

CURRICULUM VITAE

September 2025

IAN M. HUMPHREYS, DO FARS FAOCO-HNS

I. EDUCATION:

- 1999–2004 BS, Biology with concentration in chemistry, University of Pittsburgh, Pittsburgh, PA
- 2005–2009 DO, *summa cum laude*, Psi Sigma Alpha Distinction (GPA 3.9), Lake Erie College of Osteopathic Medicine (LECOM), Erie, PA
- 2022 Washington State Medical Association Physician Leadership Course
Seattle, WA
- 2025- Certificate in Healthcare Administration (active, ongoing)
University of Cincinnati
Cincinnati, OH
- 2025- Certificate in Patient Safety & Quality (active, ongoing)
University of Washington
Seattle, WA

II. POSTGRADUATE TRAINING:

- 2004 Internship
Autopsy and Pathology
University of Pittsburgh School of Medicine, Pittsburgh, PA
- 2004–2005 Research Specialist II
Hillman Cancer Center
University of Pittsburgh Cancer Institute, Pittsburgh, PA
- 2009–2010 Internship
Otolaryngology- Head & Neck Surgery
Huron Valley Sinai Hospital, Michigan State University, Commerce, MI
- 2010-2014 Residency
Otolaryngology- Head & Neck Surgery
Detroit Medical Center, Michigan State University, Detroit, MI
- 2014-2015 Fellowship
Rhinology & Endoscopic Skull Base Surgery
Stanford University Hospitals and Clinics, Stanford, CA

III. FACULTY POSITIONS HELD:

- 2015-2021 Assistant Professor, Department of Otolaryngology- Head & Neck Surgery,
University of Washington School of Medicine, Seattle, WA
- 2021- Associate Professor, Department of Otolaryngology- Head & Neck Surgery,
University of Washington School of Medicine, Seattle, WA

IV. CURRENT LEADERSHIP POSITIONS:

- 2019- Chief, Division of Rhinology & Endoscopic Skull Base Surgery
- 2020- Director (Co), Neurorhinology & Advanced Sinus Surgery Fellowship
- 2022-2025 Medical Director, Otolaryngology- Head & Neck Surgery, UWMC-Montlake

2025- Medical Director, Otolaryngology- Head & Neck Surgery, UWMC (all sites)

V. HOSPITAL POSITIONS HELD:

2014–2015 Clinical Instructor, Stanford University Hospitals and Clinics, Stanford, CA
2014-2015 WOC Consulting Physician, VA Palo Alto Health Care System, Palo Alto, CA
2015- Attending Physician, University of Washington Medical Center - Montlake
2015- Associate Medical Staff, Seattle Cancer Care Alliance
2015- WOC Consulting Physician, VA Puget Sound Healthcare System, Seattle, WA
2018-2022 **Director**, Otolaryngology Medical Student Education, University of Washington School of Medicine
2018-2022 **Department Career Advisor**, Otolaryngology, University of Washington SOM
2020-2022 **Director**, NeuroRhinology & Advanced Sinus Surgery Fellowship, Department of Otolaryngology- Head & Neck Surgery, University of Washington Medical Center – Montlake
2022- **Co-Director**, NeuroRhinology & Advanced Sinus Surgery Fellowship, Department of Otolaryngology- Head & Neck Surgery, University of Washington Medical Center - Montlake
2020- **Chief**, Division of Rhinology & Endoscopic Skull Base Surgery, Department of Otolaryngology- Head & Neck Surgery, University of Washington Medical Center – Montlake
2022-2025 **Medical Director**, Otolaryngology - Head & Neck Surgery, University of Washington Medical Center- Montlake
2025- **Medical Director**, Otolaryngology – Head & Neck Surgery, University of Washington Medical Center Hospitals and Clinics (Montlake, NW, & ESC)

VI. CURRENT EMPLOYMENT:

2015- University of Washington Physician Group

VII. DIVERSITY PROFESSIONAL DEVELOPMENT GRANT:

2024- Sponsor: American Rhinologic Society
Diversity, Equity, Inclusion Fellowship Award
Purpose: Professional development award in support of Rhinology Fellow (Dr Hector Perez, 2024-2025)
Role: PI, Fellowship Director, Mentor
Award: \$50,000

VIII. HONORS/AWARDS:

2006 Academic Excellence Award (top 15% of class), LECOM
2007 McGraw-Hill Medical, Outstanding Student Achievement Award
2007 Academic Excellence Award (top 15% of class), LECOM
2007 Pennsylvania Medical Society Scholarship Award
2007 Oris C. Hirtzel and Beatrice D. Hirtzel Merit Award (highest academic rank)
2007 UPS Scholarship and Academic Merit Award

2007	Academic Achievement and Leadership Award, Pennsylvania Osteopathic Medical Association
2008	LECOM Student Government Association Merit Award
2008	Academic Excellence Award (top 15% of class), LECOM
2008	Student DO of the Year Award, LECOM.
2009	Psi Sigma Alpha Distinction
2012	AOCOO-HNS International Resident Travel Award
2012	AAO-HNS Humanitarian Travel Award
2013	Karl Storz Rhinofest Resident Scholarship
2014	Ig Nobel Prize in Medicine
2018	<i>Seattle Met</i> Top Doc
2019	<i>Seattle Met</i> Top Doc
2019	<i>Washington Magazine</i> Top Doctor
2020	WWAMI Pro Recognition, UW Medical Student Award for Excellence
2020	<i>Seattle Met</i> Top Doc
2021	Third Place Poster Award, American Rhinologic Society at COSM
2022	Top Three Best Surgical Videos, Fall Film Festival, ARS at AAO-HNS
2023	Presidential Achievement Award, American Osteopathic College of Otolaryngology – Head & Neck Surgery

IX. BOARD CERTIFICATION:

2015-	Diplomate, American Osteopathic Board of Otolaryngology- Head & Neck Surgery
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X. LICENSURE:

2014-2015	California State Medical License
2015-	Washington State Medical License

XI. PROFESSIONAL ORGANIZATIONS/DESIGNATIONS:

2005-	Member, American Osteopathic Association (AOA)
2009-	Member, American Osteopathic College of Otolaryngology- Head & Neck Surgery (AOCOO-HNS)
2009-	Member, American Academy of Otolaryngology- Head & Neck Surgery (AAO-HNS)
2011-	Member, American Rhinologic Society (ARS)
2017-	Member, North American Skull Base Society (NASBS)
2017-	Fellow, American Rhinologic Society (FARS)
2022-2024	Member-At-Large, Board of Governors, NAWO
2023-	Fellow, American Osteopathic College of Otolaryngology (FAOCO)
2023-	Member-At-Large, Board of Governors, AOCOO-HNS
2024-	Assistant Program Chair, Board of Governors, NAWO

XII. TEACHING RESPONSIBILITIES/MENTORSHIP:

A. Medical Students

2018-2022	Director, UW Otolaryngology Medical Student Education
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2020-2022 Director, UW Medical Student Web-based Otolaryngology Curriculum

B. Residents

2014 Course Co-Director, Stanford Otolaryngology Sinus Dissection Course
2016- Director/Co-Director, UW Otolaryngology Sinus Dissection Course
2017-2021 Faculty (Rhinology & Allergy), UW Otolaryngology Boot Camp
2020- Director, UW Otolaryngology rhinology education

C. Fellows

1.	Mamie Higgins, MD	2018-2019	Assistant Professor, Cleveland Clinic
2.	Landon Massoth, MD	2019-2020	Private Practice, Tulsa, OK
3.	Patricia Johnson, MD	2020-2021	WMC Health, Hawthorne, NY
4.	Nathan Reeve, MD	2021-2022	Univ of New Mexico, Albuquerque, NM
5.	Dhruv Sharma, MD	2022-2023	University of Louisville, Louisville, KY
6.	Ion Prohntchi, MD	2023-2024	Geisinger Health, Danville, PA
7.	Hector Perez, MD	2024-2025	Loma Linda University, Loma Linda, CA
8.	Luke O'Neil, MD	2025-	

D. Mentorship

1.	Grace Wandell, MD	2015-2019	research projects
2.	Harrison Cash, MD	2016-2022	faculty mentor, career advising
3.	Austin Lever, BS	2017-2021	research projects
4.	Vicki Lee, MD	2017-2018	research projects, career
5.	Craig Miller, MD	2017-2019	research projects, career
6.	Jamie Young, ARNP	2018-2021	professional development, research
7.	Aaron Robertson, BS	2020-2021	web-based curricula content
8.	Hannan Qureshi, MD	2020-2022	faculty mentor, professional development
9.	Allison Ikeda, MD	2021-2022	career advising
10.	Hosam Alkhatib, MD	2023-	faculty mentor

XIII. EDITORIAL RESPONSIBILITIES:

2018- Rhinology & Endoscopic Skull Base Surgery, Annals of Clinical Case Studies

XIV. SPECIAL NATIONAL RESPONSIBILITIES:

2012-2014 Representative, Section for Residents and Fellows, AAO-HNS
2012-2014 Representative, Council of Residents and Fellows, AOCOO-HNS
2014-2015 Member-At-Large, Council of Residents and Fellows, AOCOO-HNS
2014-2015 Affiliate Member (non-voting), Education Committee, ARS
2014-2015 Affiliate Member (non-voting), Membership Committee, ARS
2014-2017 Committee Member, Residents and Fellows Committee, ARS
2015-2018 Committee Member, Education Committee, ARS
2015- Rhinology Chair, Education Committee, AOCOO-HNS
2017-2018 Co-Director, ARS Webinar Series
2017-2020 Committee Member, ARS Program Committee
2018-2021 Committee Member, ACCME Committee, ARS

2019-2022 Physician Champion - University of Washington, ARS
2023- Committee member, Development Steering Committee, ARS

XV. SPECIAL LOCAL RESPONSIBILITIES:

2006-2007 President, Sigma Sigma Phi, LECOM Chapter of National Osteopathic Honors Society
2006-2007 National Liaison Officer. Student Osteopathic Surgical Association. LECOM Chapter.
2006-2008 Student Ambassador. LECOM, Erie, PA.
2011-2013 Member, Resident Education Council, Detroit Medical Center
2013-2014 Elected Chief Resident, Department of Otolaryngology, Detroit Medical Center, Michigan State University
2016-2017- Member, Program Education Committee, UW Department of Otolaryngology
Residency Site Director, Otolaryngology, University of Washington Medical Center - Montlake
2018-2022 Department Career Advisor, Otolaryngology, UWSOM
2017-2022 Director, Otolaryngology Clerkship, UWSOM
2019-2020 Chair, Search Committee, UW Otolaryngology Rhinology Faculty Search (x2)
2021-2022 Member, ACGME Residency Self Study Committee
2022- Member, Compensation Committee, UW Department of Otolaryngology
2022- Board Member, Northwest Academy of Otolaryngology
2022- Member, Leadership Committee, UW Department of Otolaryngology
2023- Member, Surgery Core Group Committee, UWMC-Montlake

XVI. RESEARCH FUNDING/EFFORT:

A. Current

2017- Sponsors: Cole-Reagins Foundation/Private Philanthropy (Gift)
Role: Site-PI, Responsible for all aspects of UW involvement including regulatory, recruitment, data acquisition, and development. Executive Board Member.
Title: Cole-Reagins Registry for Sinonasal Cancer (CORSICA): A multi-institutional sinonasal cancer registry and biorepository.
PIs: Peter Hwang and Dan Beswick

2021- Sponsor: NIH Academic Research Enhancement Award R15 PAR-18-714
Role: Co-PI responsible for study concept, design, cadaver dissection, data acquisition, and manuscript preparation
Title: Real-time Intraoperative Bone Removal Detection in ESSBS for Reducing Revision Surgery
Costs: \$169,070
Co-PI: Yangming Li

B. Completed

2018-2019 Sponsor: UW Department of Otolaryngology Seed Grant

	Role:	Co-PI responsible for study concept, design, cadaver dissection, data acquisition, and manuscript preparation
	Title:	Virtual Real-time Intraoperative Computed Tomography by Endoscopic Simultaneous Localization and Mapping (SLAM)
	Costs:	\$10,000
	Co-PI:	Randy Bly
2021-2023	Sponsors:	UW CoMotion Innovation Gap Fund
	Role:	Contributor
	Title:	Semi-Automated Method of Editing Surgical Videos
	Costs:	\$50,000
	PIs:	Lingga Adidharm, Randy Bly
2021-2024	Sponsors:	American Academy of Otolaryngology – Head & Neck Surgery
	Role:	Faculty (Clinical) Sponsor, Contributor
	Title:	Olfactory Stimulation of Dopaminergic Reward Pathways in the Rat Brain
	Costs:	\$10,000
	PIs:	Eve Champaloux

XVII. PATENTS

2020	Automated Method for Editing Surgical Videos. Inventors: Lingga Adidharma, Randall Bly, Zixin Yang, Christopher Young, Yangming Li, Blake Hannaford, Ian Humphreys , Waleed Abuzeid, Manuel Ferreira, Kris Moe. Patent #: 63/149,042
2022	Automated Method for Classifying Images. Inventors: Lingga Adidharma, Randall Bly, Zixin Yang, Christopher Young, Yangming Li, Blake Hannaford, Ian Humphreys , Al-Waleed M Abuzeid, Manuel Ferreira, Kristin S. Moe, & Daniel King. Patent #: 17/670,082

XVIII. BIBLIOGRAPHY:

A. Publications in Refereed Journals

1. Zhang R, Loganathan S, **Humphreys IM**, Srivastava SK. Benzyl isothiocyanate-induced DNA damage causes G2/M cell cycle arrest and apoptosis in human pancreatic cancer cells. *J Nutr.* 2006 Nov; 136(11):2728-34. [original work]
2. Zhang R, **Humphreys IM**, Sahu RP, Shi Y, Srivastava SK. In vitro and in vivo induction of apoptosis by capsaicin in pancreatic cancer cells is mediated through ROS generation and mitochondrial death pathway. *Apoptosis.* 2008 Dec;13(12):1465-78. [original work]
3. **Humphreys IM**, Saraiya S, Belenky W, Dworkin J. Nasal Packing with Strips of Cured Pork as Treatment for Uncontrollable Epistaxis in a Patient with Glanzmann

- Thrombasthenia. *Annals of Otolaryngology, Rhinology, & Laryngology*. 2011 Nov;120(11):732-6. [case report]
4. Velasquez N, Huang Z, **Humphreys IM**, Nayak JV. Inferior turbinate reconstruction using porcine small intestine submucosal xenograft demonstrates improved quality of life outcomes in patients with empty nose syndrome. *Int Forum Allergy Rhinol*. 2015 Nov;5(11):1077-81. [original work]
 5. Locketz GD, Teo N, Walgama E, **Humphreys IM**, Nayak JV. The nasal vestibular body: anatomy, clinical features, and treatment conditions. *Eur Arch Otorhinolaryngol*. 2016, 273:1077-81. [original work]
 6. Vandjelovic ND, **Humphreys IM**. Immunoglobulin G4-related sclerosing disease of the paranasal sinuses: A case report and literature review. *Allergy Rhinol*. 2016 Jan;7(2):85-9. [case report]
 7. Lee VS, **Humphreys IM**, Purcell PL, Davis GE. Manuka honey sinus irrigation for the treatment of chronic rhinosinusitis: a randomized controlled trial. *Int Forum Allergy Rhinol*. 2017 Apr;7(4):365-372. [original work]
 8. Li Y, Bly RA, Harbison RA, **Humphreys IM**, Whipple ME, Hannaford B, Moe KS. Anatomical Region Segmentation for Objective Surgical Skill Assessment with Operating Room Motion Data. *J Neurol Surg B Skull Base*. 2017 Dec;78(6):490-496. [original work]
 9. Harbison RA, Dunlap J, **Humphreys IM**, Davis GE. Skills Transfer to Sinus Surgery via a Low-Cost Simulation-Based Curriculum. *Int Forum Allergy Rhinol*. 2018 Apr;8(4):537-546. [original work]
 10. Aghdasi N, Whipple M, **Humphreys IM**, Moe KS, Hannaford B, Bly RA. Automated Surgical Approach Planning for Complex Skull Base Targets: Development and Validation of a Cost Function and Semantic Atlas. *Surg Innov*. 2018 Jun 1. [original work]
 11. Wandell GM, Miller C, Rathor A, Hee T, Guyer RA, Schmidt RA, Turner JH, Hwang PH, Davis GE, **Humphreys IM**. A Multi-Institutional Review of Outcomes in Biopsy-Proven Acute Invasive Fungal Sinusitis. *Int Forum Allergy Rhinol*. 2018;8:1459-1468. [original work]
 12. Hicks K, Moe KS, **Humphreys IM**. Bilateral Transorbital and Transnasal Endoscopic Resection of a Frontal Sinus Osteoblastoma and Orbital Mucocele: A Case Report and Review of the Literature. *Ann Otol Rhinol Laryngol*. 2018 Nov; 127(11):864-869. [case report]
 13. Hannaford B, Bly R, **Humphreys IM**, Whipple M. Behavior Trees as a Representation for Medical Procedures. *Journal of American Medical Informatics Association*. August 2018. Available at: <http://arxiv.org/abs/1808.08954> [original work]
 14. Miller C, Berens A, Patel S, **Humphreys IM**, Moe KS. Transorbital Approach for Improved Access in the Management of Paranasal Sinus Mucoceles. *J Neurol Surg B Skull Base*. 2019 Dec;80(6):593-598. [original work]
 15. Fung M, Babik J, **Humphreys IM**, Davis GE. Diagnosis and Treatment of Acute Invasive Fungal Sinusitis in Cancer and Transplant Patients. *Curr Infect Dis Rep* 2019, 21;53. [review]

16. **Humphreys IM**, Wandell GM, Miller C, Rathor A, Schmidt RA, Turner JH, Hwang PH, Davis GE. A multi-institutional review of outcomes in biopsy-proven chronic invasive fungal sinusitis. *Int Forum Allergy Rhinol*. 2020;00:1-10. [original work]
17. Miller C, **Humphreys IM**, Davis GE. Effect of Over-The-Counter Ibuprofen Dosing After Sinus Surgery for Chronic Rhinosinusitis: A Prospective Cohort Pilot Study. *Ann. Otol. Rhino. Laryngol*. 2020 Feb 6. [original work]
18. Lee V, **Humphreys IM**, Purcell P, Davis GE. Manuka honey versus saline sinus irrigation in the treatment of cystic fibrosis-associated chronic rhinosinusitis: A randomized pilot trial. *Clinical Otolaryngology*. 2021;46:168-174. [original work]
19. Feng M, Lao V, Choby G, Bolton P, Marino M, Weingarten T, **Humphreys IM**, Dhillon S, Choi B, Fernandez R, Mehter N, Chen P. Survey of anesthesiologists on topical vasoconstrictors and intravenous tranexamic acid for endoscopic sinus surgery. *Ann Otol Rhinol Laryngo*, 2022, 13(1):59-70. [original work]
20. Jafari A, Shen S, Qualliotine J, Lehman A, **Humphreys IM**, Abuzeid WA, Bergmark RW, Gray ST. Socioeconomic factors affect presentation stage and survival in sinonasal squamous cell carcinoma. *Laryngoscope* 2021, In-press. [original work]
21. Beswick DM, Hwang PH, Adappa ND, Le C, **Humphreys IM**, Getz AE, Suh JD, Aasen DM, Abuzeid W, Chang EH, Kaizer AM, Kingdom TT, Kohanski MA, Nabavizadeh SA, Nayak JV, Palmer JN, Patel ZM, Ramakrishnan VR, Snyderman CH, St John MA, Wild J, Wang EW. Surgical Approach is Associated with Complication Rate in Sinonasal Malignancy: A Multi-Center Study. *Int Forum Allergy Rhinol* 2021;1-9. [original work]
22. Konuthula N, Abuzeid WA, **Humphreys IM**, Bly RA, Moe KS. Endoscopic paramaxillary approach to the infratemporal fossa and pterygomaxillary space: computer modeling analysis and clinical series. *J Neurol Surg Part B: Skull Base* 2021 Aug 18. [original work]
23. Lehmann AE, Von Sneidern M, Shen SA, **Humphreys IM**, Abuzeid WA, Jafari A. Does Reconstruction Affect Outcomes Following Exclusively Endoscopic Endonasal Resection of Benign Orbital Tumors?: A Systematic Review and Meta-Analysis. *World Journal of Otorhinolaryngology- Head & Neck Surgery*. In press. [original work]
24. Li Yangming, Konuthula N, **Humphreys IM**, Moe K, Hannaford B, Bly R. Real-time Virtual Intraoperative CT in Endoscopic Sinus Surgery. *International Journal of Computer Assisted Radiology and Surgery*. In press. [original work]
25. Abuzeid WM, Trott E, Jafari A, Moe KS, **Humphreys IM**. Is there a role for bedside biopsy in the evaluation of acute invasive fungal rhinosinusitis? *Laryngoscope Best Practices*. 2021, In-press. [original work]
26. Riley CA, Navarro A, Trinh L, Abuzeid WA, **Humphreys IM**, Akbar NA, Shah S, Lee JT, Wu T, Schneider JS, Tolisano AM, McCoul ED. What do we mean when we have a "sinus infection." *Int Forum Allergy Rhinol*. In press. [original work]
27. Cvancara DJ, Baertsch HC, Lehmann AE, **Humphreys IM**, Farrell NF, Marshall TB, Bhatt NK, Abuzeid WA, Jafari A. Post-marketing reporting of Paxlovid-related dysgeusia: a real-world pharmacovigilance study. *Otolaryngology- Head & Neck Surgery*. 2023. In press. [original work]
28. Riley CA, Soneru CP, Navarr A, Trinh I, Abuzeid WA, **Humphreys IM**, Akbar NA, Shah S, Lee JT, Wu TJ, Schneider JS, McCoul ED. Layperson perception of symptoms

- caused by the sinuses. *Otolaryngology-Head and Neck Surgery*. 2023. In press. [original work]
29. Roland LT*, **Humphreys IM***, Le CH*, et al. Diagnosis, Prognosticators, and Management of Acute Invasive Fungal Rhinosinusitis: An Evidence-Based Review with Recommendations. *Int Forum Allergy Rhinol*. In press [original work] (* these authors contributed equally to this manuscript)
 30. Jafari A, et al (**Humphreys IM**). Orbital Resection by Intranasal Technique (ORBIT) Stage: A new classification system for reporting endoscopically resectable primary benign orbital tumors. *Int Forum Allergy Rhinol*. In press [original work]
 31. Konuthula N, Bly RA, Abuzeid WA, **Humphreys IM**, Masco VV, Hannaford B, Moe KS. Multiportal retrograde endoscopy to enhance surgical target visualization: a pilot study. *J Neurol Surg Part B: Skull Base* 2023 [original work]
 32. Fischer JL, Tolisano AM, Navarro AI, Trinh L, Abuzeid WA, **Humphreys IM**, Akbar NA, Shah S, Schneider JS, Riley CA, McCoul ED. Layperson Perception of Reflux-Related Symptoms. *Oto Open*. In press [original work]
 33. Maoz SL, Wang EW, Hwang PH...**Humphreys IM**, et al. Long-Term Quality of Life after Treatment in Sinonasal Malignancy: A Prospective, Multi-Center Study. *Int Forum Allergy Rhinol*. In press 2023 [original work]
 34. Fischer JL, Tolisano AM, Navarro AI, Trinh L, Abuzeid WM, **Humphreys IM**, et al. Are you Congested? A Comparison of Definitions Between Otolaryngologists and Their Patients. *Int Forum Allergy Rhinol* 2024;14,1:86-95. [original work]
 35. Fleseriu CM, Beswick DM, Maoz SL, **Humphreys IM**, et al. Predictive factors for decreased baseline quality of life in patients with sinonasal malignancies. *Int Forum Allergy Rhinol* 2024;14(4):775-785. [original work]
 36. Kuan E, **Humphreys IM**, et al. International Consensus Statement on Allergy and Rhinology: Sinonasal Tumors. *Int Forum Allergy Rhinol* 2023. In press [original work].
 37. Cvancara D, Wood H, Aboueisha M, **Humphreys IM**, Abuzeid WA, Lehmann A, Kojima Y, Jafari AJ. Cognition and saccadic eye movement performance are impaired in chronic rhinosinusitis. *Int Forum Allergy Rhinol* 2024;14(7);1026-1217. [original work].
 38. Maoz SL, Golzar A, **Humphreys IM**, et al. University of Washington Quality of Life Subdomain Outcomes After Treatment in Sinonasal Malignancy: A Prospective, Multi-Center Study. *Int Forum Allergy Rhinol* 2024. In press [original work].
 39. Aboueisha M, Fernández-Penny F, Hodges J, Perez H, Lehmann A, **Humphreys IM**, Abuzeid W, Jafari A. Patient Factors Influence Minimal Clinically Important Difference for the SNOT-22 in Medically-Treated Chronic Rhinosinusitis. *Int Forum of Allergy Rhinol*, 2025; 15:483-491. [original work].
 40. Fleseriu CM, Wang EW, Beswick DM, **Humphreys IM**, et al. Correlation of the Sinonasal Outcome Test-22 with the University of Washington Quality of Life in Assessing Quality of Life in Sinonasal Malignancy Utilizing a Multicenter Prospective Observation Cohort Registry. *Int Forum Allergy Rhinol* 2025; 15:451-454. [original work].
 41. Cvancara D, Aboueisha M, Sharma A, Sharma D, **Humphreys IM**, Jafari A, Abuzeid WA. Sleep Dysfunction in Aspirin Exacerbated Respiratory Disease. *World J Otorhinolaryngology – Head Neck Surg* 2025;11:1-9. [original work].

42. Takayesu JSK, Parvathaneni U, Laramore GE, Panjwani N, Sillings J, Futran ND, **Humphreys IM**, et al. Adjuvant Proton Beam Radiation Therapy For Sinonasal Mucosal melanoma. *Cancer Reports* 2025. [original work].
43. Wagner SK, Fischer JL, Navarro A, Trinh L, Abuzeid WA, **Humphreys IM**, et al. Sex-related Variability in the Perception of Symptoms Associated with Common Otolaryngologic Complaints. *Laryngoscope Investigative Otolaryngology* 2025. [original work].

B. Book Chapters

1. **Humphreys IM**, Hwang PH. How to avoid complications in endoscopic sinus surgery. In: *Otolaryngol Clin North Am*. 2015 Oct; 48(5):871-81.
2. Jafari A, **Humphreys IM**. Nasal Function and Evaluation. Decker Online Medical Education Text. Decker Med. 2021.
3. **Humphreys IM**, Moe KS. Transorbital approaches to the skull base and sinuses. In: *Rhinology- Diseases of the Nose, Sinuses, and Skull Base – 2nd Edition*. Thieme. 2024.
4. Johnson PJ, **Humphreys IM**. Transorbital Approaches to the Skull Base and Sinuses. Springer Nature. 2024

C. Published Books, Videos, Software, etc.

1. **Humphreys IM**, Nayak JK. Approach to the Clivus. American Rhinologic Society Surgical Dissection Video. 2015. <https://www.american-rhinologic.org/rhinology-dissection-videos>
2. **Humphreys IM**, Hwang PH. Endoscopic Nasopharyngectomy. American Rhinologic Society Surgical Dissection Video. 2015. <https://www.american-rhinologic.org/rhinology-dissection-videos>
3. **Humphreys IM**. Total Ethmoidectomy. American Rhinologic Society Surgical Dissection Video. 2015. <https://www.american-rhinologic.org/rhinology-dissection-videos>
4. **Humphreys IM**. Benign Sinonasal Masses. OtoSource Module. American Academy of Otolaryngology- Head & Neck Surgery. 2017. <https://www.otosource.org/content/benign-sinonasal-neoplasms>
5. Patel ZM, **Humphreys IM**, et al. Current Evidence in Rhinosinusitis ICAR Slide Deck Presentation. American Rhinologic Society. <https://amrs.memberclicks.net/icar-series>

D. Television/Social Media

1. In-studio TV appearance Fox-2 Detroit. Cured pork nasal packing for refractory epistaxis in young child.
2. Invited Podcast Episode on The Original Guide to Men’s Health. Episode 50: Ears, Nose, and Throat Health. <https://theoriginalguidetomenshealth.org/podcast/episode-50-ear-nose-and-throat-health/>

E. Manuscripts Submitted

1. Miller CM, Higgins M, **Humphreys IM**, Davis GE. Quality of YouTube Videos as an Educational Tool for Maxillary Anrostomy. [original work]
2. Lever AS, Wadell GM, Miller CM, Rathor A, Schmidt RA, Turner JH, Hwang PH, Davis GE, **Humphreys IM**. A multi-institutional review of outcomes in acute invasive fungal sinusitis by atypical fungal organisms. [original work]
3. Li Y, Konuthula N, **Humphreys IM**, Moe K, Hannaford B, Bly R. Real-time Virtual Intraoperative CT in Endoscopic Sinus Surgery. Journal of Medical Imaging. [original work]
4. Li Y, Bly R, Akkina S, Qin F, Saxena R, **Humphreys IM**, Whipple M, Moe K, Hannaford B. Learning surgical motion pattern from small data in endoscopic sinus and skull base surgeries. IEEE Robotics and Automation Letters. [original work]
5. Li Yangming, Bly R, Akkina S, Saxena R, **Humphreys IM**, Moe K, Hannaford B. Learning expert motion patterns with Gaussian Process Learning in Endoscopic Sinus and Skull Base Surgery. Special Issue: Autonomous Systems in Robotic Surgery for IEEE Robotics and Automation Letters. [original work].
6. Qureshi H, Bandhlish A, DeConde R, **Humphreys IM**, Abuzeid WA, Jafari A. Initial presentation of granulomatosis with polyangiitis as rapidly progressive skull base osteomyelitis with multiple cranial neuropathies. JAMA Otolaryngology. [original work]
7. Bky R, Abuzeid WA, Li Y, **Humphreys IM**, Hannaford B, Moe KS. Instrument Tracking algorithm for virtual intraoperative CT in sinus and skull base surgery. Laryngoscope. [original work]

F. Abstracts/Posters

1. Loganathan, S., **Humphreys IM**, Srivastava, SK. Antiproliferative effects of phenethyl isothiocyanate against human ovarian cancer cells via inhibition of epidermal growth factor receptor. Poster presented at: American Association of Cancer Research; Anaheim, CA. April 2005.
2. **Humphreys IM**, Loganathan S., Srivastava, SK. Capsaicin induces apoptosis in human pancreatic cancer cells by activating the mitochondrial death pathway. Poster presented at: American Association of Cancer Research; Anaheim, CA. April 2005.
3. **Humphreys IM**, Da Costa V, Hauptert M. Radiofrequency ablation of tracheal stenosis in a pediatric patient. Poster presented at: American Society of Pediatric Otolaryngology division of Combined Otolaryngology Spring Meeting; Las Vegas, NV. May 2014.
4. **Humphreys IM**, Noel J, Nayak JV, Hwang PHH. Lymphoma associated sinonasal amyloidosis: A report of two cases. Poster presented at: American Rhinologic Society Annual Meeting; Dallas, TX. September 2015.
5. Berens A, Miller C, Patel S, **Humphreys I**, Moe K. Transorbital Management of Paranasal Sinus Mucocoeles. Poster presented at: American Rhinologic Society COSM Meeting; Chicago, IL. May 2016.
6. Lee VS, **Humphreys IM**, Purcell PL, Davis GE. A randomized controlled trial of Manuka honey sinus irrigation for the treatment of cystic fibrosis chronic

- rhinosinusitis. American Rhinologic Society at AAO-HNS. Chicago, IL. September 2017.
7. Strub GM, **Humphreys IM**, Johnson K. Pilot Testing of a Reusable Orbital Hematoma Simulator. American Academy of Otolaryngology- Head & Neck Surgery Annual Meeting. Chicago, IL. September 2017.
 8. Lieberman J, Bradley B, Eckel A, **Humphreys IM**, Davs GE, Schmidt R, Bryan A. Improving the pre-test probability of detecting invasive fungal infections: A valuable role for anatomic pathology reports. Academy of Clinical Laboratory Physicians and Scientists (ACLPS) 2018.
 9. Larson A, **Humphreys IM**, Amjad E. Atypical Cellular Neurothekeoma of the Nasal Vestibule. Presented at the American Academy of Otolaryngology- Head & Neck Surgery Annual Meeting. New Orleans, LA. September 2019.
 10. Miller C, Higgins M, **Humphreys IM**, Davis GE. Quality of YouTube Videos as an Educational Tool for Maxillary Antrotomy. Presented at the 65th Annual Meeting of the American Rhinologic Society. New Orleans, LA. September 2019.
 11. Andrew Lui, Upendra Parvathaneni, M.B., FRANZCR, George Laramore, Ph.D., M.D., Cristina Rodriguez, M.D., Robert Rostomily, M.D., Daniel Silbergeld, M.D., Manuel Ferreira, M.D., Neal Futran, M.D., D.M.D., Kristen Moe, M.D., Gregory Davis, M.D., **Ian Humphreys, D.O.**, Jeffrey Houlton, M.D., Stephanie Schaub, M.D., Jay J Liao, M.D. Management and Long-Term Outcomes of Esthesioneuroblastoma: 30-year Experience at a Single Institution. Abstract/Poster. Presented at UW Undergraduate Research Symposium, May 19, 2017.
 12. Andrew Lui, Upendra Parvathaneni, George Laramore, Cristina Rodriguez, Robert Rostomily, Daniel Silbergeld, Manuel Ferreira, Neal Futran, Kristen Moe, Gregory Davis, **Ian Humphreys**, Jeffrey Houlton, Stephanie Schaub, Jay Liao. Management and Long-Term Outcomes of Esthesioneuroblastoma at a Single Institution. Abstract/Poster Presentation. Presented at ASTRO 2017 Annual Meeting, September 24-27 in San Diego, California.
 13. Cristina P. Rodriguez, Jay Justin Liao, Andrew W. Lui, Upendra Parvathaneni, George E Laramore, **Ian Humphreys**, Greg Davis, Renato G. Martins, Marc C. Chamberlain. Patterns of recurrence in patients with sinonasal undifferentiated carcinoma (SNUC) treated with multimodality therapy at a single center. Abstract. J Clin Oncol 35, 2017 (suppl; abstr e17575). Presented at ASCO Annual Meeting 2017.
 14. Odineal D, Henning P, **Humphreys IM**, Mcllwain W. Sinus Limited Granulomatosis with Polyangiitis: A Whiff of Vasculitis. Washington American College of Physicians Annual Chapter Meeting, Seattle, WA 2020.
 15. **Humphreys IM**. Layperson Perception of Reflux-Related Symptoms. American Academy of Otolaryngology- Head & Neck Surgery Annual Meeting. Philadelphia, PA 2022.
 16. Pulido R, Abuzeid WA, **Humphreys IM**, Bly R. An Objective Assessment of Sinus Surgery in 3D Printed Models. American Academy of Otolaryngology- Head & Neck Surgery Annual Meeting. Nashville, TN 2023.
 17. Takayesu JSK, Parvathaneni U...Humphreys IM, Liao JJ. Adjuvant Proton Beam Radiation Therapy for Sinonasal Mucosal Melanoma. PTCOG-NA Meeting. 2023.

XIX. PRESENTATIONS/COURSES/SCHOLARLY ACTIVITY:

A. National Presentations

1. "Cambodia: A Mission of Sustainability." Presenter. American Academy of Otolaryngology Head & Neck Surgery Annual National Meeting- Humanitarian Efforts Forum. Washington, DC Sept 2012.
2. "Challenging Cases in Rhinology." Panel Moderator. American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly National Meeting. Scottsdale, AZ May 2016.
3. "Office-based Rhinology." Panelist. American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly National Meeting. Scottsdale, AZ May 2016.
4. "Challenging Endoscopic Skull Base Cases." Panelist. American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly National Meeting. Scottsdale, AZ May 2016.
5. "Multiple Complex Skull Base Mucoceles." Presenter. American Rhinologic Society Summer Sinus Symposium National Meeting. Chicago, IL. July 2016.
6. "Basic ESS." Presenter. American Rhinologic Society 1st Annual Resident National Dissection Course. September 2016.
7. "Orbital Decompression." Presenter/Pro-section. American Rhinologic Society's 1st Annual Resident National Dissection Course. September 2016.
8. "Pre-Operative Planning & Basic ESS." Presenter. American Rhinologic Society National Resident Webinar. January 2017.
9. "Sinus Surgery Failures." Panelist. American Osteopathic College of Otolaryngology-Head & Neck Surgery Annual Clinical Assembly National Meeting. May 2017.
10. "Frontal Sinus Surgery: Evaluation to Execution." Panel Moderator. American Osteopathic College of Otolaryngology- Head & Neck Surgery Annual Clinical Assembly National Meeting. May 2017.
11. "Management of Skull Base Mucoceles." Presenter. North American Skull Base Society Annual Meeting. San Diego, CA. 2018.
12. "Endoscope, Instrument and Pathway Relative Motion as Metric for Automated Objective Skill Assessment in Skull Base and Sinus Surgery." Presented at North American Skull Base Society Annual Meeting. San Diego, CA. 2018.
13. "Evidence Based Perioperative Care of the Sinus Patient." Presenter. 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery National Meeting. Bonita Springs, FL. May 2018.
14. "Nasal Polyps: Phenotypes and Endotypes." Presenter. 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery National Meeting. Bonita Springs, FL. May 2018.
15. "Evaluation and Management of Anterior Skull Base CSF Leaks." Presenter. 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology-Head & Neck Surgery National Meeting. Bonita Springs, FL. May 2018.
16. "New Techniques in Turbinate Reduction: Power & Energy." Presenter. 7th Annual Summer Sinus Symposium of the American Rhinologic Society National Meeting. Seattle, WA. July 2018.

17. "Challenging Cases in Rhinology." Panelist. 103rd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery National Meeting. Orlando, FL. May 2019.
18. "Commonly Encountered Masses of the Sinuses and Skull Base." Presenter. 103rd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery National Meeting. Orlando, FL. May 2019.
19. "Primary Sinus Surgery: Getting it Right the First Time." Presenter. 103rd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery National Meeting. Orlando, FL. May 2019.
20. "Beyond Budesonide: Topical Antibiotics and Additives." Presenter. Rhinoworld 2019. American Rhinologic Society National Meeting. Chicago, IL. June 2019.
21. "Atypical fungal infections affect outcomes in acute invasive fungal sinusitis: a multi-institutional review." Presenter. 65th Annual Meeting of the American Rhinologic Society National Meeting. New Orleans, LA. September 2019.
22. "A multi-institutional review of outcomes in biopsy-proven chronic invasive fungal sinusitis." Presenter. 65th Annual Meeting of the American Rhinologic Society National Meeting. New Orleans, LA. September 2019.
23. "Biologics for CRS: Where have all the Polyps Gone?" Presenter. Vanderbilt Otolaryngology International Symposium. Vail, CO. February 2020
24. "Multiportal Transorbital Neuroendoscopic Surgery." Panelist. Weil-Cornell Rhinology Fellows Lecture Series. Virtual. June 2020.
25. "Central Compartment Atopic Disease: New Views on an Old Problem". Presenter. 104th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery National Meeting. Virtual. April 2021.
26. "Transorbital and Paramaxillary Approaches in Endoscopic Sinus & Skull Base Surgery." Presenter. 105th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery National Meeting. San Juan, Puerto Rico. May 2022.
27. "Sinonasal Manifestations of Systemic Disease: A Framework for Evaluation." Presenter. 105th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery National Meeting. San Juan, Puerto Rico. May 2022.
28. "Endoscopic Third Ventriculostomy." Presented at the American Rhinologic Society Fall Film Festival. ARS at AAO-HNS Annual Meeting. Philadelphia, PA. September 2022.
29. "Olfactory Disorders Post COVID: What have we learned?" Panelist. Northwest Academy of Otolaryngology Winter Meeting. Whistler, CA. January 2023.
30. "Septal Perforation Repair: Endoscopic Anterior Ethmoidal Artery Flap". Presenter. 106th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery. Carlsbad, CA. May 2023.
31. "Challenging Cases in Rhinology." Presenter. 106th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery. Carlsbad, CA. May 2023.
32. "Complex Care in Rhinology." Presenter. 107th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery. Myrtle Beach, SC. May 2024.

33. "Challenging Cases in Rhinology." Panelist. 107th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery. Myrtle Beach, SC. May 2024.
34. "Septal Perforation Repair." Presenter. 2024 Assembly of the North Carolina/South Carolina Societies of Otolaryngology – Head & Neck Surgery. Asheville, NC. July 2024
35. "Challenging and Scary Cases in Rhinology." Panelist. 2024 Assembly of the North Carolina/South Carolina Societies of Otolaryngology – Head & Neck Surgery. Asheville, NC. July 2024
36. "Primary Sinus Surgery: Strategies for Success." Keynote Address. 2024 Assembly of the North Carolina/South Carolina Societies of Otolaryngology – Head & Neck Surgery. Asheville, NC. July 2024
37. "Challenging Rhinology Topics: An Interactive Panel Dissection". Presenter and Moderator. 108th Annual Clinical Assembly of the American Osteopathic College of Otolaryngology – Head & Neck Surgery. New Orleans, LA. May 2025.

B. Local/Regional Presentations

1. "Surgical Management of Sinus Disease." Presenter. Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Nov 2009.
2. "Epistaxis." Presenter. Michigan State University Department of Internal Medicine, Detroit Medical Center Grand Rounds. Jan 2011.
3. "Review of Pediatric Syndromes for the Otolaryngologist." Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Feb 2011.
4. "Cholesteatoma." Michigan State University Department of Otolaryngology Detroit Medical Center Grand Rounds. Sept 2012.
5. "Sinonasal Malignancy." Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Oct 2013.
6. "Pediatric Nasal Mass." Invited lecturer at Michigan State University Pediatric Otolaryngology Symposium. Troy, MI. Nov 2013.
7. "Endoscopic Management of Anterior Skull Base Neoplasms." Stanford University Department of Otolaryngology Grand Rounds. Mar 2015.
8. "Frontal Sinusotomy." Presented at the University of Washington Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. November 2015.
9. "ENT Emergencies." Invited presenter at the Washington Chapter of the American College of Emergency Physicians Annual Meeting. Seattle, WA April. June 2016.
10. "Sinusitis: Update and Review." Presented at the University of Washington East Side Specialty Center Primary Care Grand Rounds. Seattle, WA. July 2016.
11. "Sinusitis." Invited presenter at the University of Washington Pacific Northwest CME webinar lecture series. <https://morningcme.com> Seattle, WA. October 2016.
12. "Complications of Sinus Surgery." Presented at the University of Washington Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. November 2016.
13. "Balloon Sinuplasty." Presented at the University of Washington Lesley Watson Resident Surgical Simulation Course. Seattle, WA. November 2016.

14. "Principles in Management of Sinonasal Neoplasms." Presented at the University of Washington Department of Otolaryngology morning conference. Seattle, WA. December 2016.
15. "Current Techniques of Surgical Management in Chronic Rhinosinusitis." Panelist. Northwest Academy of Otolaryngology Annual Winter Meeting. Whistler, BC. January 2017.
16. "Maximizing Visualization and Hemostasis in ESS." Presented at the Northwest Academy of Otolaryngology Annual Winter Meeting. Whistler, BC. January 2017.
17. "Maximal Medical Therapy for CRS." Presented at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, WA. March 2017.
18. "N of 1: CRS and Omalizumab." Presented at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, WA. March 2017.
19. "Pterygopalatine Fossa Dissection." Prosection at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, Wa. March 2017.
20. "Update on Chronic Rhinosinusitis: ICAR Guidelines 2016." Invited presentation at the University of Washington Division of Allergy & Immunology Grand Rounds. Seattle, WA. June 2017.
21. "Cystic Fibrosis Chronic Rhinosinusitis." Presented at the Division of Pediatric Otolaryngology Grand Rounds at Seattle Children's Hospital. Seattle, WA. April 2018.
22. "Challenging Cases in Rhinology." Presented at the UW Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. November 2018.
23. "Solving Rhinology Challenges with Today's Innovations." Panelist. Northwest Academy of Otolaryngology Winter Meeting. Seattle, WA. January 2018.
24. "Sinus Surgery: Success and Failure." Presented at the University of Washington Medical Center Otolaryngology Surgical Services In-Service. Seattle, WA. June 2018.
25. "Primary Sinus Surgery: Getting it Right the First Time." Presented at the Northwest Academy of Otolaryngology Winter Meeting. Whistler, BC. January 2019.
26. "The Inferior Turbinate: What Do We Do With These?" Presented at the Seattle Otology & Advanced Rhinology Course at Seattle Science Foundation. Seattle, WA. March 2019.
27. "Surgical Decision Making in Rhinology." Presented at the UW Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. November 2019.
28. "Challenging Cases in Rhinology." Panelist. Northwest Academy of Otolaryngology Winter Meeting. Whistler, CA. January 2020.
29. "Primary Sinus Surgery for Residents" Presented at the University of Washington Department of Otolaryngology Grand Rounds. Seattle, WA. April 2020.
30. "Evaluation & Management of CSF Rhinorrhea for the Resident Physician". Presented at the University of Washington Department of Otolaryngology Grand Rounds. Seattle, WA. May 2020.
31. "UW Otolaryngology Town Hall". Organized and moderated panel discussion as national town hall format to non-UW Otolaryngology interested medical students across the country. Seattle, WA. May 2020.
32. "Central Compartment Atopic Disease". Invited talk. University of Washington Allergy & Immunology Lecture Series. Seattle, WA. June 2020.

33. "Complications of ESS". Presented at the UW Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. January 2021.
34. "Rhinology Potpourri". Presented at the UW Lesley Watson Resident Sinus Surgical Simulation Course. Seattle, WA. January 2021.
35. "Central Compartment Atopic Disease" Presented at the University of Washington Department of Otolaryngology Grand Rounds. Seattle, WA. March 2021.
36. "Basic ESS" Presented at the University of Washington Department of Otolaryngology Grand Rounds. March 2021.
37. "Central Compartment Atopic Disease: New Views on an Old Problem" Invited Talk. Presented at the University of Washington Allergy & Immunology Lecture Series. Seattle, WA. February 2022.
38. "Odontogenic Sinusitis: Views from Above". Invited Talk. Presented at the University of Washington Department of Oral & Maxillofacial Surgery Grand Rounds. Seattle, WA. May 2022.
39. "Chronic Rhinosinusitis & Biologics". Invited Talk. Presented at the Washington State Society of Allergy, Asthma, & Immunology - Northwest Allergy Forum. Seattle, WA. October 2022.
40. "Septal Perforation Repair: AEA Flap". Invited Talk. Presented at the Seattle Otology and Advanced Rhinology (SOAR) Course. Seattle, WA. March 2023.
41. "Invasive Fungal Sinusitis." Presented at the University of Washington Department of Otolaryngology Grand Rounds. July 2023.
42. "Odontogenic Sinusitis: An Otolaryngologist Perspective". Presented at the University of Washington Department of Otolaryngology Grand Rounds. October 2023.
43. "Complex Care in Rhinology." Presented at the University of Washington Department of Otolaryngology Graduation Symposium. Seattle, WA. June 2024.

C. Courses Directed/Faculty

1. Course Co-Director. Stanford Otolaryngology Resident Sinus Surgery Dissection Course. Stanford, CA. 2014.
2. Faculty. Seattle Otology and Advanced Rhinology (SOAR) Course. Seattle Science Foundation. Seattle, WA. 2016.
3. Lab Faculty. Virginia Mason Endoscopic Sinonasal & Skull Base Anatomy and Surgical Techniques Course. Virginia Mason Hospital. Seattle, WA. 2016.
4. Faculty. American Rhinologic Society Annual Resident Dissection Course. San Diego, CA. 2016.
5. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2016.
6. Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2017.
7. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2018.
8. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2019.
9. Faculty. Seattle Otology and Advanced Rhinology (SOAR) Course. Seattle Science Foundation. Seattle, WA. 2019.

10. Director. Endoscopic Sinus Surgery Cadaver Dissection Workshop. Annual Clinical Assembly of the AOCOO-HNS. Orlando, FL. 2019.
11. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2020.
12. Director. Inaugural Endoscopic Sinus Surgery Dissection Course. Annual Clinical Assembly of the AOCOO-HNS. San Juan, Puerto Rico. 2022.
13. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2022.
14. Faculty. Seattle Otology and Advanced Rhinology (SOAR) Course. Seattle Science Foundation. Seattle, WA. 2023.
15. Director. 2nd Annual Endoscopic Sinus Surgery Dissection Course. Annual Clinical Assembly of the AOCOO-HNS. Carlsbad, CA. 2023.
16. Co-Director. UW Lesley Watson Annual Resident Sinus Surgery Course. University of Washington. Seattle, WA. 2023.
17. Director 3rd Annual Endoscopic Sinus Surgery Dissection Course. Annual Clinical Assembly of the AOCOO-HNS. New Orleans, LA. 2025.

D. CME Courses Attended

1. Otolaryngology Emergencies Course, Wayne State University, 2009
2. Otolaryngology Basic Science Course, University of Iowa, 2010
3. Simplified Approach to Head & Neck Radiology, University of Michigan, 2010
4. Advanced Techniques in Otolaryngology, Wayne State University, 2010
5. CO2 Laser Training, Detroit Medical Center, 2011
6. Laser Surgery, Voice Care, and Laryngeal Framework Surgery, University of Pittsburgh, 2011
7. Temporal Bone Dissection Course, Michigan Ear Institute, 2011
8. Sinus Surgery, Trauma, and Plating Course, Michigan State University, 2011
9. Simplified Approach to Head & Neck Radiology, University of Michigan, 2011
10. Minimally Invasive Facial Rejuvenation Course, Wayne State University, 2012
11. Endoscopic Sinonasal & Skull Base Surgery Course, Virginia Mason, 2012
12. Endoscopic Sinonasal & Skull Base Surgery Course, University of Michigan, 2012
13. Symposium on Maxillofacial Trauma & Plating, Wayne State University, 2013
14. Statistics 1 - Probability and Study Design, Institute for Statistics Education, 2013
15. Rhinofest Advanced Rhinologic Dissection Course, University of Buffalo, 2013
16. Osler Otolaryngology Board Review Course, Osler Institute, 2014
17. Advanced Sinus and Skull Base Surgery Course, American Rhinologic Society, 2014
18. Western States Rhinology Course, University of Colorado, 2014
19. Sinus Masters West, Medical Education Research Institute, 2015
20. AO Principles of CMF Trauma and Reconstruction, AO North America, 2015
21. Washington State Medical Association, Physician Leadership Course, 2022
22. UW Healthcare Finance 201 – Current World of Blended Fee-For-Service and Value-Based-Care, 2025

E. Humanitarian Efforts

1. World Health Mission. Jos University Teaching Hospital. Jos, Nigeria. 2002
2. Indian Health Services. Whiteriver Apache Reservation. Whiteriver, AZ. 2009.
3. Global ENT Outreach. Preah Ang Duong Hospital. Phnomh Penh, Cambodia. 2012.

F. Journal Peer Reviewer

1. Annals of Otolaryngology, Rhinology & Laryngology, 2015-
2. American Journal of Rhinology & Allergy, 2015-
3. International Forum of Allergy & Rhinology, 2015-
4. JAMA Otolaryngology- Head & Neck Surgery, 2017-

G. Consortium Research

1. Executive Board Member, Cole-Reagins Registry for Sinonasal Cancers (CORSICA)

H. Interests/Hobbies

1. Ironman, Mountaineering, Triathlon, Wakesurfing, Personal Finance/Investing, Camping

I. Professional Memberships

1. American Academy of Otolaryngology – Head & Neck Surgery
2. American Osteopathic College of Otolaryngology – Head & Neck Surgery
3. American Rhinologic Society
4. North American Skull Base Society
5. Northwest Academy of Otolaryngology

J. Non-Professional Memberships

1. USA Triathlon Association