

Curriculum Vitae  
**Justin S. Golub, MD, MS**

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## 1. Date of Preparation

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March 3, 2024

## 2. Personal Data

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Name:	Justin S. Golub	Work Address:	180 Fort Washington Ave
Date of Birth:	June 27, 1980		HP8-865
Birthplace:	Queens, NY		New York, NY 10032
Citizenship:	USA	Email:	justin.golub@columbia.edu
		Office Phone:	212-305-8867

## 3. Academic Appointments, Hospital Appointments, and Other Work Experience

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	<b>Columbia University</b>	New York, NY
	<b>Vagelos College of Physicians and Surgeons</b>	
	New York-Presbyterian/Columbia University Irving Medical Center	
	Department of Otolaryngology—Head and Neck Surgery	
7/2023-present	<i>Vice Chair of Faculty Development</i>	

7/2020-present     *Associate Professor (tenure-track), Associate Attending Physician*  
 7/2015-6/2020     *Assistant Professor (tenure-track), Assistant Attending Physician*

## 4. Education

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7/2015-5/2017	<b>Columbia University Mailman School of Public Health</b> Patient Oriented Research program, Dept of Biostatistics MS	New York, NY
7/2002-5/2007	<b>Emory University School of Medicine</b> Included additional research year ( <i>See Section 5b</i> ) MD	Atlanta, GA
9/1998-6/2002	<b>Tufts University</b> Top 1% of class; 3.95 GPA; summa cum laude BA in biology	Medford, MA

## 5. Training

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### 5a. Clinical Training

7/2013-6/2015	<b>University of Cincinnati</b> <i>Fellow in Otolaryngology, Neurotology, Skull Base Surgery</i> ACGME accredited Preceptors Ravi N. Samy, MD and Myles L. Pensak, MD	Cincinnati, OH
7/2008-6/2013	<b>University of Washington</b> <i>Resident in Otolaryngology—Head and Neck Surgery</i> Six-year research track ( <i>See Section 5b</i> )	Seattle, WA
7/2007-6/2008	<b>University of Washington</b> <i>Intern in General Surgery</i>	Seattle, WA

### 5b. Research Training/Fellowships

11/2010-2/2011,     **University of Washington, Seattle, WA**  
 7/2009-6/2010     *T32 Research Fellow*

Preceptors: Jay T. Rubinstein, MD, PhD and James O. Phillips, PhD  
 Department of Otolaryngology—Head and Neck Surgery

- First-in-human clinical feasibility trial of a vestibular implant
- Preservation of native function after vestibular implantation in rhesus macaque

Preceptors: Edwin W. Rubel, PhD and Jennifer S. Stone, PhD;  
 Virginia Merrill Bloedel Hearing Research Center

- Inner ear vestibular hair cell regeneration
- Genetically engineered mouse hair cell damage model

- 8/2005-7/2006     **Georgia Tech/Emory Center for the Engineering of Living Tissues**,  
Atlanta, GA  
*Graduate Research Fellow*  
Preceptor: Robert E. Guldberg, PhD; Institute for Bioengineering & Bioscience
- Regenerating blood vessels via controlled release of vasculogenic nanoparticles
  - 3D vessel characterization by microcomputed tomography
- 5/2003-7/2003,     **Massachusetts Institute of Technology /**  
5/2002-7/2002,     **Harvard-MIT Division of Health Sciences and Technology**, Boston, MA  
6/2001-10/2001     *Undergraduate Research Fellow*  
Preceptor: Robert S. Langer, ScD (Institute Professor, >1900 papers, >1400 patents, h-index 321, co-founder Moderna); Department of Chemical Engineering
- Gene expression in differentiating human embryonic stem cells
  - Analysis of endothelial cells isolated from human embryonic stem cells
- 7/2000-8/2000     **Mount Sinai School of Medicine**, New York, NY  
*Summer Undergraduate Research Fellow, Sigma Xi Scholarship*  
Preceptor: Robert S. Krauss, PhD; Dept of Biochemistry and Molecular Biology
- Screen for genes of interest using the yeast signal sequence trap strategy

## 6. Explanation of Any Gaps in Work/Training Education

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None

## 7. Licensure and Board Certification

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### 7a. Licensure

2015-present	Medical license, New York
2013-2014	Trainee medical license, Ohio
2007-2013	Trainee medical license, Washington

### 7b. Board Certification

6/1/2016-present	Neurotology subspecialty certification, American Board of Otolaryngology
6/1/2014-present	Board certification, American Board of Otolaryngology

## 8. Honors and Awards

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*Note:*

*For election to professional committees, see Section 9*

*For election to professional societies, see Section 10a*

*For important invited lectureships, see Section 16d under National Level and International Level*

2023	<b>Featured Article of the Month</b> <i>The Auricle</i> , July 12, 2023 (regarding PMID: 36960774)
2023	<b>Featured Cover Article</b> <i>The Hearing Journal</i> , March 2023
2023	<b>3<sup>rd</sup> Place Poster Award</b> VP&S Annual Student Research Day, New York, NY
2023	<b>1<sup>st</sup> Place Poster Award, Otology/Neurotology</b> Triological Society Combined Sections Meeting, Coronado, CA
2022	<b>1<sup>st</sup> Place Poster Award, Otology/Neurotology</b> Triological Society Combined Sections Meeting, Coronado, CA
2021	<b>2021 Influencer in Aging</b> (Next Avenue Media, part of the PBS System) Awarded to 14 thought leaders, activists, entrepreneurs and experts who change how we think about aging.
2021	<b>Mentee Research Travel Award</b> (Awarded Twice for Two Mentees) American Auditory Society Annual Scientific Meeting
2020-present	<b>Castle Connolly Top Doctors</b> Peer-selected directory of highly reputable physicians within a specialty
2021	<b>Editor's Choice Article</b> <i>Journal of Gerontology Medical Sciences</i> (PMID: 32959064)
2020	<b>Editor's Choice Article</b> <i>Journal of Gerontology Medical Sciences</i> (PMID: 31183502)
2018	<b>Collaborating Faculty Member/Affiliate</b> Johns Hopkins Cochlear Center for Hearing and Public Health, Baltimore, MD
2018	<b>Great Catch Award</b> For commitment to patient safety, ColumbiaDoctors, New York, NY
2017, 2018	<b>Top Reviewer, Otology &amp; Neurotology</b> (Awarded Twice) For completing the most peer reviews in a year
2017	<b>Malcolm Schvey Teaching Award</b> For excellence in clinical teaching. Award by the residents of the Columbia-Cornell Otolaryngology—Head and Neck Surgery training program
2015	<b>Poster Award</b> American Academy of Audiology Annual Meeting, San Antonio, TX
2007	<b>Best Poster Award</b> Honorable mention, Voice Foundation Annual Symposium, Philadelphia, PA
2007	<b>National Scholars Honor Society</b> Awarded to students with high academic achievement and civic responsibility
2006	<b>Joseph B. Whitehead Surgery Scholarship</b> Awarded to medical students who have excelled academically and have a strong interest in surgery as a career choice
2006	<b>W. C. Harris Family Scholarship</b> Awarded to meritorious medical students of Emory University School of Medicine
2001	<b>Phi Beta Kappa Society</b> One of eight junior year recipients in a class of 1200 (top 1% of class)

2001	Awarded to students demonstrating high attainments in liberal scholarship <b>Howard Sample Prize Scholarship in Physics</b>
2001	Awarded yearly to the most outstanding undergraduate student in physics <b>Golden Key National Honor Society</b>
2000	Awarded for high academic achievement in college <b>Sigma Xi Scholarship</b>
	Awarded for excellent potential in scientific investigation

## 9. Administrative Leadership and Academic Service

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### 9a. Academic Service

#### Data and Safety Monitoring Boards

2022-present Vestibular implant clinical trial, PI Della Santina, Johns Hopkins University

#### Nonprofit Organizations

2020-present Professional Advisor, Hearing Loss Association of America, New York City Chapter

2018-2019 Board of Directors, Auditory Implant Initiative

2016-2018 Member, Data Use Committee, Auditory Implant Initiative

#### Professional Society Service

*See Section 10*

#### International Conference Planning

2022 Member, Organizing Committee, Scientific Review Committee, and Young Endoscopic Ear Surgeons Committee, 4<sup>th</sup> World Congress on Endoscopic Ear Surgery, Kyoto, Japan

2017-2019 Member, Steering Committee, 3<sup>rd</sup> World Congress on Endoscopic Ear Surgery, Boston MA

#### Invited Attendance at National Meetings

1/19/2018 National Otolaryngology Physician-Scientist Consortium, Triological Society Combined Section Meeting, Phoenix, AZ

3/14/2017 Improving Communication for People with Hearing Loss, Stanford Center on Longevity, Stanford University, Stanford, CA

#### Invited Attendance at International Meetings

4/2019 Key Opinion Leaders Meeting; Oticon Medical; Copenhagen, Denmark and Nice, France

10/2016 Global Research Symposium; Cochlear; Macquarie University, NSW, Australia

### 9b. Administrative Leadership at CUIMC and NYP

#### Leadership Training

2022 Attendee, CUIMC Leadership and Management Course for Faculty (32 hours)

### **Departmental**

2020-present Co-director, Resident Research Committee  
 2015-present Member, Residency Selection Committee  
 2021-2022 Director, News, Events, Website, Social Media (NEWS) Committee  
 2021-2022 Member, Website Design Committee  
 2015-2018 Member, Resident Research Committee  
 2016-2018 Member, Residency Education Committee  
 2015-2016 Member, Website Design Committee

### **Institutional**

2022-present Member, Irving Institute for Clinical and Translation Research (CTSA) Internal Advisory Committee  
 2015-present Director, Skull Base Tumor Board  
 2021-2023 Lead Physician Champion, Second Opinion Program  
 2019-2020 Member, Faculty Liaison Network in Support of NASEM's Action Collaborative on Preventing Sexual Harassment  
 2018-2020 Departmental lead and member, EpicTogether Clinical Leadership Group  
 2017-2019 Member, Clinical Health Information Technology Advisory Committee  
 2016-2018 Member, Communications Committee  
 2016-2017 Member, CROWN Optimization Committee

## **9c. Administrative Leadership at Prior Institutions**

2014 Member, Fellowship Selection Committee, Dept of Otolaryngology—Head and Neck Surgery, University of Cincinnati  
 2011 Member, Residency Selection Committee, Dept of Otolaryngology—Head and Neck Surgery, University of Washington  
 2005-2006 Member, Executive Steering Committee, curriculum revision project, Emory University School of Medicine  
 2005-2006 Co-chair, Student Subcommittee, curriculum revision project, Emory University School of Medicine  
 2005-2006 Member, IT/Simulation and Educational Technology Guidance Council, curriculum revision project, Emory University School of Medicine  
 2005 Member, Medical Student Interview Committee, Emory University School of Medicine  
 2003-2007 President and Founder, itm: innovative technologies for medicine, Atlanta, GA  
 2003-2007 Vice President, Musaar: The Jewish Medical Ethics Society, Atlanta, GA  
 2005-2007 Vice President, ASP: Aspiring Surgeon's Program, Atlanta, GA

## **9d. Administrative Leadership Outside of Medicine**

2010-2012 Andiamo Condominium Association, Seattle, WA, President

## 10. Professional Organizations and Societies

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### 10a. Memberships and Positions

*Note: For committee and other leadership positions, see also Section 9*

#### Regional Level

2020-present Member, New York Otological Society

#### National Level

2021-2022 *President*, American Endoscopic Ear Surgery Study Group  
 2023-present Fellow, Triological Society (refereed thesis required)  
 2021-present *Treasurer*, American Society of Geriatric Otolaryngology  
 2021-present *Executive Council*, American Society of Geriatric Otolaryngology  
 2021-present Member, Gerontological Society of America  
 2021-present Member, American Society of Geriatric Otolaryngology  
 2018-present Member, American Endoscopic Ear Surgery Study Group  
 2015-present Member, American Cochlear Implant Alliance  
 2014-present Fellow Member, American Neurotology Society  
 2014-present Member, American Auditory Society (intermittent before 2019)  
 2010-present Member, Association for Research in Otolaryngology  
 2008-present Member, American Academy of Otolaryngology—Head and Neck Surgery  
 2007-present Member, American College of Surgeons  
 2001-present Member, Phi Beta Kappa Society  
 2013-2022 Member, Acoustic Neuroma Association  
 2004-2016 Member, American Medical Association  
 2012-2013 Member, Society for Neuroscience

#### International Level

2023-present *Executive Board Member*, International Working Group on Endoscopic Ear Surgery  
 2017-present Member, International Working Group on Endoscopic Ear Surgery  
 2019-2021 Member, American-Israeli Otolaryngology Society  
 2014-2017 Member, North American Skull Base Society  
 2004-2008 Member, Tissue Engineering and Regenerative Medicine International Society  
 2002-2004 Member, Tissue Engineering Society International

### 10b. Consultative

#### Local Level

2017-present Consultant, Grand Rounds/NYP Second Opinion (telemedicine)  
 2008-2009 Mobile electronic medical record platform design, UW Medicine, Seattle, WA  
 2002-2005 Consultant/Photographer, Emory Univ School of Medicine Office of Admissions

#### National Level

2021-present Surgical Advisory Board, Alcon

2018-present	Consultant, medicolegal (multiple law firms)
2018-present	Consultant, expert opinions/market research (multiple companies)
2014-present	Consulting, Plural Publishing, San Diego, CA
2019	Consultant, Decibel Therapeutics
2019	Biostatistical/epidemiologic consultant, Auditory Insight
2017	Consultant, VA Board of Appeals
2015-2017	Collaborator, Headmirror.com
2010-2014	Associate Consulting Editor, Plural Publishing, San Diego, CA

### International Level

2019	Consultant, Oticon Medical, Copenhagen, Denmark
2018-present	Consultant, JuniperMD, Beijing, China (telemedicine)

## 10c. Editorial Board

### National Level

2022-present	<i>JAMA Otolaryngology—Head and Neck Surgery</i> , Editorial Board [1 of 10 members; highest impact factor journal in otolaryngology]
2018-present	<i>Otology &amp; Neurotology</i> , Assistant Editor
2017-present	<i>Otology &amp; Neurotology</i> , biostatistical reviews
2016-present	<i>Otology &amp; Neurotology</i> , Editorial Board of Reviewers [2018: most reviews performed of all reviewers]

### International Level

2019-present	<i>Audiology &amp; Neurotology</i> , Associate Editor
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## 10d. Journal Reviewer

### National Level

2023-present	<i>Science Advances</i> (American Association for the Advancement of Sciences)
2022-present	<i>Scientific Reports</i> (Nature group)
2022-present	<i>JAMA Neurology</i>
2022-present	<i>Alzheimer's &amp; Dementia: Diagnosis, Assessment &amp; Disease Monitoring</i>
2021-present	<i>JAMA Network Open</i>
2020-present	<i>Laryngoscope Investigative Otolaryngology</i>
2020-present	<i>Alzheimer's &amp; Dementia</i>
2020-present	<i>Journal of Speech, Language, and Hearing Research</i>
2018-present	<i>PLoS One</i>
2018-present	<i>Journal of Neurological Surgery—Part B: Skull Base</i>
2018-present	<i>Journal of Gerontology: Medical Sciences</i>
2018-present	<i>ENT Journal</i>
2017-present	<i>JAMA Otolaryngology—Head and Neck Surgery</i>
2016-present	<i>Ear and Hearing</i>
2016-present	<i>Laryngoscope</i>
2014-present	<i>Otology &amp; Neurotology</i>



**International Level**

2022-present	<i>The Lancet Healthy Longevity</i>
2022-present	<i>Hearing Research</i>
2021-present	<i>Journal of Affective Disorders</i>
2021-present	<i>Frontiers in Aging Neuroscience</i>
2020-present	<i>BMJ Postgraduate Medical Journal</i>
2020-present	<i>Neuroimage: Reports</i>
2020-present	<i>International Journal of Audiology</i>
2020-present	<i>Journal of Otology</i>
2020-present	<i>Journal of Clinical Medicine</i>
2019-present	<i>Canadian Geriatrics Journal</i>
2018-present	<i>BMJ Open</i>
2017-present	<i>Behavioural Brain Research</i>
2016-present	<i>Scientifica</i>
2014-present	<i>International Journal of Pediatric Otorhinolaryngology</i>

**10e. Grant Reviewer****Local Level**

2019	Columbia Irving Institute for Clinical and Translation Research, KL2 Reviewer
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**National Level**

2/23/23, 10/25/22	NIH/NIA Special Emphasis Panel/Scientific Review Group ZRG1 AN-Q 55: Research on Current Topics in Alzheimer's Disease and Its Related Dementias
2020	Utah Center on Aging, Salt Lake City, UT

**International Level**

2018-2021	Royal National Institute for Deaf People (Action on Hearing Loss), London, UK
2017	Association for British Neurologists, London, UK

**10f. Abstract Reviewer****National Level**

2019-2021	American Neurotology Society, Spring Scientific Meeting at COSM
2020	American Auditory Society, Annual Scientific and Technology Conference, Scottsdale, AZ

**International Level**

2022	4 <sup>th</sup> World Congress on Endoscopic Ear Surgery (WCEES), Kyoto, Japan
2019	3 <sup>rd</sup> World Congress on Endoscopic Ear Surgery (WCEES), Boston, MA

**10g. Guideline and Miscellaneous Reviewer****National Level**

2024	American Association of Retired Persons (AARP) Global Council on Brain Health Report on Hearing and Brain
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2023 *American Academy of Otolaryngology—Head and Neck Surgery Foundation  
Clinical Practice Guidelines (CPG) on Age-Related Hearing Loss*

## 11. Grant Support

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*Note: TC = total costs, DC = direct costs. Unless indicated, funding is for the entire grant period.*

### 11a. Active Research Funding

7/1/23-6/30/24	<b>R41DC021128</b> (Lalwani/Kysar PI, Golub Site PI)    Role: Site PI NIA/NIDCD    \$XXXXXX Title: Endoscopy-Assisted Intracochlear Access via Ultra Sharp Microneedles Aim: Small Business Technology Transfer Grant (STTR) to develop methods to endoscopically visualize the round window membrane and perforate with a microneedle for the purpose of inner ear drug delivery.
5/1/23-4/30/24	<b>Dean's Research Fellowship</b> Role: Mentor Columbia Vagelos College Physicians & Surgeons    \$XXXXXX Title: Pilot Study for the Early Age-Related Hearing Loss Investigation Aim: Funds a medical student (Lauren Tucker) to have one year of funded, mentored research.
9/15/22-8/31/27	<b>R01AG075083</b> (Golub PI)    Role: PI NIH/NIA    \$XXXXXX Title: Early Age-Related Hearing Loss Investigation (EARHLI): A Randomized Controlled Trial to Assess Mechanisms Linking Early Age-Related Hearing Loss and Alzheimer's Disease and Related Dementias Aim: To conduct a randomized controlled trial of a hearing intervention versus health education comparator with key outcomes of cognition, social engagement, and brain organization/connectivity on functional MRI.
9/1/22-8/31/24	<b>2L30AG060513-03</b> (Golub PI)    Role: PI NIH/NIA    \$XXXXXX Title: The mechanistic association between age-related hearing loss and Alzheimer's disease and related dementias Aim: Provide educational loan repayment as well as structured mentorship to support research on hearing loss and brain/cognitive aging
4/15/18-3/31/24	<b>K23AG057832</b> (Golub PI)    Role: PI NIH/NIA    \$XXXXXX Title: Mechanisms Linking Hearing Loss and Alzheimer's Disease and Related Dementias Aim: Support career development to clarify the mechanisms linking hearing loss and Alzheimer's disease and related dementias
10/1/18-3/31/24	<b>Clinician-Scientist Career Devel Awd</b> (Golub PI)    Role: PI

Triological Society/Amer College of Surgeons \$XXXXX  
 Title: Mechanisms Linking Hearing Loss and Alzheimer's Disease and Related Dementias  
 Aim: Support research and career development during period of K23 funding

## 11b. Past Support

5/1/22-4/30/23	<b>Dean's Research Fellowship</b> Columbia Vagelos College Physicians & Surgeons \$XXXXX Title: Mapping the Relationship Between Age-Related Hearing Loss and Cognitive Impairment Using Socialization Aim: Funds a medical student (Michael Denham) to have one year of funded, mentored research.	Role: Co-Mentor \$XXXXX
7/1/22-8/31/22	<b>T35AG044303</b> (Mayeux/Noble/Hirano PIs) NIH/NIA Title: Investigating Associations between Hearing Loss, Dementia, and Cognitive Impairment at New York-Presbyterian Hospital Aim: Funds a medical student (Emily Ishak) to have one summer of funded, mentored, interdisciplinary research in aging.	Role: Mentor \$XXXXX
9/1/20-8/31/22	<b>2L30AG060513-02</b> (Golub PI) NIH/NIA Title: The mechanistic association between age-related hearing loss and Alzheimer's disease and related dementias Aim: Provide educational loan repayment and structured mentorship to support research on hearing loss and brain/cognitive aging	Role: PI \$XXXXX
7/15/19-6/30/22	<b>R56AG061817</b> (Devanand/Luchsinger/Rao PIs) NIH/NIA Title: Auditory, olfactory, and motor correlates of in-vivo AD neuropathology and cognitive decline in late-middle age Aim: Study various sensory impairment contributions to dementia and cognitive decline	Role: Co-I \$XXXXX
5/1/21-4/30/22	<b>Dean's Research Fellowship</b> Columbia Vagelos College Physicians & Surgeons \$XXXXX Title: Mapping the Relationship Between Age-Related Hearing Loss and Cognitive Impairment Using Functional MRI Aim: Funds a medical student (Maehar R. Grewal) to have one year of funded, mentored research.	Role: Mentor \$XXXXX
7/1/21-8/31/21	<b>T35AG044303</b> (Mayeux/Noble/Hirano PIs) NIH/NIA Title: Prevalence and Severity of Subclinical Hearing Loss	Role: Mentor \$XXXXX

Aim: Funds a medical student (Jacqueline Dragon) to have one summer of funded, mentored, interdisciplinary research in aging.

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|----------------|---|-------------------------|
| 7/1/18-5/31/21 | <b>R21AG059130</b> (Rutherford PI)<br>NIH/NIA<br>Title: Sensation and Psychiatry: Linking Age-Related Hearing Loss to Late-Life Depression and Cognitive Decline<br>Aim: Examine whether adding hearing aids to antidepressant treatment is helpful for older adults with combined ARHL and depression  | Role: Co-I<br>\$XXXXX   |
| 7/1/18-6/30/21 | <b>Louis V. Gerstner Jr. Scholar Award</b> (Golub PI)<br>Columbia University Medical Center<br>Title: Elucidating the Mechanism Linking Hearing Loss with Cognitive Impairment Using Comprehensive Audiometry and Multimodal Brain Imaging<br>Aim: Examine the cross-sectional and longitudinal association between age-related hearing loss and brain imaging biomarkers of dementia | Role: PI<br>\$XXXXX     |
| 5/1/20-4/30/21 | <b>Dean's Research Fellowship</b><br>Columbia College of Physicians & Surgeons<br>Title: The Association Between Age-Related Hearing Loss and Neurodegenerative Processes on Brain Imaging<br>Aim: Funds a medical student (Alexandria L. Irace) to have one year of funded, mentored research.   | Role: Mentor<br>\$XXXXX |
| 9/1/18-8/31/20 | <b>1L30AG060513-01</b> (Golub PI)<br>NIH/NIA<br>Title: The Association Between Age-Related Hearing Loss and Brain and Cognitive Aging<br>Aim: Provide educational loan repayment and structured mentorship to support research on hearing loss and brain/cognitive aging  | Role: PI<br>\$XXXXX     |
| 7/1/20-8/31/20 | <b>T35AG044303</b> (Mayeux/Noble/Hirano PIs)<br>NIH/NIA<br>Title: How is hearing loss associated with Alzheimer's Disease and its imaging biomarkers?<br>Aim: Funds a medical student (Seokyu [Phil] Shin) to have one summer of funded, mentored, interdisciplinary research in aging.   | Role: Mentor<br>\$XXXXX |
| 5/1/19-4/30/20 | <b>Dean's Research Fellowship</b><br>Columbia College of Physicians & Surgeons<br>Title: Exploring the Mechanisms Linking Age-Related Hearing Loss and Cognitive Impairment<br>Aim: Funds a medical student (Rahul Sharma) to have one year of funded, mentored research.   | Role: Mentor<br>\$XXXXX |
| 7/1/17-6/30/20 | <b>Career Development Award</b> (Golub PI)  | Role: PI                |

	Triological Society	\$XXXXX	
	Title: Age-Related Hearing Loss and Mechanisms of Dementia		
	Aim: Provide pilot data exploring the association between age-related hearing loss and brain imaging biomarkers of dementia		
7/1/17-5/31/18	<b>CaMPR Phase II</b> (Rutherford/Kim PIs)	Role: Co-I	
	Irving Institute for Clinical & Translational Research	\$XXXXX	
	Title: Sensation and Psychiatry: Linking Age-Related Hearing Loss to Late-Life Depression and Cognitive Decline		
	Aim: Conduct a pilot randomized controlled trial investigating whether treatment of age-related hearing loss affects depression		
2/1/17-12/31/17	<b>AII/HERMES</b> (Golub PI)	Role: PI	
	Auditory Implant Initiative	\$XXXXX	
	Title: Data Entry Stipend Program		
	Aim: Supports data entry for cochlear implant patients at Columbia University Medical Center into a national web-based cochlear implant database, HERMES.		
1/1/17-4/3/17	<b>CaMPR Phase I</b> (Rutherford/Golub PIs)	Role: Co-PI	
	Irving Institute for Clinical & Translational Research	\$XXXXX	
	Title: Association of Depression and Cognitive Impairment with Hearing Loss and its Remediation in Older Adults		
	Aim: Perform multidisciplinary planning to design and fund a pilot study (via CaMPR Phase II) investigating the relationship between age-related hearing loss and depression		
7/1/16-8/31/16	<b>T35AG044303</b> (Mayeux/Noble/Hirano PIs)	Role: Mentor	
	NIH/NIA	\$XXXXX	
	Title: Assessing Reasons for Underutilization of Cochlear Implants in Older Adults		
	Aim: Funds a medical student (Jack Doyle) to have one summer of funded, mentored, interdisciplinary research in aging.		
1/1/10-12/31/10	<b>John B. Combs Grant</b> (Golub PI)	Role: PI	
	University of Washington Housestaff Association	\$XXXXX	
	Title: Development of a Mobile-Based Website with Otolaryngology Content		
	Aim: Creation of a website designed for mobile phone screens with otolaryngology content that can be conveniently and quickly viewed anywhere.		
6/27/09-6/26/10	<b>T32DC000018</b> (Weymuller PI)	Role: Trainee	
	NIH/NIDCD		
	Title: Research training in otolaryngology		
	Aim: 1 year of protected research training as an otolaryngologist—head and neck surgeon physician-scientist		

### 11c. Past Support of Departmental Resources

2/1/2019	<b>Educational Equipment Grant</b>	Role: Requestor
	Agency: Karl Storz Endoscopy-America, Inc.	\$XXXXXX
	Title: N/A	
	Aim: Provides endoscopic equipment for Columbia otolaryngology—head and neck surgery residents to learn endoscopic ear surgery in the departmental temporal bone surgical training laboratory	

## 12. Educational Contributions

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### 12a. Direct Teaching/Precepting/Supervising

#### Direct Clinical Training

##### Local Level: Columbia University and NewYork-Presbyterian

2015-present	<i>One-on-One Teaching to Medical Students, Otolaryngology—Head and Neck Surgery Residents, Otolaryngology/Neurotology Fellows</i> Faculty practice outpatient clinic (4 hours/week) Public outpatient clinic (2 hours/week) Operating room: (10 hours/week) Call/wards (1 hour/week)
2017-present	<i>Otolaryngology—Head and Neck Surgery Allied Health Professional Training</i> Elizabeth Denson, NP (5 hours/week for 6 months) Muhammad Usama, medical scribe (12 hours/week for 3 months), lead supervisor Alexis Wiley, medical scribe (12 hours/week for 3 months), lead supervisor Jun Yang, medical scribe (12 hours/week for 3 months), lead supervisor Tinashe Mudiwa, NP (3 hours/week for 3 months) Carolina Mora, NP (4-8 hours/week for 9 months), lead supervisor Sarah Lee, NP (4-8 hours/week for 9 months), lead supervisor

#### Lectures to Residents

##### Local Level: Columbia University and NewYork-Presbyterian

Recurrent	Biostatistics with R
Recurrent	Biostatistics for Dummies
Recurrent	Age-Related Hearing Loss and Epidemiology
Recurrent	Vestibular Disorders for Dummies
Recurrent	Hybrid Cochlear Implantation
Recurrent	Temporal Bone Radiology
Recurrent	Acute Facial Paralysis
Recurrent	Sudden Sensorineural Hearing Loss
Recurrent	Lateral Skull Base Approaches (neuroradiology recruits)
Recurrent	Genetics of Hearing Loss (clinical genetics trainees/fellows)
Recurrent	Hearing Loss: Structure, Function, Overview (clinical genetics trainees/fellows)

6/9/16                    Neurosensory Prostheses for Hearing, Tinnitus and Balance (neurology residents)  
 5/26/16                    Vestibular Disorders: The Otologic/Neurotologic Side (neurology residents)

### **Local Level: University of Cincinnati**

4/29/15                    Acute Facial Paralysis  
 6/11/14                    Hybrid Cochlear Implantation  
 4/30/14                    Temporal Bone Radiology  
 8/28/13                    Ototoxicity  
 10/23/13                    Sudden Sensorineural Hearing Loss

### **National Level**

12/29/21                    **University of Washington**, Seattle, WA [virtual]  
                                  *Weekly Didactics*  
                                  Acute Facial Paralysis

## **Lectures to Medical Students**

### **Local Level: Columbia University**

Recurrent                    *Otolaryngology Research Fellows*  
                                  Introduction to Biostatistics  
  
 11/14/17                    *Otolaryngology Clerkship*  
                                  Introduction to Otolaryngology  
  
 2/2/15                      *Otolaryngology Interest Group*  
                                  Introduction to Otology/Neurotology

### **International Level**

11/21/13                    **Basaveshwara Medical College and Hospital**, Chitradurga, India  
                                  *Guest Lecture*  
                                  Cochlear Implantation

## **Lectures to Public Health, Engineering, and Humanities Students**

### **Local Level: Columbia University**

11/30/23                    *Music, Math, and Mind (MUSI/VIAR AV4000), Computer Music Center*  
                                  Hearing, Ear Surgery, and Mind  
  
 11/22/22, 5/6/20                    *Sound and Hearing (BME E4750), School of Engineering & Applied Science*  
                                  Implantable Devices for Hearing (Abridged)  
                                  The Association Between Age-Related Hearing Loss and Cognition  
  
 4/16/18                    *Sound and Hearing (BME E4750), School of Engineering and Applied Science*

### Implantable Devices for Hearing

2/15/18, 4/6/17     *Epidemiology of Aging (EPID P8407), Mailman School of Public Health*  
The Epidemiology of Age-Related Hearing Loss

## Lectures to Allied Health Students

### Local Level: University of Cincinnati

3/5/15, 11/18/14     Team Hearing (audiology program)  
3/5/15, 11/18/14     Vestibular Disorders (audiology program)

## Lectures to Laboratories

### Local Level: Columbia University

1/13/21                *Maurer Lab*  
Age-Related Hearing Loss: Overview and How to Measure

## Lecture to College Students

### Regional Level

2/27/08                **Evergreen College**, Olympia, WA  
*Pre-Health Society*  
The Career of Medicine

## Small Groups and Clerkships

### Local Level: Columbia University

2023                    *First Year Medical Student Clerkship Program*  
Role: Clerkship supervisor

2015                    *Systems, Leadership, Integration, and Management (SLIM) Course*  
Role: Small group instructor

## Surgical Dissection Training (Temporal Bone Laboratories)

### Local Level: Columbia University

2015-present        *Resident Temporal Bone Lab Course*  
Role: Course Director

### Local Level: University of Cincinnati



2013-2015      *Resident Temporal Bone Lab Course*  
Role: Instructor

10/18/13      *DO Temporal Bone Course*  
Role: Instructor

### **National Level**

6/12/19      **Harvard University/Massachusetts Eye & Ear Infirmary**, Boston, MA  
*3<sup>rd</sup> World Congress on Endoscopic Ear Surgery, Surgical Dissection Course*  
Role: Instructor

### **International Level**

11/19/13      **Bangalore Medical College and Research Center**, Bangalore, India  
*First International Cochlear Implant and Temporal Bone Course*  
Role: Instructor

## **12b. Advising and Mentorship**

### **Doctoral Dissertation Committees**

#### **Local Level: Columbia University**

2021      Erika Fallah, Olson Laboratory

### **Master of Science Thesis Primary Mentor**

#### **Local Level: Columbia University**

2023      Lauren Tucker, MD/MS in Biomedical Sciences  
2022      Michael W. Denham, MD/MS in Biomedical Sciences  
2021      Alexandria L. Irace, MD/MS in Biomedical Sciences

### **Master of Science Thesis Committees**

#### **Local Level: Columbia University**

2023      Nicolas A. Waring, MD/MS in Biomedical Sciences

### **Direct Research Mentorship to Members of My Laboratory**

#### **Local Level: Yearlong Research Fellows in My Laboratory**

2024-2025      Hannah Weinstein, medical student  
2023-2024      Lauren Tucker, medical student (funded internal fellowship)  
2022-2023      Michael W. Denham, medical student (funded internal fellowship)  
2021-2022      Maehar R. Grewal, medical student; now an otolaryngology resident at University of Utah

2020-2021	Alexandria L. Irace, medical student (funded internal fellowship); now an otolaryngology resident at University of Pennsylvania
2019-2020	Rahul K. Sharma, medical student (funded internal fellowship); now an otolaryngology resident at Vanderbilt University

### **Local Level: Research Residents in My Laboratory**

2018-2023	Alexander Chern, MD, resident, otolaryngology—head and neck surgery, now a neurotology fellows at Johns Hopkins University 2023-2025
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### **Local Level: NIH T35 Summer Fellows in My Laboratory**

2022	Emily Ishak, medical student
2021	Jacqueline M. Dragon, medical student
2020	Seokyu (Phil) Shin, medical student
2016	Jack B. Doyle, medical student

## **Direct Subspecialized Clinical Mentorship: Otology/Neurotology Fellows**

### **Local Level: Columbia University**

2022-present	Mickie Hamiter, neurotology fellow
2020-2022	Bing M. Teh, neurotology fellow
2018-2020	Sagit S. Stern, neurotology fellow

## **Other Mentorship**

### **Local Level: Columbia University**

2023-present	Research mentor, Isaac Alter, medical student
2023	Clinical preceptor, Brandon Vilarello, medical student
2023	Clinical preceptor, Nicholas Waring, medical student
2021-present	Research/career mentor, Michelle Yu, resident, otolaryngology—head and neck surgery
2020-present	Research mentor, Jonathan B. Overdevest, MD, PhD, assistant professor, otolaryngology—head and neck surgery (including in official capacity on K23DC019678, Overdevest, PI)
2020-2022	Career mentor, Joshua J. Sturm, resident, otolaryngology—head and neck surgery
2020	Clinical preceptor, Chris Valentini, medical student
2018-2020	Research/career mentor, Karolina K. Kaczmarczyk, undergraduate student
2018-2020	Research mentor, Harry Chiang, medical student
2018-2019	Research mentor, Michelle Yu, medical student
2019	Clinical observership mentor, Raquel Lobo Querido, MD, otolaryngologist, Fortaleza, Brazil
2017	Research mentor, Likun Tian, medical student
2017	Research mentor, Sarah Keesecker-Maurrasse, MD, resident, otolaryngology—head and neck surgery
2016	Research mentor, Stephanie Y. Chen, medical student

### **Local Level: University of Cincinnati**

2013 Research mentor, Jon Weber, medical student, University of Cincinnati

**Regional Level: University of Cincinnati**

2014 Research mentor, Natalie Pottschmidt, college student, Notre Dame

**National Level**

6/19/20 Lunch with the Professor, University of Washington otolaryngology—head and neck surgery residents, Seattle, WA [virtual]

**12c. Educational Administration and Leadership**

**Local Level: Columbia University and NewYork-Presbyterian**

2020-present *Otolaryngology—Head and Neck Surgery Residency Program*  
Role: Co-director of resident research committee

2018-present *Columbia Endoscopic Surgery Dissection Course:  
Ear, Eustachian Tube, Sinus, Skull Base, and Orbit*  
[www.ColumbiaEndoCourse.com](http://www.ColumbiaEndoCourse.com)  
Role: Course Founder and Co-Director

2023 (6<sup>th</sup>): Hybrid format: Webinar (**700 attendees in >100 countries**);  
In-person (lectures and cadaveric dissection, international attendance,  
**>10 countries**; sold out)  
2022 (5<sup>th</sup>): Webinar (**1,000 attendees in 105 countries**)  
2021 (4<sup>th</sup>): Webinar (**1,200 attendees in 110 countries**)  
2020 (3<sup>rd</sup>): Webinar, (**4,000 attendees in 121 countries**)  
2019 (2<sup>nd</sup>): In-person (lectures and cadaveric dissection,  
international attendance, **15 countries/5 continents**; sold out)  
2018 (1<sup>st</sup>): In-person (lectures and cadaveric dissection,  
national and international attendance; sold out)

2017-present *Otolaryngology Resident Temporal Bone Lab Dissection Course*  
Role: Course Director

2017-2022 *NYP/Columbia-Cornell Neurotology Fellowship (non-ACGME accredited)*  
Role: Assistant Program Director

3/25/17 *Electroacoustic Stimulation Surgical Workshop (Med-El)*  
Role: Lead Coordinator

2015-2016 *Offsite Mobile Operating Room Resident Temporal Bone and Skull Base Course*  
Role: Course Director

**Local Level: University of Cincinnati**

2013-2015 *Otolaryngology Resident Temporal Bone Course*

Role: Lead development of new curriculum, instructor

### **Local Level: Emory University/Georgia Tech**

2006                      *Surgical Techniques Workshop*  
 Role: Designed syllabus, led workshop to biomedical engineering graduate students

## **12d. Instructional/Educational Material Used in Print or Other Media**

*See Section 15j Op-Eds and Other Media*

## **12e. Community Education or Training**

### **Community Outreach**

#### **Local Level: Columbia University and NewYork-Presbyterian**

4/18/19, 4/14/18    Co-Director, Listen Up! A Public Forum on Hearing & Hearing Loss Treatment  
 3/11/17

#### **Regional Level**

4/27/23              Guest Speaker, The Brain Effects of Untreated Hearing Loss in Older Adults, Life Planning Network, tele-meeting (35 attendees)  
 5/4/21                Panel Moderator, What's New in Cochlear Implants?, Hearing Loss Association of American (HLAA), New York City chapter, tele-meeting (90 attendees)  
 9/22/20              Lecture, Hearing Loss and Cognitive Impairment, Bloomingdale Aging in Place, New York, NY  
 6/23/20              Lecture, Hearing Loss and its Connection to Cognition and Dementia, Yonkers Neighborhood Naturally Occurring Retirement Community, Yonkers, NY  
 5/21/19              Lecture, Biologic Treatment for Hearing Loss (Except Gene Therapy), Hearing Loss Association of America (HLAA), New York City chapter, New York, NY  
 6/23/18              Lecture, Treating Single Sided Deafness in Acoustic Neuroma, Acoustic Neuroma Association, New York, NY  
 10/17/17             Lecture, Meet the Doctor: The Cutting Edge of Hearing Loss Treatment, NewYork-Presbyterian/Lawrence, Eastchester, NY  
 5/23/17              Lecture, The Future of Hearing Loss Treatment, Riverdale Y, NY  
 4/25/17              Lecture, Cochlear Implants: Present and Future, Hearing Loss Association of America (HLAA), New York City chapter  
 7/14/16              Lecture, The Future of Hearing Loss Treatment, Riverdale Senior Services, NY  
 3/5/16                Lecture, The Future of Hearing Loss Treatment, Hearing Loss Association of America (HLAA), Westchester County, NY chapter  
 1/20/16              Lecture, The Future of Hearing Loss Treatment, Hearing Loss Association of America (HLAA), North Shore Long Island, NY chapter  
 9/19/15              Lecture, Cochlear Implants and the Future of Hearing Loss Treatment, Hearing Loss Association of America (HLAA)/Alexander Graham Bell, Essex County, NJ

### **Board Presentations**

**National Level**

3/6/20 Lecture, The Association Between Age-Related Hearing Loss and Cognition, Hearing Loss Association of America (HLAA) National Board of Directors, Bethesda, MD [tele-presentation]

**Social Media****National and International Level**

2015-present @jsgolub on X (formerly Twitter)  
2,626 followers (estimated top 5% engagement in otolaryngology)

**Media Presentations, Interviews, Press****Local Level**

1. Gill D. CUIMC staff moves to the frontlines to fight the pandemic amid the loss of hundreds of millions in revenue. *Columbia Spectator*. April 7, 2020.  
<https://www.columbiaspectator.com/news/2020/04/07/cuimc-staff-moves-to-the-frontlines-to-fight-the-pandemic-amid-the-loss-of-hundreds-of-millions-in-revenue/> [Quoted]

**Regional Level**

1. Croke K. Age related hearing loss is often untreated: health. *The Journal News* and lohud.com. November 9, 2017. <http://www.lohud.com/story/news/health/2017/11/09/dobbs-ferry-doc-age-related-ring-loss-often-untreated-baby-boomers/840934001> [Q&A Interview]

**National Level**

1. Bever, L. Hearing aids may cut risk of cognitive decline by near half. *The Washington Post*. July 29, 2023. <https://www.washingtonpost.com/wellness/2023/07/19/hearing-loss-hearing-aids-dementia-study> [Interviewed and quoted regarding results of the ACHIEVE randomized controlled trial of a hearing intervention on cognition]
2. Kreimer S. Hearing restorative devices may have a beneficial effect on cognition. *NeurologyToday*. January 19, 2023. 23(2):1-23.  
[https://journals.lww.com/neurotodayonline/Fulltext/2023/01190/Hearing\\_Restorative\\_Devices\\_May\\_Have\\_a\\_Beneficial.3.aspx](https://journals.lww.com/neurotodayonline/Fulltext/2023/01190/Hearing_Restorative_Devices_May_Have_a_Beneficial.3.aspx). [Interviewed and quoted regarding a commentary I wrote in *JAMA Neurology*]
3. Burton KW. Hearing loss strongly tied to increased dementia risk. *Medscape*. January 11, 2023. <https://www.medscape.com/viewarticle/986822>. [Interviewed and quoted regarding a paper in *JAMA*.]
4. Levine H. Hearing aids may lower dementia risk, study finds. *AARP Health*. December 7, 2022. <https://www.aarp.org/health/conditions-treatments/info-2022/hearing-aids-may-lower-dementia-risk.html>. [Interviewed and quoted regarding a commentary I wrote in *JAMA*]

*Neurology]*

5. Burton KW. ‘Convincing evidence’ hearing aids reduce dementia risk. *Medscape*. December 5, 2022. <https://www.medscape.com/viewarticle/985008> [Interviewed and quoted regarding a commentary I wrote in *JAMA Neurology*]
6. Sima R. Hearing loss is a major risk factor for dementia. Hearing aids can help. *The Washington Post*. October 20, 2022. <https://www.washingtonpost.com/wellness/2022/10/20/hearing-loss-dementia-hearing-aids/> [Original research paper of mine mentioned and cited]
7. Herpen R. Hearing loss associated with depression, causal relationship less clear. *Healio*. September 20, 2022. <https://www.healio.com/news/psychiatry/20220930/hearing-loss-associated-with-depression-causal-relationship-less-clear> [Covers a talk I gave at BRAINWeek 2022 that discussed one of our research papers]
8. Ritchie K. Over-the-counter hearing aids are coming—and lots of people could benefit. *91.5 KJZZ (National Public Radio [NPR] Member Station)*. Phoenix, AZ. August 23, 2022. <https://kjzz.org/content/1804227/over-counter-hearing-aids-are-coming-and-lots-people-could-benefit> [Feature interview, original research paper of mine discussed]
9. Kossoff L. Age-related hearing loss is associated with incident dementia in adults over 60. *ENT Today*. July 13, 2022. <https://www.enttoday.org/article/age-related-hearing-loss-is-associated-with-incident-dementia-in-adults-over-60/> [Featured summary blurb of a recent paper we published]
10. Carol L. Older Americans with dual sensory impairment less likely to use hearing aid. *Reuters Health*. June 8, 2022. <https://mdalert.com/news/article/older-americans-with-dual-sensory-impairment-less-likely-to-use-hearing-aid> [Quoted on colleague’s scientific paper]
11. Eisenberg R. The future of aging? Here’s what 3 influencers in aging say. *Next Avenue* [part of PBS system]. Dec 9, 2021. <https://www.nextavenue.org/the-future-of-aging-influencers/> [Interviewed]
12. Editors. Our list of 2021’s influences in aging. *Next Avenue* [part of PBS system]. Dec 7, 2021. <https://www.nextavenue.org/2021-influencers-in-aging/> [Featured as one of 14 influences in aging]
13. Richie K. Reimagining health care: our influences in aging...talk about the future of health care and what must change now for older adults. *Next Avenue* [part of PBS system]. Dec 7, 2021. <https://www.nextavenue.org/reimagining-health-care/> [Interview and showcased for my work on hearing and aging]
14. Williamson L. Hearing loss and the link to dementia. *American Heart Association News*. October 21, 2021. <https://www.heart.org/en/news/2021/10/21/hearing-loss-and-the-link-to-dementia> [Mentee Alex Chern interviewed and quoted, two of our papers cited]
15. Ferguson K. What to do about age-related hearing loss. *Real Health*. August 30, 2021.

- <https://www.realhealthmag.com/article/agerelated-hearing-loss> [Interviewed and quoted]
16. Layne R. Listen up: cheaper, sleeker over-the-counter hearing aids may hit shelves next year. *CBS News: Moneywatch*. August 6, 2021. <https://www.cbsnews.com/news/hearing-aid-over-the-counter-cheaper-may-hit-shelves-next-year> [Interviewed and quoted]
  17. Farrell C, Matsumoto S. How loneliness affects our health—and what we can do. *MPR: Minnesota Public Radio (National Public Radio [NPR] Member Station)*. Minneapolis, MN. July 22, 2021. <https://www.mprnews.org/episode/2021/07/21/how-loneliness-affects-our-health-and-what-we-can-do> [Live radio interview]
  18. Macaluso N. Can Companies Like Apple and Bose Make Hearing Aids Trendy? *Next Avenue* [part of PBS system]. June 2, 2021. <https://www.nextavenue.org/hearing-aids-trendy>. [Quoted]
  19. Ritche K. Why many older adults with hearing loss aren't getting the care they need. *91.5 KJZZ (National Public Radio [NPR] Member Station)*. Phoenix, AZ. May 13, 2021. <https://kjzz.org/content/1682962/why-many-older-adults-hearing-loss-arent-getting-care-they-need> [Interviewed and quoted]
  20. Fina M, **Golub JS**, Lee DJ, Chandrasekhar S. Endoscopic ear surgery. *Otolaryngologic Clinics of North America*. March 2021. [Podcast interview]
  21. Bernstein RD. My cochlear implant adventure. *Hearing Health: a Publication of Hearing Health Foundation*. Fall 2020: Page 27. <https://view.publitas.com/p222-4764/hearing-health-fall-2020-issue/page/27> [Quoted]
  22. Tingley K. Can hearing aids help prevent dementia? ***The New York Times Magazine***. February 20, 2020. <https://www.nytimes.com/2020/02/20/magazine/hearing-loss-dementia-alzheimers.html> [Interview and media coverage of an original research paper of mine]
  23. Brody J. For better brain health, preserve your hearing. ***The New York Times***. December 30, 2019. <https://www.nytimes.com/2019/12/30/well/live/brain-health-hearing-dementia-alzheimers.html> [Interview and media coverage of an original research paper of mine]
  24. Subclinical hearing loss may be associated with cognitive impairment. *Healio.com* December 13, 2019. [Interview and media coverage of an original research paper of mine]
  25. Carol L. Hearing loss, even when mild, linked to mental decline in seniors. *Reuters*. November 14, 2019. <http://www.reuters.com/article/us-health-hearing-cognition/hearing-loss-even-when-mild-linked-to-mental-decline-in-seniors-idUSKBN1XO2ML> [Interview and media coverage of an original research paper of mine]
  26. Golub JS, Johns MM 3<sup>rd</sup>. Subclinical hearing loss is associated with cognitive performance. *JAMA Otolaryngol Head Neck Surg Author Interviews*. November 2019. <https://edhub.ama-assn.org/jn-learning/audio-player/18028264> [Podcast interview regarding an original research paper of mine]
  27. Using a smartphone to sound out sign of kids' ear infections. *Associated Press*. May 15, 2019.



<https://apnews.com/6f391e7a19954641be5aee5b600b27cf> [Quoted]

28. Hearing loss could be source of depression in elderly Hispanic patients. *ASHA Leader*. March 2019. [Blurb of an original research paper of mine]
29. Paturel A, Shaw G. Sound Advice. *Brain & Life* (American Academy of Neurology). Oct/Nov 2018. 42-44. <https://www.brainandlife.org/articles/when-hearing-declines-cognitive-health-may-decline-as-well-find> [Interview]
30. Byran C. Is there something wrong with me if I only hear Yanny and not Laurel? May 16, 2018. <https://mashable.com/article/yanny-laurel-audio-hearing-ear-damage> [Interview]

## 12f. Continuing Education and Professional Education

*Note: Only leadership activities are listed*

### Regional Level

2015-present      Director, Skull Base Tumor Board, Columbia University Irving Medical Center (CME accredited; 1 hour/month) [local and regional attendance]

### International Level

2018-present      Co-director, Columbia Endoscopic Ear, Eustachian Tube, Sinus Surgery Dissection Course (CME accredited; 2-3 days/year) [mostly international attendance]

## 13. Report of Clinical Care and Public Health Interventions

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### 13a. Clinical Practice or Public Health Activities

2015-present	<b>ColumbiaDoctors</b> ; New York, NY (Harkness Pavilion); Bronx, NY (Riverdale); telemedicine (remote) <i>Ambulatory Clinical Practice</i> 3-4 sessions/week
2015-present	<b>NewYork-Presbyterian Ambulatory Care Network</b> ; New York, NY (Vanderbilt Clinic) <i>Ambulatory Clinical Practice</i> 0.5 sessions/week
2015-present	<b>NewYork-Presbyterian</b> ; New York, NY (CUIMC); Bronxville, NY (Lawrence) <i>Operating Room</i> 1.25 sessions/week

### 13b. Clinical or Public Health Innovations



- 2015-present      **Endoscopic Ear Surgery Program**  
*Program Founder*  
 Established the first major clinical program in the NY Metro area for minimally-invasive endoscopic ear surgery and one of the first training courses in the country (e.g., 4,000 attendees in 121 countries to our virtual course in 2020)

### 13c. Clinical and/or Public Health Administration and Leadership

- 2021-present      **Medical Scribe Program**, Dept of Otolaryngology—Head and Neck Surgery  
*Program Initiator and Leader*  
 Conceived, initiated, and manage the first medical scribe program in Dept of Otolaryngology—Head and Neck Surgery. Calculated increased clinical efficiency by ~20% per participating provider. Program size doubled since inception.
- 2017-2019      **Listen Up! A Public Forum on Hearing and the Treatment of Hearing Loss**,  
 Columbia University Irving Medical Center  
*Co-Director*  
*See Section 12e under Community Outreach*

### 13d. Additional Clinical or Public Health Service Activities

- 2013      **Nova Surgical Specialties Center**, Bangalore, India  
*Community Medical Service* (complex ear surgery)

## 14. Patents and Inventions

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## 15. Publications

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**Google Scholar Productivity Metrics** (<https://scholar.google.com/citations?hl=en&user=VkXIjS4AAAAJ>)

	<b>Overall</b>	<b>Past 5 Years</b>
<b>h-index</b>	31	29
<b>Citations</b>	4,986	2,601

#### *List of Subsections*

- 15a. *Peer-Reviewed Research Papers in Print or Other Media*
- 15b. *Other Peer Reviewed Publications in Print or Other Media*
- 15c. *Reviews, Monographs, Editorials, Invited Commentary*
- 15d. *Chapters*
- 15e. *Books/Textbooks for Medical or Scientific Community*
- 15f. *Journal Issues Edited*
- 15g. *Meetings/Invited Oral and Poster Presentations<sup>†</sup>*
- 15h. *Case Reports*
- 15i. *Letters to the Editor*

15j. *Op-Eds and Other Media*

15k. *Thesis*

15l. *Other Non-Peer Reviewed Publications in Print or Other Media<sup>†</sup>*

15m. *Non-Author publications*

<sup>†</sup>Note: For Peer-Selected/Invited Abstracts (Oral and Poster) and Peer-Selected/Invited Non-Abstract Presentations, see Section 16

\* indicates senior authorship

§ indicates research mentee under my mentorship

## 15a. Peer-Reviewed Research Papers in Print or Other Media

*Note: Roles for non-primary, non-senior author publications are clarified in brackets.*

1. Denham MW<sup>§</sup>, Arnold ML, Sanchez VA, Lin FR, Gomez MC, Neil H, Boyle S, Selevan S, Sussman TJ, Fine I, Glynn NW, Teresi J, Noble JM, Goldberg T, Luchsinger JA, **Golub JS\***. Design and methods of the Early Age-Related Hearing Loss Investigation (EARHLI) randomized controlled trial. *Otol Neurotol*. [Accepted Oct 2023]
2. Saperstein AM, Subhan BA, **Golub JS**, Medalia A. Hearing loss in older people with schizophrenia: audiologic characteristics and association with psychosocial functioning. *Am J Geriatr Psychiatry*. 2023. PMID: 38030420. [Role: hearing measure expertise, data analysis] [Online ahead of print.]
3. Zhao IY, Parial LL, Montayre J, **Golub JS**, Ng JH, Sweetow RW, Chan EA, Leung AYM. Social engagement and depressive symptoms mediate the relationship between age-related hearing loss and cognitive status. *Int J Geriatr Psychiatry*. 2023. 38(8):e5982. PMID: 37587617. [Role: methods review, manuscript review]
4. Saperstein AM, Meyler S, **Golub JS**, Medalia A. Correlates of hearing loss among adults with schizophrenia. *Schizophr Res*. 2023. 257: 1-4. PMID: 37230041. [Role: methods design, critical review]
5. Nathan AS, Cheung AY, Powers K, Stepp WH, **Golub JS**, Reyes SA, Levi JR. Assessing the accuracy of Otomatch.com data for individuals applying to otolaryngology residency. *Ann Otol Rhinol Laryngol*. 2023. 132(12): 1610-1616. PMID: 37271976. [Role: critical review]
6. Dragon JM<sup>§</sup>, Grewal MR<sup>§</sup>, Irace AL<sup>§</sup>, Garcia Morales E, **Golub JS\***. Prevalence of subclinical hearing loss in the United States. *Otolaryngol Head Neck Surg*. 2023. 169(4): 884-889. PMID: 36960774. [Featured Article of the Month, *The Auricle*, July 12, 2023]
7. Grewal MR<sup>§</sup>, **Golub JS\***. The association between hearing loss and multiple negative emotional states in the U.S. Hispanic population. *Otolaryngol Head Neck Surg*. 2022. 168(5): 1047-1053. PMID: 36939491.
8. Tu LJ, Fina M, **Golub JS**, Kazahaya K, Quesnel AM, Tawfik KO, Cohen MS. Current trends

- in endoscopic ear surgery. *Otol Neurotol Open*. 2022. 2(4): e023. PMID: pending. DOI: 10.1097/ONO.0000000000000023 [Role: choice of focus and scope, critical editing]
9. Chern A<sup>§</sup>, Sharma RK<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. Patient-reported postoperative pain and numbness: applications for endoscopic vs microscopic ear surgery. *J Pers Med*. 2022. 12(10): 1718. PMID: 36294857.
  10. Dragon JM<sup>§</sup>, Grewal MR<sup>§</sup>, Irace AL<sup>§</sup>, **Golub JS\***. Hearing aid usage and reported hearing difficulty in Americans with subclinical hearing loss. *Otol Neurotol*. 2022. 43(9): e951-e956. PMID: 36047683.
  11. Grewal MR<sup>§</sup>, **Golub JS\***. Hearing loss is associated with worse socialization in the US Hispanic adult population. *Otol Neurotol*. 2022. 43(9): 1085-1089. PMID: 36026592.
  12. Brewster K, Zilcha-Mano S, Wallace M, Kim AH, Brown PJ, Roose SP, **Golub JS**; Galatioto J, Kuhlmeier M, Rutherford BR. A precision medicine tool to understand who responds best to hearing aids in late-life depression. *Int J Geriatr Psychiatry*. 2022. 37(6): 1-9. PMID: 35499363. [Role: critical review, hearing measures]
  13. Grewal MR<sup>§</sup>, Dragon J<sup>§</sup>, **Golub JS\***. Age-related disparities in the treatment of borderline/mild hearing loss in the United States. *OTO Open*. 2022. 6(1): 1-4. PMID: 35274074.
  14. Martinez-Amezcu P, Dooley EE, Reed NS, Powell D, Hornikel B, **Golub JS**, Gabriel KP, Palta P. Association of hearing impairment and 24-Hour total movement activity in a representative sample of U.S. adults. *JAMA Netw Open*. 2022. 5(3):e222983. PMID: 35302630. [Role: critical review, hearing loss definition]
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[National press coverage, including two articles in *The New York Times* and cited in *The Washington Post*]
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53. Kozin ED, Sethi RKV, Lehmann A, Remenschneider AK, **Golub JS**, Reyes SA, Emerick KS, Lee DJ, Gray ST. Analysis of an online match discussion board: improving the

- otolaryngology—head and neck surgery match. *Otolaryngol Head Neck Surg*. 2014. 152(3): 458-464. PMID: 25550223. [Role: data analysis, interpretation]
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58. **Golub JS**, Ossoff RH, Johns MM 3<sup>rd</sup>. Fellowship and career path preferences in American residents of otolaryngology—head and neck surgery. *Laryngoscope*. 2011. 121(4): 882-887. PMID: 21433024.
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60. **Golub JS**, Kim YT, Duvall CL, Bellamkonda RV, Gupta D, Lin AS, Weiss D, Taylor WR, Guldberg RE. Sustained VEGF delivery via PLGA nanoparticles promotes vascular growth. *Am J Physiol Heart Circ Physiol*. 2010. 298(6): H1959-H1965. PMID: 20228260.
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62. **Golub JS**, Johns MM 3<sup>rd</sup>, Lim JH, DelGaudio JM, Klein AM. Comparison of an oropharyngeal pH probe and a standard dual pH probe for diagnosis of laryngopharyngeal reflux. *Ann Otol Rhinol Laryngol*. 2009. 118(1): 1-5. PMID: 19244956.
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## 15b. Other Peer Reviewed Publications in Print or Other Media

## 15c. Reviews, Monographs, Editorials, Invited Commentary

*Note: For Op-Eds (in Non-Scientific Press), see Section 15j*

1. Ishak E<sup>§</sup>, Gallitto M, **Golub JS**, Sisti MB, Wang TJC. Radiation-induced sensorineural hearing loss and potential management. *Pract Radiat Oncol*. 2024. PMID: 38211694. [Review] [Role: discussion editing/writing] [Online ahead of print]
2. Denham MW<sup>§</sup>, Weitzman RE<sup>§</sup>, **Golub JS\***. Hearing aids and cochlear implants in the prevention of cognitive decline and dementia—breaking through the silence. *JAMA Neurology*. 2023. 80(2): 127-28. PMID: 36469311. [Editorial]
3. Waring NA, Chern A<sup>§</sup>, **Golub JS\***. The longitudinal relationship between hearing loss and cognitive decline: what you need to know. *The Hearing Journal*. 2023. 76(3): 26-28. DOI: 10.1097/01.HJ.0000922284.78796.fe [Review] [**Featured Cover Article**]
4. Denham M<sup>§</sup>, **Golub JS\***. Does hearing rehabilitation mitigate the association between hearing loss and cognitive impairment? *Current Otorhinolaryngology Reports*. 2022. 10: 310-314. DOI: 10.1007/s40136-022-00412-7 [Review]
5. Irace AL<sup>§</sup>, Chern A<sup>§</sup>, **Golub JS\***. Hearing loss patterns throughout life: insights from Japan. *Lancet Reg Health West Pac*. 2021. 10: 100152. PMID: 34327352. [Editorial]
6. Sturm JJ<sup>§</sup>, Maurrasse SE<sup>§</sup>, **Golub JS\***. Intratympanic steroid injection. *Operative Techniques in Otolaryngology Head and Neck Surgery*. 2021. 32(2): 92-98. DOI: 10.1016/j.otot.2021.05.005 [Review]
7. Brewster KK, **Golub JS**, Rutherford BR. Neural circuits and behavioral pathways linking hearing loss to affective dysregulation in older adults. *Nature Aging*. 2021. 1: 422-429. PMID: 37118018. [Review] [Role critical review, hearing section]



8. Irace AL<sup>§</sup>, Chern A<sup>§</sup>, **Golub JS\***. Hearing loss and cognition: something to think about. *ENT & Audiology News*. March/April 2021. 30(1). [Review]
9. Chern A<sup>§</sup>, **Golub JS**, Lalwani AK. Do hearing aids help prevent cognitive decline? *Laryngoscope*. 2021. 131(10): 2166-2168. PMID: 33393674. [Review] [Role: writing, editing, critical literature review]
10. Irace AL<sup>§</sup>, Sharma RK<sup>§</sup>, Reed NS, **Golub, JS\***. Smartphone-based applications to detect hearing loss: a review of current technology. *J Amer Ger Soc*. 2021. 69(2): 307-316. PMID: 33341098. [Review] [Role: project conception, literature review, writing]
11. Stern SS<sup>§</sup>, Sharma RK<sup>§</sup>, Chern A<sup>§</sup>, **Golub JS\***. Pearls and pitfalls in endoscopic ear surgery. *Otolaryngol Clin North Am*. 2021. 54(1): 201-209. PMID: 33153731. [Review]
12. Fina M, **Golub JS**, Lee DJ. A new window to the ear. *Otolaryngol Clin North Am*. 2021. 54(1): xxi-xxii. PMID: 33153738. [Introduction] [Role: writing, editing]
13. Sharma RK<sup>§</sup>, Chern A<sup>§</sup>, **Golub JS\***. Age-related hearing loss and the development of cognitive impairment and late-life depression: a scoping overview. *Semin Hear*. 2021. 42(1): 10-25. PMID: 33883788. [Review]
14. Chern A<sup>§</sup>, Irace AL<sup>§</sup>, **Golub JS\***. Mapping the brain effects of hearing loss: the matter of white matter. *JAMA Otolaryngol Head Neck Surg*. 2020. 146(11): 1043-1044. PMID: 32880605. [Editorial]
15. Stern SS<sup>§</sup>, **Golub JS**, Lustig LR. The risks of being an otologist: an ergonomic and occupational hazard review. *Otol Neurotol*. 2020. 41(9): 1182-1189. PMID: 32925834. [Review] [Role: project conception, development, figure creation, editing]
16. Hayat MJ, Chandrasekhar R, Dietrich MS, Gifford RH, **Golub JS**, Holder JT, Labadie RF. Moving otology beyond p<0.05. *Otol Neurotol*. 2020. 41(5): 578-579. PMID: 32271265. [Editorial] [Role: writing, editing, implementing guidelines]
17. Chern A<sup>§</sup>, **Golub JS\***. Age-related hearing loss and dementia. *Alzheimer Dis Assoc Disord*. 2019. 33(3): 285-290. PMID: 31335455. [Review]
18. Chern A<sup>§</sup>, Rutherford BR, **Golub JS\***. Hearing loss and depression in the Hispanic/Latino population. *The Hearing Journal*. 2019. 72(4): 36-39. DOI: 10.1097/01.HJ.0000557748.20529.b3 [Review]
19. Ramaswamy AT, **Golub JS\***. Management of vestibular schwannomas for the radiologist. *Neuroimaging Clin N Am*. 2019. 29(1): 173-182. PMID: 30466639. [Review]
20. **Golub JS**, Johns MM 3rd. From burnout to wellness: a professional imperative. *Otolaryngol Head Neck Surg*. 2018. 158(6): 967-969. PMID: 29557256. [Editorial]
21. Rutherford BR, Brewster K, **Golub JS**, Kim AH, Roose SP. Sensation and psychiatry: linking age-related hearing loss to late-life depression and cognitive decline. *Am J Psychiatry*. 2018.

- 175(3): 215-224. PMID: 29202654. [Review] [Role: writing, critical editing]
22. **Golub JS\***. Brain changes associated with age-related hearing loss. *Curr Opin Otolaryngol Head Neck Surg*. 2017. 25(5): 347-352. PMID: 28661962. [Review]
  23. **Golub JS\***. Building an endoscopic ear surgery program. *Curr Opin Otolaryngol Head Neck Surg*. 2016. 24(5): 395-401. PMID: 27322987. [Review]
  24. **Golub JS**, Samy RN. Preventing or reducing smoking-related complications in otologic and neurotologic surgery. *Curr Opin Otolaryngol Head Neck Surg*. 2015. 23(5): 334-340. PMID: 26339963. [Review]
  25. **Golub JS**, Choo DI. Review of Magnan J, Parikh B, Miyazaki H. *Functional Surgery of Cerebellopontine Angle by Minimally Invasive Retrosigmoid Approach*. Philadelphia, PA: Jaypee. 2013. *Int J of Pediatr Otorhinolaryngol*. 2014. 78(9): 1566. [Book review]

## 15d. Chapters

1. Lin K, **Golub JS\***. Instrumentation in Otologic and Neurotologic Surgery (Chapter 24). In: Haynes DS, Carlson ML, Welling B, Minor LB, eds. *Glasscock-Shambaugh Surgery of the Ear*, 7<sup>th</sup> ed. Berlin, Germany: Springer-Nature. 2023. [Book in editing]
2. Chern A<sup>§</sup>, Sturm JJ, Troob SH, Ahsan SF, **Golub JS**, McRackan TR, Carlson ML. Otology and Neurotology (Chapter 7). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide*, 6<sup>th</sup> ed. San Diego, CA: Plural Publishing. 2022, pp 333-436.
3. **Golub JS\***. Occupational Hearing Loss (Chapter 60). In: Lalwani AK, ed. *Current Diagnosis & Treatment: Otolaryngology—Head and Neck Surgery*, 4<sup>th</sup> ed. New York, NY: McGraw-Hill. 2022.
4. Kim M, Husain Q, **Golub JS**, Marks SC, Pasha R. Rhinology and paranasal sinuses (Chapter 1). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide*, 5<sup>th</sup> ed. San Diego, CA: Plural Publishing. 2018, pp 1-72.
5. Trujillo O, **Golub JS**, Pasah R. Salivary glands (Chapter 2). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide*, 5<sup>th</sup> ed. San Diego, CA: Plural Publishing. 2018, pp 73-92.
6. O’Connell Ferster A, Hu A, Dworkin JP, Meleca RJ, Stachler RJ, **Golub JS**, Pasha R. Laryngology (Chapter 3). In: Pasha R, Golub JS. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide*, 5<sup>th</sup> ed. San Diego, CA: Plural Publishing. 2018, pp 93-128.
7. Lin J, Lin KF, Park RCW, **Golub JS**, Pasha R. Otolaryngologic endocrinology (Chapter 4). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide*, 5<sup>th</sup> ed. San Diego, CA: Plural Publishing. 2018, pp 129-152.
8. Pasha R, Keesecker SE<sup>§</sup>, **Golub JS\***. Sleep medicine (Chapter 5). In: Pasha R, Golub JS, eds.

*Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 153-186.

9. Awad MI, Silva Merea V, Stachler RJ, Shibuya TY, **Golub JS**, Pasha R. General otolaryngology (Chapter 6). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 187-254.
10. Park RCW, Nabili V, Yoo GH, **Golub JS**, Pasha R (Chapter 7). Head and neck cancer. In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 255-338.
11. McRackan TR, Hatch JL, Carlson ML, Ahsan SF, Bojrab DI, Pasha R, **Golub JS\***. Otology and neurotology (Chapter 8). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 339-440.
12. Joshi RR, Husain Q, Park RCW, Zoumalan R, Goodman JF, Tanna N, Arden RL, **Golub JS**, Pasha R. Reconstructive and Facial Plastic Surgery (Chapter 9). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 441-528.
13. Cote V, Dimachkieh AL, Prager JD, Kelley PE, Grindle CR, Valdez TA, **Golub JS\***. Pediatric otolaryngology (Chapter 10). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 529-628.
14. Pasha R, **Golub JS\***. Anesthesia (Appendix D). In: Pasha R, Golub JS, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018, pp 693-694.
15. **Golub JS\***. Implantable vestibular devices (Chapter 21). In: Weber PC, ed. *Vertigo and Disequilibrium, 2<sup>nd</sup> ed.* New York, NY: Thieme. 2017, pp 207-221.
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## 15e. Books/Textbooks for Medical or Scientific Community

1. Pasha, R, **Golub JS\***, eds. Chern A<sup>§</sup>, asst ed. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 6th ed.* San Diego, CA: Plural Publishing. 2022.  
[Bestseller including reaching #1 in Otolaryngology category on Amazon.com]
2. Pasha R, **Golub JS\***, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 5th ed.* San Diego, CA: Plural Publishing. 2018.  
[Bestseller including reaching #1 in Otolaryngology category on Amazon.com]
3. Pasha R, **Golub JS\***, eds. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 4th ed.* San Diego, CA: Plural Publishing. 2014.  
[Bestseller]
4. **Golub JS**, Schmitt NC, eds. *Otolaryngology Surgical Instrument Guide.* San Diego, CA: Plural Publishing. 2012.
5. Pasha R, ed. **Golub JS**, contributing ed. *Otolaryngology—Head and Neck Surgery: Clinical Reference Guide, 3rd ed.* San Diego, CA: Plural Publishing. 2010.  
[Bestseller]

## 15f. Journal Issues Edited

1. Fina M, **Golub JS**, Lee DJ, eds. Endoscopic ear surgery. *Otolaryngol Clin North Am.* 2021. 54(1).

## 15g. Meetings/Invited Oral and Poster Presentations

*Note: For Peer-Selected/Invited Abstracts (Oral and Poster) and Peer-Selected/Invited Non-Abstract Presentations, see Section 16*

## 15h. Case Reports

1. Caruana FF<sup>§</sup>, **Golub JS**, Lustig LR. Diverticulum at the transverse and sigmoid sinus junction causing pulsatile tinnitus. *Otol Neurotol*. 2023. 44(3): e194-e196. PMID: 36603814.
2. Goodale AD, **Golub JS**, Cornelius RS, Samy RN. Isolated cochlear neuritis from varicella reactivation mimicking vestibular schwannoma. 2016. *World J Otorhinolaryngol Head Neck Surg*. 2(3): 181-184. PMID: 29204564.
3. Musser AB, **Golub JS**, Samy RN, Phero JC. Intraoperative seizure and cerebrospinal fluid leak during adult cochlear implant surgery. 2016. *Cochlear Implants Int*. 17(2):116-119. PMID: 26843205.
4. Costello MS, **Golub JS**, Barrord JV, Pater L, Pensak ML, Samy RN. Cochlear implantation after radiation therapy for acoustic neuroma: case report. 2016. *J Radiosurg SBRT*. 4(1): 69-74. PMID: 29296428
5. Altman AL, **Golub JS**, Pensak ML, Samy RN. Bilateral facial paralysis following ipilimumab infusion for melanoma. *Otolaryngol Head Neck Surg*. 2015. 153(5): 894-895. PMID: 26408564.
6. Tawfik KO, **Golub JS**, Roland JT, Samy RN. Recurrent cochlear implant infection treated with exteriorization and partial mastoid obliteration. *Cochlear Implants Int*. 2016. 17(1): 58-61. PMID: 25955509.
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9. Portone C, **Golub JS**, Johns MM 3rd. Partial esophageal obstruction from anterior cervical spine hardware. *Ear Nose Throat J*. 2009. 88(9): 1112. PMID: 19750474.
10. **Golub JS**, Parikh SL, Budnick SD, Bernardino CR, DelGaudio JM. Inverted papilloma of the nasolacrimal system invading the orbit. *Ophthal Plast Reconstr Surg*. 2007. 23(2): 151-153. PMID: 17413635.
11. **Golub JS**, Hapner E, Johns MM 3rd. Vocal fold hemorrhage observed during laryngoscopy. *Ear Nose Throat J*. 2006. 85(3): 148. PMID: 16615590.
12. **Golub JS**, Johns MM 3rd. Esophageal candidiasis. *Ear Nose Throat J*. 2005. 84(12): 765. PMID: 16408552.

## 15i. Letters to the Editor

1. Suen JJ, Briggs S, Chern A, Eibling D, **Golub J**, Johns M, Kost K, McKinnon B, Parnes S, Sataloff R, Shipp GC, Tulunay-Ugur O, Parham K. Physician oversight of audiological services for older patients: a barrier to hearing healthcare access? *Ear Nose Throat J*. 2021. PMID: 34644516. [Online ahead of print]
2. Olson ES, **Golub JS\***. Response to Groopman J “Lend me your ear.” *The New York Review of Books*. February 8, 2018. Available <http://www.nybooks.com/articles/2018/02/08/lend-me-your-ear/>
3. **Golub JS**, Moe KS. Response to Jackler et al. “Otolaryngology: ‘It’s all Greek to Me.’” *Otolaryngol Head Neck Surg*. 2014. 150(5): 906. PMID: 24789657.

## 15j. Op-Eds and Other Media

1. **Golub JS\***. Over-the-counter hearing aids are an overdue solution. *National Review*. July 27, 2017. Available <https://www.nationalreview.com/2017/07/otc-hearing-aids-helpful-necessary/> [Op Ed]
2. **Golub JS\***. Endoscopic tympanoplasty. [Video] 2016. CSurgeries. [www.csurgeries.com](http://www.csurgeries.com)
3. Poon CP, **Golub JS**, Samy RN, et al. Otology/neurotology surgical videos. [www.youtube.com/cisurgeon](http://www.youtube.com/cisurgeon). [Online Media]
4. Samy RN, **Golub JS**, Marple B, Shoman NM. External ear benign tumors. Medscape Reference. [emedicine.medscape.com](http://emedicine.medscape.com). Updated January 2014. [Online Media] Current version available <https://emedicine.medscape.com/article/845901>
5. Samy RN, Houston L, Honaker J, Battista RA, **Golub JS\***. Hearing loss rehabilitation for acoustic neuroma patients. *Acoustic Neuroma Association*. Revised Aug 2014. [Misc Media]
6. **Golub JS\***. Washington Park Arboretum. *Arch Otolaryngol Head Neck Surg*. 2005. 131(10): 845. Front cover. DOI: 10.1001/archotol.131.10.845 [Cover photograph.]
7. **Golub JS\***. Self portrait of an anonymous medical student. *Current*. Dec 2003: 5(3): Front cover. [Cover photograph.]

## 15k. Thesis

## 15l. Other Non-Peer Reviewed Publications in Print or Other Media

*Note:*

*For Peer-Selected/Invited Abstracts (Oral and Poster) and Peer-Selected/Invited Non-Abstract Presentations, see Section 16*

*For Op-Eds and Other Media, see Section 15j*

1. Ossoff RH, **Golub JS**, Johns MM 3rd, Bradley PJ. Burnout in academic otolaryngology—head and neck surgery. *ENT News*. 2006. 15(4): 84-86. [Invited, non-peer reviewed research article]

## 15m. Non-author Publications

1. Blustein J, Weinstein BE, Chodosh J. Messaging clearly and effectively about hearing loss and increased dementia risk. *JAMA Otolaryngol Head Neck Surg*. 2023. 149(10): 862-863. PMID: 37615946. [Acknowledged]
2. McRackan TR, Hand BN, Cochlear Implant Quality of Life Consortium, Velozo CA, Dubno JR. Development and implementation of the cochlear implant quality of life (CIQOL) functional staging system. *Laryngoscope*. 2022. 132 Suppl 12: S1-S13. PMID: 36082873. [Acknowledged]
3. McRackan TR, Hand BN, Velozo CA, Dubno JR, Cochlear Implant Quality of Life Consortium. Validity and reliability of the cochlear implant quality of life (CIQOL)-35 profile and CIQOL-10 Global instruments in comparison to legacy instruments. *Ear Hear*. 2021. 42(4): 896-908. PMID: 33735907. [Acknowledged]
4. Lalwani AK. Cochlear implant today...pill tomorrow. *JAMA Otolaryngol Head Neck Surg*. 2020. 146(10): 954-955. PMID: 32852524. [Acknowledged]
5. McRackan TR, Hand BN, Velozo CA, Dubno JR. Association of demographic and hearing-related factors with cochlear implant-related quality of life. *JAMA Otolaryngol Head Neck Surg*. 2019. 145(5): 422-430. PMID: 30896742. [Acknowledged]
6. Molina PE, Ahmed N, Gatley J, Volkow ND, Abumrad NN. L-tryptophan attenuation of the dopaminergic and behavioral responses to cocaine. *Life Sci*. 2001. 69(16): 1897-1906. 11693270. [Acknowledged]

\* indicates senior authorship

§ indicates research mentee under my mentorship

## 16. Invited and/or Peer-Selected Presentations

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### List of Subsections

- 16a. Peer-Selected Abstract Presentations (Oral and Poster)
- 16b. Invited Abstract Presentations (Oral and Poster)
- 16c. Peer-Selected Non-Abstract Presentations
- 16d. Invited Non-Abstract Presentations<sup>†</sup>

<sup>†</sup>Note: For invited educational presentations to students and residents, see Section 12a

\* indicates senior authorship

§ indicates research mentee under my mentorship



## 16a. Peer-Selected Abstract Presentations (Oral and Poster)

### Regional Level

1. Chern A<sup>§</sup>, Irace AL<sup>§</sup>, Sharma RK<sup>§</sup>, Zhang Y, Chen Q, **Golub JS**. The longitudinal association of subclinical hearing loss with cognition. Encore oral presentation at the Metropolitan Resident Research Day Symposium. May 2022. New Hyde Park, NY.

### National Level

*Note: COSM = Combined Otolaryngology Spring Meetings*

1. Morse E, Tucker L<sup>§</sup>, Barilka MR, **Golub JS**, Born HB. Dysphagia, cognition, social isolation, and mental health in elderly adults. Oral presentation at the American Broncho-Esophagological Society (ABEA) at COSM. May 15-19, 2024. Chicago, IL. [Accepted]
2. Tucker LH<sup>§</sup>, Alter IL<sup>§</sup>, Dragon JM<sup>§</sup>, Grewal MR<sup>§</sup>, Saperstein A, Stroup TS, Medalia AA, **Golub JS\***. National cohort data suggests an association between serious mental illness and audiometric hearing loss. Encore poster presentation at the National Otolaryngology Interest Group Scholars in Research Virtual Conference. April 2024. Virtual. [Accepted]
3. Tucker LH<sup>§</sup>, Denham MH<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. You are not alone: hearing loss and socialization across national cohorts. Oral presentation at the World Hearing Day Event. Global OHNS Initiative. March 2, 2024. Virtual.
4. Karpowicz K, Fuentes M, Neil H, Bochat S, Boyle S, Dorey C, Martinez D, Ocasio-Portalatin N, Tucker L<sup>§</sup>, **Golub J**, Arnold M, Sanchez V. Psychosocial profile of help-seeking adults with hearing loss. Poster presentation at the American Auditory Society Annual Scientific and Technology Conference. Feb 15-17, 2024. Scottsdale, AZ. [Includes Pilot-EARHLI data]
5. Tucker LH<sup>§</sup>, Denham MW<sup>§</sup>, Rameau A, Kang YJ, Choi N, **Golub JS\***. Dysphonia and hearing loss are additive risk factors for depression in a national cohort. Oral presentation at the Triological Society Combined Sections Meeting. Jan 2024. West Palm Beach, FL.
6. Denham MW<sup>§</sup>, Tucker LH<sup>§</sup>, **Golub JS\***. Hearing loss and discrimination: evidence of intersectionality in the All of Us database. Oral presentation at the Triological Society Combined Sections Meeting. Jan 2024. West Palm Beach, FL.
7. Denham MW<sup>§</sup>, Tucker LH<sup>§</sup>, Gorroochurn P, **Golub JS\***. Hearing loss and reduced income growth: a longitudinal socioeconomic analysis. Oral presentation at the American Academy of Otolaryngology—Head and Neck Surgery Annual Meeting. Oct 2023. Nashville, TN.
8. Denham MW<sup>§</sup>, Arnold ML, Sanchez VA, Lin FR, Luchsinger JA, **Golub JS\***. Design and methods of the Early Age-Related Hearing Loss Investigation (EARHLI) randomized controlled trial. May 2023. Poster presentation at the American Neurotology Society at COSM. May 2023. Boston, MA.

9. Ishak EM<sup>§</sup>, Denham MW<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. Ageism in hearing loss diagnosis and treatment. Poster presentation at the American Otological Society at COSM. May 2023. Boston, MA.
10. Grewal MR<sup>§</sup>, Saperstein A, Stroup TS, Medalia AA, **Golub JS\***. Exploring the association between schizophrenia/serious mental illness and hearing loss in a large scale electronic health record. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2023. Coronado, CA.
11. Grewal MR<sup>§</sup>, Noble JM, **Golub JS\***. Analyzing the relationship between audiometric hearing loss and dementia using a large electronic health record system. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2023. Coronado, CA. [*1<sup>st</sup> Place Poster Award*]
12. Denham M<sup>§</sup>, **Golub JS\***. Multiple forms of stress may be associated with audiometric hearing loss in a national cohort. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2023. Coronado, CA.
13. Grewal MR<sup>§</sup>, **Golub JS\***. Hearing loss is associated with multiple negative emotional states. Oral presentation at the American Academy of Otolaryngology—Head and Neck Surgery Annual Meeting. Sept 2022. Philadelphia, PA.
14. Grewal MR<sup>§</sup>, **Golub JS\***. Exploring the association between hearing loss and frequency of sexual intercourse. Poster presentation at the Triological Society at COSM. April 2022. Dallas, TX.
15. Grewal MR<sup>§</sup>, **Golub JS\***. Hearing loss is associated with smaller social networks in the US Hispanic population. Poster presentation at the American Neurotology Society at COSM. April 2022. Dallas, TX.
16. Dragon JM<sup>§</sup>, Irace AL<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. Hearing aid prevalence and reported hearing difficulty in Americans with subclinical hearing loss. Poster presentation at the American Neurotology Society at COSM. April 2022. Dallas, TX.
17. Dragon JM<sup>§</sup>, Irace AL<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. Prevalence of subclinical hearing loss in the United States. Poster presentation at the American Otological Society at COSM. April 2022. Dallas, TX.
18. Dragon JM<sup>§</sup>, Grewal MR<sup>§</sup>, Saperstein A, Stroup TS, Medalia AA, **Golub JS\***. Serious mental illness may be associated with audiometric hearing loss in a national cohort. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2022. Coronado, CA.
19. Grewal MR<sup>§</sup>, Dragon JM<sup>§</sup>, **Golub JS\***. Age-related disparities in hearing aid use for mild hearing loss in the United States population. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2022. Coronado, CA. [*1<sup>st</sup> Place Poster Award*]
20. Gmelin T, Moored KD, Galvin A, Wojczynski MK, Lin FR, **Golub JS**, Boudreau RM, Glynn NW. Self-reported hearing difficulty and perceived physical and mental fatigability. Oral

- presentation at the Gerontological Society of America Annual Scientific Meeting. Nov 2021. [Virtual meeting due to COVID-19]
21. Kay-Rivest E, Irace AI, **Golub JS**, Svirsky MA. Prevalence of single-sided deafness in the United States. Poster presentation at the American Cochlear Implant Alliance 15<sup>th</sup> International Conference on Cochlear Implants (CI2021). April 2021. [Virtual meeting due to COVID-19; authors added after abstract submission]
  22. Cheung AY, Stepp WH, **Golub JS**, Levi JR, Reyes SA. Otomatch, AAMC and NRMP: How do they match up? Poster presentation at the Triological Society at COSM. April 2021. [Virtual meeting due to COVID-19]
  23. Chern A<sup>§</sup>, Sharma RK<sup>§</sup>, **Golub JS\***. Hearing loss and incident dementia: claims data from the New York SPARCS database. Oral presentation at the American Otological Society at COSM. April 2021. [Virtual meeting due to COVID-19]
  24. Chern A<sup>§</sup>, Irace AL<sup>§</sup>, **Golub JS\***. The laterality of age-related hearing loss and depression. Poster presentation at the American Neurotology Society at COSM. April 2021. [Virtual meeting due to COVID-19]
  25. Irace AL<sup>§</sup>, Rippon BQ, Brickman AM, Luchsinger JA, **Golub JS\***. The laterality of early age-related hearing loss and brain  $\beta$ -amyloid. Oral presentation at the American Neurotology Society at COSM. April 2021. [Virtual meeting due to COVID-19]
  26. Irace AL<sup>§</sup>, Rippon B, Thami M, Luchsinger JA, **Golub JS\***. Brain resting state functional connectivity and age-related hearing loss. Oral presentation at the American Auditory Society Annual Conference. March 2021. [Virtual meeting due to COVID-19] [*Mentee Travel Award*]
  27. Chern A<sup>§</sup>, Irace AL<sup>§</sup>, Sharma RK<sup>§</sup>, Zhang Y, Chen Q, **Golub JS\***. The longitudinal association of subclinical hearing loss with cognition. Oral presentation at the American Auditory Society Annual Conference. March 2021. [Virtual meeting due to COVID-19]
  28. Chern A<sup>§</sup>, Irace AL<sup>§</sup>, **Golub JS\***. The laterality of early age-related hearing loss and cognition. Poster presentation at the American Auditory Society Annual Conference. March 2021. [Virtual meeting due to COVID-19] [*Mentee Travel Award*]
  29. Irace AL<sup>§</sup>, Armstrong NM, Deal JA, Chern A<sup>§</sup>, Ferrucci L, Lin FR, Resnick SM, **Golub JS\***. A longitudinal analysis of the association between subclinical hearing loss and cognition. Poster presentation at the Gerontological Society of America Annual Scientific Meeting. Nov 2020. [Virtual meeting due to COVID-19]
  30. Sharma RK<sup>§</sup>, Lalwani AK, **Golub JS\***. Modeling hearing loss progression and asymmetry in the older old: a national population-based survey. Poster presentation at the Gerontological Society of America Annual Scientific Meeting. Nov 2020. [Virtual meeting due to COVID-19]
  31. Sharma RK<sup>§</sup>, Martinez MN, Turney IC, Brickman AM, Manly JJ, **Golub JS\***. Association of words-in-noise testing and neurocognitive measures. Poster presentation at the American Association of Otolaryngology—Head and Neck Surgery Foundation Annual Meeting. Sept

2020. [Virtual meeting due to COVID-19]

32. Dodhia S, Sharma R, **Golub JS**, Overdevest J, Gudis D. Demographic predictors of complications in endoscopic sinus surgery in national database. Poster presentation at the American Rhinologic Society. Sept 2020. [Virtual meeting due to COVID-19]
33. Sharma RK<sup>§</sup>, Lalwani AK, **Golub JS\***. Prevalence and severity of hearing loss in the older old in the United States: a population-based study. Poster presentation at the American Otological Society at COSM. April 2020. [Virtual meeting due to COVID-19]
34. **Golub JS**, Sharma RK<sup>§</sup>, Rippon BQ, Brickman AM, Luchsinger JA. A new longitudinal cohort to study the mechanistic relationship between hearing loss and dementia. Oral presentation at Triological Society Combined Sections Meeting. Jan 2020. Coronado, CA.
35. Chern A<sup>§</sup>, Sharma RK<sup>§</sup>, **Golub JS\***. The value of minimizing postoperative pain and numbness when undergoing ear surgery. Poster presentation at Triological Society Combined Sections Meeting. Jan 2020. Coronado, CA
36. **Golub JS**, Brewster KK, Brickman AM, Ciarleglio AJ, Luchsinger JA, Rutherford BR. Subclinical age-related hearing loss is inversely associated with depressive symptoms. Oral presentation at Gerontological Society of America Annual Scientific Meeting. Nov 2019. Austin, TX.
37. **Golub JS**, Brickman AM, Ciarleglio AJ, Schupf N, Luchsinger JA. Subclinical age-related hearing loss is associated with cognitive impairment. Oral Presentation at American Neurotology Society at COSM. May 2019. Austin, TX.
38. Maurrasse SE<sup>§</sup>, Ciarleglio AJ, **Golub JS\***. Educational value of endoscopic versus microscopic ear surgery. Poster Presentation at American Otological Society at COSM. May 2019. Austin, TX.
39. Gibson AW, Moon IJ, **Golub JS**, Rubinstein JT. A retrospective matched comparison of endolymphatic shunt surgery and intratympanic gentamicin for Meniere's disease. Poster presentation at American Neurotology Society at COSM. May 2019. Austin, TX.
40. Brewster KK, Stein A, Pavlicova M, Chen C, Kim A, Brown PJ, **Golub J**, Galatioto J, Kuhlmeier M, Olson E, Roose S, Brickman A, Rutherford BR. Hearing aids and depression: a methods study. Poster presentation at American Association for Geriatric Psychiatry. March 2019. Atlanta, GA.
41. Lin J, Moonis G, **Golub JS**, Lustig L. Middle ear space occupied by ossicular prostheses increases with age. Poster presentation at the American Academy of Otolaryngology—Head and Neck Surgery Annual Scientific Meeting. Oct 2018. Atlanta, GA.
42. Sharma R, Grisel JJ, **Golub JS\***. Creation of a formula to convert between consonant-nucleus-consonant (CNCw) and AzBio test scores using imputation in a national cochlear implant database. Oral presentation at the American Neurotology Society at COSM. April 2018. National Harbor, MD.

43. Sharma RK<sup>§</sup>, Chen SY<sup>§</sup>, Grisel JJ, **Golub JS\***. Assessing cochlear implant performance in older adults using a single, universal outcome measure created via imputation in a national web-based database. Oral presentation at American Otological Society at COSM. April 2018. National Harbor, MD.
44. Sharma RK<sup>§</sup>, Liu Y, Duong J, Grisel JJ, **Golub JS\***. Creation of a single, universal performance measure using multiple imputation in a national web-based cochlear Implant database. Oral presentation at the American Cochlear Implant Alliance Emerging Issues in Cochlear Implantation Symposium (CI2018). March 2018. Washington, DC.
45. Grisel JJ, Schafer E, **Golub JS**, Sharma R. The power and potential of big data. Oral presentation at the American Cochlear Implant Alliance Emerging Issues in Cochlear Implantation Symposium (CI2018). March 2018. Washington, DC.
46. Sharma RK<sup>§</sup>, **Golub JS\***. Surgical wound complications after cochlear implantation due to pyoderma gangrenosum. Oral presentation at the William House Cochlear Implant Study Group at the American Neurotology Society. Sept 2017. Chicago, IL.
47. **Golub JS**, Doyle JB<sup>§</sup>, Raghunathan R, Cai Y<sup>§</sup>, Cellum I, Bowditch S, Li G. Longitudinal analysis of sound exposure and usage in cochlear implant subjects using objective data logs: a multicentered study. Poster presentation at the American Otological Society at COSM. April 2017. San Diego, CA.
48. Doyle JB<sup>§</sup>, Raghunathan R, Cellum I, Li G, **Golub JS\***. Longitudinal tracking and prediction of sound exposure and usage in hearing aid wearers using objective data logs. Poster presentation at the American Otological Society at COSM. April 2017. San Diego, CA.
49. Chen SY<sup>§</sup>, Grisel JJ, Lam A, **Golub JS\***. Assessing cochlear implant outcomes in older adults using HERMES, a national web-based database. Oral presentation at the American Neurotology Society at COSM. April 2017. San Diego, CA.
50. **Golub JS**, Lustig LR, Lalwani AK. Prevalence of adult unilateral hearing loss and hearing aid use in the United States. Poster presentation at the Triological Society Combined Section Meeting. Jan 2017. New Orleans, LA.
51. Feltus W, **Golub J**, Moonis G. Post surgical temporal bone imaging for inflammatory disease: the ‘plastys, ‘otomys, and ‘ectomies. Oral presentation at the American Society of Head and Neck Radiology. Sept 2016. Washington DC.
52. Kosty J, DiNapoli V, Gozal Y, Patel S, **Golub JS**, Goodale A, Andaluz N, Stevens S, Pensak M, Zuccarello M, Samy RN. Middle fossa approach for resection of vestibular schwannomas: surgical results in the radiosurgery era. Oral presentation at the North American Skull Base Society. Feb 2016. Scottsdale, AZ.
53. Poon CB, Samy RN, **Golub JS**, Stevens S, Pensak M. The impact of otology surgery videos on resident training. Oral presentation at the Triological Society Combined Section Meeting. Jan 2016. Miami, FL.

54. **Golub JS**, Hixson NH, Hammer T, Houston L, Meinzen-Derr J, Syms MJ, Samy RN. Assessing factors important to prospective cochlear implant candidates. Poster presentation at the American Cochlear Implant Alliance Emerging Issues in Cochlear Implantation Symposium (CI2018). Oct 2015. Washington, DC.
55. Altman A, **Golub JS**, Samy RN. Bilateral facial paralysis after ipilimumab infusion for melanoma. Oral presentation at the Facial Nerve Study Group at the American Neurotology Society Fall Meeting. Sept 2015. Dallas, TX.
56. **Golub JS**, Hammer T, Samy RN. Bilateral facial nerve stimulation after cochlear implantation occurring with device on and off. Oral presentation at the William House Cochlear Implant Study Group at the American Neurotology Society. Sept 2015. Dallas, TX.
57. Hixson NH, **Golub JS**, Hammer T, Houston L, Syms M, Samy RN. Cochlear implant initial activation: modernizing the audiologic protocol. Poster presentation at the American Academy of Audiology Annual Meeting. March 2015. San Antonio, TX. [*Poster Award*]
58. **Golub JS**, Pottschmidt N<sup>§</sup>, Weber JD<sup>§</sup>, Zuccarello M, Pensak ML, Andaluz N, Samy RN. Optimization of the ultrasonic bone aspirator in retrosigmoid vestibular schwannoma removal. Poster presentation at the North American Skull Base Society Annual Meeting. Feb 2015. Tampa, FL.
59. Goodale AD, **Golub JS**, Cornelius RS, Samy RN. Cochlear neuritis from varicella reactivation mimicking vestibular schwannoma. Poster presentation at the Triological Society Combined Sections Meeting. Jan 2015. San Diego, CA.
60. Kuhn JJ, Samy RN, **Golub JS**, Choo DI. Efficacy of bilateral cochlear implants in children: gaps in the evidence. Oral presentation at the American Cochlear Implant Alliance 14<sup>th</sup> Symposium on Cochlear Implants in Children (CI2014). Dec 2014. Nashville, TN.
61. Samy RN, **Golub JS**, Kuhn JJ. Use of the flexible CO<sub>2</sub> laser in hearing preservation cochlear implant surgery: a review of the University of Cincinnati experience. Oral presentation at the American Cochlear Implant Alliance 14<sup>th</sup> Symposium on Cochlear Implants in Children (CI2014). Dec 2014. Nashville, TN.
62. **Golub JS**, Roland JT, Samy RN. Six years of recalcitrant post cochlear implant infection treated with mastoid exteriorization and electrode coverage with bone pâté. Oral presentation at the William House Cochlear Implant Study Group at the American Neurotology Society. Sept 2014. Orlando, FL.
63. Buchanan PC, **Golub JS**, Samy RN. Canal wall reconstruction tympanomastoidectomy with mastoid obliteration: outcomes in smokers. Oral presentation at the American Academy of Otolaryngology—Head and Neck Surgery Annual Meeting. Sept 2014. Orlando, FL.
64. **Golub JS**, Weber JD<sup>§</sup>, Samy RN, Zuccarello M, Pensak ML. Near elimination of bone dust dispersion with an ultrasonic bone aspirator: implications for the retrosigmoid approach. Poster presentation at the American Neurotology Society at COSM. May 2014. Las Vegas, NV.

65. Moon IJ, **Golub JS**, Rubinstein JT. Endolymphatic shunt surgery in the era of intratympanic gentamicin. Oral presentation at the American Otological Society at COSM. May 2014. Las Vegas, NV.
66. Buchanan PC, **Golub JS**, Samy RN. Canal wall reconstruction tympanomastoidectomy with mastoid obliteration for the treatment of cholesteatoma in children. Poster presentation at the American Otological Society at COSM. May 2014. Las Vegas, NV.
67. **Golub JS**, Samy RN, Abruzzo, Zucarello M, Pensak ML. Use of Onyx embolization in lateral skull base surgery. Poster presentation at the North American Skull Base Society Annual Meeting. Feb 2014. San Diego, CA.
68. **Golub JS**, Samy RN, Houston L, Dimitrijevic A. Enhancing cochlear implant convenience with early activation and no shaving. Poster presentation at the Triological Combined Sections Meeting. Jan 2014. Miami, FL.
69. **Golub JS**, Ling L, Bierer SM, Nie K, Phillips JO, Rubinstein JT. Implantation of the vestibular system: monkey and man. Oral presentation at the American Otological Society at COSM. April 2012. San Diego, CA.
70. **Golub JS**, Nguyen TB, Palmiter RD, Hume CR, Tong L, Rubel EW, Stone JS. Death and regeneration of vestibular hair cells in the *Pou4f3*-diphtheria toxin receptor mouse model. Poster presentation at the Association for Research in Otolaryngology. Feb 2012. San Diego, CA.
71. Rubinstein JT, Phillips JO, Nie K, Ling L, Bierer SM, **Golub J\***. Feasibility studies of the UW/Nucleus vestibular implant for Meniere's disease: first human data. Oral presentation at the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum. Sept 2011. Bruges, Belgium.
72. **Golub JS**, Won JH, Drennan WR, Worman TD, Rubinstein JT. Spectral and temporal measures in Hybrid cochlear implant users: on the mechanism of electroacoustic hearing benefits. Oral presentation at the American Otological Society at COSM. May 2011. Chicago, IL.
73. **Golub JS**, Mong S, Weissbrod PA, Varghese TK, Meyer TK. *Klebsiella pneumoniae* descending cervical necrotizing fasciitis originating as a paraglottic abscess. Poster presentation at the American Laryngological Association at COSM. May 2011. Chicago, IL.
74. **Golub JS**, Nguyen TB, Tong L, Palmiter RD, Rubel EW, Stone JS. Mammalian hair cell regeneration after selective genetic ablation of hair cells with diphtheria toxin. Poster presentation at the Association for Research in Otolaryngology. Feb 2011. Baltimore, MD.
75. **Golub JS**, Lin V, Nguyen TB, Hume CR, Oesterle EC, Stone JS. Inhibition of  $\gamma$ -secretase activity promotes non-mitotic regeneration of hair cells in the adult mouse utricle. Oral presentation at the Association for Research in Otolaryngology. Feb 2011. Baltimore, MD.
76. Contag SP, **Golub JS**, Teknos TN, Nussenbaum B, Arnold JE, Stack B, Johns MM 3<sup>rd</sup>. Professional burnout among microvascular and reconstructive free-flap head and neck surgeons

in the USA. Poster presentation at the American Head & Neck Society at COSM. April 2010. Las Vegas, NV.

77. **Golub JS**, Johns MM 3rd, Weiss PS, Ramesh AK, Ossoff RH. Burnout in academic faculty of otolaryngology—head and neck surgery. Oral presentation at the Triological Society at COSM. May 2008. Orlando, FL.
78. **Golub JS**, Johns MM 3rd, DelGaudio JM, Klein AM. Comparison of an oropharyngeal pH probe and a standard dual pH probe for diagnosis of laryngopharyngeal reflux. Oral presentation at the American Broncho-Esophagological Association at COSM. May 2008. Orlando, FL.
79. **Golub JS**, Johns MM 3rd, DelGaudio JM, Klein AM. Preliminary comparison of an oropharyngeal aerosolized pH probe and a standard dual pH probe for diagnosis of laryngopharyngeal reflux. Encore poster presentation at the Voice Foundation Annual Symposium. Jun 2007. Philadelphia, PA. [*Best Poster Award, honorable mention.*]
80. Chen PH, **Golub JS**, Hapner E, Johns MM 3rd. Prevalence of perceived dysphagia and quality of life impairment in a geriatric population. Poster presentation at the American Geriatrics Society Annual Scientific Meeting. May 2007. Seattle, WA.
81. **Golub JS**, Johns MM 3rd, DelGaudio JM, Klein AM. Preliminary comparison of an oropharyngeal aerosolized pH probe and a standard dual pH probe for diagnosis of laryngopharyngeal reflux. Poster presentation at the American Broncho-Esophagological Association at COSM. April 2007. San Diego, CA.
82. Henriquez OA, Smith JQ, Abdelkafy WM, **Golub JS**, Kim YT, Rojas M, Brigham KL, Bellamkonda RV, Johns MM. Slow-release nanoparticle encapsulated delivery system for laryngeal injection. Oral presentation at the American Laryngological Association at COSM. April 2007. San Diego, CA.
83. Abdelkafy WM, Smith JQ, Henriquez OA, **Golub JS**, Xu J, Rojas M, Brigham KL, Johns MM. Age-related changes in the murine vocal fold. Oral presentation at the American Broncho-Esophagological Association at COSM. April 2007. San Diego, CA.
84. **Golub JS**, Chen PH, Hapner E, Johns MM 3rd. Prevalence of perceived dysphonia in a geriatric population. Poster presentation at the American Geriatrics Society Annual Scientific Meeting. May 2006. Chicago, IL.
85. Johns MM 3rd, Abdelkafy W, **Golub JS**, Xu J, Rojas M, Brigham K. Use of bone marrow-derived mesenchymal stem cells in the aging larynx. Poster presentation at the American Geriatrics Society Annual Scientific Meeting. May 2006. Chicago, IL.

## International Level

1. Grewal MR<sup>§</sup>, Denham MW<sup>§</sup>, **Golub JS\***. Hearing loss is associated with greater measures of despair. Oral presentation at the International Federation of Otorhinolaryngological Societies (IFOS) 2023 World Meeting. Jan 2023. Dubai, UAE.



2. Denham MW<sup>§</sup>, **Golub JS\***. Hearing loss is associated with increased substance use in a multicentered American cohort. Oral presentation at the International Federation of Otorhinolaryngological Societies (IFOS) 2023 World Meeting. Jan 2023. Dubai, UAE.
3. Denham MW<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. A systematic review of ergonomic considerations in endoscopic ear surgery. Oral presentation at the 4<sup>th</sup> World Congress on Endoscopic Ear Surgery. Dec 2022. Kyoto, Japan.
4. Chiang H<sup>§</sup>, Yu M<sup>§</sup>, Chun MB<sup>§</sup>, Kaczmarczy KK<sup>§</sup>, **Golub JS\***. Postoperative discomfort after transcanal endoscopic ear surgery assessed longitudinally by daily text message survey. Presentation at the 3<sup>rd</sup> World Congress on Endoscopic Ear Surgery. June 2019. Boston, MA.

## 16b. Invited Abstract Presentations (Oral and Poster)

### Local Level

1. Denham MW<sup>§</sup>, **Golub JS\***. Stress is associated with audiometric hearing loss in a national Hispanic cohort. Encore poster presentation at the Vagelos College of Physicians and Surgeons Student Research Day. March 2023. New York, NY.
2. Ishak EM<sup>§</sup>, Denham MW<sup>§</sup>, Grewal MR<sup>§</sup>, **Golub JS\***. Ageism in hearing loss diagnosis and treatment of hearing loss. Encore poster presentation at the Vagelos College of Physicians and Surgeons Student Research Day. March 2023. New York, NY. [*3<sup>rd</sup> Place Best Poster Award*]
3. Dragon JM<sup>§</sup>, Grewal MR<sup>§</sup>, Saperstein A, Stroup TS, Medalia AA, **Golub JS\***. Serious mental illness may be associated with audiometric hearing loss in a national cohort. Encore poster presentation at the Vagelos College of Physicians and Surgeons Student Research Day. March 2022. New York, NY.
4. Irace AL<sup>§</sup>, Rippon BQ, Brickman AM, Luchsinger JA, **Golub JS\***. The laterality of early age-related hearing loss and brain  $\beta$ -amyloid. Encore poster presentation at the Vagelos College of Physicians and Surgeons Student Research Day. March 2021. New York, NY.
5. Irace AL<sup>§</sup>, Armstrong NM, Deal JA, Chern A<sup>§</sup>, Ferrucci L, Lin FR, Resnick SM, **Golub JS\***. A longitudinal analysis of the association between subclinical hearing loss and cognition. Encore poster presentation at the Columbia University Department of Surgery Research Symposium. Oct 2020. New York, NY.
6. Irace AL<sup>§</sup>, Shin P<sup>§</sup>, Rippon BQ, Brickman AM, Luchsinger JA, **Golub JS\***. The laterality of early age-related hearing loss and brain beta-amyloid. Encore poster presentation at the Columbia University Department of Surgery Research Symposium. Oct 2020. New York, NY.
7. Brewster K, Brown PJ, Roose S, Broft A, Kim AH, **Golub J**, Rutherford B. Mechanisms linking hearing loss, late-life depression, and cognitive decline. Poster presentation at the Columbia University Department of Psychiatry Annual Science Celebration. Feb 2020. New York, NY.

8. Maurrasse S<sup>§</sup>, Drusin M<sup>§</sup>, Ciarleglio AJ, **Golub JS\***. Educational value of endoscopic ear surgery. Oral presentation at the Columbia University Department of Otolaryngology—Head and Neck Surgery Resident Research Day. June 2019. New York, NY
9. **Golub JS**, Chen PH, Hapner E, Johns MM 3rd. Prevalence of perceived dysphonia in a geriatric population. Poster presentation at the Emory University School of Medicine Student Research Day. Jan 2006. Atlanta, GA.
10. **Golub JS**, Kim YT, Taylor WR, Bellamkonda, RV, Guldberg RE. Vasculogenic growth factor encapsulated PLGA nanoparticles for tissue engineering. Poster presentation at the Emory University School of Medicine Student Research Day. Jan 2006. Atlanta, GA.
11. **Golub JS**, Ramesh AK, Ossoff R, Johns MM 3rd. Burnout in residents of otolaryngology—head and neck surgery. Poster presentation at the Emory University School of Medicine Student Research Day. Jan 2006. Atlanta, GA.
12. **Golub JS**, Lee YN, Krauss RS. Screen for cell surface proteins that mediate myogenic differentiation. Poster presentation at the Mount Sinai School of Medicine Sigma Xi Scholar Research Symposium. Aug 2000. New York, NY.

## 16c. Peer-Selected Non-Abstract Presentations

### National Level

1. **American Academy of Otolaryngology—Head and Neck Surgery**, Nashville, TN, 10/3/23  
*Panel: Endoscopic Ear Surgery in Clinical Practice*  
Panelist: Panel discussion
2. **American Academy of Otolaryngology—Head and Neck Surgery**, Nashville, TN, 10/1/23  
*Panel: Hearing & Cognition: What Can We Do About it?*  
Speaker: Hearing loss & cognition: when does the relationship start?
3. **Gerontological Society of America**, Indianapolis, IN, 11/4/22  
*Symposium: 2021 Editor's Choice Articles From JGMS: Novel Interventions and Targets for the Prevention of Dementia and Frailty*  
Speaker: Age-related hearing loss, late-life depression, and risk for incident dementia in older adults
4. **American Society for Radiation Oncology (ASTRO)**, San Antonio, TX, 10/25/22  
*Panel: Management of Radiation-Induced CNS Toxicities*  
Speaker: Management of radiation-induced hearing loss
5. **American Academy of Otolaryngology—Head and Neck Surgery**, Philadelphia, PA, 9/12/22  
*Panel: Hearing & Cognition: What's the Connection? What Can We Do About it?*  
Speaker: Hearing loss & cognition: when does the relationship start?

6. **American Academy of Otolaryngology—Head and Neck Surgery**, Philadelphia, PA, 9/13/22  
*Panel: Endoscopic Ear Surgery: Tips & Pearls*  
 Moderator
7. **Gerontological Society of America**, Virtual, 11/12/2021  
*Symposium: 2020 Editor's Choice Articles from JGMS: Focus on Vulnerable Populations*  
 Speaker: Audiometric age-related hearing loss and cognition in the Hispanic Community Health Study
8. **American Academy of Otolaryngology—Head and Neck Surgery**, Virtual, 9/2021  
*Panel: Hearing & Cognition: What's the Connection? What Can We Do About it?*  
 Speaker: Hearing loss & cognition: when does the relationship start?
9. **Gerontological Society of America**, Virtual, 11/7/20  
*Symposium: Understanding the Sensory Loss-Cognitive Function Relationship in Older Adults: Biomarker or Causal Risk Factor*  
 Speaker: Hearing loss and cognitive decline: casual evidence
10. **American Academy of Otolaryngology—Head and Neck Surgery**, Virtual, 9/2020  
*Panel: Hearing & Cognition: What's the Connection? What Can We Do About it?*  
 Speaker: Hearing loss & cognition: when does the relationship start?
11. **American Association for Geriatric Psychiatry**, Atlanta, GA, 3/4/19  
*Panel: Age-Related Hearing Loss as a Risk Factor for Late Life Depression and Cognitive Decline*  
 Speaker: Age-related hearing loss and cognitive impairment

## International Level

### 16d. Invited Non-Abstract Presentations

*Note: For invited educational presentations directly to local students and residents, see Section 12a*

## Local Level: Columbia University and NewYork-Presbyterian

1. *Faculty Development Series for Procedural Specialists [audience: all surgeons]*, 12/7/23  
 Panelist: Research as a proceduralist
2. *Otolaryngology Update (Oto Update)*, 10/12/23  
 Speaker: Status of endoscopic ear surgery  
 Panelist: Otology cases
3. *6<sup>th</sup> Columbia Endoscopic Surgery Course*, 6/2/23  
 Section Moderator: Endoscopic ear and eustachian tube surgery  
 Panel Moderator: Endoscopic ear surgery  
 Speaker: Introduction and what is endoscopic ear surgery?

Speaker: New and future technology

4. *Otolaryngology—Head and Neck Surgery Monthly Research Conference*, 6/22/23  
Speaker: Hearing loss may be bad for your mind
5. *Emeritus Professors in Columbia (EPIC)*, Columbia University, 2/15/23  
Speaker: The relationship between hearing and the mind
6. *Barnard Signs the Way*, Barnard College, 9/23/22  
Panelist: Cochlear implants
7. *5<sup>th</sup> Columbia Endoscopic Surgery Course*, 5/20/22  
Section Moderator: Endoscopic ear and eustachian tube surgery  
Panel Moderator: Endoscopic ear surgery  
Speaker: Introduction and what is endoscopic ear surgery?  
Speaker: New and future technology
8. *Going Against the Grain: Surgical Innovation in Otolaryngology—Head and Neck Surgery*, 10/14/21  
Panelist: Developing an endoscopic ear surgery program
9. *4<sup>th</sup> Columbia Endoscopic Surgery Course*, 6/11/21  
Section Moderator: Endoscopic ear and eustachian tube surgery  
Panel Moderator: Endoscopic ear and eustachian tube surgery  
Speaker: Introduction and what is endoscopic ear surgery?  
Speaker: New and future technology
10. *2021 Age Boom Academy: Combating Loneliness in Aging*, 5/6/21-5/7/21  
(Sponsored by the Columbia Journalism School and the Columbia Aging Center)  
Speaker: It's big: age-related hearing loss & loneliness  
Panelist: The toll on health and in healthcare settings  
Interviewee with Journalists: Ask me anything (multiple sessions)
11. *Otolaryngology Update (Oto Update)*, 10/16/20  
Speaker: Endoscopes in ear surgery: does should you take a course?  
Speaker: Scary cases in otology  
Panelist: Otology panel  
Panelist: General otolaryngology panel
12. *3<sup>rd</sup> Columbia Endoscopic Surgery Course*, 6/3/20  
Section Moderator: Endoscopic ear and eustachian tube surgery  
Panel Moderator: Endoscopic ear and eustachian tube surgery  
Speaker: Introduction and what is endoscopic ear surgery?  
Speaker: Eustachian tube dilation surgical steps
13. *Experts Summit on ORL & Respiratory Care (Abbott)*, 6/27/19-6/28/19  
Speaker: Endoscopic surgery of the middle ear  
Section Moderator: Endoscopic ear and eustachian tube surgery

Speaker: Otitis media

Speaker: Vestibular problems in the elderly

14. *2<sup>nd</sup> Columbia Endoscopic Ear, Eustachian Tube, and Sinus Surgery Course*, 5/16/19

Section Moderator: Endoscopic ear and eustachian tube surgery

Panel Moderator: Endoscopic ear and eustachian tube surgery

Speaker: What is endoscopic ear surgery?

15. *Amplifon* (visiting Italian/Spanish otolaryngologist/audiologists), 5/11/19

Speaker: My approach to the dizzy patient

Speaker: Endoscopic ear surgery

16. *Otolaryngology Update (Oto Update)*, 10/18/18

Speaker: Age-related hearing loss and depression, endoscope in ear surgery: does it add value?

17. *1<sup>st</sup> Columbia Endoscopic Ear, Eustachian Tube, and Sinus Surgery Course*, 6/7/18

Section Moderator: Endoscopic ear and eustachian tube surgery

Panel Moderator: Endoscopic ear surgery cases

Speaker: What is endoscopic ear surgery?

18. *Otolaryngology—Head and Neck Surgery Grand Rounds*, 4/26/18.

Speaker: Brain effects of age-related hearing loss

19. *Emeritus Professors in Columbia (EPIC)*, 4/10/18

Speaker: Does age-related hearing loss affect the brain?

20. *Medicine Conference*, NYP/Lawrence Hospital, 10/10/17

Speaker: The electronic ear: implants for hearing, tinnitus, and balance

21. *Otolaryngology—Head and Neck Surgery Grand Rounds*, 1/12/17

Speaker: the next golden area of otology: electronic implants for hearing, balance, and tinnitus

22. *Otolaryngology Update (Oto Update)*, 10/23/16

Section Moderator: Skull base surgery

Panel Moderator: What would you do?

Speaker: The team: resection, radiation, and rehab

23. *Neurosurgery Grand Rounds*, 8/4/16

Speaker: Neurosensory prostheses: a new golden age?

24. *Medicine Grand Rounds*, NYP/Allen Hospital, 4/28/16

Speaker: The electronic ear: implants for hearing, tinnitus, and balance

25. *Grand Rounds*, ColumbiaDoctors Westchester, 10/16/15

Speaker: The bionic ear: electronic implants for hearing, balance, and tinnitus

**Local Level: University of Cincinnati**

1. *Otolaryngology—Head and Neck Surgery Grand Rounds Panel*, 4/1/15  
Speaker: You would do what?
2. *Otolaryngology—Head and Neck Surgery Grand Rounds*, 10/15/14  
Speaker: The next golden era of otology/neurotology
3. *Emergency Medicine Grand Rounds*. 10/1/14  
Speaker: Otologic emergencies
4. *Chief of Medicine Conference*. 6/2/09  
Speaker: Supraglottitis

### Regional Level

1. **Medical University of South Carolina**, Virtual 5/15/23  
*Neurotology Eastern Region Virtual Education (NERVE) Series*  
Speaker: Hearing and cognition
2. **Lenox Hill/Manhattan Eye and Ear Hospital**, Virtual 3/7/23  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
Speaker: Hearing loss is bad for you: evidence and next steps
3. **Medical University of South Carolina**, Virtual 5/16/22  
*Neurotology Eastern Region Virtual Education (NERVE) Series*  
Speaker: Endoscopic ear surgery
4. **Northwell Health/Long Island Jewish Medical Center**, Virtual, 12/15/20  
*Vestibular Disorders: Fifth Annual Symposium*  
Speaker: Overview of causes of dizziness after head and neck surgery
5. **Rutgers NJ School of Medicine**, Virtual, 6/7/20  
*NJ/NY Endoscopic Ear Surgery Course*  
Speaker: Getting started in endoscopic ear surgery  
Speaker: Evidence of improved outcomes and teaching  
Panelist: Panel discussion
6. **Northwell Health/North Shore University Hospital**, Manhasset, NY, 11/18/19  
*Vestibular Disorders: Fourth Annual Symposium*  
Panelist: Clinical case presentations  
Panelist: Let's talk!
7. **SUNY Downstate Health Sciences University**, Brooklyn, NY, 9/4/19  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
Speaker: How does hearing affect depression and dementia?
8. **Northwell Health/Zucker School of Medicine**, New York, NY, 3/30/19  
*Implantable Auditory Devices Update 2019*  
Panelist: Adult case presentations

9. **Northwell Health/North Shore University Hospital**, Manhasset, NY, 11/13/17  
*Vestibular Disorders: Second Annual Symposium*  
Speaker: Vestibular Implants
10. **Northwell Health/Long Island Jewish Medical Center**, New Hyde Park, NY, 10/5/17  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
Speaker: The consequences of age-related hearing loss
11. **Albert Einstein College of Medicine**, Bronx, NY, 3/17/17  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
Speaker: The consequences of hearing loss
12. **Northwell Health/New York Head and Neck Institute**, New York, NY, 10/1/16  
*Implantable Auditory Devices Update 2016*  
Speaker: Physiology and history of osteointegration  
Panelist: Adult case presentations

### National Level

1. **Washington University**, St Louis, MO, 11/18/24  
*AuRA (Auditory Research Advances) Conference, Depts of Neuroscience and Otolaryngology*  
Invited Guest Speaker
2. **House Ear Clinic**, Los Angeles, CA, 9/15/23 [Virtual]  
*Grand Rounds*  
Speaker: Does hearing loss affect the brain?
3. **University of Texas Southwestern**, Dallas, TX 8/4/23  
*Distinguished Visiting Professor, Otolaryngology—Head and Neck Surgery*  
Speaker: Statistics and epidemiology for dummies  
Speaker: The brain effects of age-related hearing loss
4. **Lehigh Valley Health Network**, Allentown, PA 6/30/23  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
Speaker: The relationship between hearing and the mind
5. **University of Washington**, Seattle, WA, 5/1/23 [Virtual]  
*Institute for Medical Data Science Seminar Series*  
Speaker: The brain effects of age-related hearing loss: what the data tells us
6. **Johns Hopkins Bloomberg School of Public Health**, Baltimore, MD 4/28/23  
*Cochlear Center for Hearing and Public Health Annual Research Day*  
Speaker: When do the consequences of age-related hearing loss begin?
7. **Triological Society**, Coronado, CA, 1/25/23  
*2023 Midwinter Meeting*  
Panelist: Incorporating over-the-counter hearing aids into your practice

8. **American Society of Geriatric Otolaryngology**, Virtual, 12/1/22  
*2022 Seminar Series*  
 Moderator: Over-the-counter hearing aids: a panel discussion
9. **BRAINWeek**, Las Vegas, NV, 9/30/22  
*BRAINWeek: Practical Education for Practitioners Treating CNS Disorders*  
 Speaker: The relationship between depression and subclinical hearing loss
10. **Hearing Loss Association of America (HLAA)**, Tampa, FL, 6/24/22  
*Annual Convention*  
 Panelist: Cochlear implants and older adults  
 Panelist: Surgeons' experience: cochlear implants in the tenth decade
11. **Vanderbilt University**, Nashville, TN, 4/1/22 [Virtual]  
*8<sup>th</sup> Annual Endoscopic Middle Ear Surgery Course*  
 Speaker: Endoscopic ear anatomy
12. **University of Colorado**, Vail, CO, 2/2/22-2/3/22  
*2021 Midwinter Meeting*  
 Speaker: Brain effects of untreated age-related hearing loss  
 Speaker: Advantages of endoscopic ear surgery in chronic otitis media
13. **Stanford University/Stanford Center on Longevity**, Virtual, 12/7/21  
*2021 Century Summit*  
 Panelist: Rethinking care
14. **Society of University Otolaryngologists**, Virtual, 11/13/21  
*Annual Meeting*  
 Panelist: A conversation on personal resilience and wellness
15. **Duke University Margolis Center for Health Policy**, Durham, NC, 9/15/21 [Virtual]  
*Future of Hearing Restoration Innovation*  
 Reactor: The future of hearing care therapeutic development
16. **PAINWeek**, Las Vegas, NV, 9/11/21  
*15<sup>th</sup> Annual PAINWeek National Conference (BRAINWeek Track)*  
 Speaker: I can't hear you: association of subclinical hearing loss with cognition
17. **Vanderbilt University**, Nashville, TN, 5/21/21 [Virtual]  
*7<sup>th</sup> Annual Endoscopic Middle Ear Surgery Course*  
 Speaker: Endoscopic ear anatomy  
 Speaker: Endoscopic stapes surgery  
 Panelist: Live dissection with panelists  
 Panelist: Microscope vs. endoscope: when to convert
18. **BRAINWeek**, Virtual, 5/8/21  
*BRAINWeek 2021 Live Virtual Conference*  
 Speaker: I can't hear you: association of subclinical hearing loss with cognition



19. **Harvard University/Massachusetts Eye & Ear Infirmary**, Boston, MA, 5/5/21 [Virtual]  
*Endoscopic Surgery of the Sinuses, Eustachian Tube, and Ear: 3-Day Course*  
 Moderator: Two-handed disposable distal chip endoscopes for ear surgery  
 Panelist: Live exoscopic ear dissection with audience interaction
  
20. **American Neurotology Society**, Virtual, 4/10/21  
*56<sup>th</sup> Annual Spring Meeting (at COSM)*  
 Moderator: Hearing loss and dementia: separating fact from fiction [390 attendees]  
 Panelist: Introduction to the hearing loss-dementia association [390 attendees]
  
21. **American Society of Geriatric Otolaryngology**, Virtual, 3/25/21  
*2021 Seminar Series*  
 Speaker: Brain effects of age-related hearing loss
  
22. **Johns Hopkins University**, Baltimore, MD, 3/15/21  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
 Speaker: Age-related hearing loss and cognition: association vs. causation
  
23. **American Society of Head and Neck Radiology**, Virtual 10/7/20  
*Temporal Bone Case Conference*  
 Panelist: Otologic surgery terminology decoded [250 attendees]
  
24. **Hearing Loss Association of America (HLAA)**, Virtual, 6/18/20  
*Annual Convention*  
 Panelist: The potential for regenerative medicine to restore hearing loss
  
25. **American Society of Head and Neck Radiology**, Virtual 6/17/20  
*Temporal Bone Case Conference*  
 Panelist: Mastoid surprise during cochlear implantation [350 attendees]
  
26. **Gerontological Society of America**, Austin, TX, 11/15/19  
*Annual Scientific Meeting*  
 Session Chair: Impact of vision and hearing impairments
  
27. **American Osteopathic Colleges of Ophthalmology & Otolaryngology HNS**,  
 Orlando, FL, 5/2/19  
*103<sup>rd</sup> Annual Clinical Assembly*  
 Speaker: Hearing loss in older age: how does it affect your brain?  
 Speaker: Can endoscopic ear surgery add value to your practice?  
 Panelist: Tympanoplasty techniques
  
28. **Triological Society**, National Harbor, MD, 4/21/18  
*Annual Spring Meeting (at COSM)*  
 Panelist: Caring for older adults who are dizzy and giddy
  
29. **University of California at San Francisco**, San Francisco, CA, 10/20/14  
*Otolaryngology—Head and Neck Surgery Grand Rounds*  
 Speaker: The future of otology: electronic implants for hearing, balance, and tinnitus

## International Level

1. **Sydney Endoscopic Ear Surgery Research Group**, Sydney, Australia, 9/9/23-9/10/23  
*9<sup>th</sup> Dissection Course*  
 Plenary Speaker: Understanding the impact of age-related hearing loss on cognition  
 Speaker: Endoscopic myringoplasty, ossicular chain reconstruction, and stapes  
 Speaker: Setting up an endoscopic ear surgery practice/getting started  
 Lab Demonstrator: Dissection techniques, anatomy including inner ear
2. **International Federation of Oto-Rhino-Laryngological Societies (IFOS)**, Dubai, UAE, 1/17/23-1/21/23  
*World Congress 2023*  
 Chair: External auditory canal cancer management  
 Speaker: Endoscopic ear surgery pitfalls and pearls  
 Speaker: Endoscopic middle ear anatomy  
 Speaker: New technologies in endoscopic ear surgery  
 Moderator: Endoscopic chronic ear management
3. **4<sup>th</sup> World Congress on Endoscopic Ear Surgery**, Kyoto, Japan, 12/5/22-12/8/22  
*Biannual Meeting*  
 Chair: Use of novel disposable endoscope with integrated suction  
 Moderator: Optimizing bone removal during endoscopic ear surgery  
 Panelist: Teaching advantages of endoscopic ear surgery among medical students  
 Panelist: The effects of age-related hearing loss: translating research to practice
4. **Politzer Society**, São Paulo, Brazil, 11/11/22  
*33<sup>rd</sup> Meeting*  
 Speaker: Endoscopic ear surgery  
 Panelist: Endoscopic ear surgery
5. **German Society of Oto-Rhino-Laryngology**, Hannover, Germany, 5/26/22  
*93<sup>rd</sup> Annual Meeting*  
 Moderator: Endoscopic middle ear surgery  
 Speaker: Endoscopic stapes surgery
6. **CSurgeries**, Virtual, 4/23/21  
*International Otology & Neurotology Symposium*  
 Moderator: Endoscopic tympanoplasty and ossiculoplasty
7. **Egyptian Otological Society**, Minya, Egypt, 12/20/20 [Virtual]  
*20<sup>th</sup> Annual Meeting of Otology on the Nile*  
 Speaker: Endoscopic tympanoplasty
8. **Harvard University/Massachusetts Eye & Ear Infirmary**, Boston, MA, 11/14/20 [Virtual]  
*International Course on Endoscopic/Exoscopic Ear and Lateral Skull Base Surgery*  
 Moderator: Getting Started with Endoscopic Ear Surgery  
 Panelist: Endoscopes and exoscopes for vestibular schwannoma surgery

Panelist: Interactive exoscopic live dissection

Panelist: Novel single use disposable distal chip endoscopic demonstration

9. **3<sup>rd</sup> World Congress on Endoscopic Ear Surgery**, Boston, MA, 6/13/19  
*Biannual Meeting and Pre-Congress Workshop*  
 Moderator: Getting started in endoscopic ear surgery  
 Moderator: Decision-making in primary and revision endoscopic ear surgery  
 Moderator: Scientific presentations  
 Speaker: Young endoscopic ear surgeons reception  
 Speaker: Endoscopic ear surgery value: business & education  
 Speaker: Endoscopic ear surgery complications: heat injury
10. **Politzer Society/World Congress of Otolaryngology**, Warsaw, Poland, 5/28/19  
*32<sup>nd</sup> Meeting*  
 Speaker: Age-related hearing loss in the geriatric patient
11. **Israeli Society of Otolaryngology—Head and Neck Surgery, American-Israeli Otolaryngology Society**, Eilat, Israel, 2/27/19  
*Annual Meeting*  
 Speaker: Endoscopic ear surgery: why and how?
12. **Tarabichi-Stammberger Ear & Sinus Institute**, Dubai, UAE, 10/24/18 [Virtual]  
*16<sup>th</sup> Annual Hands-On Cadaver Dissection and Live Surgery Course*  
 Speaker: How to start endoscopic ear surgery
13. **Middle East Academy of Otolaryngology—Head and Neck Surgery**, Dubai, UAE, 4/1/18  
*15<sup>th</sup> Annual Meeting*  
 Speaker: Effects of age-related hearing loss  
 Speaker: Pediatric endoscopic ear surgery  
 Speaker: Pediatric bone conduction implantation  
 Speaker: The checklist of potential pediatric cochlear implant patients  
 Speaker: Good practices in pediatric cochlear implantation  
 Speaker: Beyond cochlear implants: vestibular & tinnitus implants  
 Moderator: Auricular reconstruction
14. **Bangalore Medical College and Research Center**, Bangalore, India, 11/19/13  
*First International Cochlear Implant and Temporal Bone Course*  
 Speaker: Hybrid cochlear implantation

\* indicates senior authorship

§ indicates research mentee under my mentorship

## 17. Miscellaneous Activities, Hobbies/Interests

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### 17a. Miscellaneous Activities

2007-2020	Otomatch.com, Site Designer
2009-2014	Otosurg.com (now retired), Site Founder and Director
2003-2008	justinphoto.com (now retired), Site Founder
2005-2006	Professional Freelance Photography, Atlanta, GA
2003	<i>The Emory Wheel</i> , Atlanta, GA, Staff Photojournalist
1998-2002	<i>The Tufts Daily</i> , Medford MA, Photo Editor
1997-2003	Private computer consulting/tutoring

## **17b. Hobbies/Interests**

Skiing, home improvement, technology, photojournalistic and street photography, reading, travel