

CURRICULUM VITAE
GAVRIEL D. KOHLBERG, MD

1. PERSONAL DATA

Place of Birth: Boston, Massachusetts

2. EDUCATION

09/1999 – 12/1999 Semester course, National Outdoor Leadership School, Lander, WY
09/2000- 06/2004 BA, Computer Science, *cum laude*, Harvard University, Cambridge, MA
08/2006- 06/2010 MD, Stanford University, Stanford, CA

3. POSTGRADUATE TRAINING

07/2010- 06/2015 Resident in Otolaryngology – Head and Neck Surgery, New York Presbyterian Columbia and Cornell Program, New York, NY
07/2017- 06/2019 Fellow in Otology and Neurotology, University of Cincinnati / Cincinnati Children's Hospital Medical Center, Cincinnati, OH

4. FACULTY POSITIONS HELD

09/2019 – Assistant Professor, Department of Otolaryngology – Head and Neck Surgery, University of Washington, Seattle, WA

2023 – Provisional Graduate Faculty, Pacific University, Forest Grove, OR

5. HOSPITAL POSITIONS HELD

09/2019 – Attending Physician, University of Washington Medical Center
09/2019 – Attending Physician, Harborview Medical Center

6. HONORS

2001 Harvard College Scholar, Harvard University, Cambridge, MA
2004 Honors in Computer Science, Harvard University, Cambridge, MA
2007 Stanford Medical Scholars Research Fellowship, Stanford, CA
2013 2nd place, resident research award, Annual Cornell and Columbia resident research day
2014 3rd place, resident research award, Annual Metropolitan New York resident research day symposium
2015 1st place, resident research award, Annual Cornell and Columbia resident research day
2016 Top graduate honors for exemplary performance in medical officer course, Israel Defense Force
2017 Head Naval Medicine Officer award for outstanding performance, Israel Defense Force
2019 1st place otology / neurotology poster, Triological society at COSM, Austin TX
2019 Physician of the Quarter – University of Cincinnati Medical Center, Cincinnati, OH
2020 American Otological Society, Clinician Scientist Career Development Award
2022 Patient Safety Awareness Week, “What Our Patients Are Saying About Patient Safety”, Certificate of Recognition, Harborview Medical Center, Seattle, WA
2023 Patient Safety Partner, Certificate of Recognition, Harborview Medical Center, Seattle, WA

7. BOARD CERTIFICATION

2016 Diplomate, American Board of Otolaryngology – Head and Neck Surgery
2021 Subspecialty certification, Neurotology

8. LICENSURE

2015 – Israel Medical License
2019 – Washington State Medical License

9. PROFESSIONAL ORGANIZATIONS

2014 – Member, American Academy of Otolaryngology – Head and Neck Surgery
2020 - Member, American Neurotology Society
2020 - 2021 Member, Institute of Translational Health Sciences Seminar Club.
The University of Washington Institute of Translational health Sciences offers access to the activities of the KL2 Program to a select group of promising early- career investigators for trainings and workshops
2020 - Research Affiliate, Virginia Merrill Bloedel Hearing Research Center.
Bloedel affiliate status requires UW faculty status, an active research interest in the field of hearing research and history of extramural funding. Members have access to center grants and awards related to hearing research.
2021 - Member, Otosclerosis Study Group
2021 - 2022 Member, University of Washington School of Medicine Artificial Intelligence Task Force

10. EDUCATION AND TRAINING ACTIVITIES

A.

1. Temporal bone anatomy weekly course for residents. Instructor. July 2017 – June 2019. Department of Otolaryngology – Head and Neck Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, USA.
2. Cochlear Implant Workshop for Audiology students. Instructor. September 2017. University of Cincinnati College of Medicine. Cincinnati, OH, USA.
3. Human Anatomy Medical Student Course, Preceptor. October 2019. Seattle. WA.
4. Temporal bone anatomy course for residents. Instructor. 2019 – Present. Department of Otolaryngology – Head and Neck Surgery, University of Washington School of Medicine, Seattle, WA, USA
5. Seattle Otology & Rhinology (SOAR) Course. Instructor. November 2021. Seattle, WA.
6. Seattle Otology & Rhinology (SOAR) Course. Instructor. March 2023. Seattle, WA.
7. Temporal Bone Surgical Dissection Course. Guest Instructor. May 2023. University of Michigan. Ann Arbor MI, USA.
8. Seattle Otology & Rhinology (SOAR) Course. Instructor. March 2024. Seattle, WA.

B.

Eric Martinez, PhD program, Pacific University, Dissertation Committee Member, August 2023 – Present

C.

List of Research Mentees:

1. Kayla Aikins, BA – R25 research project mentor, weekly meetings, August 2023 - Present

2. Ellise Minneker, BA – research mentor, biweekly meetings, August 2023 - Present
3. Heather Merkouris, BA– research mentor, biweekly meetings, November 2023 – Present
4. Audrey Wrede, BA – research mentor, biweekly meetings, November 2023 - Present
5. Arun Raghavan, MD – T32 research project mentor, weekly meetings, July 2023 – Present
6. Eric Prater, BS – research mentor, weekly meetings, April 2021 – June 2022
7. Miranda Anderson, BS – research mentor, weekly meetings, June 2021 – June 2022
8. Rachel Greiner, BS – research mentor, biweekly meetings, December 2020 - Present
9. Anand Rajesh, BS – research co-mentor (Randall Bly), biweekly meetings, Feb 2021 – March 2022
10. Adithya Embar (undergraduate student) – research mentor, biweekly meetings, Dec 2020 – June 2021

11. EDITORIAL RESPONSIBILITIES

A.

Reviewer Editor, Frontiers in Audiology and Otology, Audiology and Neurotology section (Editor in Chief – Anil Lalwani, MD) – November 2023 – Present

B.

Ad hoc reviewer, Otology and Neurotology – 2016, 2018, 2019, 2020, 2021, 2022, 2023, 2024

Ad hoc reviewer, Otolaryngology – Head and Neck Surgery – 2022, 2023, 2024

Ad hoc reviewer, International Journal of Computer Assisted Radiology and Surgery, 2022, 2024

Ad hoc reviewer, Audiology and Neurotology - 2021

Ad hoc reviewer, Journal of Otology – 2019, 2020

Ad hoc reviewer, Laryngoscope – 2019, 2020, 2023, 2025

Ad hoc reviewer, Annals of Otology, Rhinology & Laryngology – 2016

Ad hoc reviewer, PLOS Medicine, 2023

Ad hoc reviewer, Frontiers in Human Neuroscience – 2024

Ad hoc reviewer, Frontiers in Audiology and Otology - 2024

12. SPECIAL RESPONSIBILITIES AND SERVICE

B) National

2017 – 2018 Medical Informatics Committee member, American Academy of Otolaryngology – Head and Neck Surgery

2017 – 2018 Skull Base Surgery Committee member, American Academy of Otolaryngology – Head and Neck Surgery

2023 - Member, Constitution and Bylaws Committee, American Neurotology Society

2023 - Examiner, American Board of Otolaryngology, Virtual Oral Certifying Examination

2024 - Alternate Examiner, American Board of Otolaryngology, Virtual Neurotology Examination

2024 - Member, Audit Committee, American Neurotology Society

2025 - Examiner, American Board of Otolaryngology, Virtual Neurotology Examination

D) University of Washington

2019 – 2020 Medical Student Research Training Program Committee member at large, University of Washington School of Medicine, Seattle, WA

2020 – 2023 Medical Student Research Training Program Committee member, University of Washington School of Medicine, Seattle, WA

2020 - Member, Harborview Medical Center Ambulatory Care Leadership Council

- 2021 - Member, Department of Otolaryngology – Head and Neck Surgery Residency Training Program Clinical Competency Committee
- 2021 – 2022 Member, University of Washington Chief of Audiology Search Committee
- 2023 Member, University of Washington Chief of Audiology Search Committee
- 2022 – 2023 Member, University of Washington Medical Data Science Seminar Series Committee
- 2024 – Member, University of Washington Faculty Senate

13. RESEARCH FUNDING

A. Active

8/2024 – 6/2025 – Sponsor: The Washington Entrepreneurial Research Evaluation and Commercialization Hub (WE-REACH)

Title: AI-integrated Hearing Aids with Sound Bubbles for Improving Hearing

Total Costs: \$150,000

Role: Co-Principal Investigator

B. Past

07/2020 – 06/2023 – Sponsor: American Otological Society Clinician Scientist Award

Title: Use of multisensory input and deep learning techniques to develop a next generation listening device to improve speech perception in noise for individuals with hearing loss

Total Costs: \$240,00

Role: Principal Investigator

2017 – 2019 Sponsor: Israel Defense Force Medical Research Division

Title: Development of a Novel Portable Hemothorax and Pneumothorax-Detection Device

Total Costs: \$20,000

Role: Co-Investigator

14. BIBLIOGRAPHY

A. Publications in Refereed Journals

1. Zalis M, Perumpillichira J, Magee C, **Kohlberg G**, Hahn P. Tagging-Based, Electronically Cleansed CT Colonography: Evaluation of Patient Comfort and Image Reliability. *Radiology*. Apr 2006 239(1): 149-59 PMID: 16567485 [original work]
2. **Kohlberg G**, Truong M, Chang K. Wegener's Granulomatosis in an Adolescent Presenting with Pachymeningitis, Mastoid Effusion and Horner's Syndrome. *International Journal of Pediatric Otorhinolaryngology Extra*. Sep 2010; 74 (9): 1097 [case report]
3. **Kohlberg G**, Scognamiglio T, Reisacher W. Pathology Quiz Case 3. Pleomorphic Adenoma of the Nasal Septum. *JAMA Otolaryngology – Head and Neck Surgery*. Apr 2013; 139(4): 427-428 PMID: 23119387 [case report]
4. **Kohlberg G**, Spitzer J, Mancuso D, Lalwani A. Does Cochlear Implantation Restore Music Appreciation? *Laryngoscope*. Mar 2014; 124(3); 587-8 PMID: 23696450 [review]
5. **Kohlberg G**, Stater B, Kutler D, Kuhel W, Cohen M. Carotid Space Mass. *JAMA Otolaryngology – Head and Neck Surgery*. Dec 2014(12) 1237-8. PMID: 25375196 [case report]
6. **Kohlberg G**, Mancuso D, Chari D, Lalwani A. Music Engineering as a Strategy for Enhancing Music Enjoyment in the Cochlear Implant Recipient. *Behavioural Neurology*. 2015:829680 PMID: 26543322 [original work]

7. Certo M, **Kohlberg G**, Chari D, Mancuso D, Lalwani A. Reverberation Time Influences Musical Enjoyment With Cochlear Implants. *Otology Neurotology*. Feb 2015; 36(2): e46-50 PMID: 25280051 [original work]
8. **Kohlberg G**, Mancuso D, Griffin B, Spitzer J, Lalwani A. Impact of Noise Reduction Algorithm in Cochlear Implant Processing on Music Enjoyment. *Otology Neurotology*. Jun 2016 37(5): 492-8 PMID: 27093027 [original work]
9. **Kohlberg G**, Stewart M, Ward R, April M. Evaluation and Management of Pediatric Nasal Obstruction: A Survey of Practice Patterns. *American Journal of Rhinology and Allergy*. Jul 2016 30(4):274-8 PMID: 27196625 [original work]
10. **Kohlberg G**, Gal Y, Lalwani A. Development of a Low-Cost, Non-Invasive, Portable Visual Speech Recognition Program. *Annals of Otology, Rhinology & Laryngology*. Sep 2016 125(9):752-7 PMID: 27208007 [original work]
11. Nemer J, **Kohlberg G**, Mancuso D, Certo M, Griffin B, Lalwani A. Reduction of the Harmonics Series Influences Musical Enjoyment with Cochlear Implants. *Otology Neurotology*. Jan 2017 38(1):31-37 PMID: 27755358 [original work]
12. Hammer M, **Kohlberg G**. Get The Diagnosis: An Evidence Based Medicine Collaborative Wiki for Diagnostic Test Accuracy. *Postmedical Graduate Journal*. Apr 2017 93(1098):179-185 PMID: 27489373 [original work]
13. Cohen O, Shoffel-Havakuk H, Warman M, Tzelnick S, Haimovich Y, **Kohlberg G**, Halperin D, Lahav Y. Early and Late Recurrent Epistaxis Admissions: Patterns of Incidence and Risk Factors. *Otolaryngology – Head and Neck Surgery*. Sep 2017 157(3):424-431 PMID: 28463569 [original work]
14. Chen S, Griffin B, Mancuso D, Shiao S, DiMattia M, Cellum I, Boyd K, PrevotEAU C, **Kohlberg G**, Spitzer J, Lalwani A. The Development and Validation of the Speech Quality Instrument. *Laryngoscope*. Jul 2018 (7):1622-1627 PMID: 29219185 [original work]
15. Lipschitz N, **Kohlberg G**, Tawfik K, Walters Z, Breen J, Zuccarello M, Andaluz N, Dinapoli V, Pensak M, Samy R. Cerebrospinal Fluid Leak Rate after Vestibular Schwannoma Surgery via Middle Cranial Fossa Approach. *Journal of Neurological Surgery - Part B*, Sep 2018 79(S 01): S1-S188 10.1055/s-0038-1633652 PMID: 31316890 [original work]
16. Lipschitz N, **Kohlberg G**, Zuccarello M, Samy R. Comprehensive Review of the Extended Middle Cranial Fossa Approach. *Current Opinion in Otolaryngology and Head & Neck Surgery*. Oct 2018 26(5):286-292 PMID: 29957681 [review]
17. **Kohlberg G**, Demmer R, Lalwani A. Adolescent Obesity is an Independent Risk Factor for Sensorineural Hearing Loss: Results from the National Health and Nutrition Examination Survey 2005-2010. *Otology Neurotology*. Oct 2018 39(9):1102-1108 PMID: 30106856 [original work]
18. **Kohlberg G**, Lipschitz N, Tawfik K, Walters Z, Breen J, Zuccarello M, Andaluz N, Dinapoli V, Pensak M, Samy R. Application of Ultrasonic Bone Aspirator for Decompression of the Internal Auditory Canal via the Middle Cranial Fossa Approach. *Otology & Neurotology*. 2019 Jan;40(1):114-120 PMID: 30461525 [original work]
19. Tawfik K, Walters Z, **Kohlberg G**, Lipschitz N, Breen J, O'Neal K, Zuccarello M, Samy R. Impact of Motor Evoked Potential Monitoring On Facial Nerve Outcomes After Neurotologic Surgery. *Annals of Otology, Rhinology & Laryngology*. 2019 Jan;128(1):56-61 PMID: 30343584 [original work]

20. Breen J, Edwards C, Cornelius R, Hazenfield J, **Kohlberg G**, Samy R, Pensak M. Utility of Magnetic Resonance Imaging in Differentiating Cerebrospinal Fluid Leak from Middle Ear Effusion. *Otolaryngol Head Neck Surg*. 2019 Sep;161(3):493-498 PMID: 31039071 [original work]
21. Lipschitz N, **Kohlberg G**, Walters Z, Tawfik K, Samy R, Pensak M, Zuccarello M, Andaluz N, Dinapoli V, Breen J. Obesity is Not Associated with Postoperative Complications after Vestibular Schwannoma Surgery in a Large Single Institution Series. *Otology & Neurotology*. 2019 Dec;40(10):1373-1377. PMID: 31634280 [original work]
22. Lipschitz N, **Kohlberg G**, Scott M, Greinwald JH Jr. Imaging findings in pediatric single-sided deafness and asymmetric hearing loss. *Laryngoscope*. 2020 Apr;130(4):1007-1010. PMID: 31132141 [original work]
23. **Kohlberg G**, Samy R, Central Effects of Cranial Nerve Stimulation. *Otolaryngologic Clinics of North America*. 2020 Feb; 53(1):45-55. PMID: 31648824 [Review]
24. Raghavan A, Lipschitz N, **Kohlberg G**, Samy R, Zuccarello M, Pensak M, Breen J. Is Longer Surgery More Dangerous? Operative Duration Not Associated With Complications After Vestibular Schwannoma Resection. *Otology & Neurotology*. 2020 Feb 41(2): e268-e272. PMID: 31789812 [original work]
25. Poff C, Lipschitz N, **Kohlberg G**, Breen J, Samy R. Hemifacial Spasm as a Rare Clinical Presentation of Idiopathic Intracranial Hypertension: Case Report and Literature Review. *Annals of Otology, Rhinology & Laryngology*. 2020 May. PMID: 32390451 2020 Aug;129(8):829-832. [original work]
26. Raghavan A, Lipschitz N, Breen J, Samey R, **Kohlberg G**. Visual Speech Recognition: Improving Speech Perception in Noise through Artificial Intelligence. *Otolaryngology–Head and Neck Surgery*. May 2020 [Epub ahead of print] PMID: 32453650 [original work]
27. Lipschitz N, **Kohlberg G**, Scott M, Smith M, Greinwald J. Socioeconomic Disparities in Pediatric Single Sided Deafness. *Otolaryngology–Head and Neck Surgery*. 2020 Oct;163(4):829-834 PMID: 32482130 [original work]
28. **Kohlberg G**, Lipschitz N, Raghavan A, Breen J, Pensak M, Zuccarello M, Samy R. Middle Cranial Fossa Approach to Vestibular Schwannoma Resection in the Older Patient Population. *Otology & Neurotology*. 2021 Jan;42(1):e75-e81 PMID: 32947493 [original work]
29. Sommer A, Mark N, **Kohlberg G**, Gerasi R, Avraham L, Fan-Marko R, Eisenkraft A, Nachman D. Hemopneumothorax Detection Through the Process of Artificial Evolution-a Feasibility Study. *Military Medical Research*. 2021 Apr 25;8(1):27. PMID: 33894775 [original work]
30. Rajesh A, Rubinstein J, Ferreira M, Patel A, Bly R, **Kohlberg G**. Automated Objective Surgical Planning for Lateral Skull Base Tumors. *Int J Comput Assist Radiol Surg*. 2022 Mar; 17(3) 427-436. PMID: 35089486. [original work]
31. Greiner R, Rubinstein J, **Kohlberg G**. Investigating Socioeconomic Barriers to Cochlear Implantation. *Otology & Neurotology*. 2023. Oct 1;44(9): e660-666 PMID 37604510 [original work]
32. Greiner R, **Kohlberg G**, Lu G. Management of Facial Nerve Trauma. *Current Opinion in Otolaryngology and Head & Neck Surgery*. 2024 Aug 1;32(4):234-238.
33. Greiner R, Raghavan A, Lipschitz N, **Kohlberg G**. Evaluating the Effect of Various Pure Tone Averages on Cochlear Implant Candidacy Screening. *Laryngoscope*. 2024 Jan

C. Book Chapters

1. **Kohlberg G**, Samy R. Cranial Nerve VIII: Vestibular Disorders. Cost-Effective Evaluation and Management of Cranial Neuropathy. 2019 Dec. ISBN 9781684200191

D. Published Books, Videos, Software, etc.

1. Zalis M, **Kohlberg G**. Method and Apparatus for Processing Images In a Bowel Subtraction System. Provisional patent. Apr 2004
2. Hammer M, **Kohlberg G**. GetTheDiagnosis.org: A Database of Sensitivity and Specificity: <http://getthediagnosis.org>
3. **Kohlberg G**, Lipschitz N, Poff C, Samy R. Total Facial Nerve Decompression via Combined Middle Fossa-Transmastoid Approach, Csurgeries
4. **Kohlberg G**, Doyle E, Natour A, Samy R, Porter R, Stevens S. Indications and Pearls of Fallopian Bridge Technique. Annual meeting, North American Skull Base Society, 2023

E. Other publications

1. **Kohlberg G**, Samy R. Vestibular Schwannoma. OtoSource Module. American Academy of Otolaryngology – Head and Neck Surgery. <https://www.otosource.org/content/vestibular-schwannoma>
2. Lipschitz, N, **Kohlberg, G**, Samy R. Auditory Outcomes of Cochlear Implantation in Meniere Disease. Harefuah. 2023. Aug; 162(7) 424-427. PMID 37561031

F. Manuscripts Under Review

1. Merkouris H, Bunnell A, Rubinstein J, **Kohlberg G (co-senior author)**, Lu N. ENoG Correlation with Facial Paralysis Outcomes in Temporal Bone Fracture. Otolaryngology – Head and Neck Surgery. Submitted November 2024

G. Abstracts

1. **Kohlberg G**, Cai W, Dushyant S, Yoshida H, Zalis M. Predicting Primary 2D Interpretive Failure in CT Colonography: An Assessment of Curvature and Distention Based Difficulty Index for Colonic Polyps. Oral presentation, Radiological Society of North America, Chicago, IL, Nov 2005.
2. **Kohlberg G**, Arden N, Wadia P, Chen G, Sirota M, Miklos D, Butte A. Discovery of Novel AML Tumor Associated Antigens Using Antibody Signatures and Gene-Expression Data. Poster presentation, Stanford Medical Student Research Symposium, Stanford, CA May 2008.
3. **Kohlberg G**, Truong M, Chang K. Wegener's Granulomatosis in an Adolescent Presenting with Pachymeningitis, Mastoid Effusion and Horner's Syndrome. Poster presentation, the Society of Ear, Nose and Throat Advances in Children, Salt Lake City, UT, Dec 2009.
4. **Kohlberg G**, Pearlman A. Combined Endoscopic Endonasal and Bifrontal Craniotomy Approach for Treatment of Pediatric Intranasal Meningoencephalocele. Poster presentation, the American Rhinologic Society, Vancouver, BC, Sep 2013.
5. **Kohlberg G**, Mancuso D, Chari D, Lalwani A. Features of Music that Affect its Enjoyment Following Cochlear Implantation. Oral presentation, the American Academy of Otolaryngology – Head and Neck Surgery, Vancouver, BC, Oct 2013.
6. Phillips D, **Kohlberg G**, Maresh A. An Unusual Case of Airway Obstruction Following Traumatic Pharyngoesophageal Perforation in a Newborn. Poster presentation, the Society of Ear, Nose and Throat Advances in Children, St. Louis, MO, Dec 2014.

7. **Kohlberg G**, Benjo-Shor A, Shemer E, Gal Y, Lalwani A. Development of a Low-Cost, Non-Invasive, Portable Visual Speech Recognition Program. Oral presentation, the New York Resident Research Day Symposium, NY, NY, May 2014.
8. **Kohlberg G**, Stater B, Kutler D, Kuhel W, Cohen M. Carotid Space Mass. Poster presentation, the American Head and Neck Society meeting, NY, NY, July 2014.
9. **Kohlberg G**, Stewart M, Ward R, April M. Evaluation and Management of Pediatric Nasal Obstruction: A Survey of Practice Patterns. Poster presentation, the Combined Otolaryngology Spring Meetings, Boston, MA, Apr 2015.
10. Nemer J, **Kohlberg G**, Mancuso D, Certo M, Griffin B, Lalwani A. Reduction of the Harmonics Series Influences Musical Enjoyment with Cochlear Implants. Oral presentation, the Combined Otolaryngology Spring Meetings, Chicago, IL, May 2016.
11. **Kohlberg G**, Tawfik K, Lipschitz N, Samy R, Breen J. Cochlear Implantation in a Patient with Osteogenesis Imperfecta. Video presentation, the American Neurotology Society Fall Symposium, Chicago IL, September 2017.
12. Tawfik K, Walters Z, **Kohlberg G**, Lipschitz N, Breen J, Samy R. Predicting Postoperative Facial Function Using Motor Evoked Potential Monitoring During Neurotologic Surgery. Oral presentation, Triological Society Combined Sections Meeting, Scottsdale, AZ, January 2018.
13. **Kohlberg G**, Lipschitz N, Tawfik K, Breen J, Pensak M, Zuccarello M, Samy R. Cerebrospinal Fluid Leak After Vestibular Schwannoma Surgery Via Middle Cranial Fossa Approach. Poster Presentation, North American Skull Base Society Meeting, Coronado, CA, February 2018.
14. Redmann A, Tawfik K, Wade R, Cyphert K, Antonucci E, Hammer T, Stevens S, Houston L, **Kohlberg G**, Samy R, Breen J. Treatment Pathways After Cochlear Implant Evaluation: Analysis of the Formal Evaluation Process. Oral Presentation, American Cochlear Implant Alliance Meeting, Washington, DC, March 2018.
15. **Kohlberg G**, Demmer R, Lalwani A. Adolescent Obesity is an Independent Risk Factor for Sensorineural Hearing Loss: Results from the National Health and Nutrition Examination Survey (NHANES) 2005-2010. Oral Presentation, Combined Otolaryngology Spring Meetings, National Harbor, MD, April 2018.
16. **Kohlberg G**, Lipschitz N, Walters Z, Tawfik K, Breen J, Zuccarello M, Samy R. Application of Ultrasonic Bone Aspirator for Decompression of the Internal Auditory Canal via the Middle Cranial Fossa Approach. Poster Presentation, Combined Otolaryngology Spring Meetings, National Harbor, MD, April 2018.
17. Breen J, **Kohlberg G**, Samy R, Pensak M. Radiographic Opacification of the Protympanum and Eustachian Tube Predicts Inferior Hearing Outcomes After Ossiculoplasty. Poster Presentation, Combined Otolaryngology Spring Meetings, National Harbor, MD, April 2018.
18. Lipschitz N, **Kohlberg G**, Samy R, Zuccarello M. Complications of Stereotactic Radiosurgery: Early Hydrocephalus and Late Pneumocephalus. Stereotactic Radiosurgery Study Group, the American Neurotology Society Fall Symposium, Atlanta, GA, Oct 2018.
19. Lipschitz N, **Kohlberg G**, Mitts K, Samy R. Total Facial Nerve Decompression via Combined Middle Cranial Fossa and Transmastoid Approach. Master of Surgery Video Presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018.
20. Lalwani A, Peng T, Chen S, **Kohlberg G**, Mancuso D, Cellum I. Novel Web-Based Music Re-Engineering Software for Music Enjoyment Among Cochlear Implantees. Oral presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018.
21. Lipschitz N, **Kohlberg G**, Wannemacher D, Breen J, Tawfik K, Pensak M, Samy R. Hemifacial spasm as a rare clinical presentation of idiopathic intracranial hypertension. (Submitted for presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018).
22. Breen J, Edwards C, **Kohlberg G**, Samy R, Pensak M. The Utility of Magnetic Resonance Imaging for Diagnosing Cerebrospinal Fluid Leak in the Setting of Middle Ear Effusion. Oral presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018.

23. Lipschitz N, **Kohlberg G**, Tawfik K, Samy R, Pensak M, Zuccarello M, Breen J. Elevated Body Mass Index is Not Associated with Postoperative Complications after Vestibular Schwannoma Surgery. Oral presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018.
24. Lipschitz N, **Kohlberg G**, Tawfik K, Breen J, Zuccarello M, Pensak M, Samy, R. Simultaneous Combined Middle Cranial Fossa and Retrosigmoid Approach for Hearing Preservation in Vestibular Schwannoma Surgery. Poster presentation, American Academy of Otolaryngology – Head and Neck Surgery, Atlanta, GA, Oct 2018.
25. Lipschitz N, **Kohlberg G**, Roetting N, Scott M, Greinwald J. Imaging findings in pediatric single sided deafness and asymmetric hearing loss. Oral presentation, the Triological Society Combined Section Meeting, San Diego, CA, Jan 2019
26. Rogers G, Lipschitz N, **Kohlberg G**, Zuccarello M, Samy R. Primary Central Nervous System Lymphoma of the Internal Auditory Canal mimicking Facial Nerve Schwannoma. Poster presentation, the North American Skull Base Society, Orlando, FL, Feb 2019
27. Lipschitz N, **Kohlberg G**, Breen J, Pensak M, Zuccarello M, Andaluz N, Dinapoli V, Samy, R. The extended middle cranial fossa approach for the treatment of skull base lesions. Poster presentation, the North American Skull Base Society, Orlando, FL, Feb 2019
28. Shapiro S, Lipschitz N, Kemper N, **Kohlberg G**, Mains A, Pensak M, Breen J, Zuccarello M, Samy R. Utilization of the Transotic Approach for Select Cases of Vestibular Schwannoma Resection. Poster presentation, the North American Skull Base Society, Orlando, FL, Feb 2019
29. Raghavan A, **Kohlberg G**, Lipschitz N, Breen J, Samy R. Visual Speech Recognition Program (VSRP) Improves Speech Perception in Noise. Oral presentation, the American Auditory Society, Scottsdale, AZ, March 2019
30. Raghavan A, **Kohlberg G**, Lipschitz N, Breen J, Samy R. Implementation of Neural Network Based Visual Speech Recognition Program on Bamford-Kowal-Bench Speech in Noise (BKB-SIN) Test. Poster presentation, Triological Society Annual Meeting at COSM, Austin, TX, May 2019
31. Lipschitz N, **Kohlberg G**, Scott M, Greinwald J. The impact of neuropsychiatric diagnosis on treatment choice and utility in pediatric single-sided deafness. Poster presentation, American Society of Pediatric Otolaryngology Annual Meeting at COSM, Austin, TX, May 2019
32. Lipschitz N, **Kohlberg G**, Samy R, Pensak M, Zuccarello M, Breen J. Operative Time and Surgical Risk in Vestibular Schwannoma Surgery. Poster presentation, the American Neurotology Society Annual Meeting at COSM, Austin, TX, May 2019
33. **Kohlberg G**, Lipschitz N, Greinwald J, Choo D. Preliminary Cadaveric Experience with a Novel Endoscopic Ear (EES) Platform. Oral presentation, World Congress on Endoscopic Ear Surgery 3.0, Boston, MA June 2019
34. Lipschitz N, **Kohlberg G**, Breen J, Zuccarello M, Pensak M, Samy R. Results of Salvage Microsurgery after Radiosurgery in Vestibular Schwannoma. Oral presentation to the 8th Quadrennial International Conference on Vestibular Schwannoma and Other CPA Tumors, Rochester, MN
35. Lipschitz N, **Kohlberg G**, Breen J, Howard J, Zuccarello M, Pensak M, Samy R. Delayed Facial Palsy following Middle Cranial Fossa Approach to Vestibular Schwannoma Resection. Oral presentation to the 8th Quadrennial International Conference on Vestibular Schwannoma and Other CPA Tumors, Rochester, MN, June 2019
36. **Kohlberg G**, Lipschitz N, Raghavan A, Hazenfield J, Breen J, Pensak M, Zuccarello M, Samy R. Feasibility of Extended Middle Cranial Fossa Approach to the Internal Auditory Canal and Cerebellopontine Angle: Volumetric Comparison to Translabyrinthine Approach. Oral presentation to the 8th Quadrennial International Conference on Vestibular Schwannoma and Other CPA Tumors, Rochester, MN, June 2019

37. **Kohlberg G**, Lipschitz N, Breen J, Pensak M, Zuccarello M, Samy, R. Middle Cranial Fossa Approach to Acoustic Neuroma Resection in Older Patient Population. Oral presentation to the 8th Quadrennial International Conference on Vestibular Schwannoma and Other CPA Tumors, Rochester, MN, June 2019
38. Lipschitz N, **Kohlberg G**, Scott M, Greinwald J. Socioeconomic Disparities in the Treatment of Pediatric Single Sided Deafness. Oral presentation to the AAO-HNSF 2019 Annual Meeting & OTO EXPO, New Orleans, LA, September 2019.
39. Raghavan A, **Kohlberg G**, Lipschitz N, Breen J, Samy R. Use of Artificial Intelligence to Increase Speech Perception in Noise. Oral presentation to the AAO-HNSF 2019 Annual Meeting & OTO EXPO, New Orleans, LA, September 2019.
40. Lipschitz N, **Kohlberg G**, Scott M, Greinwald J. Does Severity of Pediatric Single Sided Deafness Affect Treatment Outcomes? Poster presentation to the AAO-HNSF 2019 Annual Meeting & OTO EXPO, New Orleans, LA, September 2019.
41. Moore C, Lipschitz N, **Kohlberg G**, Dinapoli V, Breen J, Samy, R. Solid Non-Enhancing Cerebellopontine Angle Mass Confirmed Vestibular Schwannoma: Case Report and Literature Review. Poster presentation to the AAO-HNSF 2019 Annual Meeting & OTO EXPO, New Orleans, LA, September 2019.
42. Shapiro S, Lipschitz N, **Kohlberg G**, Breen J, Zuccarello M, Samy R. Continued Tumor Growth after Near-Total Resection and Stereotactic Radiosurgery: Management Decision-Making. Oral presentation at Stereotactic Radiosurgery Study Group at American Neurotology Society. New Orleans, LA, September 2019
43. Lipschitz N, **Kohlberg G**, Shapiro S, Breen J, Pensak M, Samy R. Approach to Superior Semicircular Canal Dehiscence Repair: Comparing the Middle Fossa and Transmastoid Approaches Oral presentation Triological Society Combined Sections Meeting. January 2020, Coronado, CA
44. Lipschitz N, **Kohlberg G**, Shapiro S, Breen J, Pensak M, Samy R. Indications for the Middle Cranial Fossa Approach: 10-Year Experience in a Single Institution. Poster Presentation Triological Society Combined Sections Meeting. January 2020, Coronado, CA
45. Raghavan A, Lipschitz N, Liang Y, Breen J, Samy R, **Kohlberg G**. Comparison of Performance of Commercial Auditory Speech Recognition Systems to a Visual Speech Recognition Program. Poster presentation Triological Society, the Combined Otolaryngology Spring Meetings, Atlanta GA, April 2020
46. Lipschitz N, Kemper N, **Kohlberg G**, Shapiro S, Pensak M, Samy R, Breen J. Delayed Facial Palsy Following Vestibular Schwannoma Resection: Comparison by Surgical Approach. Poster presentation American Neurotology Society, the Combined Otolaryngology Spring Meetings, Atlanta GA, April 2020
47. Lipschitz N, Shapiro S, **Kohlberg G**, Wenstrup L, Hammer T, Scott M, Breen J, Pensak M, Samy R. Outcome of Cochlear Implantation in Neurofibromatosis Type 2. Poster presentation CI2020 International: 16th International Conference on Cochlear Implants and Other Implantable Technologies. Orlando, FL, March 2020
48. Lipschitz N, Shapiro S, **Kohlberg G**, Wenstrup L, Hammer T, Samy R, Pensak M, Breen J. Cochlear Implantation Following Temporal bone Fractures. Poster presentation CI2020 International: 16th International Conference on Cochlear Implants and Other Implantable Technologies. Orlando, FL, March 2020

49. Lipschitz N, **Kohlberg G**, Shapiro S, Wenstrup L, Hammer T, Scott M, Greinwald J, Breen J, Pensak M, Samy. Cochlear Implantation for Single Sided Deafness and Asymmetric Hearing Loss. Poster Presentation CI2020 International: 16th International Conference on Cochlear Implants and Other Implantable Technologies. Orlando, FL, March 2020
50. Lipschitz N, Shapiro S, Beydoun A, **Kohlberg G**, Zuccarello M, Samy R. Safety of Intraoperative Transtympanic Steroids in the Middle Cranial Fossa Approach to Vestibular Schwannoma Resection: Preliminary Report. Poster presentation to the AAO-HNSF 2020 Annual Meeting & OTO EXPO, Boston, MA, September 2020
51. Rajesh A, Aghdasi N, Ferreira M, Rubinstein J, Bly R, **Kohlberg G**. Computed Surgical Preoperative Planning for Tumors in the Internal Auditory Canal. Poster presentation to the North American Skull Base Society Meeting. Virtual Symposium, February 2021.
52. **Kohlberg G**, Prater E, Shen Y, Lee A, Rubinstein J, Atlas L, Wright R. Do Humans Integrate Auditory and Text Information in a Statistically Optimal Fashion? Poster presentation to the Acoustical Society of America. Seattle, Washington, December 2021.
53. Greiner R, Rubinstein J, **Kohlberg G**. Socioeconomic Disparities within Cochlear Implantation. Poster presentation to American Otological Society, the Combined Otolaryngology Spring Meetings, Dallas TX, April 2022
54. **Kohlberg G**, Shen Y, Lee A, Rubinstein J, Atlas L, Wright R. Assessing the Relative Benefit of Real Time Captioning for Speech in Noise Benefit. Poster presentation to the Conference on Implantable Auditory Prosthesis. June 2023.
55. Merkouris H, Bunnell A, Rubinstein J, **Kohlberg G**, Lu N. ENoG Correlation With Facial Paralysis Outcomes in Temporal Bone Fracture. Oral Presentation AAO-HNSF 2024 Annual Meeting & OTO EXPO, Miami, FL, September 2024
56. Greiner R, Raghavan A, **Kohlberg G**. Feasibility of Random Forest Classifier Machine Learning Algorithm as Initial Screening for Cochlear Implantation Candidacy. Oral Presentation AAO-HNSF 2024 Annual Meeting & OTO EXPO, Miami, FL, September 2024
57. Greiner R, Raghavan A, Lipschitz N, **Kohlberg G**. Cochlear Implant Screening with Extended Frequency Pure Tone Thresholds. Accepted for podium presentation at the Triological Society Combined Sections Meeting, Orlando, Florida. January 2025
58. [Wrede A, Minneker E, Ali N, **Kohlberg G**. Identifying Barriers to Hearing Loss Information and Treatment Among Non-English Language Preferred Patients. Submitted to Triological Annual Meeting at New Orleans, 2025]
59. Aikins K, De Falco E, Wright R, Kohlberg G. Effects of Text Caption Accuracy and Facial Cues on Sentence Comprehension in Individuals with Normal Hearing. Accepted for poster presentation at American Academy of Audiology. New Orleans, LA, March 2025.
60. Greiner R, Raghavan A, **Kohlberg G**. Using Machine Learning to Predict Cochlear Implant Candidacy from Pure Tone Thresholds. Accepted for podium presentation at American Cochlear Implant Alliance Annual Meeting, Boston, MA May 2025.

17. TALKS AND PRESENTATIONS

A. National / International Lectures:

1. Vestibular Physiology. Resident Lecture. May 2021. Department of Otolaryngology – Head and Neck Surgery. University of Florida. Gainesville, FL (via Zoom).

2. Pulsatile and Non-Pulsatile Tinnitus. Neurosurgery Journal Club. Feb 2022. Departments of Neurosurgery. Galil Medical Center, Nahariya, Israel and University of Washington, Seattle, WA (via Zoom).
3. Audiovisual Communication Devices for Improved Speech Perception in Noise. **Grand Rounds – Guest Professor**. May 2023. Department of Otolaryngology. University of Michigan.
4. A Hidden Socioeconomic Disparity in Adult Cochlear Implantation. **Temporal Bone Course**. May 2023. Department of Otolaryngology. University of Michigan.
5. Maneuvers to Overcome the Challenging Mastoid. **Temporal Bone Course**. May 2023. Department of Otolaryngology. University of Michigan.
6. Audiovisual Communication Devices for Improved Speech Perception. Clinician Scientist Award Presentation. Invited presentation. American Otological Society. Combined Otolaryngology Spring Meetings. June 2023.
7. Examining Barriers to Adult Cochlear Implantation: A Hidden Disparity in Patient Evaluation. **Grand Rounds – Invited speaker**. Division of Otolaryngology – Head and Neck Surgery. Lehigh Valley Health Network. September 2023.
8. Identifying Cochlear Implant Candidates. **Audiology Grand Rounds – Invited speaker**. February 2024. Department of Otolaryngology. University of Chicago. February 2024.
9. Overcoming language barriers in treating patients with hearing loss. **Grand Rounds – Invited Speaker**. Department of Otolaryngology. New York Presbyterian – Columbia and Cornell. July 2024 (via Zoom)
10. [Hearing Within the Bubble: A Novel Machine Learning Approach for Spatial Noise Reduction in Hearing Technologies. Ultimate Colorado Mid-Winter Meeting . Feb 2025]

B. Regional

1. Visual Speech Recognition Program (VSRP) Improves Speech Perception in Noise. Invited lecture. Hear in Cincinnati conference. Cincinnati, OH, February 2019
2. Hearing Loss Issues in Acoustic Neuroma. Acoustic Neuroma Association Seattle Support Group Meeting Lecture. June 2021. Seattle, WA (via Zoom).
3. Chronic Otorrhea. Panelist. Northwest Academy of Otolaryngology & British Columbia Otolaryngology Society Joint Winter Meeting. Whistler, British Columbia, Canada. January 2024.

C. Local

1. Introduction to Otology/Neurotology. Medical student lecture. September 2017. University of Cincinnati College of Medicine, Cincinnati, OH, USA.
2. Surgical Approaches to the Lateral Skull Base. Guest lecture at Hearing Disorder Course for Audiology Students. April 2018. University of Cincinnati College of Allied Health Sciences. Cincinnati, OH, USA.
3. How to find facial nerve in mastoid with no air cells. Resident lecture. April 2020. Department of Otolaryngology – Head and Neck Surgery. University of Washington. Seattle, WA, USA.
4. Audiovisual Communication Devices for Improved Speech Perception in Real-World Listening Situations. Invited lecture for AI in Medicine Initiative Seminar Series. June 2021. University of Washington. Seattle, WA (via Zoom).
5. Cochlear Implants. Resident lecture. December 2021. University of Washington. Seattle, WA.
6. Otologic Emergencies. Resident lecture. August 2023. University of Washington. Seattle, WA.
7. Seven Things Every Internist Should Know about Hearing. Internal Medicine resident lecture. December 2023, University of Washington, Seattle, WA
8. Don't Blame the Ear for Everything. But Sometimes it is the Ear. Internal Medicine resident lecture. December 2023, University of Washington, Seattle, WA
9. Hearing loss and Dizziness WWAMI Medical Student lecture. Explore and Focus Integration Week. June 2024, University of Washington, Seattle WA.

18. OTHER EMPLOYMENT

02/2004 – 05/2005 Research Assistant, Dept of Radiology, Massachusetts General Hospital, Boston, MA

05/2005 – 08/2006 CEO, Digi-Block, Cambridge MA

12/2015 – 05/2017 Medical officer, Israel Defense Force, Haifa, Israel