

WALEED M. ABUZEID, MD, FARS

EDUCATION:

8/1999 – 7/2005 University College London
University of London, United Kingdom
(**BSc** with 1st class Honors, Physiology; **MBBS** Bachelor of Medicine, Bachelor of Surgery with Distinction in Clinical Practice)

POSTGRADUATE TRAINING:

8/2005 – 7/2006 House Officer, General Surgery/Orthopedic Surgery/General Medicine
University College London teaching hospitals
London, United Kingdom

8/2006 – 6/2008 Post-doctoral Research Fellow
Department of Otorhinolaryngology: Head and Neck Surgery
University of Pennsylvania
Philadelphia, Pennsylvania

6/2008 – 6/2013 Residency in Otolaryngology: Head and Neck Surgery
Department of Otolaryngology: Head and Neck Surgery
University of Michigan
Ann Arbor, Michigan

7/2013 – 6/2014 Clinical Instructor/Fellow in Advanced Rhinology and Skull Base Surgery
Department of Otolaryngology: Head and Neck Surgery
Stanford University
Palo Alto, California
Mentor: Peter H. Hwang, MD

PROFESSIONAL EMPLOYMENT AND HOSPITAL APPOINTMENTS

5/2020 – current Associate Professor
Division of Rhinology and Endoscopic Skull Base Surgery
Director of Rhinology Research
Director of Diversity, Equity, and Inclusion
Co-Director of Rhinology and Endoscopic Skull Base Surgery Fellowship
Department of Otolaryngology: Head and Neck Surgery
University of Washington, Seattle, WA

- Expanded clinical footprint by developing a specialist rhinology clinic in the metro area east of Seattle.
- Enhanced the UW Skull Base Center, regularly working with renowned neurosurgeons to treat a wide range of pathologies ranging from benign pituitary tumors to extensive sinonasal malignancy.
- Developed and gained expertise in novel endoscopic surgical approaches to access the skull base beyond the traditional endonasal approach including our newly described endoscopic paramaxillary approach to the middle cranial fossa and transorbital neuroendoscopic surgery (TONES).
- Helped build an NIH-funded study (\$485,000) evaluating the nasal immune response to SARS-CoV-2 infection, which will contribute to future vaccine development. Led a team developing a rabbit model of chronic sinusitis to evaluate microbe evolution in the sinuses and to test novel therapeutics, resulting in a \$150,000 Cystic Fibrosis Foundation Research Development Grant.

- Collaborated with a team of surgeons and engineers to develop new software and hardware-based technology focused on enhancing safety and efficiency of surgery, including improving target visualization through multi-portal simultaneous endoscopy, machine learning algorithms that automate surgical video editing, and improving surgical completeness by harnessing instrument tracking data from navigation systems to delete anatomy from CT scans in real-time during surgery.
- Drove culture change as a leader in diversity, equity, and inclusion (DEI) within our department and the wider health system, implementing programs that have driven departmental culture change, enhancing the pipeline for under-represented applicants applying for residency, and developing rigor in data collection to facilitate research in DEI.

10/2014 – 4/2020 Assistant Professor
 Director, Division of Rhinology and Skull Base Surgery
 Department of Otorhinolaryngology: Head and Neck Surgery and Neurological Surgery
 Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY

- Built a Division of Rhinology and Skull Base Surgery consisting of surgeons, physician assistants and a rhinology-focused operating room team, increasing patient volume and downstream revenue.
- Alongside a fellowship-trained neurosurgeon, built a Skull Base Program from the ground up to optimize multi-disciplinary care for patients with skull base tumors. This team grew to perform over 100 pituitary cases per year, in addition to tackling benign and malignant disease of the anterior skull base.
- Established the Montefiore Comprehensive Allergy and Sinus Clinic focused on patients with severe forms of sinusitis including aspirin-exacerbated respiratory disease, providing a “one-stop shop” for comprehensive evaluation by both an allergist and a rhinologist in a unified clinic setting, as well as feeding a productive collaborative research program.
- Led a research team developing nanoparticle therapeutics directed at eradicating antibiotic-resistant bacteria in the sinuses. This technology delivers nitric oxide, a potent antimicrobial, using a proprietary, patented nanoparticle. Led to collaborative work with a startup commercializing the technology, multiple publications, and national presentations – including a 1st place award in 2018 – and an American Rhinologic Society New Investigator Grant.

BOARD CERTIFICATION

2014 Diplomate, American Board of Otolaryngology

LICENSURE

2012 – present California Medical License
 2014 – 2020 New York Medical License
 2020 – present Washington Medical License

PROFESSIONAL SOCIETY MEMBERSHIP

2008 – present American Academy of Otolaryngology: Head and Neck Surgery
 2013 – present American Rhinologic Society
 2014 – present North American Skull Base Society
 2016 – present Society of University Otolaryngologists

AWARDS AND HONORS

2000 University College London Medical School, London, UK

- 2001 Drummond Prize for Biochemistry
University College London Medical School, London, UK
Meyerstein Scholarship (for top rank in medical school class)
Paraskevaides Foundation Prize in Mechanisms of Drug Action
Drummond Prize in Functional and Chemical Changes in Disease
Prankerd Jones Prize for Final Preclinical Project
- 2001 Royal College of Physicians, London, UK
Wolfson Scholarship (awarded annually to 5 medical students nationally deemed to have a promising future as physician-scientists)
- 2002 University College London, London, UK
Leonard Bayliss Memorial Prize (First in class for BSc Physiology)
- 2003 University College London Medical School, London, UK
Certificate of Merit for Overall Performance in Year 3 of medical school
- 2005 University College London Medical School, London, UK
Certificate of Merit in Final MBBS Examination
- 2010 University of Michigan, Ann Arbor, Michigan
Department of Otolaryngology Merle Lawrence Research Award
- 2013 University of Michigan, Ann Arbor, Michigan
Department of Otolaryngology Rontal Family Resident Education Award
- 2013 North American Skull Base Society 23rd Annual Meeting, Miami, Florida
1st Place, Basic Science Research
- 2018 New York Times, Super Doctors – Rising Stars
- 2018 American Rhinologic Society at Combined Otolaryngology Spring Meeting, National Harbor, Maryland
1st Place, Basic Science Research
- 2019 Rhinoworld (Combined International Rhinologic Meeting), Chicago, Illinois
Top 10 Abstract
- 2019 New York Times, Super Doctors – Rising Stars

OTHER PROFESSIONAL ACTIVITIES

National Committees

- 2017 – present Member, Research and Grants Committee, American Rhinologic Society
- 2018 – 2022 Member, Program Committee, American Rhinologic Society at the Combined Otolaryngology Spring Meeting
Member, Program Committee, American Rhinologic Society at the American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting
- 2022 – present Member, American Board of Otolaryngology Task Force on New Materials
Member, AAO-HNS Medical Devices and Drugs Committee
Member, AAO-HNS Medical Informatics Committee

Study Sections

2011 – present Member, American Academy of Otolaryngology: Head and Neck Surgery Centralized Otolaryngology Research Efforts (CORE) Study Section

Editorial Board

2015 – present World Journal of Otorhinolaryngology: Head and Neck Surgery

Ad Hoc Journal Reviewer

2014 – present Laryngoscope
International Forum of Allergy and Rhinology (IFAR)

2017 – present Otolaryngology: Head and Neck Surgery
American Journal of Rhinology and Otology
Annals of Otology, Rhinology & Laryngology

Institutional Committees

2015 – 2020 Resident Research Committee
Academic Steering Committee
Department of Otorhinolaryngology: Head and Neck Surgery, Montefiore Medical Center

2020 – present Diversity Committee (Chair)
Residency Program Evaluation Committee (Member)
Department of Otolaryngology: Head and Neck Surgery
University of Washington

Industry Consulting and Advisory Roles

2014 – 2015 Preclinical and Clinical Validation of Acclarent Relieva Circa™ device
2018 – 2020 Consultant, Intersect ENT
2018 – present Consultant, Medtronic plc
2022 – present Consultant, Acclarent

RESEARCH SUPPORT

Active

12/1/20 – 11/30/24 Cystic Fibrosis Research Development Program
Cystic Fibrosis Foundation
Disruption of Pseudomonas aeruginosa biofilms in a rabbit sinusitis model using a nitric oxide-releasing nanoparticle
The goals of this project are to use a rabbit model of sinusitis to 1) Identify genes and functions that mediate the fitness of *P. aeruginosa* growth and propagation in the sinus environment, and 2) To evaluate novel non-antibiotic therapeutics such as nitric oxide-releasing nanoparticles in the eradication of infection.
Funding Amount: \$150,000
Role: Principal Investigator

7/1/21 – 6/30/25 R21 National Institute of Allergy and Infectious Disease
National Institutes of Health
Covid-19 SARS-CoV-2-specific T cells in the infected nasal epithelium
The goals of this project are to model novel interactions between T cells and SARS-CoV-2 in the human upper respiratory tract, and to investigate the role of T cells in limiting viral replication and inducing host immunity.
Funding Amount: \$485,000
Role: Co-Investigator

Completed

7/2011 – 6/2012 Specialized Program of Research Excellence (SPORE) Seed Grant
National Institutes of Health (NIH)
STAT3 inhibition as a monotherapy and chemosensitizing agent in the treatment of head and neck cancer: efficacy and mechanisms of action
Role: Co-investigator (PI: Carey)

7/2011 – 6/2013 Pilot Research Grant
American Head and Neck Society (AHNS)
STAT3 inhibition for the treatment of head and neck cancer
Funding amount: \$10,000
Role: Principal Investigator

7/1/19 – 6/30/21 New Investigator Award
American Rhinologic Society
Nitric oxide releasing nanoparticles for the treatment of chronic rhinosinusitis
Funding Amount: \$25,000
Role: Principal Investigator

INVITED PRESENTATIONS

Scientific Podium Presentations and Panels

6/2007 Pennsylvania Academy of Otolaryngology: Head & Neck Surgery, Philadelphia
Abuzeid WM, Ruckenstein MJ. “Spirochetes in otology: are we testing for the right pathogens?”

9/2007 American Academy of Otolaryngology: Head & Neck Surgery Annual Meeting, Washington D.C.
Araki K, **Abuzeid WM**, Khan K, Wang J, O’Malley, Jr. BW. “Cisplatin Chemosensitization for Head and Neck Cancer.”
Abuzeid WM, Ruckenstein MJ. “Spirochetes in otology: testing for the right pathogens.”

- 7/2008 American Head & Neck Society 7th International Conference on Head and Neck Cancer, San Francisco
Abuzeid WM, Khan K, Paulson DP, Jiang X, Araki K, Jungreis DB, Zhang J, Lapidus RG, O'Malley, Jr. BW, Li D. "Dual disruption therapy for head and neck cancer: targeting DNA repair pathways to induce cancer cell death."
- 4/2010 American Head and Neck Society Spring Meeting, Las Vegas
Abuzeid WM, Davis S, Tang A, Saunders L, Brenner JC, Lin J, Fuchs JR, Bradford CR, Prince MEP, Carey TE. "Sensitization of head and neck cancer to cisplatin through STAT3 inhibition."
- 5/2010 American Neurotology Society Spring Meeting, Las Vegas
Lorenz MB, **Abuzeid WM**, Zwolan TA, El-Kashlan HK. "Sudden and Rapidly Progressive Hearing Loss in Bariatric Surgery Patients."
- 9/2011 American Academy of Facial Plastic and Reconstructive Surgery, San Francisco
Abuzeid WM, Griffin G, Kim JC. "The effects of radiation on functional outcomes of temporalis tendon transfer."
- 2/2012 North American Skull Base Society 22nd Annual Meeting, Las Vegas
Abuzeid WM, Sullivan SE, Marentette LJ, McKean EL. "Skull base chordoma: results and outcomes of minimally invasive approaches in a single institution."
- 2/2013 North American Skull Base Society 23rd Annual Meeting, Miami
Wang AC, **Abuzeid WM**, Hervey-Jumper SL, Altshuler DM, Owen JH, Carey TE, Prince ME, McKean EL, Sullivan SE. "FLLL32 STAT3 inhibition is effective against chordoma in vitro."
- 5/2015 Annual National Rhinology Meeting and the 7th Symposium on Infection and Allergy of the Nose, Chinese Medical Association, Tianjin, China
Invited Guest Lecturer: "Novel Therapies for Chronic Rhinosinusitis: the State-of-the-Art"
- 9/2015 American Rhinologic Society Annual Meeting at the American Academy of Otolaryngology: Head and Neck Surgery, Dallas
Moderator: "Topical therapies for rhinosinusitis"
- 11/2015 Weill Cornell Medicine Department of Otolaryngology Grand Rounds, New York
Invited Guest Lecturer and Panelist: "Balloon Sinuplasty: Evidence, Indications, and Controversy"
- 11/2016 ENT and Allergy Associates Grand Rounds, New York
Invited Guest Lecturer: "Aspirin-exacerbated respiratory disease: diagnosis and management"
- 9/2017 American Rhinologic Society Annual Meeting at the American Academy of Otolaryngology: Head and Neck Surgery, Chicago
Fang CH, Fastenberg JH, Fried MP, Akbar NA, **Abuzeid WM**. "Antibiotic use in functional endoscopic sinus surgery: a survey of the American Rhinologic Society"
- 10/2017 Rutgers New Jersey Medical School Department of Otolaryngology Grand Rounds, Newark
Invited Guest Lecturer: "State-of-the-Art Therapeutics for Chronic Rhinosinusitis"

- 3/2018 American Academy of Allergy, Asthma, and Immunology/World Allergy Organization Joint Congress, Orlando
Jerschow E, Edin M, Han W, Lih FB, Gruzdev A, Bradbury JA, **Abuzeid W**, Akbar N, Pelletier T, Keskin T, Spivack S, Schuster V, Rosenstreich D, Zeldin D. “Differential response to aspirin-lysine of 15-hydroxyeicosatetraenoic acid in nasal polyp supernatants from aspirin-exacerbated respiratory disease patients”
- 4/2018 American Rhinologic Society at the Combined Otolaryngology Spring Meetings, National Harbor
Abuzeid WM, Girish VM, Fastenberg JH, Draganski AR, Lee AY, Nosanchuk JD, Friedman JM. “Nitric oxide-releasing microparticles as a potent antimicrobial therapeutic against chronic rhinosinusitis bacterial isolates” (**1st Place, Basic Science Research**)
- 7/2018 American Rhinologic Society Summer Sinus Symposium, Seattle
Panelist: “Management of CSF Rhinorrhea”
- 10/2018 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Atlanta
Panelist: “Localized Drug Delivery Sinus Implants”
- 5/2018 New Jersey Academy of Otolaryngology Annual Clinical Symposium, Newark
Invited Guest Lecturer: “State-of-the-Art Therapeutics for Chronic Rhinosinusitis”
- 12/2018 Hofstra/Northwell School of Medicine Department of Otolaryngology Grand Rounds, New York
Invited Guest Lecturer: “Advances in the Management of Chronic Rhinosinusitis”
- 6/2019 RhinoWorld (Combined International Rhinologic Meeting), Chicago
Yang C, Mavelli GV, Nacharaju P, Nosanchuk JD, Friedman JM, **Abuzeid WM**. “Novel nitric oxide generating platform using manuka honey as an anti-biofilm strategy in rhinosinusitis”
Shah SJ, Hawn VS, Fang CH, Akbar NA, **Abuzeid WM**. “Postoperative infection rate and associated factors following endoscopic sinus surgery”
Fang CH, Hawn VS, Agarwal V, Moskowitz HS, Kshetry VR, McKean E, Bellile E, Akbar NA, **Abuzeid WM**. “Antibiotic prophylaxis in anterior skull base surgery: a survey of the North American Skull Base Society”
Shah SJ, Ponduri A, Pelletier T, Gibber M, Fried MP, Keskin T, Roizen GG, Rosenstreich D, Ferastraoaru D, Akbar NA, Jerschow E, **Abuzeid WM**. “Endoscopic sinus surgery improves aspirin treatment response in AERD patients”
Panelist: “Congenital Encephaloceles, Gliomas, and CSF Leaks: Panel and Case Discussion with Literature Update”
Panelist: “Can I do this sinus surgery in the office?”
- 10/2019 University of Washington Department of Otolaryngology Grand Rounds, Seattle
Invited Guest Lecturer: “Management Challenges in Chronic Rhinosinusitis: Today’s Treatments, Tomorrow’s Possibilities”
- 2/2020 North American Skull Base Society Annual Meeting, San Antonio
Panelist: “Expert Debate: Medical Advances in the Role of Genomics, Molecular Biology and Targeted Therapy for Skull Base Tumors”
- 9/2020 American Rhinologic Society Annual Meeting (Virtual)
Panelist: “Utility of Pedicled Flap: Nose to Skull Base”
- 11/2020 University of Washington Department of Allergy and Infectious Diseases Grand Rounds, Seattle

Invited Guest Lecturer: “Aspirin-exacerbated Respiratory Disease: An ENT Perspective”

- 2/2021 North American Skull Base Society Annual Meeting (Virtual)
Konuthula N, Bly RA, **Abuzeid WM**, Humphreys IH, Masco VV, Moe KS. “Multiportal retrograde endoscopy to enhance surgical target visualization: a pilot study.”
- 4/2021 American Rhinologic Society at the Combined Otolaryngology Spring Meeting (Virtual)
Moderator: “Rhinology Education and Skull Base Updates”
- 10/2021 American Rhinologic Society, Los Angeles
Moderator: “Rhinology Outcomes”
- 2/2022 North American Skull Base Society Annual Meeting, Phoenix
Reeve NH, **Abuzeid WM**, Jafari A, Humphreys IH, Moe KS. “Endoscopic paramaxillary approach to skull base lesions of the middle cranial fossa”
- 4/2022 American Rhinologic Society at Combined Otolaryngology Spring Meeting, Dallas
Li KL, Cleare LG, Akbar NA, Friedman JM, Draganski A, Nosanchuk JD, **Abuzeid WM**. “Nitric oxide generating microparticles: an in vitro evaluation of anti-biofilm efficacy and sinonasal epithelial cell toxicity”
- 9/2022 American Rhinologic Society Annual Meeting, Philadelphia
Reeve N, de Lima Xavier L, Cvancara D, Marshall T, **Abuzeid WM**, Humphreys IH, Lehmann A, Jafari A. “Assessment of CSF biomarkers for cognitive impairment in patients with sinonasal inflammation.”
Moderator: “Top Rated Abstracts - Clinical Rhinology”
- 9/2022 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Philadelphia
Cvancara D, Baertsch H, Marshall T, **Abuzeid WM**, Bhatt N, Jafari A. “Incidence and factors associated with Paxlovid-related dysgeusia: a pharmacovigilance study.”
- 5/2023 American Rhinologic Society at the Combined Otolaryngology Spring Meeting, Boston
Cvancara DJ, Lehmann AE, Ehde DM, Gentile N, Geyer R, Yan CH, Kao T, Humphreys IM, **Abuzeid WM**, Friedly JL, Jafari A. “Persistent chemosensory loss is associated with worse cognitive performance in post-acute COVID-19 patients.”
- 9/2023 American Rhinologic Society Annual Meeting, Nashville
Cvancara DJ, Wood HA, Lehman AER, **Abuzeid WM**, Humphreys IM, Kojima Y, Jafari A. “Cognition and saccadic eye movement performance are impaired in chronic rhinosinusitis.”
Cvancara DJ, Sharma A, Sharma D, Humphreys I, Jafari A, **Abuzeid WM**. “Sleep dysfunction is greater in aspirin-exacerbated respiratory disease than in other forms of chronic rhinosinusitis.”

Instruction Courses

- 9/2016 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, San Diego
Panelist: “Balloon sinuplasty: indications, techniques, and evidence”
- 9/2017 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Chicago
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”

- 10/2018 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Atlanta
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”
- 9/2019 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, New Orleans
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”
- 2/2020 Vanderbilt Otolaryngology Symposium, Vail, Colorado
Moderator: “Challenging Chronic Rhinosinusitis Cases: What Would You Do?”
- 9/2020 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting (Virtual)
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”
- 10/2021 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Los Angeles
Moderator: “Aspirin Exacerbated Respiratory Disease: State-of-the-Art Multidisciplinary Management”
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”
- 9/2022 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Philadelphia
Moderator: “Aspirin Exacerbated Respiratory Disease: State-of-the-Art Multidisciplinary Management”
Moderator: “Balloon sinus dilation: indications, techniques, and evidence”
- 9/2023 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Nashville
Moderator: “Aspirin Exacerbated Respiratory Disease: State-of-the-Art Multidisciplinary Management”

Dissection Courses

- 2/2016 **Invited Faculty:** Practical Frontal Sinus Surgery, University of South Florida
- 4/2016 **Course Co-Director:** 2016 New York Advanced Rhinology and Sinus Surgery Course
- 5/2016 **Invited Faculty:** University of Connecticut/Yale University Resident Sinus Dissection Course
- 6/2016 **Invited Faculty:** Third Annual New York Metropolitan Endoscopic Sinonasal and Skull Base Anatomy Course
- 6/2017 **Course Co-Director:** Fourth Annual New York Metropolitan Endoscopic Sinonasal and Skull Base Anatomy Course
- 5/2018 **Course Co-Director:** 2018 New York Advanced Rhinology and Sinus Surgery Course
- 6/2018 **Invited Faculty:** Columbia University Endoscopic Ear, Eustachian Tube, and Sinus Surgery Course
Invited Faculty: Fifth Annual New York Metropolitan Endoscopic Sinonasal and Skull Base Anatomy Course
- 5/2019 **Invited Faculty:** 2nd Annual Columbia University Endoscopic Ear, Eustachian Tube, and Sinus Surgery Course
- 6/2019 **Invited Faculty:** Sixth Annual New York Metropolitan Endoscopic Sinonasal and Skull Base Anatomy Course
- 8/2019 **Invited Faculty:** Albert Einstein College of Medicine Skull Base Surgery Course
- 11/2019 **Invited Faculty:** University of Washington Lesley Watson Resident Sinus Surgery Course
- 11/2020 **Course Co-Director:** University of Washington Lesley Watson Resident Sinus Surgery Course
- 11/2021 **Invited Faculty:** Seattle Otology and Rhinology Course
Course Co-Director: University of Washington Lesley Watson Resident Sinus Surgery Course

BIBLIOGRAPHY

A. Peer-Reviewed Publications

1. **Abuzeid AM**, Hawe E, Humphries SE, Talmud PJ. Association between the Ala379Val variant of the lipoprotein associated phospholipase A2 and risk of myocardial infarction in the north and south of Europe. *Atherosclerosis* 2003 Jun; 168(2):283-288
2. **Abuzeid AM**, Banerjea A, Timmis B, Hashemi M. Gastric slippage as an emergency: diagnosis and management. *Obesity Surgery* 2007 Apr; 17(4): 559-561
3. **Abuzeid WM**, Ruckenstein MJ. Spirochetes in otology: are we testing for the right pathogens? *Otolaryngology Head & Neck Surgery*. 2008 Jan; 138(1): 107-9
4. Li D, Guang W, **Abuzeid WM**, Roy S, Gao GP, Sauk JJ, O'Malley, Jr. BW. A novel adenoviral gene delivery system targeted against the Hsp47 cell surface biomarker for human head and neck cancer. *Laryngoscope* 2008 Apr; 118(4): 650-8
5. Paulson D, **Abuzeid WM**, Jiang H, Oe T, O'Malley Jr BW, Li D. A Novel Controlled Local Drug Delivery System for Inner Ear Disease. *Laryngoscope* 2008 Apr; 118(4): 706-11
6. Chew HH, **Abuzeid A**, Singh D, Tai CC. Surgical wound mucormycosis necessitating hand amputation: a case report. *Journal of Orthopedic Surgery (Hong Kong)* 2008 Aug; 16(2): 267-9
7. **Abuzeid WM**, Jiang X, Shi G, Wang H, Paulson DP, Araki K, Jungreis D, Carney J, O'Malley BW Jr, Li D. Molecular disruption of Rad50 sensitizes human tumor cells to cisplatin-based chemotherapy. *Journal of Clinical Investigation* 2009 Jul; 119(7): 1974-85
8. Guss J, **Abuzeid WM**, Doghramji L, Edelstein PH, Chiu AG. Fluoroquinolone-resistant *Pseudomonas aeruginosa* in chronic rhinosinusitis. *ORL Journal* 2009; 71(5): 263-7
9. Araki K, Yamashita T, Reddy N, Wang H, **Abuzeid WM**, Khan K, O'Malley BW Jr, Li D. Molecular disruption of NBS1 with targeted gene delivery enhances chemosensitization in head and neck cancer. *British Journal of Cancer* 2010 Dec; 103(12): 1822-30
10. **Abuzeid WM**, Davis S, Tang AL, Saunders L, Brenner JC, Lin J, Fuchs JR, Light E, Bradford CR, Prince ME, Carey TE. Sensitization of head and neck cancer to cisplatin through the use of a novel curcumin analog. *Archives of Otolaryngology Head and Neck Surgery* 2011 May; 137(5): 499-507
11. **Abuzeid WM**, Akbar NA, Zacharek MA. Vitamin D and chronic rhinitis. *Current Opinion in Allergy and Clinical Immunology* 2012 Feb; 12(1): 13-7
12. **Abuzeid WM**, Brandt MG, Moyer JS, Baker SR. Methicillin-resistant *Staphylococcus aureus*-associated infections following septorhinoplasty. *Facial Plastic Surgery* 2012 Jun; 28(3): 354-7
13. Griffin GR, **Abuzeid W**, Vainshtein J, Kim JC. Outcomes following temporalis tendon transfer in irradiated patients. *Archives of Facial Plastic Surgery* 2012 Nov; 14(6): 395-402
14. **Abuzeid WM**, Akbar NA, Zacharek MA. The surgical handoff: implications and future directions for otolaryngology. *Ear Nose Throat J* 2012 Nov; 91(11): 460-4
15. **Abuzeid WM**, Bradford CR, Divi V. Transoral robotic biopsy of the tongue base: a novel paradigm in the evaluation of unknown primary tumors of the head and neck. *Head & Neck* 2013 Apr; 35(4): E126-30
16. Santa Maria PL, **Abuzeid WM**, Nayak JV, Chang SD, Blevins NH. A case of stereotactic radiation in skull base solitary fibrous tumor: more harm than good? *Journal of Neurological Surgery Reports* 2014 Dec; 75(2): e214-16
17. Lajud SA, Nagda DA, Yamashita T, Zheng J, Tanaka N, **Abuzeid WM**, Civantos A, Bezpalko O, O'Malley BW Jr, Li D. Dual disruption of DNA repair and telomere maintenance for the treatment of head and neck cancer. *Clinical Cancer Research* 2014 Dec; 20(24): 6465-78
18. Hsueh WD, Hwang PH, **Abuzeid WM**. Perioperative management of antithrombotic therapy in common otolaryngologic surgical procedures: state-of-the-art review. *Otolaryngology Head and Neck Surgery* 2015 Oct; 153(4): 493-503

19. Fastenberg JH, Hsueh WD, Mustafa A, Akbar NA, **Abuzeid WM**. Biofilms in chronic rhinosinusitis: pathophysiology and therapeutic strategies. *World Journal of Otorhinolaryngology: Head and Neck Surgery* 2016 May 5; 2(4): 219-229
20. **Abuzeid WM**, Mace JC, Costa ML, Rudmik L, Soler ZM, Smith TL, Hwang PH. Outcomes of chronic frontal sinusitis treated with ethmoidectomy: a prospective study. *International Forum of Allergy and Rhinology* 2016 Jun; 6(6): 597-604
21. Wang AC, Owen JH, **Abuzeid WM**, Hervey-Jumper SL, He X, Gurrea M, Lin M, Altshuler DB, Keep RF, Prince ME, Carey TE, Fan X, McKean EL, Sullivan SE. STAT3 inhibition as a therapeutic strategy for chordoma. *Journal of Neurological Surgery Part B: Skull Base Neurosurgery* 2016 Dec; 77(6): 510-520
22. Owen JH, Komarck CM, Wang AC, **Abuzeid WM**, Keep RF, McKean EL, Sullivan SE, Fan X, Prince ME. UM-Chor1: establishment and characterization of the first validated clival chordoma cell line. *Journal of Neurosurgery* 2017; Apr 21: 1-9
23. Velasquez N, Thamboo N, **Abuzeid WM**, Nayak JV. Safe treatment of ethmoid sinusitis utilizing minimally invasive ethmoid punch sinusotomy (EPS) in chronic rhinosinusitis without polyposis (CRSsNP) patients. *Laryngoscope* 2017 June; 127(6): 1268-1275
24. Jerschow E, Edin ML, Pelletier T, **Abuzeid WM**, Akbar NA, Gibber M, Fried M, Lih FB, Gruzdev A, Bradbury JA, Han W, Hudes G, Keskin T, Schuster VL, Spivack S, Zeldin DC, Rosenstreich D. Plasma 15-Hydroxyeicosatetraenoic Acid predicts treatment outcomes in aspirin-exacerbated respiratory disease. *Journal of Allergy and Clinical Immunology: In Practice* 2017 Jul-Aug; 5(4): 998-1007
25. **Abuzeid WM**, Peterson AZ, Rathor A, Xu JC, Velasquez N, Rahan AR, Thamboo A, Nayak JV. Enhanced irrigant delivery to the ethmoid sinuses following ethmoid punch sinusotomy (EPS). *Annals of Otolaryngology, Rhinology, and Laryngology* 2017 Dec; 126(12): 804-812
26. Fang CH, Vakil M, Fastenberg JH, Jerschow E, Fried MP, Akbar NA, **Abuzeid WM**. Antibiotic use in endoscopic sinus surgery: a survey of the American Rhinologic Society. *International Forum of Allergy and Rhinology*. 2018 Apr; 8(4): 522-529
27. **Abuzeid WM**, Vakil M, Lin J, Akbar NA, Fried MP, Fang CH. Endoscopic modified Lothrop procedure after failure of primary endoscopic sinus surgery: a meta-analysis. *International Forum of Allergy and Rhinology* 2018 May; 8(5): 605-613
28. **Abuzeid WM**, Song C, Fastenberg JH, Fang CH, Ayoub N, Jerschow E, Mohabir PK, Hwang PH. Correlations between cystic fibrosis genotype and sinus disease severity in chronic rhinosinusitis. *Laryngoscope* 2018 Aug; 128(8): 1752-1758
29. Fastenberg JH, Fang CH, Akbar NA, **Abuzeid WM**, Moskowitz HS. Novel use of video glasses during binocular microscopy in the otolaryngology clinic. *American Journal of Otolaryngology*. 2018 Sep-Oct; 39(5): 527-530
30. **Abuzeid WM**, Girish VM, Fastenberg JH, Draganski AR, Lee AY, Nosanchuk JD, Friedman JM. Nitric oxide-releasing microparticles as a potent antimicrobial therapeutic against chronic rhinosinusitis bacterial isolates. *International Forum of Allergy and Rhinology*. 2018 Oct; 8(10): 1190-1198
31. Li KL, Lee AY, **Abuzeid WM**. Aspirin exacerbated respiratory disease: epidemiology, pathophysiology, and management. *Medical Sciences (Basel)*. 2019 Mar 17; 7(3): pii: E45
32. Jerschow E, Edin ML, Chi Y, Hurst B, **Abuzeid WM**, Akbar NA, Gibber M, Fried MP, Han W, Pelletier T, Ren Z, Keskin T, Gottlieb GR, Lih FB, Gruzdev A, Bradbury JA, Schuster V, Spivack S, Rosenstreich D, Zeldin DC. Sinus surgery is associated with a decrease in aspirin-induced reaction severity in patients with aspirin exacerbated respiratory disease. *Journal of Allergy and Clinical Immunology: In Practice*. 2019 May – June; 7(5): 1580-1588
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58. Fischer JL, Tolisano AM, Navarro AI, Trinh L, **Abuzeid WM**, Humphreys IM, Akbar NA, Shah S, Schneider JS, Riley CA, McCoul ED. Are you congested? A comparison of definitions between otolaryngologists and their patients. *International Forum of Allergy and Rhinology* 2023 Jul (online ahead of print)
59. Cvancara DJ, Baertsch HC, Lehmann AE, Humphreys IM, Farrell NF, Marshall TB, Bhatt NK, **Abuzeid WM**, Jafari A. Postmarketing reporting of Paxlovid-related dysgeusia: a real-world pharmacovigilance study. *Otolaryngology Head and Neck Surgery* 2023 Jul; 169(1): 55-61
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B. Chapters in Books

1. Thaler ER, **Abuzeid WM**. Etiology and Impact of Rhinosinusitis. In: Thaler ER and Kennedy DW, eds. *Rhinosinusitis: A Guide for Diagnosis and Management*. New York, New York: Springer; 2008: 1-15
2. O'Malley, Jr. BW, **Abuzeid WM**, Li D, Staecker H. Fundamentals of Molecular Biology and Gene Therapy. In: Flint PW, Haughey BH, Lund VJ, Niparko JK, Richardson MA, Robbins KT, Thomas JR, eds. *Cummings Otolaryngology: Head and Neck Surgery*. 5th Edition. Philadelphia, Pennsylvania: Mosby Elsevier; 2010: 11-24
3. **Abuzeid WM**, Li D, O'Malley, Jr. BW. Gene therapy for head and neck cancer. In: Alford RL and Sutton VR, eds. *Advances in Otorhinolaryngology: Medical Genetics in the Clinical Practice of ORL*. Basel, Switzerland: S. Karger AG; 2011: 141-151
4. Weinstein GS, **Abuzeid WM**, Khan K, O'Malley, Jr. BW. Chapter 4: Patient positioning and setup utilizing the Da Vinci Robotic System: a surgeon's perspective. In: Weinstein GS and O'Malley Jr., BW, eds. *Transoral Robotic Surgery (TORS)*. San Diego, California: Plural Publishing; 2012
5. O'Malley, Jr. BW, Weinstein GS, **Abuzeid WM**, Khan K, Quon H. Chapter 9: Tongue Base Resection. In: Weinstein GS and O'Malley Jr., BW, eds. *Transoral Robotic Surgery (TORS)*. San Diego, California: Plural Publishing; 2012
6. Weinstein GS, O'Malley, Jr. BW, **Abuzeid WM**, Khan K, Quon H. Chapter 10: Supraglottic Partial Laryngectomy. In: Weinstein GS and O'Malley Jr., BW, eds. *Transoral Robotic Surgery (TORS)*. San Diego, California: Plural Publishing; 2012
7. O'Malley, Jr. BW, Weinstein GS, **Abuzeid WM**, Khan K, Quon H. Chapter 13: Glottic Procedures. In: Weinstein GS and O'Malley Jr., BW, eds. *Transoral Robotic Surgery (TORS)*. San Diego, California: Plural Publishing; 2012
8. **Abuzeid WM**, O'Malley, Jr. BW, Li D, Staecker H. Fundamentals of Molecular Biology and Gene Therapy. In: Flint PW, Haughey BH, Lund VJ, Niparko JK, Richardson MA, Robbins KT, Thomas JR, eds. *Cummings Otolaryngology: Head and Neck Surgery*. 6th Edition. Philadelphia, Pennsylvania: Mosby Elsevier; 2014
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10. Fastenberg JH, Fried MP, **Abuzeid WM**. Chapter 6.4: Controversial topics in current practice—Use of image-guidance technology—Mandatory or not? In: Georgalas C, Sama A, eds. *Frontal Sinus Surgery 1st Edition*. Stuttgart, Germany: Thieme; 2017
11. Fang CH, **Abuzeid WM**. Chapter 37: Pathology and Endoscopic Approaches to the Anterior Skull Base. In: Senior BA, Chan Y, eds. *Rhinology and Allergy: Clinical Reference Guide*. San Diego, California: Plural Publishing, Inc.; 2017
12. Li K, Patel V, **Abuzeid WM**. Asthma and Chronic Rhinosinusitis: Surgical Management and Outcomes. In: Gudis DA and Schlosser RJ, eds. *Rhinologic Disease and Respiratory Disorders: The Unified Airway*. Switzerland AG: Springer Nature; 2020
13. **Abuzeid WM**, O'Malley, Jr. BW, Li D, Staecker H. Fundamentals of Molecular Biology and Gene Therapy. In: Flint PW, Haughey BH, Lund VJ, Robbins KT, Thomas JR, Lesperance MM, Francis HW, eds. *Cummings Otolaryngology: Head and Neck Surgery*. 7th Edition. Philadelphia, Pennsylvania: Elsevier; 2021
14. **Abuzeid WM**, Sharma D. Philosophy and Perspectives by Specialty: the Rhinology Perspective. In: Moe KS, Kong DS, Schwartz TH, eds. **Transorbital Endoscopic Skull Base Surgery**. London, United Kingdom: Springer Nature; 2024 (pending publication)

C. Poster Presentations

- 9/2006 American Academy of Otolaryngology: Head & Neck Surgery, Toronto
Paulson D, **Abuzeid WM**, Guang W, Qie W, O'Malley Jr BW, Li D. "A Novel Tumor-Targeted Adenoviral System for Head and Neck Squamous Cell Carcinoma."
- 4/2007 American Association for Cancer Research, Los Angeles
Abuzeid WM, Shi G, Rhee J, Carney J, O'Malley Jr BW, Li D. "Mutant Rad50 mediated cisplatin chemosensitization for the treatment of human head and neck cancer."
American Head and Neck Society, San Diego
Abuzeid WM, Shi G, Rhee J, Carney J, O'Malley Jr. BW, Li D. "Mutant Rad50 mediated disruption of the MRN DNA repair complex sensitizes human head and neck cancer to cisplatin."
- 9/2007 American Academy of Otolaryngology: Head & Neck Surgery Annual Meeting, Washington D.C.
Khan K, **Abuzeid WM**, Jiang X, Cao X, Li D, O'Malley, Jr. BW. "Double DNA Repair Hits: Chemoradiation-Free Therapy for HNSCC."
Abuzeid WM, Khan K, Jiang X, Cao X, O'Malley, Jr. BW, Li D. "Disruption of DNA Damage Signaling: A Novel Therapy for HNSCC."
- 4/2008 American Association for Cancer Research Annual Meeting, San Diego
Abuzeid WM, Khan K, Paulson DP, Jiang X, Araki K, Reddy N, Jungreis DB, Zhang J, Lapidus RG, O'Malley, Jr. BW, Li D. "Disruption of DNA repair pathways: chemoradiation-free treatment for cancer."
- 5/2008 Triological Society for Combined Otolaryngology Spring Meeting, Orlando
Guss J, **Abuzeid WM**, Doghramji L, Chiu A. "Fluoroquinolone resistant *Pseudomonas aeruginosa* in chronic sinusitis."
- 4/2011 American Association for Cancer Research Annual Meeting, Orlando
Tang AL, **Abuzeid WM**, Jones T, Owen JH, Chinn SB, Davis SJ, Prince VM, Lin J, Fuchs JR, Bradford CR, Carey TE, Prince ME. "Targeting cancer stem cells through STAT3 inhibition in head and neck squamous cell carcinomas."
- 7/2014 International Federation of Head and Neck Oncologic Societies 5th World Congress, New York
Owen JH, Wang AC, **Abuzeid WM**, Keep RF, Fan X, McKean EL, Sullivan SE, Prince ME. "Establishment and characterization of two novel human chordoma cell lines."
- 5/2016 American Rhinologic Society at the Combined Otolaryngology Spring Meetings, Chicago
Fang CH, Vakil M, Hsueh W, **Abuzeid WM**. "Chronic Rhinosinusitis at an Urban Tertiary Medical Center: Demographics, Socioeconomic Factors, Clinical Presentation and Surgical Outcomes."
- 4/2017 American Rhinologic Society at the Combined Otolaryngology Spring Meetings, San Diego
Abuzeid WM, Song C, Fastenberg JH, Fang CH, Ayoub N, Jerschow E, Mohabir PK, Hwang PH. "Correlations between cystic fibrosis genotype and sinonasal disease phenotype in patients with chronic rhinosinusitis"
Fang CH, Vakil M, Akbar NA, Fried M, **Abuzeid WM**. "Outcomes of the endoscopic modified Lothrop procedure following failure of primary functional endoscopic sinus surgery: a meta-analysis"

- 9/2017 American Rhinologic Society Annual Meeting at the American Academy of Otolaryngology: Head and Neck Surgery, Chicago
Fang CH, Fastenberg JH, Hsueh WD, **Abuzeid WM**, Akbar NA. “Patient satisfaction and the use of biofeedback video goggles during nasal endoscopy in a rhinology clinic”
- 3/2018 American Academy of Allergy, Asthma, and Immunology/World Allergy Organization Joint Congress, Orlando
Li K, Foreman R, Akbar N, **Abuzeid W**, Ferastraoararu D. “Clinical and laboratory characteristics of children with nasal polyposis”
Ferastraoararu D, Akbar N, **Abuzeid WM**, Jerschow E, Rosenstreich D. “Nasal allergen provocation tests in inner-city patients with perennial local allergic rhinitis”
- 10/2018 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Atlanta
Levy DA, Lee AY, **Abuzeid WM**, Akbar NA. “Guns n’ Noses: endoscopic removal of an air-gun pellet retained in the frontal paranasal sinus”
- 2/2019 American Academy of Allergy, Asthma & Immunology Annual Meeting, San Francisco
Jerschow E, Edin ML, Chi Y, Hurst B, **Abuzeid WM**, Akbar NA, Gibber M, Fried MP, Han W, Pelletier T, Ren Z, Keskin T, Gottlieb GR, Lih FB, Gruzdev A, Bradbury JA, Schuster V, Spivack S, Rosenstreich D, Zeldin DC. “Nasal polypectomy is associated with decreased aspirin sensitivity and related eicosanoid changes in AERD patients”
- 4/2019 New York Academy of Sciences: Severe Asthma, Inflammation, and Lung Repair, New York
Shah SJ, Ponduri A, Pelletier T, Gibber M, Fried MP, Ren Z, Keskin T, Gottlieb GR, Spivack S, Rosenstreich D, Akbar NA, **Abuzeid WM**, Jerschow E. “Lower eosinophilia and lower serum immunoglobulin E levels are associated with aspirin desensitization success in AERD patients.”
- 2/2020 North American Skull Base Society Annual Meeting, San Antonio
Li K, Fang CH, Hawn VS, Agarwal V, Kshretty VR, Bellile E, Akbar NA, McKean EL, **Abuzeid WM**, Moskowitz HS. “Antibiotic Use in Lateral Skull Base Surgery: A Survey of the North American Skull Base Society” (**1st Place, Best Poster Abstract**)
- 9/2020 American Rhinologic Society Annual Meeting (Virtual)
Li KL, Cleare LG, Nacharaju P, Friedman JM, Nosanchuk JD, **Abuzeid WM**. “Nitric oxide in nanotherapeutics to combat emerging fungal pathogen *Candida auris*.”
- 4/2021 American Rhinologic Society at Combined Otolaryngology Spring Meeting (Virtual)
Patel V, Kominsky E, Li K, Akbar NA, Mehta V, **Abuzeid WM**. “Sinusitis in the Bronx: impact of demographics, patient characteristics, and socioeconomic status on disease epidemiology and outcomes.” (**2nd Place, Poster Award**)
Patel VM, Li KL, Kominsky E, Colley P, **Abuzeid WM**, Mehta V, Akbar NA. “Impact of obesity on surgical outcomes in patients with chronic rhinosinusitis undergoing endoscopic sinus surgery.”
- 10/2021 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Los Angeles
Akkina S, **Abuzeid WM**, Meyer T, Sie K, Futran N. “Culture and Burnout in Academic Otolaryngology.”
- 4/2022 American Rhinologic Society at Combined Otolaryngology Spring Meeting, Dallas
Pulido R, Friedman S, Bly R, **Abuzeid WM**, Moe KS, Humphreys IH, Li Y, King D, Hannaford B. “Application and advances in 3D printing for patient specific sinus and skull base surgery.”

- 7/2022 Society for Mucosal Immunology (ICMI) 2022, Seattle
Wu X, Hsiang TY, Jing L, Mills MG, Campbell VL, McClurkan CL, Krist MP, Laing KJ, Huang ML, **Abuzeid WM**, Gale Jr M, Koelle DM. “SARS-CoV-2-specific CD8+ T cells recognize infected respiratory epithelial cells.”
- 9/2022 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Philadelphia
Lehmann AE, Marshall TB, Cvancara DD, Humphreys IM, **Abuzeid WM**, Reeve N, Jafari A. “Prevalence and associated factors of cognitive dysfunction in patients with chronic rhinosinusitis.”
- 9/2023 American Academy of Otolaryngology: Head and Neck Surgery Annual Meeting, Nashville
Pulido R, Friedman S, **Abuzeid W**, Humphreys I, Jafari A, Moe K, Bly R. “An objective assessment of 3D printed models in sinus surgery.”