical Association
- American Academy of Otolaryngology

**HUMANITARIAN / MEDICAL MISSIONS**

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- 2016 – Addis Ababa, Ethiopia: Bethel Hospital
- 2017 – Belmopan, Belize: Western Regional Hospital
- 2018 – Jalandhar, Punjab Province, India: New Ruby Hospital
- 2022 – Guatemala City, Guatemala: Hospital Social San Lázaro
- 2023 – Antigua, Guatemala: Obras Sociales del Santo Hermano Pedro Hospital

**ACADEMIC AWARDS**

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- 2014 UM Chandler Meeting – First Place PGY-5 Temporal Bone Competition
- 2014 Triological Society Combined Section Meeting: Resident Academic Bowl- 2<sup>nd</sup> Place Award
- 2013 Appointed Administrative Chief Resident- University of Miami Department of Otolaryngology
- 2013 UM Chandler Meeting – First Place PGY-4 Temporal Bone Competition
- 2013 UM Chandler Meeting – Second Place Best Research Award
- 2013 William J. Harrington Medical Conferences Committee- Distinguished Speaker
- 2012 UM Chandler Meeting – First Place PGY-3 Temporal Bone Competition
- 2012 UM Chandler Meeting – Second Place Best Research Award
- 2011 UM Chandler Meeting – First Place PGY-2 Temporal Bone Competition
- Alpha Omega Alpha (AOA) Medical Honor Society (2008)

- Dean's Recognition Junior-Senior Continuum (Keck School of Medicine 2007-2009)
- Honorable Recognition. Keck School of Medicine Research Forum (2007)
- Dean's Recognition Freshman Class (Keck School of Medicine 2005-2006)
- Keck Faculty Wives and Friends Scholarship (2005-2006)
- Honorable Recognition. Keck School of Medicine Research Forum (May 2007)
- UCLA College Honors with Honors Thesis (2005)
- UCLA Faculty Scholarship (2002)
- UCLA Dean's Honor Roll (all 4 years in college)

#### **FOREIGN LANGUAGES**

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- Fluent in written and conversational Spanish
- Fluent in written and spoken Hebrew
- Fluent in spoken Farsi

#### **HOBBIES**

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- Drums, Boating, Longboards, Biking, Kayaking, Snowboarding