

Ian M. Humphreys, DO FARS

Department of Otolaryngology- Head & Neck Surgery
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Employment:

- 2015 - Present UNIVERSITY OF WASHINGTON SCHOOL OF MEDICINE, Seattle, WA
Assistant Professor
Department of Otolaryngology- Head & Neck Surgery
- 2015 - Present VETERNS AFFAIRS PUGET SOUND HEALTH CARE SYSTEM, Seattle, WA
WOC Consulting Physician
Otolaryngology- Head & Neck Surgery
- 2014 – 2015 STANFORD UNIVERSITY SCHOOL OF MEDICINE, Stanford, CA
Clinical Instructor
Department of Otolaryngology- Head & Neck Surgery
- 2014 – 2015 VETERNS AFFAIRS PALO ALTO HEALTH CARE SYSTEM, Palo Alto, CA
WOC Consulting Physician
Otolaryngology – Head & Neck Surgery
- 2004 – 2005 UNIVERSITY OF PITTSBURGH CANCER INSTITUTE, Pittsburgh, PA
Research Specialist II
Hillman Cancer Center, Department of Pharmacology

Education:

- 2005 – 2009 LAKE ERIE COLLEGE OF OSTEOPATHIC MEDICINE, Erie, PA
Doctor of Osteopathic Medicine
Summa Cum Laude
Psi Sigma Alpha Distinction
- 1999 – 2004 UNIVERSITY OF PITTSBURGH, Pittsburgh, PA
Bachelor of Science in Biology
Concentration in Chemistry

Postgraduate Training:

- 2014 - 2015 STANFORD UNIVERSITY SCHOOL OF MEDICINE, Stanford, CA
Stanford Hospitals and Clinics
Fellowship in Rhinology and Endoscopic Skull Base Surgery
- 2009 – 2014 MICHIGAN STATE UNIVERSITY, Detroit, MI
Detroit Medical Center
Residency in Otolaryngology Head & Neck Surgery
- 2004 UNIVERSITY OF PITTSBURGH, Pittsburgh, PA
University of Pittsburgh School of Medicine
Autopsy & Pathology Internship

Licensure:

- 2015 - Present Washington
Unrestricted, License # OP60569306
- 2014 – 2015 California
Unrestricted, License # 13090

Funding: University of Washington Department of Otolaryngology- Head & Neck Surgery Research Seed Grant \$10,000, Junior Faculty Research Award, Granted August 2018 for "Virtual Real-time Intraoperative Computed Tomography by Endoscopic Simultaneous Localization and Mapping (SLAM)."

Professional Designations:

2018 – Present Fellow of the American Rhinologic Society

Professional Certifications:

2015 - 2017 Advanced Cardiovascular Life Support, American Heart Association
2015 - 2017 Basic Life Support, American Heart Association

Board Certification:

2015 - Present Board Certified, American Osteopathic Board of Otolaryngology- Head & Neck Surgery

Journal Peer Reviewer:

2017 – Present JAMA- Otolaryngology- Head & Neck Surgery
2015 – Present International Forum of Allergy & Rhinology
2015 – Present American Journal of Rhinology and Allergy
2015 – Present Annals of Otology, Rhinology, and Laryngology

Leadership

Positions:

2018 - Present COMMITTEE MEMBER
ACCME Committee, American Rhinologic Society

2018 – Present EDITOR - RHINOLOGY & ENDOSCOPIC SKULL BASE SURGERY
Annals of Clinical Case Studies

2018 – Present MEDICAL STUDENT CLERKSHIP DIRECTOR
University of Washington School of Medicine, Department of Otolaryngology- Head & Neck Surgery, Seattle WA

2017 – Present CO-DIRECTOR ARS WEBINAR SERIES
American Rhinologic Society
<http://www.american-rhinologic.org/webinar>

2017 - Present RESIDENCY SITE DIRECTOR
University of Washington Medical Center and Department of Otolaryngology, Seattle, WA

2016 - Present COMMITTEE MEMBER
Program Education Committee, University of Washington Department of Otolaryngology

2015 - Present RHINOLOGY CHAIR
Education Committee, American Osteopathic College of Otolaryngology- Head & Neck Surgery

2015 – 2018 COMMITTEE MEMBER
Education Committee, American Rhinologic Society

2018 PROGRAM COMMITTEE MEMBER
American Rhinologic Society 65th Annual Meeting, Atlanta, GA

2018 PROGRAM COMMITTEE MEMBER
American Rhinologic Society 64th Annual Meeting, National Harbor, MD

2017 PROGRAM COMMITTEE MEMBER
American Rhinologic Society 63rd Annual Meeting, Chicago, IL

2014 – 2017 COMMITTEE MEMBER
Residents and Fellows Committee, American Rhinologic Society

2014 – 2015 AFFILIATE MEMBER, NON-VOTING
Membership Committee, American Rhinologic Society

- 2014 - 2015 AFFILIATE MEMBER, NON-VOTING
Education Committee, American Rhinologic Society
- 2014 - 2015 MEMBER-AT-LARGE, COUNCIL OF RESIDENTS AND FELLOWS
American Osteopathic Colleges of Ophthalmology and Otolaryngology- Head and Neck Surgery
- 2014 PROGRAM DIRECTOR
Stanford University Department of Otolaryngology Resident Sinus Dissection Course
- 2013 - 2014 CHIEF RESIDENT
Michigan State University, Detroit Medical Center Department of Otolaryngology
- 2012 - 2014 RESIDENCY REPRESENTATIVE, SECTION OF RESIDENTS AND FELLOWS
American Academy of Otolaryngology- Head & Neck Surgery
- 2012 - 2014 RESIDENCY REPRESENTATIVE, COUNCIL OF RESIDENTS AND FELLOWS
American Osteopathic Colleges of Ophthalmology and Otolaryngology- Head and Neck Surgery
- 2011 - 2013 RESIDENT COUNCIL, DETROIT MEDICAL CENTER
Representative of the Otolaryngology residency program
- 2006 - 2007 PRESIDENT, SIGMA SIGMA PHI
President of the LECOM Chapter of the National Osteopathic Honors Society Sigma Sigma Phi.
Responsibilities included developing charity events and fundraisers, implementing community service projects, and promoting awareness for service in our local community.
- 2006 - 2007 NATIONAL LIAISON OFFICER, STUDENT OSTEOPATHIC SURGICAL ASSOCIATION (SOSA)
Served as the National Liaison Officer for the LECOM chapter of SOSA. Duties included corresponding with the national board of SOSA along with attendance at bi-annual national meetings.
- 2006 - 2007 STUDENT AMBASSADOR
As a LECOM Student Ambassador I had the privilege of meeting prospective students as they interviewed for admission to LECOM. My duties included campus tours, Q&A sessions, and interview lunches.

**Humanitarian
Experience:**

- 2012 GLOBAL ENT OUTREACH, Phnom Penh, Cambodia
Served with an international team of Otolaryngologists at Preah Ang Duong Hospital in Phnom Penh, Cambodia educating and instructing Cambodian residents and surgeons on otologic disease and surgical management. Performed over 40 otologic surgeries during the mission.
- 2009 INDIAN HEALTH SERVICES WHITERIVER APACHE RESERVATION, Whiteriver, AZ
Lived on the Whiteriver Apache Indian reservation for one month as a medical clerkship during medical school. Served in the Emergency Department, primary care clinics, and outpost medical mission sites.
- 2002 WORLD HEALTH MISSION, Jos, Nigeria
Served with an American led multi-specialty group of General Surgeons, Pathologists, Obstetrician & Gynecologists, and Internists at a Nigerian teaching hospital: Jos University Teaching Hospital.

**Book
Chapters:**

- 2017 **Humphreys IM**, Moe K. "Transorbital Approaches to the Skull Base and Sinuses." *Rhinology- Diseases of the Nose, Sinuses, and Skull Base*. 2nd Edition. Eds: Peter Hwang, David Kennedy, Richard Orlandi, PJ Wormald. New York-Stuttgart. Thieme. In Press.
- 2017 **Humphreys IM**. Benign Sinonasal Neoplasms. OtoSource Module. American Academy of Otolaryngology- Head & Neck Surgery. In press.
- 2015 **Humphreys IM**, Hwang P. How to Avoid Complications in Endoscopic Sinus Surgery. *Otolaryngol Clin North Am*. 2015 Oct; 48(5):871-81

Ongoing Multi-institutional Study

2016

Site PI. Cole-Reagins Registry for Sinonasal Cancers (CORISCA). Multi-institutional Sinonasal cancer registry. Eight participating institutions.

Research Publications:

2018

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. *Annals of Otolaryngology, Rhinology, & Laryngology* (in press).

2018

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. In press.

2018

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.

2018

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.

2017

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.

2016

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.

2016

Vandjelovic ND, **Humphreys IM**. Immunoglobulin G4-related sclerosing disease of the paranasal sinuses: A case report and literature review. *Allergy Rhinol (Providence)*. 2016 Jan;7(2):85-9.

2016

Locketz GD, Teo, N, Walgama E, **Humphreys IM**, Nayak JV. The nasal vestibular body: anatomy, clinical features, and treatment considerations. *Eur Arch Otorhinolaryngol* (2016) 273:777-781.

2015

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.

2011

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.

2008

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.

2006

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.

National Oral Presentations:

2018

"New Techniques in Turbinate Reduction: Power & Energy." Presented at the 7th Annual Summer Sinus Symposium of the American Rhinologic Society." Seattle, WA

2018

"Evaluation and Management of Anterior Skull Base CSF Leaks." Presented at 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery. Bonita Springs, FL.

2018

"Nasal Polyps: Phenotypes and Endotypes." Presented at 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery. Bonita Springs, FL.

- 2018 "Evidence Based Perioperative Care of the Sinus Patient." Presented at 102nd Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery. Bonita Springs, FL.
- 2018 "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 "Management of Skull Base Mucoceles." Lecturer & Panelist. North American Skull Base Society Annual Meeting. San Diego, CA
- 2017 "Frontal Sinus Surgery: Evaluation to Execution." Moderator. Presented at the Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery. May 2017.
- 2017 "Sinus Surgery Failures." Panelist. Presented at the Annual Clinical Assembly of the American Osteopathic College of Otolaryngology- Head & Neck Surgery. May 2017.
- 2017 "Pre-Operative Planning & Basic ESS." Presented at American Rhinologic Society National Resident Webinar. January 2017.
- 2016 "Orbital Decompression." Cadaveric prosection. Performed at the American Rhinologic Society's 1st Annual Resident Dissection Course. September 2016.
- 2016 "Basic ESS." Invited lecturer. Podium presentation. Presented at the American Rhinologic Society's 1st Annual Resident Dissection Course. September 2016.
- 2016 "Multiple Complex Skull Base Mucoceles." Presenter. Presented at the American Rhinologic Society's Summer Sinus Symposium Mentor and Mentee Skull Base Panel. Chicago, IL. July 2016.
- 2016 "Challenging Endoscopic Skull Base Cases." Panelist. Presented at the American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly. Scottsdale, AZ May 2016.
- 2016 "Office-based Rhinology." Panelist. Presented at the American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly Meeting. Scottsdale, AZ May 2016.
- 2016 "Challenging Cases in Rhinology." Moderator of this panel discussion. Presented at the American Osteopathic College of Otolaryngology Head & Neck Surgery Annual Clinical Assembly Meeting. Scottsdale, AZ May 2016.
- 2012 "Cambodia: A Mission of Sustainability." Presented at the American Academy of Otolaryngology Head & Neck Surgery Annual Meeting- Humanitarian Efforts Forum. Washington, DC Sept 2012.

**Local & Regional
Oral Presentations:**

- 2018 "Solving Rhinology Challenges with Today's Innovations." Panelist. Northwest Academy of Otolaryngology Winter Meeting. Seattle, WA
- 2018 "Cystic Fibrosis Chronic Rhinosinusitis." Presented at the Division of Pediatric Otolaryngology Grand Rounds at Seattle Children's Hospital. Seattle, WA
- 2017 "Update on Chronic Rhinosinusitis: ICAR Guidelines 2016." Invited presentation at the University of Washington Division of Allergy & Immunology Grand Rounds. Seattle, WA
- 2017 "Pterygopalatine Fossa Dissection." Prosection at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, Wa.
- 2017 "N of 1: CRS and Omalizumab." Presented at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, WA
- 2017 "Maximal Medical Therapy for CRS." Presented at the Seattle Otology and Rhinology Course. Seattle Science Foundation. Seattle, WA.
- 2017 "Maximizing Visualization and Hemostasis in ESS." Presented at the Northwest Academy of Otolaryngology Annual Winter Meeting. Whistler, BC.

- 2017 "Current Techniques of Surgical Management in Chronic Rhinosinusitis." Panelist. Northwest Academy of Otolaryngology Annual Winter Meeting. Whistler, BC.
- 2016 "Principles in Management of Sinonasal Neoplasms." Presented at the University of Washington Department of Otolaryngology morning conference. Seattle, WA.
- 2016 "Balloon Sinuplasty." Presented at the University of Washington Lesley Watson Resident Surgical Simulation Course. Seattle, WA.
- 2016 "Complications of Sinus Surgery." Presented at the University of Washington Lesley Watson Resident Surgical Simulation Course. Seattle, WA.
- 2016 "Sinusitis." Presented at the University of Washington Pacific Northwest CME webinar lecture series. <https://morningcme.com> Seattle, WA.
- 2016 "Sinusitis: Update and Review." Presented at the University of Washington East Side Specialty Center Primary Care Grand Rounds. Seattle, WA.
- 2016 "ENT Emergencies." Presented at the Washington Chapter of the American College of Emergency Physicians Annual Meeting. Seattle, WA April.
- 2015 "Frontal Sinusotomy." Presented at the University of Washington Endoscopic Skull Base Course for Residents. Seattle, WA Nov.
- 2015 "Endoscopic Management of Anterior Skull Base Neoplasms." Stanford University Department of Otolaryngology Grand Rounds. Mar.
- 2013 "Pediatric Nasal Mass." Invited lecturer at Michigan State University Pediatric Otolaryngology Symposium. Troy, MI. Nov.
- 2013 "Sinonasal Malignancy." Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Oct.
- 2012 "Cholesteatoma." Michigan State University Department of Otolaryngology Detroit Medical Center Grand Rounds. Sept.
- 2011 "Review of Pediatric Syndromes for the Otolaryngologist." Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Feb.
- 2011 "Epistaxis." Michigan State University Department of Internal Medicine, Detroit Medical Center Grand Rounds. Jan.
- 2009 "Surgical Management of Sinus Disease." Michigan State University Department of Otolaryngology, Detroit Medical Center Grand Rounds. Nov.

Poster Presentations:

- 2018 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.
- 2017 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.
- 2017 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
- 2016 Berens A, Miller C, Patel S, **Humphreys I**, Moe K. (2016, May). *Transorbital Management of Paranasal Sinus Mucoceles*. Poster presented at: American Rhinologic Society COSM Meeting; Chicago, IL.
- 2015 **Humphreys IM**, Noel J, Nayak JV, Hwang PHH. (2015, September). *Lymphoma associated sinonasal amyloidosis: A report of two cases*. Poster presented at: American Rhinologic Society Annual Meeting; Dallas, TX.

- 2014 **Humphreys IM**, Da Costa V, Haupt M. (2014, May). *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.
- 2005 **Humphreys IM**, Loganathan S, Srivastava, SK. (2005, April). *Capsaicin induces apoptosis in human pancreatic cancer cells by activating the mitochondrial death pathway*. Poster presented at: American Association of Cancer Research; Anaheim, CA.
- 2005 Loganathan, S., **Humphreys IM**, Srivastava, SK. (2005, April). *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.

Online Scholarly Publications:

- 2017 Current Evidence in Rhinosinusitis, ICAR Slide Series produced by the Education Committee of the American Rhinologic Society. Contributing Member. http://www.american-rhinologic.org/icar_slides
- 2015 "Total Ethmoidectomy." Performed, created, and edited a tutorial video published on the American Rhinologic Society surgical dissection videos website. <http://www.american-rhinologic.org/videos>
- 2015 "Endoscopic Nasopharyngectomy." Performed, created, and edited a tutorial video published on the American Rhinologic Society surgical dissection videos website. <http://www.american-rhinologic.org/videos>
- 2015 "Approach to the Clivus." Created and edited a tutorial video published on the American Rhinologic Society surgical dissection Videos website. <http://www.american-rhinologic.org/videos>

Honors/Scholarships/Awards:

- 2018 **Seattle Met** Top Doc
"Top Doc" in Otolaryngology – Head & Neck Surgery as voted by peers. Seattle Met magazine. Seattle, WA
- 2014 Ig NOBEL PRIZE IN MEDICINE
Awarded the Ig Nobel Prize in Medicine for the innovative and life saving use of salted pork in the treatment of life threatening epistaxis in a child.
- 2013 KARL STORZ RHINOFEST SCHOLARSHIP
Awarded full tuition scholarship to attend and participate in advanced endoscopic sinus and rhinoplasty dissection course at the University at Buffalo.
- 2012 AMERICAN ACADEMY OF OTOLARYNGOLOGY- HEAD AND NECK SURGERY HUMANITARIAN RESIDENT TRAVEL GRANT
Awarded 2012 Humanitarian resident travel grant for Otolaryngology mission project in Phnom Penh, Cambodia.
- 2012 AMERICAN OSTEOPATHIC COLLEGES OF OPHTHALMOLOGY AND OTOLARYNGOLOGY FOREIGN SCHOLARSHIP GRANT
Awarded 2012 Foreign scholarship grant for my humanitarian efforts abroad with service in Phnom Penh, Cambodia.
- 2009 SUMMA CUM LAUDE
- 2008 STUDENT DO OF THE YEAR AWARD
Awarded the prestigious honor as the student from all currently enrolled classes at LECOM whom best exemplifies and embodies the characteristics of stewardship, merit, commitment, and compassion. Was further chosen by LECOM faculty and students as their representative and nominee for the National Student DO of the Year Award.
- 2008 ACADEMIC EXCELLENCE SCHOLARSHIP
Recipient of a LECOM scholarship in acknowledgement of outstanding academic performance and ranking in the top 15% of the class during the 2007 – 2008 academic year.
- 2008 LECOM STUDENT GOVERNMENT ASSOCIATION SCHOLARSHIP

Awarded in recognition by peers of academic excellence, commitment to LECOM, leadership, character, and community service.

- 2007 ADVOCATES FOR THE PENNSYLVANIA OSTEOPATHIC MEDICAL ASSOCIATION
Nominated by LECOM, and recipient in recognition of academic achievement and leadership.
- 2007 UPS SCHOLARSHIP
Nominated and awarded by LECOM a scholarship in recognition of academic excellence and commitment to the Osteopathic profession.
- 2007 ORRIS C. HIRTZEL AND BEATRICE DEWEY HIRTZEL MERIT AWARD
Awarded in recognition as the "student with the highest academic standing" in the class of 2009. The merit award and scholarship is presented annually to the member of the second year class that ranks the highest academically in that given year.
- 2007 PENNSYLVANIA MEDICAL SOCIETY SCHOLARSHIP
Recipient of a scholarship in recognition of merit, leadership, community service, and financial need. Noted as the first Osteopathic student from LECOM to receive such an award from this Allopathic medical organization.
- 2007 ACADEMIC EXCELLENCE SCHOLARSHIP
Recipient of a LECOM scholarship in acknowledgement of outstanding academic performance and ranking in the top 15% of the class during the 2006 – 2007 academic year.
- 2007 ACADEMIC EXCELLENCE SCHOLARSHIP
Recipient of a LECOM scholarship in acknowledgement of outstanding academic performance and ranking in the top 15% of the class during the 2005 – 2006 academic year.
- 2007 MCGRAW-HILL MEDICAL PUBLISHING 2006 LANGE STUDENT AWARD
Received collection of medical texts in award of "Outstanding Achievement."

**Professional
Courses instructed:**

- 2017 LESLEY WATSON ANNUAL RESIDENT SINUS & SKULL BASE SURGERY SIMULATION COURSE
Course Director
University of Washington Department of Otolaryngology- Head & Neck Surgery, Seattle WA
- 2016 LESLEY WATSON ANNUAL RESIDENT SINUS & SKULL BASE SURGERY SIMULATION COURSE
Course Co-Director
University of Washington Department of Otolaryngology- Head & Neck Surgery, Seattle WA
- 2016 AMERICAN RHINOLOGIC SOCIETY'S 1st ANNUAL RESIDENT DISSECTION COURSE
Lab Instructor and lecturer
San Diego, CA
- 2016 VIRGINIA MASON ENDOSCOPIC SINONASAL & SKULL BASE ANATOMY AND SURGICAL TECHNIQUES COURSE
Lab Dissection Specialist
Virginia Mason, Seattle WA
- 2016 SEATTLE OTOLOGY AND ADVANCED RHINOLOGY COURSE
Faculty
Seattle Science Foundation, Seattle WA

**Professional
Courses attended:**

- 2015 AO PRINCIPLES OF OPERATIVE TREATMENT OF CRANIOMAXILLOFACIAL TRAUMA AND RECONSTRUCTION
AO North America, Portland OR
- 2015 SINUS MASTERS WEST
Medical Education Research Institute Nevada, Las Vegas NV

2014 WESTERN STATES RHINOLOGY COURSE
University of Colorado School of Medicine, Sonoma CA

2014 ADVANCED SINUS AND SKULL BASE COURSE FOR RHINOLOGY FELLOWS
Sponsored by the American Rhinologic Society at Karl Storz Corporation, Los Angeles CA

2014 OSLER OTOLARYNGOLOGY BOARD REVIEW COURSE
Osler Institute, Chicago IL

2013 RHINOFEST- ADVANCED INTERNATIONAL RHINOLOGIC DISSECTION COURSE IN ENDOSCOPIC SINUS SURGERY AND RHINOPLASTY
University at Buffalo, Buffalo NY

2013 STATISTICS 1- PROBABILITY AND STUDY DESIGN
The Institute for Statistics Education

2013 WAYNE STATE UNIVERSITY SYMPOSIUM ON MAXILLOFACIAL TRAUMA & PLATING COURSE
Oakwood Medical Center, Dearborn MI

2012 UNIVERSITY OF MICHIGAN ENDOSCOPIC SINUS AND SKULL BASE DISSECTION COURSE
University of Michigan, Ann Arbor MI

2012 ENDOSCOPIC SINONASAL & SKULL BASE ANATOMY AND SURGICAL TECHNIQUES COURSE
Virginia Mason Medical Center, Seattle WA

2012 WAYNE STATE UNIVERSITY MINIMALLY INVASIVE FACIAL REJUVINATION COURSE
Oakwood Medical Center, Dearborn MI

2011 UNIVERSITY OF MICHIGAN SIMPLIFIED APPROACH TO HEAD & NECK RADIOLOGY COURSE
University of Michigan, Dearborn MI

2011 MICHIGAN STATE UNIVERSITY SINUS SURGERY, FACIAL TRAUMA, AND PLATING COURSE
University of Michigan, Ann Arbor MI

2011 MICHIGAN EAR INSTITUTE TEMPORAL BONE DISSECTION COURSE
Michigan Ear Institute, Farmington Hills MI

2011 LASER SURGERY, VOICE CARE AND LARYNGEAL FRAMEWORK SURGERY COURSE
University of Pittsburgh, Pittsburgh PA

2011 CO2 LASER SAFETY TRAINING
Omni-guide Corporation at Detroit Medical Center, Detroit MI

2010 WAYNE STATE UNIVERSITY ADVANCED TECHNIQUES IN OTOLARYNGOLOGY- HEAD & NECK SURGERY
Oakwood Medical Center, Dearborn MI

2010 UNIVERSITY OF MICHIGAN SIMPLIFIED APPROACH TO HEAD & NECK RADIOLOGY COURSE
University of Michigan, Dearborn MI

2010 OTOLARYNGOLOGY- HEAD & NECK SURGERY BASIC SCIENCE COURSE
University of Iowa, Iowa City IA

2009 WAYNE STATE UNIVERSITY EMERGENCIES IN OTOLARYNGOLOGY COURSE
Oakwood Medical Center, Dearborn MI

**Professional
Affiliations:**

2017 - Present NORTH AMERICAN SKULL BASE SOCIETY

2015 - Present NORTHWEST ACADEMY OF OTOLARYNGOLOGY

2011 - Present AMERICAN RHINOLOGIC SOCIETY

2009 - Present AMERICAN ACADEMY OF OTOLARYNGOLOGY- HEAD & NECK SURGERY
AMERICAN OSTEOPATHIC COLLEGE OF OTOLARYNGOLOGY- HEAD & NECK SURGERY

2005 - Present AMERICAN OSTEOPATHIC ASSOCIATION

CME Conferences

Attended:

7/12 - 7/14/18	7 th ANNUAL SUMMER SINUS SYMPOSIUM OF THE AMERICAN RHINOLOGIC SOCIETY, SEATTLE WA
5/3 - 5/5/18	AMERICAN OSTEOPATHIC COLLEGE OF OTOLARYNGOLOGY 102 ND ANNUAL CLINICAL ASSEMBLY, BONITA SPRINGS, FL
2/15 - 2/18/18	NORTH AMERICAN SKULL BASE SOCIETY ANNUAL MEETING, SAN DIEGO CA
1/27/18	NORTHWEST ACADEMY OF OTOLARYNOGLOGY WINTER MEETING, SEATTLE WA
9/8 - 9/9/17	AMERICAN RHINOLOGIC SOCIETY ANNUAL MEETING, CHICAGO IL
5/10 - 5/13/17	AMERICAN OSTEOPATHIC COLLEGE OF OTOLARYNGOLOGY 101 ST ANNUAL CLINICAL ASSEMBLY, LAS VEGAS NV
4/27 - 4/28/17	AMERICAN RHINOLOGIC SOCIETY SPRING MEETING, COSM, SAN DIEGO CA
1/13 - 1/15/17	NORTHWEST ACADEMY OF OTOLARYNGOLOGY WINTER MEETING
9/16 - 9/17/16	AMERICAN RHINOLOGIC SOCIETY ANNUAL MEETING, SAN DIEGO CA
5/9 - 5/12/16	AMERICAN OSTEOPATHIC COLLEGE OF OTOLARYNGOLOGY 100 TH ANNUAL CLINICAL ASSEMBLY, SCOTTSDALE AZ
9/25 - 9/26/15	AMERICAN RHINOLOGIC SOCIETY ANNUAL MEETING, DALLAS TX
7/1 - 7/5/13	AMERICAN RHINOLOGIC SOCIETY SUMMER SINUS SYMPOSIUM, CHICAGO IL
4/12 - 4/13/13	AMERICAN RHINOLOGIC SOCIETY SPRING MEETING, COSM, ORLANDO FL