

MARTIN J. CITARDI, MD, FACS

McGovern Medical School
The University of Texas Health Science Center at Houston
Department of Otorhinolaryngology-Head & Neck Surgery
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PRESENT POSITION

Department of Otorhinolaryngology-Head & Neck Surgery	2008-present
Professor & Chair	
Vice Dean for Clinical Technology	2019-present
MCGOVERN MEDICAL SCHOOL THE UNIVERSITY OF HEALTH SCIENCE CENTER AT HOUSTON Houston, TX	
Otorhinolaryngology-Head & Neck Surgery Service Line Chief	2008-present
MEMORIAL HERMANN -TEXAS MEDICAL CENTER Houston, TX	

PREVIOUS APPOINTMENTS

Head & Neck Institute	2004-2008
Department of Otolaryngology & Communicative Disorders	2001-2004
Head & Neck Institute Residency Program Associate Director	2006-2008
Section of Nasal & Sinus Disorders (Section Head)	2004-2008
Cancer Center	2003-2008
Staff	2001-2008
CLEVELAND CLINIC FOUNDATION Cleveland, OH	
Department of Otolaryngology-Head and Neck Surgery	1997-2000
Assistant Professor	
SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE St. Louis, Missouri	

POST-GRADUATE TRAINING

Rhinology and Sinus Surgery	1996-1997
Fellow	
GEORGIA RHINOLOGY AND SINUS CENTER MEMORIAL GEORGIA EAR INSTITUTE Savannah, Georgia	
Otolaryngology-Head and Neck Surgery	1995-1996
Chief Resident & Instructor	
YALE UNIVERSITY SCHOOL OF MEDICINE New Haven, Connecticut	
Otolaryngology-Head and Neck Surgery	1992-1995
Assistant Resident	
YALE UNIVERSITY SCHOOL OF MEDICINE New Haven, Connecticut	
General Surgery	1991-1992
Intern	
YALE UNIVERSITY SCHOOL OF MEDICINE New Haven, Connecticut	

EDUCATION

Doctor of Medicine	1991
THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE	

Baltimore, Maryland

Bachelor of Arts (Biology)

1987

THE JOHNS HOPKINS UNIVERSITY SCHOOL OF ARTS AND SCIENCES
Baltimore, Maryland

ADDITIONAL TRAINING**MHMD University Certificate in Healthcare Management**

2017

RICE UNIVERSITY

Houston, TX

Graduate Certificate in Healthcare Management

2010-2011

RICE UNIVERSITY

Houston, TX

BOARD CERTIFICATION

American Board of Otolaryngology
Certificate 15403

1997

HONORS

<i>H Texas</i> Top Doctor	2016-present
Castle-Connolly Top Doctor	2013-present
<i>U.S. News</i> Top Doctors	2013-present
Texas Super Doctors	2011-present
<i>Houstonia</i> Top Doctor	2014-2019
American Academy of Otolaryngology-Head and Neck Surgery Distinguished Service Award	2017
Top 10 Doctor (Vitals.com)	2013
Patients' Choice Award	2012
<i>Health & Fitness Sports Magazine</i> Houston's Best Physicians	2011
Guide to America's Top Surgeons (Consumers' Research Council of America)	2010
Cleveland Clinic Innovator Award	2007
American Academy of Otolaryngology-Head and Neck Surgery Distinguished Service Award	2007
Cleveland Clinic Division of Surgery Leadership Development Course	2006-2007
Cleveland Clinic Head & Neck Institute Teacher of the Year	2006
Best Doctors in America	2005-present
ARS Poster Award	2005
Singapore Ministry of Health Honorary Visiting Expert	2004
American Academy of Otolaryngology-Head and Neck Surgery Honor Award	2003
American Rhinologic Society Presidential Award	2003
New England Otolaryngology Society Resident Presentation Award	1993
Medical and Chirurgical Faculty of Maryland Award for Excellence in Organized Medicine	1991
Dr. Harold Lamport Biomedical Research Prize, honorable mention	1990
General Honors, The Johns Hopkins University Class of 1987	1987
Departmental Honors, The Johns Hopkins University Class of 1987	1987
The Johns Hopkins University Beneficial-Hodson Scholar	1986-1987
The Johns Hopkins University Dean's List	1983-1987
Phi Beta Kappa	1986
Alpha Epsilon Delta (premedical honor society)	1985
National Merit Scholar	1983

RESEARCH GRANTS & CONTRACTSVISUALIZE Research Contract

2018-2019

\$41,671.50

A 24-week, open-label study evaluating the efficacy and safety of OPN-375 186 ug twice a day (BID) in adults with bilateral nasal polyps using nasoendoscopic video

Principal Investigator: **Martin J. Citardi, MD**

Co-investigators: Amber Luong, MD, PhD; William Yao, MD

Cadence Pharmaceuticals Research Contract

2012-2014

\$69,480

A double-blind, randomized, placebo-controlled study to investigate the effectiveness of IV Acetaminophen administered during functional endoscopic sinus surgery in reducing the use of opiates to treat postoperative pain

Principal Investigator: David Cattano, MD, PhD

Co-investigators: **Martin J. Citardi, MD**; Samer S. Fakhri, MD; Amber Luong, MD, PhD

Richie's Specialty Pharmacy Research Contract

2012-2013

\$30,108

Effect of compounded intranasal fluticasone propionate irrigations on salivary cortisol, intraocular pressure, and cataracts

Principal Investigator: **Martin J. Citardi, MD**

Co-investigators: Li-xing Man, MD; Samer S. Fakhri, MD; Amber Luong, MD, PhD

Research and Testing Laboratories Grant

2011-2013

\$12,000

Characterization of bacterial and fungal flora in CRS patients at baseline and during clinical exacerbations.

Principal Investigator: Samer Fakhri, MD

Co-investigators: Paul Lee, MD; Ashley Wenass, MD; Uma Ramaswamy, BA; **Martin J. Citardi, MD**; & Amber Luong, MD, PhD

ENTrigue Surgical Research Contract

2009-2010

Evaluation of sinus ostial expansion balloon devices in cadaveric models.

Investigators: **Martin J. Citardi, MD**; Samer S. Fakhri, MD; Amber Luong, MD, PhD (University of Texas at Houston)

Intersect ENT Research Contract

2009-2010

\$112,593

A Clinical Evaluation of a Steroid-Coated Sinus Stent When Used Following Functional Endoscopic Sinus Surgery in Patients with Chronic Rhinosinusitis (ADVANCE II Study)

Principal Investigator: **Martin J. Citardi, MD**

Co-investigators: Samer S. Fakhri, MD & Amber Luong, MD, PhD (University of Texas at Houston)

ArthroCare ENT Research Grant

2006-2008

\$20,852

A Prospective, Randomized, Controlled Clinical Study to Validate a Clinical and Endoscopic Assessment Scoring System That Evaluates Longitudinal Healing of the Middle Meatal Mucosa Following Functional Endoscopic Sinus Surgery

Investigator: **Martin J. Citardi, MD**

Co-investigators: Pete S. Batra, MD; Samer S. Fakhri, MD

Cleveland Clinic Foundation Research Programs Council

2002-2004

\$25,000

Characterization of Eosinophil Peroxidase-Induced and Myeloperoxidase-Induced Tissue Damage in Sinonasal Polyposis and Chronic Rhinosinusitis

Investigator: **Martin J. Citardi, MD**

Co-investigators: Stanley Hazen, M., Ph.D., and Donald C. Lanza, MD

American Rhinologic Society New Investigator Research Grant

2002-2003

\$20,000

Characterization of Eosinophil Peroxidase-Induced and Myeloperoxidase-Induced Tissue Damage in Sinonasal Polyposis and Chronic Rhinosinusitis

Investigator: **Martin J. Citardi, MD**

Co-investigators: Stanley Hazen, MD, PhD, and Donald C. Lanza, MD
Cleveland Clinic Foundation

RESEARCH EXPERIENCE

Inflammatory Mechanisms in Allergic Fungal Rhinosinusitis

Investigator: Amber Luong, MD, PhD

Co-investigators: **Martin J. Citardi, MD**; William Yao, MD

UTHealth

2008-present

Optical Rhinometry: Validation & Applications

Investigator: Amber Luong, MD, PhD

Co-investigators: **Martin J. Citardi, MD**

UTHealth

2008-present

A Clinical Evaluation of a Steroid-Coated Sinus Stent When Used Following Functional Endoscopic Sinus Surgery in Patients with Chronic Sinusitis

Investigator: **Martin J. Citardi, MD**

Co-investigators: Samer S. Fakhri, MD; Amber Luong, MD, PhD

UTHealth

2010

A Prospective, Randomized, Controlled Clinical Study to Validate a Clinical and Endoscopic Assessment Scoring System That Evaluates Longitudinal Healing of the Middle Meatal Mucosa Following Functional Endoscopic Sinus Surgery

Investigator: **Martin J. Citardi, MD**

Co-investigators: Pete S. Batra, MD; Samer S. Fakhri, MD

Cleveland Clinic Foundation

2006-2008

Virally-Induced STAT-1 and STAT-3 Inflammatory Cascades Result in Expression of Pro-inflammatory Cytokines in Sinonasal Polyposis

Investigators: Steve Canady, MD; Pete S. Batra, MD; Serpil Erzurum, MD

Co-investigator: **Martin J. Citardi, MD**

Cleveland Clinic Foundation

2005-2007

Computer-aided surgery applications in rhinology and skull base surgery

Investigator: **Martin J. Citardi, MD**

Cleveland Clinic Foundation

2001-2008

Characterization of Eosinophil Peroxidase-Induced and Myeloperoxidase-Induced Tissue Damage in Sinonasal Polyposis and Chronic Rhinosinusitis

Investigator: **Martin J. Citardi, MD**

Co-investigators: Stanley Hazen, MD., PhD, and Donald C. Lanza, MD

Cleveland Clinic Foundation

2001-2005

Histopathological Assessment of the Effect of Topical Paclitaxel (Delivered by Sustained Release) on Nasal Mucosa in a Sheep Model

Investigator: **Martin J. Citardi, MD**

Co-investigators: Brian Herrmann, MD, Greg Smith, PhD., and George Vogler, DVM

Saint Louis University School of Medicine

2000

Clinical Validation of the CBYON Three-Dimensional Image-Guidance System (Phase I Study)

Investigator: **Martin J. Citardi, MD**

Saint Louis University School of Medicine & Des Peres Hospital (Des Peres, MO)

1999-2000

Computer-aided craniomaxillofacial surgery

- Computer-Based CT Scan Analysis for Determination of Craniomaxillofacial Relationships*
Investigator: **Martin J. Citardi, MD**, and Mimi Kokoska, MD
Co-investigators: Scott Hardeman, MD; Brian Herrmann, MD
Saint Louis University School of Medicine 1998-2000
- Leukotriene Levels in Experimental Maxillary Sinusitis in a Rabbit Model*
Investigator: **Martin J. Citardi, MD**
Co-investigators: Greg Smith, PhD, and Daniel Hurley, MD
Saint Louis University School of Medicine 1998-1999
- Intranasal Topical Capsaicin for the Treatment of Headache of Nasal and Sinus Origin*
Investigator: **Martin J. Citardi, MD**
Co-investigator: John F. Eisenbeis, MD
Saint Louis University School of Medicine 1997-2000
- Intranasal Topical Capsaicin for the Treatment of Hyperreflexive Rhinopathy*
Investigator: **Martin J. Citardi, MD**
Co-investigators: Raymond G. Slavin, MD, and John F. Eisenbeis, MD
Saint Louis University School of Medicine 1997-2000
- Intranasal Topical Capsaicin for the Treatment of Headache of Nasal and Sinus Origin*
Intranasal Topical Capsaicin for the Treatment of Nasal Polyposis Associated with Aspirin Sensitivity and Asthma
Intranasal Topical Capsaicin for the Treatment of Hyperreflexive Rhinopathy
Investigator: Frederick A. Kuhn, M.D.
Co-investigator: **Martin J. Citardi, MD**
Georgia Rhinology & Sinus Center 1996-2000
- Alterations of prad-1 in squamous cell carcinoma of the head and neck*
Preceptor: José Costa, PhD
Yale University School of Medicine 1993
- DNA fragmentation induced by gamma interferon in squamous carcinoma cells*
Effect of anti-microtubule and anti-actin agents on the morphology of gamma interferon cytolysis of squamous carcinoma cells visualized by time-lapsed videomicroscopy
Preceptor: William J. Richtsmeier, MD, PhD
The Johns Hopkins University School of Medicine 1990
- Sequence-dependent cytotoxicity of combinations of the anti-microtubule agents, taxol and vincristine, and the alkylating drug, cisplatin*
Preceptors: Ross C. Donehower, MD, and Eric K. Rowinsky, MD
The Johns Hopkins Oncology Center 1989
- Review of the clinical course and pathology of cases of neuroblastoma and medulloblastoma in adults treated at The Johns Hopkins Hospital*
Preceptors: Ross C. Donehower, MD, and Eric K. Rowinsky, MD
The Johns Hopkins Oncology Center 1989
- Effect of putative radio-sensitizing and radio-protecting compounds on the inactivation of P22 and T4 bacteriophages by low level gamma irradiation*
Preceptor: Philip E. Hartman, PhD
The Johns Hopkins University School of Arts and Sciences 1985-1986

PUBLICATIONS

- Citardi MJ**, Fakhri S. Cerebrospinal fluid rhinorrhea. In: Flint, et al., ed. Cummings Otolaryngology-Head and Neck Surgery (7th edition). Philadelphia: Elsevier Science. 2021.
- LeConte B, Low GMI, **Citardi MJ**, Yao WC, Aguia AA, Luong AU. Aerosol generation with common rhinologic devices: cadaveric study conducted in a surgical suite. *International Forum of Allergy & Rhinology*. 2020; 10: 1261-1263 (<http://dx.doi.org/10.1002/alr.22679>).

- Navqi SH, Citardi MJ, Cattano D, Ostrosky-Zeichner L, Knacksedt M, Karni RJ. Povidone-iodine solution as SARS-CoV-2 prophylaxis for procedures of the aerodigestive tract (a theoretical framework). *Journal of Otolaryngology*. 2020; <https://doi.org/10.1186/s40463-020-00474-x>.
- Schmale IL, Vandelaar LJ, Luong AU, Citardi MJ, Yao WC. Image-guided surgery and intraoperative imaging in rhinology: clinical update and current state of the art. *Ear, Nose & Throat Journal*. 2020; <https://doi.org/10.1177/0145561320928202>.
- Vandelaar LJ, Jiang ZY, Saini A, Yao WC, Luong AU, Arias CA, Ramakrishnan V, Citardi MJ. PHQ-9 and SNOT-22: Elucidating the prevalence of depression in chronic rhinosinusitis. *Otolaryngology-Head & Neck Surgery*. 2020; 162:142-147.
- Yao WC, Ramakrishnan VR, Luong AU, Citardi MJ. VISUALIZE: a 24-week, open-label study using nasal endoscopy video to evaluate the efficacy and safety of EDS-FLU 186 ug twice daily in adults with bilateral nasal polyps. *Rhinology Online*. 2020; https://www.rhinologyonline.org/Rhinology_online_issues/manuscript_71.pdf.
- Cattano D, Citardi MJ. Chronic Rhinosinusitis with Nasal Polyps. *Journal of Head & Neck Anesthesia*. 2019; 3: e20 (epub).
- Haider AA, Marino MJ, Yao WC, Citardi MJ, Luong AU. The potential of high-throughput DNA sequencing of the paranasal sinus microbiome in diagnosing odontogenic sinusitis. *Otolaryngology-Head & Neck Surgery*. 2019; 16: 1043-1047.
- Dietz CJ, Sun H, Yao WC, **Citardi MJ**, Corry DB, Luong AU. *Aspergillus fumigatus* induction of IL-33 expression in chronic rhinosinusitis is PAR2-dependent. *Laryngoscope*. 2019; 129:2230-2235.
- Marino M, Luong A, Yao WC, **Citardi MJ**. Nonpharmacological relaxation technology for office-based rhinologic procedures. *ORL: Journal for Oto-rhino-laryngology and its Borders*. 2019; 81:48-54.
- Saini AT, Citardi MJ, Yao WC, Luong AU. Office-based sinus surgery. *Otolaryngologic Clinics of North America*. 2019 (epub).
- Talmadge J, Nayak JV, Yao W, Citardi MJ. Management of postsurgical empty nose syndrome. *Facial Plastic Surgery Clinics of North America*. 2019; 27:465-475.
- Vandelaar LJ, Hanson B, Marino M, Yao WC, Luong AU, Arias CA, Ramakrishnan V, **Citardi MJ**. Analysis of sinonasal microbiota in exacerbations of chronic rhinosinusitis subgroups. *OTO Open*. 2019; 3:1-8
- Diaz-Martinez JA, Esquenazi Y, Martier M, **Citardi MJ**, Karni R, Blanco AI. Planned gamma knife boost after chemotherapy for selected sinonasal and nasopharyngeal cancers. *World Neurosurgery*. 2018; 119: e467-474.
- Lam K, Luong A, Yao WC, **Citardi, MJ**. Use of autologous fat grafts for the endoscopic reconstruction of skull base defects: indications, outcomes, and complications. *American Journal of Rhinology & Allergy*. 2018; 32: 310-317.
- Luong A, **Citardi, MJ**. In-office rhinology techniques. In Senior BA and Chan Y, ed., *Rhinology & Allergy: Clinical Reference Guide*. San Diego: Plural Publishing, 2018. Chapter 21 (pp. 273-278).
- Man LM, Fakhri S, Luong A, **Citardi MJ**. Sphenopalatine/internal maxillary artery ligation. In Chiu AG, Palmer JN and Adappa ND. *Atlas of Endoscopic Sinus and Skull Base Surgery*. Philadelphia: Elsevier, 2018. Chapter 3 (pp. 19-24).
- Marino M, Luong A, Yao W, **Citardi MJ**. Management of odontogenic cysts by endonasal endoscopic techniques: a systematic review and case series. *American Journal of Rhinology & Allergy*. 2018; 32: 40-45.
- Tyler MA, Deitz CJP, Russell CB, **Citardi MJ**, Assassi S, Ying J, Luong AU. Distinguishing molecular features of allergic fungal rhinosinusitis. *Otolaryngology-Head & Neck Surgery*. 2018; 159: 185-193
- Citardi MJ**. Image-guided surgery: fundamentals and clinical applications in otolaryngology (book review). *Head & Neck*. 2017.

- Marino MJ, Chooi LL, Yao WC, Luong A, **Citardi, MJ**. Eustachian tube dysfunction symptoms in patients treated in a tertiary rhinology clinic. *International Forum on Allergy & Rhinology*. 2017;7:1135-1139.
- Agbetoba A, Luong A, Siow, JK, Senior S, Callejas C, Szczygielski K, Citardi MJ. Educational Utility of advanced 3-dimensional virtual imaging in evaluating the anatomical configuration of the frontal recess. *International Forum on Allergy & Rhinology*. 2017; 7: 143-148.
- Citardi MJ**, Yao W, Luong A. Next navigation surgical navigation systems in sinus and skull base surgery. *Otolaryngologic Clinics of North America*. 2017; 50: 617-632.
- Citardi MJ**. 21st century rhinology. *American Journal of Rhinology & Allergy*. 2017; 31: 69-70.
- Lam K, Bigcas JL, Luong A, Yao W, **Citardi MJ**. Flexible microsensor technology for real-time navigation in balloon sinus ostial dilation. *Allergy & Rhinology*. 2017; 8: 20-24.
- Marino MJ, **Citardi MJ**, Yao WC, Luong A. Image guidance in endoscopic sinus surgery: Where are we heading? *Current Otorhinolaryngology Reports*. 2017; 5: 8-15.
- Tyler MA, **Citardi MJ**, Yao WC. Management of retrobulbar hematoma. *Operative Techniques in Otolaryngology*. 2017; 28: 208-212.
- Tyler MA, Lam K; Ashoori F, Cai C; Kain JJ, Fakhri S, **Citardi MJ**, Cattano C, Luong A. Analgesic effects of intravenous acetaminophen vs placebo for endoscopic sinus surgery and postoperative pain. *JAMA Otolaryngology Head & Neck Surgery*. 2017; 143: 788-794.
- Tyler MA, Russel CB, Smith DE, Rotman JB, Dietz CJP, Hu X, **Citardi MJ**, Fakhri S, Assassi S, Luong A. Large-scale gene expression profiling reveals distinct type 2 inflammatory patterns in chronic rhinosinusitis subtypes. *Journal of Allergy & Clinical Immunology*. 2017; 139(3): 1061-1064.
- Citardi MJ**. Frontal Sinus Rescue. In: Kountakis S, Senior B, Draf W, ed., *Frontal Sinus Disease*. New York: Springer, 2016. Chapter 27 (pp. 371-380).
- Citardi MJ**, Agbetoba A, Bigcas JL, Luong A. Augmented reality for endoscopic sinus surgery with surgical navigation: a cadaver study. *International Forum on Allergy & Rhinology*. 2016; 6:523-528.
- Wormald PJ, Bassiouni B, Callejas CA, Kennedy DW, **Citardi MJ**, Smith TL, Orlandi RR, Kashchke O, Siow, JK Szczygielski K, Lund VJ, Fokkens WJ, Psaltis AJ The International Classification of the Radiological Complexity (ICC) of Frontal Recess and Frontal Sinus. *International Forum on Allergy & Rhinology*. 2017; 7:332-337.
- Orlandi RR, Kingdom TT, Hwang PH, Smith TL, Alt JA, Baroody FM, Batra PS, Bernal-Sprekelsen M, Bhattacharyya N, Chandra RK, Chiu A, **Citardi MJ**, Cohen NA, DelGaudio J, Desrosiers M, Dhong HJ, Douglas R, Ferguson B, Fokkens WJ, Georgalas C, Goldberg A, Gosepath J, Hamilos DL, Han JK, Harvey R, Hellings P, Hopkins C, Jankowski R, Javer AR, Kern R, Kountakis S, Kowalski ML, Lane A, Lanza DC, Lebowitz R, Lee HM, Lin SY, Lund V, Luong A, Mann W, Marple BF, McMains KC, Metson R, Naclerio R, Nayak JV, Otori N, Palmer JN, Parikh SR, Passali D, Peters A, Piccirillo J, Poetker DM, Psaltis AJ, Ramadan HH, Ramakrishnan VR, Riechelmann H, Roh HJ, Rudmik L, Sacks R, Schlosser RJ, Senior BA, Sindwani R, Stankiewicz JA, Stewart M, Tan BK, Toskala E, Voegels R, Wang de Y, Weitzel EK, Wise S, Woodworth BA, Wormald PJ, Wright ED, Zhou B, Kennedy DW. International Consensus Statement on Allergy & Rhinology: Rhinosinusitis. *International Forum on Allergy & Rhinology*. 2016; 6: S22-S209.
- Promsopa C, Kansara S, **Citardi MJ**, Fakhri S, Porter P, Luong A. Prevalence of confirmed asthma varies in chronic rhinosinusitis subtypes. *International Forum on Allergy & Rhinology*. 2016; 6:373-377.
- Wormald PJ, Hoseman W, Callejas CA, Weber R, Kennedy DW, **Citardi MJ**, Senior BA, Smith TL, Hwang PH, Orlandi RR, Kaschke O, Siow JK, Szczygielski K, Goessler U, Khan M, Bernal-Sprekelsen M, Kuehnel T, Psaltis A. The International Frontal Sinus Anatomy Classification (IFAC) and Classification of the Extent of Endoscopic Frontal Sinus Surgery (EFSS). *International Forum on Allergy & Rhinology*. 2016; 6: 677-696.

- Plonk DP, Luong A, **Citardi MJ**. Fungal rhinosinusitis. In: Batra PS and Han JK, ed. *Practical and Surgical Management of Chronic Rhinosinusitis*. Heidelberg: Springer International Publishing, 2015.
- Porter PC, Lim D, Maskatia ZK, Mak G, Tsai CL, **Citardi MJ**, Fakhri S, Shaw JL, Fothergil A, Kheradmand F, Corry DB, Luong A. Airway surface mycosis in chronic Th2-associated airway disease. *Journal of Allergy and Clinical Immunology*. 2014; 134: 325-31.
- Agarwal G, Hernandez D, **Citardi, MJ**, Fakhri S, Luong A. End-organ testing for allergic rhinitis with fungi is poorly correlated with fungal sensitivity. *Otolaryngology- Head Neck Surg*. 2013; 148:391-395.
- Ansari M, Guo S, Fakhri S, **Citardi MJ**, Blanco A, Patino M, Buryanek J, Amato R, Karni R, Brown RE. Sinonasal undifferentiated carcinoma (SNUC): Morphoproteomic-guided treatment paradigm with clinical efficacy. *Annals of Clinical & Laboratory Sciences*. 2013; 43: 45-53.
- Batra PS, Tong L, **Citardi, MJ**. Analysis of co-morbidities and objective parameters in refractory chronic rhinosinusitis. *Laryngoscope*. 2013; 123 Suppl 7: S1-S11.
- Clark DC, Weenas A, Luong A, **Citardi MJ**, Fakhri S. *Staphylococcus aureus* prevalence in allergic fungal rhinosinusitis versus other subsets of chronic rhinosinusitis with nasal polyps. *International Forum of Allergy & Rhinology*. 2013; 3: 89-93.
- Lambert E, Fakhri S, **Citardi MJ**, Luong A. Optical rhinometry in non-allergic irritant rhinitis (NAIR): A capsaicin challenge study. *International Forum of Allergy & Rhinology*. 2013; 3: 795-800.
- Man LM, Farhood Z, Luong A, Fakhri S, Feldman RM, Orlander PR, **Citardi MJ**. The effect of intranasal fluticasone propionate irrigations on salivary cortisol, intraocular pressure and posterior subcapsular cataracts in postsurgical chronic rhinosinusitis patients. *International Forum of Allergy and Rhinology*. 2013; 3: 953-957.
- Man LM, Fakhri S, Luong A, **Citardi MJ**. Sphenopalatine artery ligation. In: Palmer JN and Chi AG. *Atlas of Endoscopic and Skull Base Surgery*. (Philadelphia: Elsevier), 2013.
- Ramakrishnan VR, Orlandi RR, **Citardi, MJ**, Smith TL, Fried MP, Kington TT. The use of image-guided surgery in endoscopic sinus surgery: an evidence-based review with recommendations. *International Forum of Allergy and Rhinology*. 2013; 3:236-241.
- Sade B, Batra PS, **Citardi MJ**, Lee JH. Neurosurgical overview of minimally invasive resection of anterior skull base malignancy: a comparison to traditional craniofacial resection. In Berhouma M. *Minimally Invasive Skull Base Surgery (Principles and Practice)*. (New York: Nova Biomedical), 2013.
- Shaw JL, Fakhri S, **Citardi MJ**, Porter PC, Corry DB, Kheradmand F, Liu YJ, Luong A. IL-33-responsive innate lymphoid cells are an important source of IL-13 in chronic rhinosinusitis with nasal polyps. *American Journal of Respiratory Care and Critical Care Medicine*. 2013; 188:432-439.
- Alava I, Isaacs S, Luong A, **Citardi MJ**, Fakhri S. Mometasone furoate gel: A novel in-office Treatment of recalcitrant postoperative chronic rhinosinusitis. *Journal of Otolaryngology-Head & Neck Surgery*. 2012; 41:183-188.
- Cattano D, Gomez-Rivera F, Seitan C, Altamirano A, Patel, C, Luong A, **Citardi MJ**, Fakhri S, Hagberg CA. Platelet function as affected by total intravenous and inhalational anesthesia. *Journal of Anesthesia & Clinical Research*. 2012; 4:290.
- Cattano D, Gomez-Rivera F, Seitan C, Altamirano A, Patel, C, Luong A, **Citardi MJ**, Fakhri S, Hagberg CA. Post-operative effects: Comparison of total intravenous and inhalational anesthesia. *Journal of Anesthesia & Clinical Research*. 2012; 4:287.
- Citardi MJ**. Surgical navigation and intraoperative imaging. In: Kennedy D and Huang P. *Rhinology: Diseases of the Nose, Sinuses and Skull Base*. (New York: Thieme), 2012.
- Gomez-Rivera F, Cattano D,, Seitan C, Altamirano A, Patel, C, Luong A, **Citardi MJ**, Hagberg CA Fakhri S. Pilot study comparing total intravenous to inhalational anesthesia in endoscopic sinus surgery: novel approach of blood flow quantification. *Annals of Otolaryngology, Rhinology & Laryngology*. 2012; 121:725-732

- Shaw JL, Ashoori F, Fakhri S, **Citardi MJ**, Luong A. Increased percentage of mast cells within sinonasal mucosa of chronic rhinosinusitis with nasal polyp patients independent of atopy. *International Forum on Allergy & Rhinology*. 2012; 2:233-240.
- Lamarre ED, Batra PS, Lorenz RR, **Citardi MJ**, Adelstein DJ, Srinivas SM, Scharpf J. Role of positron emission tomography in management of sinonasal neoplasms-a single institution's experience. *American Journal of Otolaryngology*. 2012; 33:289-295.
- Sade B, Batra PS, Scharpf J, **Citardi MJ**, Lee JH. Minimally invasive endoscopic endonasal management of skull base cholesterol granulomas. *World Neurosurg*. 2012; 78: 683-688.
- Batra PS, Kingdon TT, **Citardi MJ**. Fellowship training in rhinology: American Rhinologic Society survey of US graduates. *International Forum of Allergy & Rhinology*. 2011; 1:206-211.
- Clark DW, Wenaas A, **Citardi MJ**, Luong A, Fakhri S. Chronic rhinosinusitis with nasal polyps: elevated serum immunoglobulin E is associated with *Staphylococcus aureus* on culture. *International Forum of Allergy & Rhinology*. 2011; 1: 445-450.
- Isaacs SJ, Fakhri S, Luong A, **Citardi MJ**. A meta-analysis of topical amphotericin B for the treatment of chronic rhinosinusitis. *International Forum of Allergy & Rhinology*. 2011; 1:250-254.
- Isaacs SJ, Fakhri S, Luong A, Whited C, **Citardi MJ**. The effect of dilute baby shampoo on nasal mucociliary clearance in healthy subjects. *American Journal of Rhinology*. 2011; 25:27-29.
- Sade B, Batra PS, Scharpf J, **Citardi MJ**. Minimally invasive endoscopic management of skull base cholesterol granuloma. *World Neurosurg*. 2011 Nov 24. [Epub ahead of print]
- Batra PS, Luong A, Kanowitz, SJ, Sade B, Lee J, Lanza DC, **Citardi MJ**. Outcomes of minimally invasive endoscopic resection of anterior skull base neoplasms. *Laryngoscope*. 2010; 120:9-16.
- Cheung EJ, **Citardi MJ**, Fakhri S, Cain J, Batra PS, Luong A U. Comparison of optical rhinometry to acoustic rhinometry using nasal provocation testing with *Dermatophagoides farinae*. *Otolaryngology-Head & Neck Surgery*. 2010; 143:290-293.
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PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

- Saiyed FK, Radabaugh JP, Gong SW, **Citardi MJ**, Luong AU, Yao WC. Synchia incidence following primary and revision FESS. Presented at American Rhinologic Society annual meeting, September 10-12, 2020; virtual meeting.
- Schmale IL, Yao WC, **Citardi MJ**. Hydraulic dissection technique during endoscopic sinus surgery using a novel balloon sinus dilation device. Poster presented at American Rhinologic Society annual meeting, September 10-12, 2020; virtual meeting.
- Schmale IL, Yao WC, Luong AU, **Citardi MJ**. The role of CT and endoscopy in the evaluation of patients referred for intranasal cryoablation. Poster presented at American Rhinologic Society annual meeting, September 10-12, 2020; virtual meeting.

Talmadge J, Jiang ZY, Zebda D, Yao W, Luong A, **Citardi MJ**. Counter map point distribution and surgeon experience level affect accuracy of surgical navigation. Poster presented at American Rhinologic Society annual meeting, September 13-14, 2019; New Orleans, LA

Yao W, Gong S, Ulin L, Blackburn S, **Citardi MJ**, Luong A. Olfactory function via sniffin sticks following bilateral superior turbinate resection. Presented at American Rhinologic Society annual meeting, September 13-14, 2019; New Orleans, LA.

Yao W, Ramakrishnan V, Luong A, **Citardi MJ**. VISUALIZE: A 24-week, open-label study using endoscopic video to evaluate the efficacy and safety of EDS-FLU 186 ug twice daily in adults with bilateral nasal polyps. Presented at American Rhinologic Society annual meeting, September 13-14, 2019; New Orleans, LA.

Citardi, MJ Derosiers M, Lanza D, Ramakrishnan V. SSS: Microbiomes: deploying the technology. Panel presentation at Rhinoworld Chicago, June 5-9, 2019; Chicago, IL.

DelGaudio J, **Citardi MJ**, Dubin M, Luong A, Payne S. SSS: Would you do this in your office? Panel presentation at Rhinoworld Chicago, June 5-9, 2019; Chicago, IL.

Luong A, **Citardi MJ**, Fokkens W, Kern R, Ring D, Steward M. Becoming a leader in otolaryngology. Panel presentation at Rhinoworld Chicago, June 5-9, 2019; Chicago, IL.

Citardi MJ. Augmented reality for clival chordoma. Presented at the North American Skull Base Meeting, February 15-17, 2019; Orlando, FL.

Saini AT, Jiang ZY, Luong AU, Yao WC, **Citardi, MJ**. Are NSAIDs effective enough for postoperative pain control after sinonasal surgery? Presented at American Rhinologic Society annual meeting, October 5-6, 2018; Atlanta, GA.

Vandelaar LJ, Jiang ZY, Saini A, Yao WC, Luong AU, **Citardi MJ**. Depression and CRS: Relationship between PHQ-9 and SNOT-22. Presented at American Rhinologic Society annual meeting, October 5-6, 2018; Atlanta, GA.

Citardi MJ (moderator), Keschner D, Kim J, Melroy C, Schaberg M. Defining appropriate medical therapy for CRS. Panel discussion at American Rhinologic Summer Sinus Symposium; July 12-14, 2018; Seattle WA.

Smith T (moderator), Campomanes B, **Citardi MJ**, Goldberg A, Gray S, Hwang P, Schlosser R. Getting it right the first time! Primary endoscopic sinus surgery? Panel discussion at American Rhinologic Summer Sinus Symposium; July 12-14, 2018; Seattle WA.

Wang E (moderator), Asako M, Batra P, Casiano R, **Citardi MJ**, Wise S, Zanation A. Skull base cases: case presentations. Panel discussion at American Rhinologic Summer Sinus Symposium; July 12-14, 2018; Seattle WA.

Vandelaar LJ, Hanson B, Marino M, Yao W, Luong AU, Arias CAA, Ramakrishnan V, **Citardi MJ**. Analysis of sinonasal microbiota in exacerbations of chronic rhinosinusitis subgroups. Presented at American Rhinologic Society spring meeting, April 20-21, 2018; Washington, DC.

Tyler MA, **Citardi MJ**, Fakhri S, Luong A. Distinguishing molecular features of CRS subtypes. Presented at American Academy of Otolaryngology-Head & Neck Surgery annual meeting, September 10-13, 2017; Chicago, IL

DeConde A (moderator), **Citard MJ**, Patel Z, Psaltis A, Suh J. Choosing the extent of frontal sinus surgery. Panel discussion at the American Rhinologic Society annual meeting, September 9-10, 2017; Chicago, IL.

Marino M, Chooi L, Yao W, Luong A, **Citardi MJ**. Eustachian tube dysfunction symptoms in patients treated in a tertiary rhinology clinic. Presented at the American Rhinologic Society annual meeting, September 9-10, 2017; Chicago, IL.

Ramaswamy U, Ajami N, Petrosino J, **Citardi MJ**, Luong A, Fakhri S. Bacterial microbiome changes in chronic rhinosinusitis patients from baseline to clinical exacerbations. Presented at the American Rhinologic Society annual meeting, September 9-10, 2017; Chicago, IL.

DelGaudio J (moderator), Armstrong M, **Citardi, MJ**, Karanfilov B, Payne S and Setzen M. Would you do this in the office? Panel discussion at American Rhinologic Summer Sinus Symposium; July 14-16, 2017; Chicago, IL.

Citardi MJ (moderator), Clinger J, Folbe A, Hwang P, Sillers M, Solyar A. Personalized surgical decision making for chronic rhinosinusitis. Panel discussion at American Rhinologic Summer Sinus Symposium; July 14-16, 2017, Chicago, IL.

Dietz CJP, Luong AU, Drake RP, Corry DB, Yao WC, **Citardi MJ**. Fungal protease and generated cleavage products as an inducer of IL-33 expression in chronic rhinosinusitis with nasal polyps. Presented at the Triological Society spring meeting; April 28-29, 2017; San Diego, CA.

Marino M, Luong A, Yao W, **Citardi MJ**. Adjunctive pain and anxiety management for office-based procedures. Poster presented at the American Rhinologic Society spring meeting; April 27-28, San Diego, CA.

Marino M, Luong A, Yao W, **Citardi MJ**. Management of odontogenic cysts by endonasal endoscopic techniques: a systematic review and case series. Poster presented at the American Rhinologic Society spring meeting; April 27-28, San Diego, CA.

Clark DW, Skarada DJ, **Citardi MJ**, Vaughan W, Dubin M. Balloon dilation: opening up the data. Presented at the American Academy of Otolaryngic Allergy annual meeting; September 16-18, 2016; San Diego, CA.

Citardi MJ. Endoscopic management of inverted papilloma. Presented at the 2nd International Symposium on Navigated Sinus & Skull Base Surgery; June 11-12, 2016; Havana Cuba.

Citardi MJ. Integrated approach for frontal sinus surgery. Presented at the 2nd International Symposium on Navigated Sinus & Skull Base Surgery; June 11-12, 2016; Havana Cuba

Citardi MJ. Inverted papilloma: staging and pathogenesis. Presented at Endo Chicago (7th World Congress for Endoscopic Surgery of the Skull Base and Brain; May 15-18, 2016; Chicago, IL.

Citardi MJ (moderator). Endoscopic endonasal frontoethmoidectomy (live cadaveric dissection session). Presented at Endo Chicago (7th World Congress for Endoscopic Surgery of the Skull Base and Brain; May 15-18, 2016; Chicago, IL.

Lam K, Yao W, **Citardi MJ**. Revisiting autologous fat grafts for reconstruction of skull base defects during the endoscopic era. Poster presented at the American Rhinologic Society spring meeting; May 19-20, 2016, Chicago, IL.

Lam K, Bigcas JL, Luong A, Yao W, **Citardi MJ**. Balloon sinus ostial dilatation with microsensor navigation in the operating room setting. Poster presented at the American Rhinologic Society annual meeting; September 25-26, 2015; Dallas, TX.

Platt M, **Citardi MJ**, Fakhri S, Lanza D, Metson M. Scary cases: career-altering cases that changed the way that I practice. American Rhinologic Society annual meeting; September 25-26, 2015; Dallas, TX.

Agbetoba A, Luong A, Callejas C, **Citardi MJ**. Educational utility of advanced 3-dimensional virtual imaging in evaluating the anatomical configuration of the frontal recess. Poster presented at the American Rhinologic Society spring meeting; April 23-24, 2015; Boston, MA.

Agbetoba A, Luong A, **Citardi MJ**. Image-guided balloon dilatation of sinus ostia in the office setting. Poster presented at the American Rhinologic Society spring meeting; April 23-24, 2015; Boston, MA.

Bigcas JL, Fakhri S, **Citardi MJ**, Luong A. Pendant drop tensiometry for measuring surface tension effects of sinus rinses on rhinosinusitis mucus. Poster presented at the American Rhinologic Society spring meeting; April 23-24, 2015; Boston, MA.

Citardi MJ, Agbetoba A, Bigcas JL, Luong A. Augmented reality in endoscopic sinus surgery in a cadaveric model. Poster presented at the American Rhinologic Society spring meeting; April 23-24, 2015; Boston, MA.

Hwang P, **Citardi MJ**, Leopold D, Stankiewicz J. An insightful discussion: In hindsight, I would have handled this differently (lessons learned the hard way). American Rhinologic Society annual meeting; September 28, 2013; Vancouver, Canada.

Kain J, **Citardi MJ**, Fakhri S, Luong A. Topical colistimethate for the treatment of pseudomonal infections in the surgical sinus patient. Poster presented at the American Rhinologic Society annual meeting; September 28, 2013; Vancouver, Canada.

Man L, Farhood Z, Luong A, Fakhri S, Feldman RM, Orlander PF, Citardi MJ. The effect of intranasal fluticasone propionate irrigations on salivary cortisol, intraocular pressure and posterior subcapsular cataracts in postsurgical chronic rhinosinusitis patients. American Rhinologic Society spring meeting; April 12-13, 2013; Orlando, FL,

Citardi MJ. Surgical management of the inferior turbinate. American Rhinologic Society spring meeting; April 12-13, 2013; Orlando, FL,

Lambert E, **Citardi MJ**, Fakhri S, Luong A. Optical rhinometry in non-allergic irritant rhinitis: capsaicin challenge study. American Academy of Otolaryngic Allergy annual meeting; September 6-8, 2012; Washington, DC.

Citardi MJ. Surgical navigation: Past, present & future. American Rhinologic Society spring meeting; April 19-20, 2012; San Diego, CA.

Citardi MJ. AFRS: what are the diagnostic criteria? 5th World Congress for Endoscopic Surgery of the Brain, Skull Base & Spine combined with The First Global Update on FESS, The Sinuses & the Nose; March 29-April 1, 2012; Vienna, Austria.

Citardi MJ. Addressing the balloon controversy. 5th World Congress for Endoscopic Surgery of the Brain, Skull Base & Spine combined with The First Global Update on FESS, The Sinuses & the Nose; March 29-April 1, 2012; Vienna, Austria.

Citardi MJ. Registration in computer-aided surgery – an underestimated problem: assessing surgical navigation accuracy. 5th World Congress for Endoscopic Surgery of the Brain, Skull Base & Spine combined with The First Global Update on FESS, The Sinuses & the Nose; March 29-April 1, 2012; Vienna, Austria.

Cattano D, Gomez-Rivera F, Altamirano A, Ramaswamy U, Fakhri S, Luong A., **Citardi MJ**,. Preliminary results of a randomized trial TIVA vs inhalational anesthesia: quality of recovery. American Society of Anesthesiologists annual meeting; October 15-19, 2011; Chicago, IL.

Cattano D, Gomez-Rivera F, Altamirano A, Ramaswamy U, Fakhri S, Luong A., Larson S, **Citardi MJ**, Hagberg C. Sinus mucosal blood flow and intraoperative blood losses during endoscopic sinus surgery: randomized trial of TIVA vs inhalational anesthesia. American Society of Anesthesiologists annual meeting; October 15-19, 2011; Chicago, IL.

Cattano D, Gomez-Rivera F, Altamirano A, Ramaswamy U, Fakhri S, Luong A., Larson S, **Citardi MJ**, Hagberg C. Thromboelastograph platelet mapping™ and bleeding during endoscopic sinus surgery: randomized trial of TIVA vs inhalational anesthesia. American Society of Anesthesiologists annual meeting; October 15-19, 2011; Chicago, IL.

Gomez-Rivera F, Cattano D, Ramaswamy U, **Citardi MJ**, Fakhri S, Luong A, Man L. Effects of total intravenous anesthesia vs. inhalational anesthesia in endoscopic sinus surgery for chronic rhinosinusitis: a randomized controlled study. American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 11-14, 2011; San Francisco, CA.

Shaw JL, Ashoori F, Fakhri S, **Citardi MJ**, Luong A. Increased percentage of mast cells CRTh2+ T cells within sinonasal mucosa of chronic rhinosinusitis with nasal polyps independent of atopy. American Rhinologic Society annual meeting; September 10, 2011; San Francisco, CA.

Agarwal G, Hernandez D, **Citardi MJ**, Fakhri S, Luong A. Nasal provocation testing unable to identify fungi-sensitive patients with either acoustic rhinometry or optical rhinometry. American Academy of Otolaryngic Allergy annual meeting; September 9-10, 2011; San Francisco, CA.

Gelfand Y, Fakhri S, Luong A, Isaacs SJ, **Citardi MJ**. A comparative study of the distribution of normal saline delivered via large particle nebulizer vs. large volume/low pressure squeeze bottle. American Rhinologic Society annual meeting; September 25, 2010; Boston, MA.

Herrera S, Isaacs SJ, Luong A, **Citardi MJ** Fakhri S. Assessment of frontal recess fracture patterns using triplanar CT images. American Rhinologic Society annual meeting; September 25, 2010; Boston, MA.

Isaacs SJ, Fakhri S, Luong A, **Citardi MJ**. A meta analysis of topical amphotericin B for the treatment of chronic rhinosinusitis. American Rhinologic Society annual meeting; September 25, 2010; Boston, MA.

Alava I, Fakhri S, **Citardi MJ**, Luong A. Mometasone furoate gel: a novel in-office treatment of recalcitrant postoperative chronic rhinosinusitis. American Rhinologic Society spring meeting; April 29, 2010; Las Vegas, NV.

Clark D, Fakhri S, **Citardi MJ**, Luong A. Chronic rhinosinusitis with nasal polyps: elevated serum IgE is associated with *Staphylococcus aureus* on culture. American Rhinologic Society spring meeting; April 29, 2010; Las Vegas, NV.

Isaacs SJ, Fakhri S, Luong A, **Citardi MJ**. Rhinologic applications of radiofrequency coblation. Poster presented at the American Rhinologic Society spring meeting; April 29, 2010; Las Vegas, NV.

Clark D, Luong A, **Citardi MJ**, Fakhri S. Increased prevalence of *Staphylococcus aureus* in allergic fungal rhinosinusitis (AFRS) vs. other subsets of chronic rhinosinusitis with nasal polyps. American Rhinologic Society annual meeting; October 3, 2009; San Diego, CA.

Isaacs, Luong A, Fakhri S, **Citardi MJ**. Effect of dilute baby shampoo on nasal mucociliary clearance in healthy subjects. American Rhinologic Society annual meeting; October 3, 2009; San Diego, CA.

Cheung E, **Citardi MJ**, Fakhri S, Luong A. Comparison of optical rhinometry to acoustic rhinometry using nasal provocation testing *Dermatophagoides farinae*. American Academy of Otolaryngic Allergy annual meeting; October 1-2, 2009; San Diego, CA.

Luong A, Fakhri S, Cheung E, **Citardi MJ**, Batra PS. Validation of optical rhinometry using nasal provocation testing in allergic and nonallergic subjects. American Academy of Otolaryngic Allergy annual meeting; October 1-2, 2009; San Diego, CA.

Citardi MJ. Intraoperative imaging in rhinology. Rhinology World 2009; April 15-19, 2009; Philadelphia, PA.

Citardi MJ. Computer modeling in rhinology (moderator). Rhinology World 2009; April 15-19, 2009; Philadelphia, PA.

Citardi MJ. Expert's How I do it: Management of epistaxis. Rhinology World 2009; April 15-19, 2009; Philadelphia, PA.

Luong A, Fakhri S, Cheung E, **Citardi MJ**, Batra PS. Validation of optical rhinometry using nasal provocation testing in allergic and nonallergic subjects. Rhinology World 2009; April 15-19, 2009; Philadelphia, PA.

Solares CA, Luong A, **Citardi MJ**, Batra PS. Endoscopic management for sphenoclivial neoplasms: anatomic correlates and patient outcomes. Rhinology World 2009; April 15-19, 2009; Philadelphia, PA.

Citardi MJ. Avoiding bad results in sinus surgery. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paulo, Brazil.

Citardi MJ. Balloon catheter dilation of paranasal sinus ostia. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paulo, Brazil.

Citardi MJ. Contemporary endoscopic management of inverted papilloma. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paulo, Brazil.

Citardi MJ. Decision making in frontal sinus surgery. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paulo, Brazil.

Citardi MJ. Endoscopic management of anterior skull base neoplasia. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paolo, Brazil.

Citardi MJ. Surgical treatment of rhinitis: the role for surgery. Brazilian Academy of Rhinology annual meeting; October 3-4, 2008; Sao Paolo, Brazil.

Clark D, **Citardi MJ**, Fakhri S. Endoscopic management of skull base defects associated with persistent or expanding pneumocephalus after previous neurosurgical repair. Poster presented at the 2008 American Rhinologic Society Annual Meeting; September 20, 2008; Chicago, IL.

Luong A, **Citardi MJ**, Batra PS. Management of sinonasal malignant neoplasms: defining the role of endoscopy. Presented at the 2008 American Rhinologic Society Annual Meeting; September 20, 2008; Chicago, IL.

Roh HJ, Yoon BN, Batra PS, **Citardi MJ**. Frontal sinus inverted papilloma: surgical strategy based on the site of attachment. Presented at the 2008 American Rhinologic Society Annual Meeting; September 20, 2008; Chicago, IL.

Lamarre ED, Scharpf J, Batra PS, Lorenz RR, **Citardi MJ**, Adelstein DJ, Saxton J. Role of 18-FDG PET in the management of sinonasal neoplasms. Presented at the 2008 American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting; September 21-24, 2008; Chicago, IL.

Alldrege JW, Batra PS, **Citardi MJ**, Lanza DC. Endoscopic resection of sinonasal mucosal melanoma. Poster presented at the American Rhinology Society spring meeting; May 1-2, 2008; Orlando, FL.

Batra PS, Kanowitz SJ, **Citardi MJ**. Clinical utility of intraoperative volume CT scanner for endoscopic sinonasal and skull base procedures. Presented at the American Rhinology Society spring meeting; May 1-2, 2008; Orlando, FL.

Luong A, Batra PS, Fakhri S, **Citardi MJ**. Balloon catheter dilatation for frontal ostium stenosis in the office setting. Presented at the American Rhinology Society spring meeting; May 1-2, 2008; Orlando, FL.

Citardi MJ. Balloon catheter applications in sinus surgery. Sociedad de Otorrinlaringologia y Audiologia del Centro Mexico Nacional annual meeting; January 26, 2008; Queretero, Mexico.

Citardi MJ. Endoscopic management of anterior skull base neoplasia. Sociedad de Otorrinlaringologia y Audiologia del Centro Mexico Nacional annual meeting; January 26, 2008; Queretero, Mexico.

Citardi MJ. Endoscopic management of inverted papilloma. Sociedad de Otorrinlaringologia y Audiologia del Centro Mexico Nacional annual meeting; January 26, 2008; Queretero, Mexico.

Citardi MJ. Postoperative care after sinus surgery. Sociedad de Otorrinlaringologia y Audiologia del Centro Mexico Nacional annual meeting; January 26, 2008; Queretero, Mexico.

Cannady SB, Batra PS, Leahy R, **Citardi MJ**, Comhair S, Bodine M, Hazen SL, Erzurum SC. Oxidative damage in nasal polyposis. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Zafereo ME, Fakhri S, Prayson R, Batra PS, Lee JH, Lanza DC, **Citardi MJ**. Esthesioneuroblastoma: 25 years at a single institution. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Haydon R, Palmer J, **Citardi MJ**, Fornadley J, Brown R. The Unified Airway: Medical Management. Panel at the joint session of the American Rhinologic Society and the American Academy of Otolaryngic Allergy, September 17, 2007, Washington, DC.

Kanowitz SJ, Batra PS, **Citardi MJ**. Minimally invasive management of patients with persistent or recurrent signs and symptoms after frontal sinus obliteration. Presented at the American Rhinology Society annual meeting; September 15, 2007; Washington, DC.

Batra PS, Yappel-Sinkko K, Bena J, Leong JL, **Citardi MJ**, Lanza DC. Prospective analysis of epicutaneous testing for inhalant allergy: comparison of arm and back studies with mRAST. *Otolaryngology-Head and Neck Surgery*. Presented at the the American Academy of Otolaryngic Allergy, September 14-17, 2007, Washington, DC.

- Batra PS, Sautter NB, Cannady SB, **Citardi MJ**, Roh HJ. Comparison of open vs. endoscopic resection of inverted papilloma. Presented at the North American Skull Base Society Annual Meeting, May 24-28, 2007; Chicago, IL.
- Batra PS, **Citardi MJ**. Patient Advocacy Committee CT Imaging Survey. Presented at the American Rhinology Society spring meeting; April 26-27, 2007; San Diego, CA.
- Citardi MJ**, Kanowitz S. Cadaveric model for balloon-assisted endoscopic paranasal sinus dissection without fluoroscopy. Presented at the American Rhinology Society spring meeting; April 26-27, 2007; San Diego, CA.
- Kanowitz S, Batra PS, **Citardi MJ**. Topical budesonide via mucosal atomization device in refractory postoperative chronic rhinosinusitis. Poster presented at the American Rhinology Society spring meeting; April 26-27, 2007; San Diego, CA.
- Kim JK, Yoon JK, **Citardi MJ**, Batra PS, Roh HJ. The prevalence of human papilloma virus infection in sinonasal inverted papilloma specimens classified by histological grade. Presented at the American Rhinology Society spring meeting; April 26-27, 2007; San Diego, CA.
- Cannady SB, Batra PS, Sautter NB, Roh HJ **Citardi MJ**, Lanza DC. New staging system for sinonasal inverted papilloma in the endoscopic era. Presented at the Triological Society Combined Meetings; February 15-18, 2007; Marco Island, FL.
- Chung BJ, Batra PS, **Citardi MJ**, Lanza DC. Endoscopic septoplasty: revisitation of the technique, indications, and outcomes. Presented at the American Rhinology Society annual meeting; September 16, 2006; Toronto, CA.
- Sautter N, Batra PS, **Citardi MJ**. Endoscopic management of sphenoid CSF leaks. Poster presented at the American Rhinology Society annual meeting; September 16, 2006; Toronto, CA.
- Citardi MJ**. Image-guided sinus surgery: current concepts and technology. Presented at the First Joint Meeting of the German Society of Oto-Rhino-Laryngology and the American Academy of Otolaryngology-Head & Neck Surgery; May 25-26, 2006; Mannheim, Germany.
- Solares CA, Batra PS, **Citardi MJ**. The lateral lamella of the cribriform plate: software-enabled computed tomography analysis and its clinical relevance in skull base surgery. Presented at the Triologic Society annual meeting; May 21-22, 2006; Chicago, IL.
- Cannady S, **Citardi MJ**, Hoffman G, Batra PS. Sinonasal Wegener's granulomatosis: a single institution experience of 120 cases. Presented at the American Rhinology Society spring meeting; May 19-20, 2006; Chicago, IL.
- Sautter N, Batra PS, Cannady SC, **Citardi MJ**. Comparison of open vs. endoscopic resection of inverted papilloma. Presented at the American Rhinology Society spring meeting; May 19-20, 2006; Chicago, IL.
- Batra PS, Shipchandler TZ, **Citardi MJ**, Lanza DC. Outcomes for endoscopic resection of sinonasal squamous cell carcinoma. Presented at the North American Skull Base Society Annual Meeting, February 16-19, 2006; Phoenix, AZ.
- Citardi MJ**, Batra PS. Reconstruction of the skull base defects after minimally invasive endoscopic resection of anterior skull base neoplasms. Presented at the North American Skull Base Society Annual Meeting, February 16-19, 2006; Phoenix, AZ.
- Citardi MJ**, Batra PS. Imaging of the internal carotid artery and adjacent skull base with three-dimensional CT angiography for preoperative planning and intraoperative surgical navigation. Presented at the North American Skull Base Society Annual Meeting, February 16-19, 2006; Phoenix, AZ.
- Citardi MJ**, Batra PS. CT-MR fusion for the management of skull base lesions. Presented at the North American Skull Base Society Annual Meeting, February 16-19, 2006; Phoenix, AZ.
- Citardi MJ**. Navigational devices in endoscopic sinus surgery. Plenary session presentation at the International Rhinologic Society meeting; October 26-28, 2005; Sydney, Australia.

Knott PD, Batra PS **Citardi MJ**. Contour-based & paired-point registration in a model for image-guided surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Leong JL, , Batra PS, **Citardi MJ**. CT-MR image fusion for the management of skull base lesions. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Leong JL, **Citardi MJ**, Batra PS. Reconstruction of skull base defects after minimally invasive endoscopic resection of the anterior skull base neoplasms. Presented at the American Rhinology Society annual meeting; September 24, 2005; Los Angeles, CA.

Kuhn FA, **Citardi MJ**, Karanfilov B, Schlosser B. Frontal Sinus Panel. Presented at the American Rhinology Society spring meeting; May 13-14, 2005; Boca Raton, FL.

Leong JL, Batra PS, **Citardi MJ**. Imaging of the internal carotid artery and adjacent skull base with three-dimensional CT angiography for preoperative planning and intraoperative surgical navigation. Poster presented at the American Rhinology Society spring meeting; May 13-14, 2005; Boca Raton, FL. (ARS Poster Award Recipient)

Batra PS, **Citardi MJ**. Resection of anterior skull base tumors: comparison of combined endoscopic and traditional techniques. Presented at the North American Skull Base Society annual meeting; April 8-10, 2005, Toronto, Canada.

Solares CA, Netterville JL, **Citardi MJ**, Batra PS, Lorenz RR. The vidian nerve: computer-based CT scan measurements and clinical utility as an anatomic guide in skull base surgery. Presented at the North American Skull Base Society annual meeting; April 8-10, 2005, Toronto, Canada.

Friedman AD, Batra PS, Fakhri S, **Citardi MJ**, Lanza DC. Isolated sphenoid sinus disease: etiology and management. Poster presented at the 2004 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 19-22, 2004; New York, NY.

Rizzi M, Batra PS, Prayson R, **Citardi MJ**. Nasal histoplasmosis: an usual cause of an aggressive nasal lesion. Poster presented at the 2004 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 19-22, 2004; New York, NY.

Akst LM, Batra PS, **Citardi MJ**, Lanza DC. Chronic invasive fungal rhinosinusitis in immunocompetent patients. Poster presented at the American Rhinologic Society annual meeting; September 18-20, 2004, New York, NY

Batra PS, **Citardi MJ**, Lanza DC. Combined endoscopic trephination and endoscopic frontal sinusotomy for the management of complex frontal sinus pathology. Presented at the American Rhinologic Society annual meeting; September 18-20, 2004, New York, NY

Cannady SB, Batra PS, **Citardi MJ**, Lanza DC. "Vertex-to-floor" position delivers topical nasal drops to the olfactory cleft after FESS. Poster presented at the American Rhinologic Society annual meeting; September 18-20, 2004, New York, NY

Citardi MJ, Song W, Batra PS, Lanza DC, Hazen SH. Tissue damage induced by eosinophil peroxidase in patients with chronic rhinosinusitis and sinonasal polyposis. Presented at the American Rhinologic Society spring meeting; April 30-May 1, 2004, Phoenix, AZ.

Fakhri S, **Citardi MJ**, Wolfe S, Batra PS, Lanza DC. Challenges in the management of sphenoid inverted papilloma. Presented at the American Rhinologic Society spring meeting; April 30-May 1, 2004, Phoenix, AZ.

Solares CA, Batra PS, Hall GS, **Citardi MJ**. Treatment of chronic rhinosinusitis exacerbations due to methicillin-resistant *Staphylococcus aureus* with mupirocin irrigations. Presented at the American Rhinologic Society spring meeting; April 30-May 1, 2004, Phoenix, AZ.

Batra PS, Roh HJ, **Citardi MJ**, Lee J, Bolger WE, Lanza DC. Endoscopic resection of malignancies: a preliminary report. Presented at the North American Skull Base Society annual meeting; February 16, 2004, New Orleans, LA.

Citardi MJ. Singapore Ministry of Health Visiting Expert (Endoscopic frontal sinusotomy & endoscopic trephination, Frontal sinus rescue procedure, Osteoplastic frontal sinus surgery, The

future of rhinologic surgery, Endoscopic management of sinonasal neoplasia, Sinonasal polyposis, Endoscopic management of epistaxis, Rhinosinusitis medical treatment, Contemporary concepts in frontal sinus surgery, Endoscopic hypophysectomy, Demystifying the sphenoid sinus), February 3-13, 2004, Singapore.

Citardi MJ. The future of rhinologic surgery: from image-guided surgery to robotic surgery and telesurgery (plenary lecture). Presented at the 22nd International Symposium on Infection and Allergy in the Nose (ISIAN), 10th Congress of the International Rhinologic Society and 26th Congress of the Korean Rhinologic Society; October 23-26, 2003; Seoul, Korea.

Citardi MJ. Contemporary concepts in frontal sinusitis. Presented at Pusan National University Department of Otolaryngology Grand Rounds; October 20, 2003; Busan, Korea.

Batra PS, **Citardi MJ**, Gallivan RP, Roh HJ, Lanza DC. Software-enabled CT analysis of optic nerve position and sphenoid sinus pneumatization patterns. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Knott, PD, Mauer CR, Gallivan RP, Roh, HJ, **Citardi MJ.** The impact of fiducial distribution on headset-based registration in image-guided sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Lee WT, Kuhn FA, **Citardi MJ.** 3D CT analysis of frontal recess anatomy in patients without frontal sinusitis. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Batra PS, **Citardi MJ**, Lanza DC. Comparison of traditional craniofacial resection and minimally invasive endoscopic resection of anterior skull base neoplasms. Presented at the American Rhinologic Society annual meeting; September 20, 2003; Orlando, FL.

Batra PS, **Citardi MJ**, Lanza DC. Isolated sphenoid sinusitis after pituitary surgery. Poster presented at the American Rhinologic Society annual meeting; September 20, 2003; Orlando, FL.

Rizzi M, Batra PS, **Citardi MJ**, Lanza DC. An assessment of the presence of bacterial contamination of Venturi principle atomizers in a clinical setting. Poster presented at the American Rhinologic Society annual meeting; September 20, 2003; Orlando, FL.

Batra PS, **Citardi MJ**, Gallivan RP, Maurer CR, Rohfling R, Roh HJ, Lanza DC. Quantitative computer-aided CT analysis of sphenoid sinus anatomical relationships. Presented at the American Rhinologic Society spring meeting; May 2-3, 2003; Nashville, TN.

Batra PS, **Citardi MJ**, Gallivan RP, Roh HJ, Lanza DC. Software-enabled CT analysis of carotid artery position and sphenoid sinus pneumatization patterns. Poster presented at the American Rhinologic Society spring meeting; May 2-3, 2003; Nashville, TN.

Citardi MJ. Future directions in computer-assisted surgery. Presented at Controversies & Developments in Computer-Aided Surgery panel (Fried MP, Chow JM, **Citardi MJ**, Sillers MJ) during the American Rhinologic Society annual meeting; September 21, 2002; San Diego, CA.

Roh HJ, Procop G, **Citardi MJ**, Lanza DC. Inflammation and the pathogenesis of inverted papilloma. Presented at the American Rhinologic Society annual meeting; September 21, 2002; San Diego, CA.

Roh HJ, Bolger W, **Citardi MJ**, Lanza DC. Endoscopic resection of sinonasal malignancies: a preliminary report. Presented at the American Rhinologic Society annual meeting; September 21; San Diego, CA.

Lorenz R, Dean R, Chuang J, **Citardi MJ.** Acellular dermal allograft for minimally invasive anterior and middle cranial fossa reconstruction. Presented at the North American Skull Base Society annual meeting (Skull Base Surgery 2002); February 16-19, 2002; San Diego, CA.

Citardi MJ. Principles of registration. Presented at Integration of Computer-Aided Surgery into ESS panel (Toffel P, **Citardi MJ**, Fried M, Sillers MJ, Vaughan W) during the American Rhinologic Society spring meeting; May 13-15, 2001; Palm Desert, CA.

Hurley DH, **Citardi MJ**. Endoscopic repair of anterior cranial skull base defects with acellular dermal allograft. Presented at the American Rhinologic Society spring meeting; May 13-15, 2001; Palm Desert, CA.

Hardeman S, Kokoska MS, Bucholz R, **Citardi MJ**. Computer-based CT scan analysis of craniomaxillofacial relationships. Presented at the American Academy of Otolaryngology-Head and Neck Surgery meeting, September 24-27, 2000, Washington, DC.

Citardi MJ. CBYON SAVANT (initial impressions and experiences). Presented at The Nose 2000... And Beyond, September 20-23, 2000, Washington, DC.

Citardi MJ. Report of a new, passive, optical surgical navigation system for endoscopic sinus surgery. Presented at The Nose 2000... And Beyond, September 20-23, 2000, Washington, DC.

Herrmann, B, Vogler G, Smith G, Javer A, Kuhn FA, **Citardi MJ**. The effects of paclitaxel-impregnated stents on sheep nasal mucosa. Presented at The Nose 2000...And Beyond, September 20-23, 2000, Washington, DC.

Glicklich R, **Citardi MJ**. Internet-based medicine. The Nose 2000... And Beyond, September 20-23, 2000, Washington, DC.

Kokoska MS, Hardeman S, Bucholz R, McNeal W, Cooper M, **Citardi MJ**. Computer-aided sequential reduction of frontozygomaticomaxillary fractures. Presented at the American Academy of Facial Plastic and Reconstructive Surgery spring meeting, May 13, 2000; Orlando, FL.

Citardi MJ, Herrmann B, Stack B, Cooper M, MacNeil W, Bucholz R. Comparison of scientific calipers and computer-enabled CT review for the measurement of skull base dimensions. Presented at the North American Skull Base Society annual meeting (Skull Base Surgery 2000); March 17-20, 2000; Scottsdale, AZ.

Currens J, **Citardi MJ**, Slavin R. Primary paranasal aspergillus granuloma (PPAB): the first endemic case in the U.S. Poster presented at American Academy of Allergy, Asthma And Immunology annual meeting, March 5-7, 2000; San Diego, CA.

Hardeman S, **Citardi MJ**, Stack BS, Kokoska M. Computer-aided reduction of zygomatic fractures. Presented at the American Academy of Facial Plastic and Reconstructive Surgery meeting; September 22-24, 1999; New Orleans, LA.

Hurley D, **Citardi MJ**, Vogler G, Smith G. Leukotriene B4 levels in acute *Streptococcus Pneumoniae* maxillary sinusitis in a rabbit model. Presented at the American Rhinologic Society annual meeting; September 25, 1999; New Orleans, LA

Olson G, **Citardi MJ**. Image-guided functional endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 1999; New Orleans, LA.

Citardi MJ. New frontiers in image-guided surgery: registration techniques. Presented at Computer-Assisted Sinus Surgery panel (Jacobs J, Carrau R, **Citardi MJ**, Gopal H, Sillers MJ) during the American Rhinologic Society spring meeting; April 25-26, 1999; Palm Desert, CA.

Fadhli OA, **Citardi MJ**. Minimally invasive endoscopic treatment of massive fungal sinusitis. Presented at the American Rhinologic Society spring meeting; April 25-26, 1999; Palm Desert, CA.

Hurley DH, **Citardi MJ**, Javer A, Kuhn FA. Endoscopic treatment of chronic frontal sinusitis associated with frontal sinus posterior table erosion. Presented at the American Rhinologic Society spring meeting; April 25-26, 1999; Palm Desert, CA.

Citardi MJ. New frontiers in image-guided surgery. Presented at the Xomed ENT Study Group meeting; October 1-3, 1998; Paris, TN.

Cox AJ, **Citardi MJ**, Bucholz R. Acellular dermal allograft for sellar reconstruction after transphenoidal hypophysectomy. Presented at the American Rhinologic Society annual meeting; September 12, 1998; San Antonio, TX.

Vaughan W, Citardi MJ, Kuhn F. Surgical navigation in pituitary surgery. Presented at the joint meeting of the European Rhinologic Society and the International Symposium on Infection and Allergy in the Nose (ISIAN); July 28-August 1, 1998; Vienna, Austria

Citardi MJ. Endoscopic frontal sinusotomy with endoscopic trephination. The frontal sinus rescue procedure. Presented at An Integrated Approach to Chronic Frontal Sinusitis panel (Kuhn FA, **Citardi MJ**, Gross CW, Lanza DC, Sillers MJ) during the American Rhinologic Society annual meeting; September 6, 1997; San Francisco, CA.

Anand VJ, Kuhn FA, Namdar I, **Citardi MJ.** Value of image-guided technology in endoscopic surgery of paranasal sinuses and anterior skull base. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 7-10, 1997; San Francisco, CA.

Citardi MJ. The frontal sinus rescue procedure. Presented at the Frontal Sinus Disease workshop (Bolger W, Kuhn FA, Anand V), during The Cottle International Rhinology Centennial & the XVIth International Symposium on Infection and Allergy of the Nose (ISIAN); June 5-8, 1997; Philadelphia, PA.

Citardi MJ, Kuhn FA. Image-guided endoscopic transsphenoidal approach to the middle cranial fossa and skull base. Presented at The Cottle International Rhinology Centennial & the XVIth International Symposium on Infection and Allergy of the Nose (ISIAN); June 5-8, 1997; Philadelphia, PA.

Citardi MJ, Kuhn FA. Endoscopically guided frontal sinus beclomethasone installation for refractory frontal sinus/recess polyposis. Presented at The Cottle International Rhinology Centennial & the XVIth International Symposium on Infection and Allergy of the Nose (ISIAN); June 5-8, 1997; Philadelphia, PA.

Citardi MJ, Kuhn FA. Endoscopic frontal sinusotomy with mucoperiosteal flap advancement: The frontal sinus rescue procedure. Presented at the American Rhinologic Society meeting; May 11-12, 1997; Scottsdale, AZ.

Abrahams JJ, Walker A, **Citardi MJ**, Chaloupka JC, Sasaki CT. Trans-thyroid cartilage CT-guided needle biopsy of the vocal cords. Presented at the American Society of Head and Neck Radiology annual meeting; April 24-28, 1996; Los Angeles, CA.

Abrahams JJ, **Citardi MJ**, Flynn S, Sasaki CT. Efficacy of transcutaneous CT-guided fine needle aspiration biopsy in-patients with laryngeal squamous cell carcinoma, probable failed radiation therapy and negative transmucosal biopsies. Presented at The American Laryngological, Rhinological and Otolological Society Eastern Section meeting; January 25-27, 1996; Philadelphia, PA.

Putnam CM, Chaloupka JC, **Citardi MJ**, Sasaki CT, Awad IA. An evolving multidisciplinary approach to the diagnosis and management of carotid blowout syndrome in head and neck surgical patients. Presented at the Fourth International Workshop on Cerebrovascular Surgery; June 11-14, 1995; Chicago, IL.

Citardi MJ, Vining EM. Endoscopic transnasal sphenopalatine artery ligation for control of profuse epistaxis. Presented at the American Rhinologic Society meeting; April 30-May 1, 1995; Palm Desert, CA.

Citardi MJ, Estil J, Yanagisawa E. Videoendoscopic analysis of laryngeal function during laughter. Video presented at the American Broncho-Esophagological Association annual meeting; May 2-4, 1995; Palm Desert, CA.

Tarro J, Ross DA, **Citardi MJ**, Sasaki CT. Microsurgical free flap reconstruction outcomes in head and neck cancer patients following surgical extirpation and iodine-125 intraoperative brachytherapy. Presented at the American Society for Head and Neck Surgery meeting; April 29-May 2, 1995; Palm Desert, CA.

Citardi MJ, Sasaki CT, Ariyan S, Son Y. Management of carotid artery rupture by monitored endovascular occlusion (1988-1994). Presented at The American Laryngological, Rhinological and Otolological Society Eastern Section meeting; January 26-28, 1995; Pittsburgh, PA.

Yanagisawa E, **Citardi MJ.** Video documentation of endoscopic sinus surgery. Video presented at the 1994 Annual Clinical Congress of the American College of Surgeons; October 9-14, 1994; Chicago, IL.

Yanagisawa E, **Citardi MJ**. Telescopic nasal endoscopic documentation in the office and the operating room. Video presented at Current Trends, Controversies and Perspectives in Rhinology and Sinus Surgery (An International Symposium); April 14-16, 1994; New York, NY.

PRESENTATIONS AT LOCAL AND REGIONAL SCIENTIFIC/MEDICAL MEETINGS

Citardi MJ. Surgical navigation: Past, present & future. Yale University, School of Medicine, Section of Otolaryngology Grand Rounds; November 22, 2019; New Haven, CT.

Citardi MJ. Surgical navigation: Past, present & future. University of Maryland Department of Otolaryngology Blanchard/Kleiman Commemorative Lecture; June 16, 2019; Baltimore, MD.

Citardi MJ. Surgical navigation: Past, present & future. University of Texas Health Science Center at Houston, McGovern Medical School, Department of Otorhinolaryngology Grand Rounds; June 15, 2019; Houston, TX.

Citardi MJ. Exploring the limits of office rhinology procedures. Eastern Virginia Medical School Department of Otolaryngology Grand Rounds; January 15, 2019; Norfolk, VA.

Citardi MJ. Endoscopic management of epistaxis. Eastern Virginia Medical School Department of Otolaryngology teaching conference; January 15, 2019; Norfolk, VA.

Citardi MJ. Surgical navigation: Past, present & future. University of Kansas Medical Center Department of Otolaryngology Grand Rounds; March 19, 2018; Kansas City, KS.

Citardi MJ. Nasal endoscopy: 2013 and beyond. Connecticut Ear, Nose & Throat Society annual meeting and Yanagisawa Festschrift; May 30, 2013; Plantsville, CT.

Citardi MJ. Surgical navigation 2012. Connecticut Ear, Nose & Throat Society annual meeting; November 15, 2012; Plantsville, CT.

Citardi MJ, Vining E, Manes P, Brown S. Practical Rhinology Lessons (panel discussion). Connecticut Ear, Nose & Throat Society annual meeting; November 15, 2012; Plantsville, CT.

Citardi MJ. Minimally invasive skull base surgery. Yale University Department of Surgery. November 14, 2012; New Haven, CT

Citardi MJ. Comprehensive management of allergic fungal rhinosinusitis. Connecticut State Chest Conference. November 14, 2012; New Haven, CT

Batra PS, **Citardi MJ**, Clark D, Maeso Patricia. Challenges and controversies in the management of chronic rhinosinusitis. Texas Association of Otolaryngology annual meeting; May 18-19, 2012; Dallas, TX.

Citardi MJ. The integrated approach for frontal sinus surgery. Presented at the Medical College of Georgia Department of Otolaryngology Grand Rounds; November 2, 2010; August, GA.

Fakhri S, Luong A, **Citardi MJ**. Evaluation & management of the difficult post-ESS patient. Presented at the Texas Association of Otolaryngology meeting, April 30-May 1, 2010; Ft. Worth, TX.

Citardi MJ. Balloon catheter applications in paranasal sinuses. Presented at the Dallas Academy of Otolaryngology meeting, February 25, 2010; Dallas, TX.

Citardi MJ, Fakhri S, Luong A. Allergic Fungal Rhinosinusitis. Presented at the Texas Association of Otolaryngology meeting, May 1-2, 2009; Austin, TX.

Citardi MJ. Endoscopic management of CSF Rhinorrhea and Decision-making in chronic rhinosinusitis. Presented at the Combined Arkansas-Missouri Otolaryngology Fall Meeting, October 12-14, 2007; Ridgedale, MO.

Citardi MJ. Boies Lectureship (Endoscopic management of anterior skull base neoplasia, integrated approach for frontal sinus surgery). Presented at the University of Minnesota, Department of Otolaryngology, December 4-5, 2006; Minneapolis, MN.

Citardi MJ. Endoscopic management of anterior skull base neoplasia. Presented at the Johns Hopkins University, School of Medicine, Department of Otolaryngology-Head & Neck Surgery, grand rounds, November 13, 2006; Baltimore, MD.

Citardi MJ. Integrated approach for frontal sinus surgery. Presented at the University of Texas at Houston Health Science Center School of Medicine, Department of Otolaryngology-Head & Neck Surgery, grand rounds, November 2, 2006; Houston, TX.

Citardi MJ. Endoscopic management of CSF rhinorrhea. Presented at the Duke University School of Medicine, Division of Otolaryngology grand rounds; March 8, 2006; Durham, NC.

Sautter NS, **Citardi MJ**, Batra PS. Endoscopic resection of frontal sinus inverted papilloma. Presented at the Triological Society Middle/Western Section Meeting, February 2-5, 2006; San Diego, CA.

Solares CA, **Citardi MJ**, Batra PS. Management of frontal sinus mucoceles with posterior table erosion in pretransplant cystic fibrosis patients. Presented at the Triological Society Middle/Western Section Meeting, February 2-5, 2006; San Diego, CA.

Batra PS, Shipchandler TZ, **Citardi MJ**, Lanza DC. Outcomes for endoscopic resection of sinonasal squamous cell carcinoma. Presented at the Triological Society Southern Section Meeting, January 14-15, 2005; Miami, FL.

Cannady SB, Batra PS, **Citardi MJ**, Lanza DC. 'Vertex-to-floor' head position delivers topical nasal drops to the olfactory cleft in normal volunteers. Poster presented at the Triological Society Southern Section Meeting, January 14-15, 2005; Miami, FL.

Citardi MJ. Rhinosinusitis update. Presented at the Dutchess County Medical Society meeting (Otolaryngology Insights 2004: Practical Pearls for the Primary Care Physician and the Referring Specialist); October 23, 2004; Hyde Park, NY.

Citardi MJ. Contemporary concepts in frontal sinusitis. Presented at the Memphis Society of Otolaryngology-Head and Neck Surgery meeting; August 27, 2003; Memphis, TN.

Weisberger EC, **Citardi MJ**, Ponikau J, Sherris D, Stankiewicz JA, Yekinni A. Fungal sinusitis panel. Presented at the Triological Society Middle Section Meeting, January 18-19, 2003, Indianapolis, IN.

Citardi MJ. Rhinosinusitis update. Presented at the Cleveland Clinic Foundation Department of Medicine Grand Rounds; November 20, 2002; Cleveland, OH.

Citardi MJ. The otorhinolaryngology perspective on computer-aided surgery. Presented at the Cleveland Clinic Foundation Department of Neurosurgery Grand Rounds; September 30, 2002; Cleveland, OH.

Citardi MJ. Image-guided functional endoscopic sinus surgery. Presented at the Beaumont Hospital Division of Otolaryngology Staff Meeting; May 22, 2002; West Bloomfield Hills, MI.

Citardi MJ. Image-guided functional endoscopic sinus surgery. Presented at the Oklahoma Academy of Otolaryngology annual meeting; May 4, 2002; Branson, MO.

Citardi MJ. Minimally invasive management of sinonasal neoplasia. Presented at the Cleveland Clinic Foundation Taussig Cancer Center Research Conference; February 15, 2002; Cleveland, OH.

Citardi MJ. An integrated approach for frontal sinus surgery. Presented at the Central Pennsylvania State Otolaryngology Society quarterly meeting; January 15, 2002; Harrisburg, PA.

Citardi MJ. Bad results in sinus surgery. Presented at Penn State University School of Medicine Division of Otolaryngology visiting professor program; January 15, 2002; Harrisburg, PA.

Citardi MJ. Image-guided functional endoscopic sinus surgery. Presented at the Missouri Society of Otolaryngology fall meeting; October 21, 2000; St. Louis, MO

Citardi MJ. Computer-aided otorhinolaryngology-head and neck surgery. Presented at Departmental Grand Rounds, Cleveland Clinic Foundation Department of Otolaryngology-Head and Neck Surgery; June 19, 2000; Cleveland, OH.

Bowen D, **Citardi MJ.** Chronic rhinosinusitis: correlations with associated clinical disorders. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 3, 2000; St. Louis, MO.

Currens J, **Citardi MJ**, Slavin RS. Primary paranasal aspergilloma of the Sudan: first endemic case in the U.S. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 3, 2000; St. Louis, MO.

Hardeman S, **Citardi MJ**, Kokoska MS. Computer-aided reduction of zygomatic fractures. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 3, 2000; St. Louis, MO.

Herrmann B, Vogler GG, Gardner L, Smith GS, Javer A, Kuhn FA, **Citardi MJ**. The effect of paclitaxel-impregnated stents on nasal mucosa in a sheep model. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 3, 2000; St. Louis, MO.

Hurley D, Smith GS, Vogler GG, Depsonde S, **Citardi MJ**. Leukotriene levels in acute maxillary sinusitis in a rabbit model. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 3, 2000; St. Louis, MO.

Citardi MJ. Sinusitis: insights into treatment and research. Presented at Philippine Medical Association of Greater St. Louis; May 7, 2000; Frontenac, MO.

Citardi MJ. New frontiers in computer-aided otolaryngology-head and neck surgery. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; March 1, 2000; St. Louis, MO.

Citardi MJ. Malignant hyperthermia. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; November 10, 1999; St. Louis, MO.

Citardi MJ. The leukotriene pathway in sinonasal polyposis. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; June 16, 1999; St. Louis, MO.

Citardi MJ. Fungal sinusitis. Presented at Divisional Grand Rounds, Saint Louis University Department of Medicine, Division of Allergy & Immunology; June 8, 1999; St. Louis, MO.

Bowen D, **Citardi MJ**. The microbiology of post-operative acute exacerbations of chronic rhinosinusitis. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 5, 1999; St. Louis, MO.

Fadhli OA, **Citardi MJ**. Minimally invasive endoscopic treatment of massive fungal sinusitis. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 5, 1999; St. Louis, MO.

Hardeman S, Kokoska M, **Citardi MJ**, Bucholz R. Computer-based image analysis of craniomaxillofacial relationships. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 5, 1999; St. Louis, MO.

Herrmann, B, **Citardi MJ**, Stack B, Cooper P, Bucholz R. An evaluation of anatomic measurements using the Stealth surgical navigation system and conventional measurements of the cranial base. Presented at St. Louis University William B. Harkins, M.D. Resident Research Forum; June 5, 1999; St. Louis, MO.

Hurley DH, **Citardi MJ**, Javer A, Kuhn FA. Endoscopic treatment of chronic frontal sinusitis associated with frontal sinus posterior table erosion. Presented William B. Harkins, M.D. Resident Research Forum; June 5, 1999; Saint Louis University, St. Louis, MO.

Citardi MJ. Endoscopic frontal sinusotomy and endoscopic trephination. Presented University of Oklahoma Health Sciences Center Department of Otolaryngology Grand Rounds; March 10, 1999; Oklahoma City, OK.

Citardi MJ. Laser Physics. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; March 3, 1999; St. Louis, MO.

Citardi MJ. An integrated approach to chronic frontal sinusitis. Presented Stanford and UCSF Otolaryngology Grand Rounds; February 4, 1999; Redwood City, CA.

Citardi MJ. New frontiers in image-guided surgery. Presented at "Image-Guided Endoscopic Sinus Surgery," a symposium sponsored by the Oklahoma Academy of Otolaryngology-Head and Neck Surgery; January 15, 1999; Edmond, OK.

Citardi MJ. Endoscopic management of pituitary adenoma. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; October 21, 1998; St. Louis, MO.

Citardi MJ. Chronic rhinosinusitis update. Presented at SLUCare CME Outreach Program; June 20, 1998; Herrin, IL.

Citardi MJ. Chronic rhinosinusitis update. Presented at Parkland Hospital; May 28, 1998; Farmington, MO.

Citardi MJ. Image-guided functional endoscopic sinus surgery. Presented at Society of Otorhinolaryngology-Head & Neck Nurses (St. Louis Chapter) 1998 Annual Spring Symposium (Experience the World of Nursing); April 25, 1998; St. Louis, MO.

Citardi MJ. Carotid artery rupture. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; April 22, 1998; St. Louis, MO.

Citardi MJ. Comprehensive sinonasal polyposis treatment: the role of leukotriene pathway antagonists. Presented at Missouri State Allergy Association annual meeting; April 18, 1998; St. Louis, MO.

Citardi MJ. Contemporary management of chronic frontal sinusitis. Presented at Missouri Society of Otolaryngology-Head and Neck Surgery annual meeting; April 18, 1998; St. Louis, MO.

Citardi MJ. Chronic rhinosinusitis update. Presented at Missouri Society of Otolaryngology-Head and Neck Surgery annual meeting; April 17, 1998; St. Louis, MO.

Citardi MJ. Osteoplastic frontal sinus surgery update. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; February 5, 1998; St. Louis, MO.

Citardi MJ. Endoscopic frontal sinusotomy and endoscopic frontal sinus trephination. Presented at Departmental Grand Rounds, Saint Louis University Department of Otolaryngology-Head and Neck Surgery; November 5, 1997; St. Louis, MO.

Citardi MJ. Chronic rhinosinusitis update. Presented at St. Mary's Hospital; September 18, 1997; East St. Louis, IL.

Citardi MJ. Endoscopic management of pituitary adenoma. Presented at Lucy Lee Hospital Tumor Board; August 19, 1997; Poplar Bluff, MO.

OTHER CONTINUING EDUCATION MEETINGS

Citardi MJ. Surgical navigation innovation. Presented at Big Ideas in the Big Easy – ORL Nursing (Society of Otorhinolaryngology Nurses 43rd Annual Congress and Nursing Symposium; September 13-16, 2019; New Orleans, LA.

OTHER MISCELLANEOUS PRESENTATIONS

Citardi MJ. Image-guided functional endoscopic sinus surgery. Presented at Xomed national sales meeting; September 12, 1998; San Antonio, TX.

Citardi MJ. Chronic rhinosinusitis update and a contemporary rhinology overview. Presented at Ortho-McNeil Pharmaceutical regional sales meeting; April 17, 1998; Frontenac, MO.

INTERNET PUBLICATIONS

Citardi MJ. Coding for innovation. *UT ORL Update* (<https://med.uth.edu/orl/2011/07/08/coding-innovation>). July 8, 2011.

Citardi MJ. Current Procedural Technology: History, structure, process & controversies. *UT ORL Update* (<https://med.uth.edu/orl/2009/12/11/current-procedural-technology-history-structure-process-controversies>). December 11, 2009.

Citardi MJ. The diagnosis of asthma in otorhinolaryngology patients. *UT ORL Update* (<https://med.uth.edu/orl/2009/08/12/diagnosis-asthma-otorhinolaryngology-patients>). August 12, 2009.

Citardi MJ. The emerging role for intraoperative imaging in surgical rhinology. *UT ORL Update* (<https://med.uth.edu/orl/2009/02/05/emerging-role-intraoperative-imaging-surgical-rhinology>). February 5, 2009.

Citardi MJ. New ethmoid spacer for drug delivery. *UT ORL Update* (<https://med.uth.edu/orl/2008/11/20/ethmoid-spacer-drug-delivery>). November 20, 2008.

Citardi MJ. Report from the September, 1999 American Rhinologic Society scientific session. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 2, issue 5.

Citardi MJ. The leukotriene pathway in sinonasal polyposis. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 2, issue 4.

Citardi MJ. Commentary: Invasive fungal infection of the nasal and sinus region. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 4, issue 4.

Sillers MJ, **Citardi MJ.** Endoscopic modified Lothrop procedure ("The frontal drill-out). *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 2, issue 3.

Sillers MJ, **Citardi MJ.** Osteoplastic frontal sinusotomy without obliteration. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 2, issue 2.

Citardi MJ, Sillers MJ, Kuhn FA. Frontal sinus surgery: the "above & below approach" (endoscopic trephination & endoscopic frontal sinusotomy. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1999; volume 2, issue 1.

Citardi MJ, Sillers MJ. Endoscopic frontal sinusotomy. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 5.

Sillers MJ, **Citardi MJ.** The anatomy of the frontal sinus and frontal recess. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 4.

Citardi MJ. Commentary: Sinogenic intracranial abscess presenting as orbital cellulitis. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 3.

Citardi MJ, Sillers MJ. Contemporary management of chronic frontal sinusitis. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 3.

Sillers MJ, **Citardi MJ.** Endoscopic maxillary antrostomy. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 2.

Citardi MJ, Sillers MJ. The management of chronic rhinosinusitis after failed sinus surgery. *International Online Journal of Otorhinolaryngology-Head and Neck Surgery*. 1998; volume 1, issue 1.

AMERICAN ACADEMY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY FOUNDATION PANEL DISCUSSION FACULTY

Citardi, MJ (moderator), Manes RP, Sindwani R. Harnessing opportunities for novel office-based treatment of sinonasal disorders. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 15-18, 2019; New Orleans, LA.

Wormald PJ (moderator), Chen PG, **Citardi, MJ.** Contemporary operative planning and execution for frontal sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 15-18, 2019; New Orleans, LA.

Citardi MJ (moderator), Brown SM, Dubin MG, Welch KC. Personalized chronic rhinosinusitis care in 2018. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 7-10, 2018; Atlanta, GA.

Wormald PJ (moderator), Chen PG, **Citardi, MJ.** Frontal sinus masterclass advance 3D virtual planning of surgical anatomy. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 7-10, 2018; Atlanta, GA.

Luong A (moderator), Chandra R, **Citardi MJ**, Sindwani R. Exploring the limits of in-office sinonasal procedures. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 7-10, 2018; Atlanta, GA.

AMERICAN ACADEMY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY FOUNDATION EXPERT SERIES FACULTY

Citardi MJ (lead presenter), Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 15-28, 2019; New Orleans, LA.

Citardi MJ (lead presenter), Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 7-10, 2018; Atlanta, GA.

AMERICAN ACADEMY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY FOUNDATION MINI-SEMINAR FACULTY

Batra PS, Adappa ND, **Citardi MJ**, Mahdavinia M. Endotypes in chronic rhinosinusitis: Treatment implications. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 10-13, 2017; Chicago, IL.

Citardi MJ, Luong A, Yao WC. Managing a CSF Leak: From Tiny to Large Defects. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 18-21, 2016; San Diego, CA.

Citardi MJ, Brown SM, Hwang PH, Dubin M. FESS in 2016: From Minimally Invasive Surgery to Personalization. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 18-21, 2016; San Diego, CA.

Luong A, **Citardi MJ**, Sindwani R, Chandra R. Maximizing chronic rhinosinusitis care with in-office procedures. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 27-30, 2015; Dallas, TX.

Citardi MJ, Han J, Marple BF, Orlandi RR, Wormald PJ. Postop care after ESS: packing, spacers or nothing. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2014; Orlando, FL

Senior B, Conley D, Setzen M, **Citardi MJ**, Marple B, Steward D, Dillon J. Point of service imaging in otolaryngology. Presented at the 2010 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 2010; Boston, MA.

Citardi MJ, Marple B, Steward D, Dillon J. Coding for innovation in 2010: Sleep, balloons and beyond. Presented at the 2010 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 2010; Boston, MA.

Batra PS, **Citardi MJ**, Leong JL, Orlandi RR, Stankiewicz JA. Decision-making in frontal sinus surgery. Presented at the 2007 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2006; Washington, DC.

Batra PS, Wormald PJ, Hwang P, **Citardi MJ**. Contemporary evaluation of recalcitrant rhinosinusitis. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Citardi MJ, Batra PS, Kraus D, Stammberger H. Endoscopic management of anterior skull base neoplasia. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Citardi MJ, Batra PS, Sillers MJ. Pitfalls in intraoperative surgical navigation. Presented at the 2005 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Schlosser R, **Citardi MJ**, Hwang PH, Palmer JP. Image-guided sinus surgery: past, present and future. Presented at the 2005 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Roth M, Fried MP, **Citardi MJ**, Leopold DA. **Citardi MJ**. Computer-aided image-guidance for ESS; focus on safety. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 22-25, 2002; San Diego, CA.

Sillers MJ, Mirante JP, Marple BF, Casiano RR, Poole MD, **Citardi MJ**. Controversies in the management of chronic frontal sinusitis. Presented at American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 22-25, 2002; San Diego, CA.

AMERICAN ACADEMY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY FOUNDATION INSTRUCTIONAL COURSE FACULTY

Citardi MJ, Brown S, Dubin M, Hwang P. Personalized FESS in 2017. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 10-13, 2017; Chicago, IL.

Luong A, Chandra R, **Citardi MJ**, Sindwani R. Maximizing chronic rhinosinusitis care with in-office procedures. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 10-13, 2017; Chicago, IL.

Citardi MJ, Graham S, Lam K, O'Brien E. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 18-21, 2016; San Diego, CA.

Luong A, **Citardi MJ**, Sindwani R, Chandra R. Maximizing chronic rhinosinusitis care with in-office procedures. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 18-21, 2016; San Diego, CA.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 27-30, 2015; Dallas, TX.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2014; Orlando, FL.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 29-October 2, 2013; Vancouver, Canada.

Sillers MJ, **Citardi MJ**, Melroy C. Advanced techniques in frontal sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 29-October 2, 2013; Vancouver, Canada.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2012; Washington, DC.

Fakhri S, Luong A, **Citardi MJ**. Comprehensive management of allergic fungal rhinosinusitis. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2012; Washington, DC.

Sillers MJ, **Citardi MJ**, Melroy C. Advanced techniques in frontal sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2012; Washington, DC.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 11-14, 2011; San Francisco, CA.

Fakhri S, Luong A, **Citardi MJ**. Comprehensive management of allergic fungal rhinosinusitis. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 11-14, 2011; San Francisco, CA.

Sillers MJ, **Citardi MJ**, Melroy C. Advanced techniques in frontal sinus surgery. Presented at the American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 11-14, 2011; San Francisco, CA.

Citardi MJ, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2010 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 2010; Boston, MA.

Fakhri S, Luong A, **Citardi MJ**. Comprehensive management of allergic fungal rhinosinusitis. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 2010; Boston, MA.

Sillers MJ, **Citardi MJ**, Melroy C. Advanced techniques in frontal sinus surgery. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 2010; Boston, MA.

Citardi MJ, Kuhn FA, Melroy C, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 4-7, 2009; San Diego, CA.

Fakhri S, Luong A, **Citardi MJ**. Comprehensive management of allergic fungal rhinosinusitis. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 4-7, 2009; San Diego, CA.

Sillers MJ, **Citardi MJ**, Melroy C, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 4-7, 2009; San Diego, CA.

Citardi MJ, Batra PS, Fakhri S. Endoscopic management of anterior skull base neoplasia. Presented at the 2009 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; October 4-7, 2009; San Diego, CA.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2008 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2008; Chicago, IL.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2008 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2008; Chicago, IL.

Citardi MJ, Batra PS, Fakhri S. Endoscopic management of anterior skull base neoplasia. Presented at the 2008 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2008; Chicago, IL.

Citardi MJ, Batra PS. Contemporary endoscopic management of inverted papilloma. Presented at the 2007 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2007 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2007 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Citardi MJ, Batra PS. Endoscopic management of anterior skull base neoplasia. Presented at the 2007 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 16-19, 2007; Washington, DC.

Citardi MJ, Batra PS. Contemporary endoscopic management of inverted papilloma. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Citardi MJ, Batra PS, Sillers MJ. Pitfalls in intraoperative surgical navigation. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2006 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 17-20, 2006; Toronto, Canada.

Palmer J, Kuhn FA (Presented by Dubin M, **Citardi MJ**). Contemporary management of allergic fungal sinusitis. Presented at the 2005 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2005 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2005 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 25-28, 2005; Los Angeles, CA.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2004 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 19-22, 2004; New York, NY.

Citardi MJ, Batra PS, Lanza DC. Endoscopic management of sinonasal neoplasia. Presented at the 2004 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 19-22, 2004; New York, NY.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2004 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 19-22, 2004; New York, NY.

Citardi MJ, Kuhn FA, Graham S (Presented by Kuhn FA & Graham S). GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2003 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Citardi MJ, Lanza DC (Presented by Lanza DC & Batra PS). Endoscopic management of sinonasal neoplasia. Presented at the 2003 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Sillers MJ, **Citardi MJ**, Kuhn FA (Presented by Sillers MJ & Kuhn FA). Advanced techniques in frontal sinus surgery. Presented at the 2003 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 21-24, 2003; Orlando, FL.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2002 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 22-25, 2002. San Diego, CA.

Citardi MJ, Lanza DC. Endoscopic management of sinonasal neoplasia. Presented at the 2002 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 22-25, 2002. San Diego, CA.

Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2002 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 22-25, 2002. San Diego, CA.

Citardi MJ, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2001 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2001. Denver, CO.

Lanza DC, **Citardi MJ**. Endoscopic management of sinonasal neoplasia. Presented at the 2001 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2001. Denver, CO.

- Sillers MJ, **Citardi MJ**. Surgical navigation in functional endoscopic sinus surgery. Presented at the 2001 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2001. Denver, CO.
- Sillers MJ, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2001 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2001. Denver, CO.
- Vining E, **Citardi MJ**. The endoscopic management of epistaxis. Presented at the 2001 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 9-12, 2001. Denver, CO.
- Citardi MJ**, Kuhn FA, Graham S. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 2000 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 24-27, 2000. Washington, D.C.
- Sillers MJ, **Citardi MJ**. Surgical navigation in functional endoscopic sinus surgery. Presented at the 2000 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 24-27, 2000. Washington, D.C.
- Sillers M, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 2000 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 24-27, 2000. Washington, D.C.
- Vining E, **Citardi MJ**. The endoscopic management of epistaxis. Presented at the 2000 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 24-27, 2000. Washington, D.C.
- Kuhn FA, Graham S, **Citardi MJ**. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 1999 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 1999. New Orleans, LA.
- Sillers M, **Citardi MJ**. Surgical navigation in functional endoscopic sinus surgery. Presented at the 1999 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 1999. New Orleans, LA.
- Sillers M, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 1999 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 1999. New Orleans, LA.
- Vining E, **Citardi MJ**. The endoscopic management of epistaxis. Presented at the 1999 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 26-29, 1999. New Orleans, LA.
- Kuhn FA, Graham S, **Citardi MJ**. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 1998 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 13-16, 1998; San Antonio, TX.
- Sillers M, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 1998 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 13-16, 1998; San Antonio, TX.
- Vining E, **Citardi MJ**. The endoscopic management of epistaxis. Presented at the 1998 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 13-16, 1998; San Antonio, TX.
- Kuhn FA, Graham S, **Citardi MJ**. GS Gussack memorial: Bad results in endoscopic sinus surgery. Presented at the 1997 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 7-10, 1997; San Francisco, CA.
- Sillers M, **Citardi MJ**, Kuhn FA. Advanced techniques in frontal sinus surgery. Presented at the 1997 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 7-10, 1997; San Francisco, CA.

Vining E, **Citardi MJ**. The endoscopic management of epistaxis. Presented at the 1997 American Academy of Otolaryngology-Head and Neck Surgery annual meeting; September 7-10, 1997; San Francisco, CA.

CONTINUING MEDICAL EDUCATION COURSE FACULTY

2018 Rush Update in Otolaryngology. Sponsored by the Rush University Medical Center Department of Otorhinolaryngology-Head and Neck Surgery, Chicago, IL (May 18-19, 2018). Lecturer ("Endoscopic management of epistaxis," "Decision making in frontal sinus surgery: balloons to obliteration," "Update on rhinology coding"), moderator ("Endoscopic sinus surgery: timing and extent") and panelist ("managing complications of endoscopic sinus surgery").

2018 Texas Hill Country ENT Symposium. Sponsored by the McGovern Medical School (University of Texas Health Science Center at Houston) Department of Otorhinolaryngology-Head and Neck Surgery, Lost Pines, TX (April 28-29, 2018). Course director and lecturer ("Navigation 2018 update") moderator ("Surgery state of the art: would you do this in your office?") and panel member ("Pediatric ENT potpourri").

2017 Lone Star Rhinology Course. Sponsored by McGovern Medical School (University of Texas Health Science Center at Houston) and the University of Texas Southwestern Department of Otolaryngology, Houston, TX (November 3-4, 2017). Course director, lecturer ("Navigation," "Fungal rhinosinusitis diagnosis," and "Office technology"), moderator ("Office procedures," and "Defining indications for FESS"), and laboratory instructor.

Endoscopic Surgery of the Sinuses, Eustachian Tube and Ear. Sponsored by Massachusetts Eye & Ear Infirmary, Boston, MA (April 4-6, 2016). Lecturer ("An integrated approach for frontal sinus surgery," "Balloon Dilatation of the Sinuses: 2016 update," and "Endoscopic approach to skull base neoplasms") and laboratory instructor.

2016 Texas Hill Country ENT Symposium. Sponsored by McGovern Medical School (University of Texas Health Science Center at Houston) Department of Otorhinolaryngology-Head and Neck Surgery, Lost Pines, TX (April 2-3, 2016). Course director and lecturer ("In-office balloon and navigation technology in the management of chronic rhinosinusitis"), moderator ("Challenging cases in rhinology").

39th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (March 9-12, 2015). Lecturer ("2015 balloon update," "Oral and topical antibiotics for chronic rhinosinusitis," and "Contemporary management of inverted papilloma") and rhinology panel member.

2014 Texas Hill Country ENT Symposium. Sponsored by the University of Texas Medical School at Houston Department of Otorhinolaryngology-Head and Neck Surgery, Lost Pines, TX (April 5-6, 2014). Course director and speaker ("2014 balloon update"), moderator ("Medical treatment of difficult-to-treat rhinosinusitis") and panelist ("Surgical decision points" and "Frontal sinus").

38th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 17-21, 2014). Lecturer ("Epistaxis," "Minimally invasive skull base surgery," "Surgical navigation: past, present and future") and rhinology panel member.

2013 UC Irvine Rhinology & Endoscopic Sinus Surgery Course. Sponsored by the University of California at Irvine Department of Otolaryngology-Head and Neck Surgery, Irvine, CA (June 14-15, 2013). Jack E. Sinder, MD Lecturer and presenter ("Surgical navigation: Past, present and future," "Allergic fungal rhinosinusitis," "Endoscopic management of CSF rhinorrhea," and "Pitfalls in ESS Coding").

2013 Lone Star Rhinology Course. Sponsored by the University of Texas Southwestern Department of Otolaryngology and University of Texas Health Science Center at Houston Department of Otorhinolaryngology, Dallas, TX (April 26-28, 2013). Planning committee, lecturer ("Oral and topical antibiotics for CRS," "Postoperative care," "Open frontal techniques: Indications in 2013" and "Teamwork in the ENT office"), moderator ("Medical management of FESS Failures") and laboratory instructor.

37th *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 18-22, 2013). Lecturer ("Addressing the balloon controversy," "AFRS diagnosis and management," "Endoscopic management of inverted papilloma") and rhinology panel member.

36nd *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 20-24, 2012). Lecturer ("Endoscopic epistaxis management," "Postoperative care after sinus surgery").

2011 *Advanced Rhinology Concepts*. Sponsored by the University of Texas Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (November 4-6, 2011). Co-director, lecturer ("Anatomy of the paranasal sinuses," "Postop care," "Osteoplastic frontal sinusotomy and frontal sinus obliteration," "Surgical navigation," "Postoperative care," "CSF leak diagnosis and repair") and laboratory instructor.

35nd *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 21-25, 2011). Lecturer ("Balloon catheter applications in the paranasal sinuses," "Postoperative care after sinus surgery," "Diagnosis and treatment of allergic fungal rhinosinusitis").

New York Rhinology Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (May 21-22, 2010). Laboratory instructor and panel member.

34nd *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 15-19, 2010). Lecturer ("Balloon catheter applications in surgical rhinology," "Image-guided functional endoscopic sinus surgery," "Endoscopic management of CSF rhinorrhea," "Integrated approach for frontal sinus surgery").

2009 *Advanced Rhinology Concepts*. Sponsored by the University of Texas Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (November 6-8, 2009). Co-director, lecturer ("Surgical navigation," "Postoperative care," "Fungal rhinosinusitis classification," "Endoscopic management of epistaxis," "Sinonasal neoplasia: Technology & Techniques," "Frontal sinus anatomy" and "Endoscopic trephination") and laboratory instructor.

33rd *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 16-20, 2009). Lecturer ("Sinonasal anatomy," "Medical management of rhinosinusitis," "Endoscopic management of epistaxis") and panel member (rhinology).

Cleveland Clinic Otolaryngology Symposium 2008. Sponsored by the Cleveland Clinic Head and Neck Institute, Naples, FL (April 3-5, 2008). Lecturer ("FESS: How I do it," "Image-guided functional endoscopic sinus surgery," "Endoscopic management of epistaxis," "Integrated approach for frontal sinusitis," and "Balloon-catheter applications in rhinology,").

32nd *Midwinter Symposium on Practical Surgical Challenges in Otolaryngology*. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 18-22, 2008). Lecturer ("Endoscopic management of sinonasal neoplasia," "Image-guided functional endoscopic sinus surgery," "Endoscopic management of CSF rhinorrhea") and panel member (rhinology).

Advanced Techniques in Endoscopic Sinus Surgery. Sponsored by California Sinus Institute, San Francisco, CA (February 15-16, 2008). Laboratory instructor, lecturer ("Endoscopic management of sinonasal neoplasia: rationale, technology, techniques & outcomes," "Image-guided endoscopic sinus surgery" and panel member ("What to do when all else fails").

New York Rhinology Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (May 18-20, 2007). Laboratory instructor and panel member ("Medical & allergic management of chronic rhinosinusitis," "Image-guided endoscopic sinus surgery," "Allergic fungal sinusitis," "My worst case").

Cleveland Clinic Otolaryngology Symposium 2007. Sponsored by the Cleveland Clinic Head and Neck Institute, Naples, FL (March 15-17, 2007). Lecturer ("FESS: How I do it," "Rhinopathy differential diagnosis," "Fungal rhinosinusitis classification," "Postoperative care," "Endoscopic sphenoidotomy," "Middle turbinate management," and "Microbiologic/bacterial factors in rhinosinusitis").

31th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 19-23, 2007). Lecturer ("Endoscopic management of inverted papilloma," "Endoscopic management of epistaxis," "Integrated approach for frontal sinusitis") and panel member (rhinology).

Advanced Techniques in Endoscopic Sinus Surgery. Sponsored by California Sinus Institute, San Francisco, CA (February 16-17, 2007). Laboratory instructor and lecturer ("Endoscopic management of sinonasal neoplasia: rationale, technology, techniques & outcomes," "Image-guided endoscopic sinus surgery").

New York Rhinology Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (April 21-23, 2006). Laboratory instructor and panel member ("Medical & allergic management of chronic rhinosinusitis," "Image-Guided Endoscopic Sinus Surgery").

Cleveland Clinic Otolaryngology Symposium 2006: Contemporary Techniques for Clinical Practice. Sponsored by the Cleveland Clinic Head and Neck Institute, Naples, FL (March 16-18, 2006). Lecturer ("FESS: How I do it," "Pitfalls in surgical navigation," "Endoscopic management of epistaxis," "Frontal sinus surgery: the integrated approach," "Frontal sinus anatomy," and "Endoscopic frontal sinusotomy").

30th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 20-24, 2006). Lecturer ("Image-guided functional endoscopic sinus surgery," "Endoscopic sinonasal anatomy," "Endoscopic management of epistaxis," "Middle turbinate management,") and panel member (rhinology topics).

2005 Advanced Rhinology Concepts. Sponsored by the Section of Nasal and Sinus Disorders, Head & Neck Institute, Cleveland Clinic Foundation, Cleveland, OH (November 10-12, 2005). Course co-director (with Pete S. Batra, MD), lecturer ("Endoscopic sphenoidotomy," "Rhinopathy differential diagnosis," "Frontal sinus anatomy," "Endoscopic trephination & frontal sinus rescue," "Technology and rationale for endoscopic management of sinonasal neoplasia," "Image-guided functional endoscopic sinus surgery," "Image-guided surgery reimbursement & coding"), panel organizer ("Frontal sinus," and "Sinonasal neoplasia") and laboratory instructor.

University of Iowa Functional Endoscopic Sinus Surgery Course. Sponsored by University of Iowa Carver College of Medicine (June 3-4, 2005). Laboratory instructor and lecturer ("Endoscopic anatomy of the paranasal sinuses," "Image-guided sinus surgery," "Endoscopic repair of CSF leaks," and "Endoscopic management of nasal and sinus tumors").

New York Rhinology Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (April 8-10, 2005). Laboratory instructor and panel member ("Computer-aided surgery," "Fungal sinusitis," "Medical management," and "Frontal sinus surgery").

Cleveland Clinic Otolaryngology Symposium 2005: Contemporary Techniques for Clinical Practice. Sponsored by the Cleveland Clinic Head and Neck Institute, Naples, FL (March 18-20, 2005). Lecturer ("Medical treatment strategy," "Rhinitis differential diagnosis," "Electronic medical record: the rhinology perspective," and "Endoscopic management of sinonasal neoplasia: technical considerations").

Current Techniques in Endoscopic Sinus Surgery. Sponsored by University of British Columbia, Departments of Otolaryngology and Anatomy, Vancouver, BC, Canada (July 19-20, 2004). Laboratory instructor and lecturer ("Image-guided functional endoscopic sinus surgery," "Endoscopic management of epistaxis," "Endoscopic trephination," and "Middle turbinate management").

New York Rhinology and Sleep Disordered Breathing Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (April 2-4, 2004). Laboratory instructor and panel member ("Computer-aided surgery," "Revision sinus surgery," and "Frontal sinus surgery").

Georgia Nasal & Sinus Institute Advanced Functional Endoscopic Sinus Surgery Course. Sponsored by the Georgia Nasal & Sinus Institute, Savannah, GA (April 1-3, 2004). Laboratory instructor and lecturer ("Endoscopic trephination: the above & below approach," "Frontal sinus rescue Procedure," "Image-guided functional endoscopic sinus surgery" and "Endoscopic epistaxis treatment").

Cleveland Clinic Otolaryngology Symposium 2004: Contemporary Techniques for Clinical Practice. Sponsored by the Cleveland Clinic Head and Neck Institute, Naples, FL (March 18-20, 2004). Lecturer ("Medical treatment strategy," "Frontal sinus surgery concepts," "Endoscopic management of epistaxis," and "Controversies in coding")

Advances in Endoscopic Management of Nasal & Sinus Disorders. Sponsored by the Section of Nasal and Sinus Disorders, Department of Otolaryngology & Communicative Disorders, Cleveland Clinic Foundation, Cleveland, OH (November 6-8, 2003). Course co-director (with Pete S. Batra, M.D. and Donald C. Lanza, M.D.), lecturer ("Computer-aided surgery," "Fungal rhinosinusitis: making the right diagnosis," "Key points in frontal sinus anatomy," "Frontal sinus rescue procedure") and laboratory instructor.

88th Annual Anatomy and Histopathology of the Head, Neck and Temporal Bone. Sponsored by Indiana University School of Medicine Department of Otolaryngology-Head and Neck Surgery, Indianapolis, IN (July 8-17, 2002). Lecturer ("Frontal & sphenoid sinus anatomy," "Principles of registration," "Endoscopic frontal sinusotomy," "Endoscopic management of sinonasal neoplasia," and "Fungal sinusitis") and laboratory instructor.

New York Rhinology and Sleep Disordered Breathing Update. Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (April 11-13, 2003). Laboratory instructor and panel member ("Computer-aided surgery," "Frontal sinus surgery," and "Revision sinus surgery").

Georgia Nasal & Sinus Institute Advanced Functional Endoscopic Sinus Surgery Course. Sponsored by the Georgia Nasal & Sinus Institute, Savannah, GA (April 3-4, 2003). Laboratory instructor and lecturer ("Endoscopic trephination: the above & below approach," "Frontal sinus rescue Procedure," "Image-guided functional endoscopic sinus surgery" and "Endoscopic epistaxis treatment").

Cleveland Clinic Otolaryngology Symposium 2003: Contemporary Techniques for Clinical Practice. Sponsored by Department of Otolaryngology & Communicative Disorders, Cleveland Clinic Foundation, Naples, FL (March 20-22, 2003). Lecturer ("Traditional classification of fungal sinusitis," "Image-guided functional endoscopic sinus surgery," "Demystifying the sphenoid sinus: anatomy & physiology," and "Endoscopic management of neoplasia").

27th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 17-21, 2003). Lecturer ("Image-guided functional endoscopic sinus surgery," "Endoscopic management of sinonasal neoplasia," "Fungal sinusitis," "Sinonasal neoplasia,") and panel member (Rhinology issues).

87th Annual Anatomy and Histopathology of the Head, Neck and Temporal Bone. Sponsored by Indiana University School of Medicine Department of Otolaryngology-Head and Neck Surgery, Indianapolis, IN (July 8-17, 2002). Lecturer ("Integrated approach for frontal sinusitis," "Endoscopic management of epistaxis," "Endoscopic anatomy of the paranasal sinuses," and "Image-guided functional endoscopic sinus surgery") and laboratory instructor.

Image-Guided Sinus Surgery for the Otolaryngologist. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Chicago, IL (June 21-23, 2002). Lecturer ("Principles of registration," and "Image-guided functional endoscopic sinus surgery") and laboratory instructor.

Cleveland Clinic Otolaryngology Symposium 2002: Contemporary Techniques for Clinical Practice. Sponsored by Department of Otolaryngology & Communicative Disorders, Cleveland Clinic Foundation, Marco Island, FL (March 21-23, 2002). Course co-director (with David Green, M.D.), and lecturer ("The rhinitides," "Image-guided functional endoscopic sinus surgery," "Integrated approach for frontal sinusitis," and "Endoscopic management of epistaxis").

26th Midwinter Symposium on Practical Surgical Challenges in Otolaryngology. Sponsored by University of Illinois at Chicago Department of Otolaryngology, Snowmass, CO (February 18-22, 2002). Lecturer ("Image-guided functional endoscopic sinus surgery," "Endoscopic management of epistaxis," "Integrated approach for frontal sinusitis," "Transsphenoidal hypophysectomy," "Bad Results in sinus surgery," and "Endoscopic management of CSF rhinorrhea").

Advances in Endoscopic Management of Nasal & Sinus Disorders. Sponsored by the Section of Nasal and Sinus Disorders, Department of Otolaryngology & Communicative Disorders, Cleveland Clinic Foundation, Cleveland, OH (November 1-3-, 2001). Course co-director (with Donald C. Lanza, M.D.), lecturer ("Anatomic landmarks for sinus surgery," "Diagnosis of the rhinitides," "Advances in Image-Guided FESS") and laboratory instructor.

26th Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Nasal & Sinus Institute, Savannah, GA (October 11-13, 2001). Laboratory instructor and lecturer ("Endoscopic Trephination: The Above & Below Approach," "Frontal Sinus Rescue Procedure," "Image-Guided Functional Endoscopic Sinus Surgery," "Postoperative Care" and "Endoscopic Epistaxis Treatment").

25th Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Nasal & Sinus Institute, Savannah, GA (April 5-7, 2001). Laboratory instructor and lecturer ("Endoscopic Trephination: The Above & Below Approach," "Frontal Sinus Rescue Procedure," "Postoperative Care," and "Endoscopic Epistaxis Treatment").

23rd Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Institute, Savannah, GA (October 14-16, 1999). Laboratory instructor and lecturer ("Frontal Sinus Surgery: The Above and Below Approach," "Frontal Sinus Rescue After Middle Turbinate Resection," "Image-guided Functional Endoscopic Sinus Surgery," "Osteoplastic Frontal Sinusotomy Without Obliteration," and "Endoscopic Epistaxis Treatment").

Sinusitis: Into the New Millennium. Sponsored by the Saint Louis University School of Medicine, St. Louis, MO (April 17, 1999). Lecturer ("Nasal Polyps – Medical and Surgical Therapy," "Emerging Issues and Technology in Surgical Rhinology," "What to do When the Usual Measures Fail – Surgical Failures").

22nd Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (April 8-10, 1999). Laboratory instructor and lecturer ("Frontal Sinus Surgery: The Above and Below Approach," "Frontal Sinus Rescue After Middle Turbinate Resection," and "Endoscopic Epistaxis Treatment").

21st Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (October 8-10, 1998). Laboratory instructor and lecturer. ("Frontal Sinus Surgery: The Above and Below Approach," "Frontal Sinus Rescue After Middle Turbinate Resection," and "Endoscopic Epistaxis Treatment").

20th Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (April 2-4, 1998). Laboratory instructor and lecturer ("Frontal Sinus Surgery: The Above and Below Approach," "Frontal Sinus Rescue After Middle Turbinate Resection," and "Endoscopic Epistaxis Treatment").

19th Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (October 2-4, 1997). Laboratory instructor and lecturer ("Frontal Sinus Surgery: The Above and Below Approach (Endoscopic and Trephine)," "Frontal Sinus Rescue After Middle Turbinate Resection," and "Endoscopic Epistaxis Treatment").

18th Advanced Course: Image-Guided Functional Endoscopic Sinus Surgery. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (April 3-5, 1997). Laboratory instructor and lecturer

("Lateral Nasal Wall Anatomy," "Surgical Failures" panel discussion, "Frontal Sinus Surgery: The Above and Below Approach (Endoscopic and Trephine)," "Frontal Sinus Rescue After Middle Turbinate Resection," and "Endoscopic Epistaxis Treatment").

17th Advanced Functional Endoscopic Sinus Surgery Course. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (October 23-26, 1996). Laboratory instructor and lecturer ("Patterns of Recurrent/Persistent Sinusitis After Failed Endoscopic Sinus Surgery," "Frontal Sinus Surgery: The Above and Below Approach," "Frontal Sinus Obliteration," "External Frontoethmoidectomy and the Sewall-Boyden Flap," and "Endoscopic Sphenopalatine Artery Ligation").

Office-Based Laser Procedures in Otolaryngology. Sponsored by the Section of Otolaryngology, Yale University School of Medicine, New Haven, CT (November 5, 1996). Lecturer ("Laser Physics and Safety").

ON-LINE MEDICAL EDUCATION FACULTY

TSESlonline.org. Sponsored by Tarabichi-Stammberger Ear & Sinus Institute (June 28, 2020): "Office procedures in Rhinology."

INTERNATIONAL MEDICAL EDUCATION COURSE FACULTY

Tenth Singapore Allergy & Rhinology Course/Sixth SARC FESS Workshop. Sponsored by Singapore Society of Otolaryngology-Head & Neck Surgery and Singapore Medical Association, Singapore (April 26-29, 2019). Moderator, prosector, lecturer ("Allergic fungal rhinosinusitis," "Surgical navigation: 2019 update," "Integrated approach for frontal sinus surgery," "Office rhinology procedures," "Maximizing treatment outcomes for allergic rhinitis in the GP setting").

ORL Horizons 2019: The First Beirut Annual International Rhinology Symposium and FESS Dissection Workshop. Sponsored by the American University of Beirut Department of Otorhinolaryngology-Head and Neck Surgery, Beirut, Lebanon (April 4-6, 2019). Moderator ("Innovations in surgical rhinology," "The value of new knowledge in chronic rhinosinusitis" and "Advanced cases in skull base surgery"), prosector, lecturer ("Considerations in Concurrent FESS and Rhinoplasty," "Postoperative care and optimizing the outcomes of FESS," "Integrated approach for frontal sinus surgery," "Managing CSF leaks and skull base defects: flaps or grafts") and panelist ("Medical management of CRS cases," "How much surgery is really needed," and "What do the experts really do").

ENT Summit 2017 & 3rd International Symposium on Navigated Sinus and Skull Base Surgery. Sponsored by Prince Court Medical Center, Kuala Lumpur, Malaysia (February 23-25, 2017). Lecturer ("Microsensor navigation," "Surgical navigation: good, bad & ugly," "Surgical navigation: moving beyond the current limitations," and "Uncinate process."

2nd International Symposium on Navigated Sinus and Skull Base Surgery. Sponsored by Academus Academy Services, Havana, Cuba (June 11-12, 2016). Prosector, lecturer ("Integrated approach for frontal sinus surgery" and "Inverted papilloma").

Seventh Singapore Allergy & Rhinology Course/Third SARC FESS Workshop. Sponsored by Singapore Society of Otolaryngology-Head & Neck Surgery and Singapore Medical Association, Singapore (May 5-8, 2016). Prosector, lecturer ("Maximizing chronic rhinosinusitis care with in-office procedures") and panelist ("In-office procedures & balloon sinuplasty").

Endoscopic Endonasal Surgery of the Rhinosinus and Cranial Base Course 2016. Sponsored by Sun Yat-sen University Otorhinolaryngology Hospital & Institute, Guangzhou, China (March 21-24, 2016). Lecturer ("Surgical navigation: past, present & future," and "Endoscopic management of CSF rhinorrhea").

Sixth Singapore Allergy & Rhinology Course/Second SARC FESS Workshop. Sponsored by Singapore Society of Otolaryngology-Head & Neck Surgery, Singapore (March 19-22, 2015). Prosector and lecturer ("2015 Balloon sinus dilatation update," "Drug eluting stents & other options for managing the middle meatus," "Endoscopic management of paranasal sinus neoplasia," "Endoscopic management of inverted papilloma," "Surgical navigation: past, present and future").

Sixth Cirugía Funcional Endoscopica de la Nariz y Senos Paranasales. Sponsored by UMAE Hospital de Especialidades del Centro Medico Nacional Siglo XXI, Mexico City, MX (August 27-29, 2014). Prosector, lecturer ("Endoscopic anatomy of the paranasal sinuses," "Allergic fungal rhinosinusitis," "Postop care after FESS," "Endoscopic treatment of epistaxis," "Endoscopic surgery of the frontal sinus," "Surgical navigation: past, present and future," "Endoscopic CSF leak repair," "Minimally invasive management of anterior skull base neoplasia") and panel moderator ("Medical management of FESS failures").

Patología Inflammatoria de la Vía Aérea Superior. Sponsored by Hospital Angeles Del Carmen. Guadalajara, Mexico (January 28-30, 2010). Lecturer "Rhinopathy differential diagnosis," "Fungal rhinosinusitis classification," "Integrated approach for frontal sinus surgery," "Image-guided functional endoscopic sinus surgery," "Post operative care after sinus surgery").

2009 Copenhagen Advanced FESS Course. Sponsored by the University of Copenhagen. Copenhagen, Denmark (November 18-19, 2009). Lecturer ("Applied Sinus Anatomy" and "Balloon catheter applications") and laboratory instructor.

2009 Middle East Update in Otolaryngology. Sponsored by the Middle East Academy of Otolaryngology-Head and Neck Surgery. Abu Dhabi, UAE (April 1-3, 2009). Lecturer ("Rhinopathy differential diagnosis," "Integrated approach to frontal sinus surgery," "Image-guided functional endoscopic sinus surgery," "Management of inverted papilloma," and "Endoscopic management of anterior skull base neoplasia") and panelist (rhinology case studies).

ENT Instructional Course Week 2008/12th Functional Endoscopic Sinus Surgery Course. Sponsored by Singapore General Hospital Postgraduate Medical Institute, Singapore (July 6-8, 2008). Lecturer ("Current medical management of sinus disease," "Balloon sinuplasty: does it have a role?," "Nasal polyposis and fungal sinusitis," "Frontal recess surgery & the integrated approach," "Surgery of the medial orbital wall," "Intraoperative navigational devices," and "Endoscopic surgery for sinonasal *New York Rhinology Update.* Sponsored by New York University School of Medicine and Albert Einstein School of Medicine, New York, NY (May 16-18, 2008). Laboratory instructor and panel member ("Medical & allergic management of chronic rhinosinusitis," "My worst case") tumors") and laboratory instructor.

Middle East Update in Otolaryngology. Sponsored by the Middle East Academy of Otolaryngology-Head and Neck Surgery, Dubai, UAE (January 18-20, 2006). Lecturer ("Image-guided functional endoscopic sinus surgery," "Frontal sinus anatomy and endoscopic frontal sinusotomy," "Middle turbinate management," "Endoscopic management of sinonasal neoplasia," and "The future of Rhinologic Surgery")

Cirugía Funcional Endoscopica de la Nariz y Senos Paranasales. Sponsored by Hospital de Especialidades del Centro Medico Nacional Siglo XXI, Mexico City, MX (September 7-9, 2005). Prosector and lecturer ("Image guided functional endoscopic sinus surgery," "Endoscopic management of sinonasal neoplasia," "Rhinopathy differential diagnosis," "Management of the middle turbinate," "Integrated approach to frontal sinus surgery," "Transsphenoidal hypophysectomy," "The future of rhinologic surgery: from image-guided surgery to telemedicine.")

Curso de Cirugía Endoscopica de De Base de Cranio. Sponsored by Hospital Santa Engracia, Garza Garcia, NL, Mexico (August 31, 2001-September 1, 2001). Laboratory instructor and lecturer ("Computer-aided Otorhinolaryngology-Head and Neck Surgery," "Contemporary Concepts in Frontal Sinus Surgery," and "Minimally Invasive Management of Sinonasal Neoplasia.")

Curso Teórico-Práctico de Cirugía Funcional Endoscopica de Senos Paranasales. Sponsored by the Colegio de Otorrinolaringología y Cirugía de Casbeza y Cuello de Baja California, A.C., Tijuana, Mexico (March 26-28, 1998). Laboratory instructor and lecturer ("Endoscopic Frontal Sinuostomy and Endoscopic Trephination," "Endoscopic Management of Epistaxis" "Image-guided Functional Endoscopic Sinus Surgery," "Endoscopic Management of Pituitary Adenoma," and "Bad Results in Sinus Surgery").

Texas Sinus Institute Resident Sinus Course. Sponsored by the University of Texas Medical School at Houston Department of Otorhinolaryngology-Head and Neck Surgery, Houston, TX (March 27, 2009). Laboratory instructor.

UAMS Sinus Course. Sponsored by the University of Arkansas Medical School Department of Otolaryngology, Little Rock, AK (August 17-19, 2007). Laboratory instructor and lecturer ("Sinonasal anatomy," "Basic FESS techniques," "The middle turbinate," "The integrated approach for frontal sinus surgery," and "Endoscopic management of CSF rhinorrhea").

Cleveland Clinic Resident Sinus Course. Sponsored by the Cleveland Clinic Head & Neck Institute, Section of Nasal & Sinus Disorders, Cleveland, OH (February 25, 2006). Course director, laboratory instructor and lecturer ("Basic FESS techniques").

ORL-HNS RPAC Educational Day. Sponsored Ohio University College of Osteopathic Medicine (August 5, 2004). Laboratory instructor and lecturer ("Sinonasal Polyposis").

Resident Sinus Course. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (February 19-20, 1999). Laboratory instructor and lecturer ("Post-Operative Care").

Saint Louis University Resident Sinus Course. Sponsored by the Saint Louis University Department of Otolaryngology-Head and Neck Surgery, St. Louis, MO (June 6, 1998). Course director, laboratory instructor and lecturer ("Lateral Nasal Wall Anatomy," "Endoscopic Management of Epistaxis," "Frontal Sinus: Anatomy & Integrated Approach," and "Post-operative Care").

Resident Sinus Course. Sponsored by the Georgia Rhinology & Sinus Center, Savannah, GA (February 20-21, 1998). Laboratory instructor and lecturer ("Post-Operative Care").

COMMITTEES AND OTHER PROFESSIONAL ACTIVITIES

American Academy of Otolaryngology Medical Informatics Committee	2020-present
UTHealthCONNECT Executive Steering Committee(chair)	2019--present
University of Texas McGovern Medical School at Houston Compliance and Ethics Committe	2015-present
UT Physicians Clinical Practice Excellence Committee (formerly Clinical Analytics Workgroup)	2014-present
UT Physicians Outpatient Quality Council	2013-present
University Eye Associates Board of Directors	2010-present
Memorial Herman Surgery Center-Texas Medical Center Governing Board	2017-2020 2013-2015
University of Texas Health Science Center at Houston CMIO Search Committee (co-chair)	2018-2019
UT Physicians EHR Replacement Request for Proposal Committee (co-chair)	2018
UT Physicians Electronic Health Record Governance Committee	2015-2018
UT Physicians Physician Revenue Cycle Committee	2015-2017
MHMD Ambulatory Medical Informatics Subcommittee	2014-2018
MHMD System Medical Informatics Clinical Programs Committee	2014-2018
American Rhinologic Society Patient Advocacy Committee	2014-2018
Texas Association of Otolaryngology Board of Directors	2013-2017
MHMD Board of Directors	2010-2018
MHMD Otorhinolaryngology Clinical Programs Committee (chair)	2012-2017
Harris County Medical Society Executive Board (UTHealth representative)	2011-2016
UT Physicians EHR Replacement Request for Proposal Committee (co-chair)	2015
University of Texas Health Science Center at Houston CMIO Search Committee	2014-2015
Memorial Hermann-Texas Medical Center Surgeon's Council (chair)	2012-2015

UT Physicians Electronic Health Record Governance Committee (co-chair)	2012-2015
Memorial Hermann-University of Texas Health Science Center at Houston Information Technology Governance Committee	2012-2015
American Rhinologic Society Awards Committee	2010-2015
UT Physicians Board (director)	2009-2015
Memorial Hermann Information Exchange Physician Advisory Council	2014
Harris County Medical Society Information Technology Committee	2012-2013
American Academy of Otolaryngology-Head & Neck Surgery CPT & Relative Value Committee	2010-2014
<i>Laryngoscope</i> Review Panel	2001-2013
University of Texas Medical School at Houston CME Committee	2010-2013
<i>Otolaryngology-Head and Neck Surgery</i> Review Panel	2000-2013
American Academy of Otolaryngology-Head & Neck Surgery Rhinology & Paranasal Sinus Committee	2010-2012
Memorial Hermann-Texas Medical Center Operating Room Committee (chair)	2009-2012
Memorial Hermann International Services Physician Leadership Committee	2010-2011
Memorial Hermann-Texas Medical Center Physician Advisory Panel	2008-2010
Memorial Hermann-Texas Medical Center Operating Room Committee	2008-2010
<i>American Journal of Rhinology</i> Review Panel	1998-2010
American Rhinologic Society Patient Advocacy Committee	2006-2010
American Academy of Otolaryngology-Head and Neck Surgery Instruction Course Advisory Committee	2002-2008
American Rhinologic Society Information Technology Officer	2002-2006
American Academy of Otolaryngology-Head and Neck Surgery Medical Devices and Drugs Committee	2000-2006
American Rhinologic Society Board of Directors	2002-2005
American Academy of Otolaryngology-Head and Neck Surgery Practice Expense Consensus Panel, ARS representative	2001-2004
American Academy of Otolaryngology-Head and Neck Surgery Board of Governors Leadership Development Program	2002-2003
American Academy of Otolaryngology-Head and Neck Surgery Ethics Committee	1998-2003
Cleveland Clinic Foundation Department of Otolaryngology & Communicative Disorders Departmental Quality Assurance Co-Officer	2001-2002
Cleveland Clinic Foundation Surgical Patient Care Committee	2001-2002
American Academy of Otolaryngology-Head and Neck Surgery Instruction Course Advisory Committee, consultant	2001-2002
Discussion Groups Associate Editor, <i>International Online Journal of Otorhinolaryngology-Head and Neck Surgery</i>	1999-2000
American Rhinologic Society Internet site Coordinator	1998-2002
Saint Louis University Hospital Operating Room Committee	2000
<i>International On-Line Journal of Otorhinolaryngology-Head and Neck Surgery</i> Editorial Board	1998-2000
SLU Otolaryngology Clinical Trials Unit Co-director	1997-2000
Departmental Liaison to SLUCare HCFA Compliance Committee	1997-2000
Saint Louis University Department of Otolaryngology-Head and Neck Surgery Departmental Internet Coordinator	1997-2000

CONSULTING

Inquis Medical (consultant)	2020-present
MicroGenDX (consultant)	2020-present
BioMed ENT (consultant)	2019-present
Stryker (consultant)	2018-present
TMC Innovation Institute (advisor)	2017-present
Medical Metrics (consultant)	2016-present
Acclarent (consultant)	2015-present
Intersect ENT (consultant)	2018-2020
Arrinex (consultant)	2017-2019
Factory CRO (consultant)	2017-2019
Optinose (consultant and advisory board member)	2017-2018
Medtronic (consultant)	2016-2019
Biosense Webster (consultant)	2016-2018
Hemostasis LLC (consultant)	2017
Polyganics (consultant and advisory board member)	2013-2015
Quest Medical (consultant)	2007-2009
Naryx (advisory board)	2005-2008
General Electric Healthcare Navigation & Visualization (advisory board)	2003-2007
SinusPharmaceuticals (advisory board)	2001-2005
CBYON (advisory board)	1999-2003
Xomed ENT (advisory board)	1998

PROFESSIONAL ORGANIZATIONS

Harris County Medical Society (member)	2008-present
Houston Society of Otolaryngology, member	2008-present
Texas Association of Otolaryngology (member)	2008-present
Texas Medical Association (member)	2008-present
North American Skull Base Society (member)	2006-present
American Academy of Otolaryngic Allergy (associate member)	2005-present
Society of University Otolaryngologists-Head and Neck Surgeons (member)	2002-present
American College of Surgeons (fellow)	2000-present
American Rhinologic Society (fellow)	1998-present
American Academy of Otolaryngology-Head and Neck Surgery (fellow)	1997-present
Academy of Medicine of Cleveland/Northern Ohio Medical Association (member)	2004-2008
Northeastern Ohio Otolaryngology-Head & Neck Surgery Society (member)	2002-2008
International Society for Computer-Aided Surgery (member)	2000-2004
American Academy of Sleep Medicine (member)	1999-2001
American Laryngological, Rhinological and Otological Society (The Triological Society) (post-graduate fellow)	1996-2000
The Ear, Nose and Throat Club of St. Louis (member)	1999-2000
Missouri Society of Otolaryngology-Head and Neck Surgery (member)	1997-2000
Missouri State Medical Society (member)	1997-2000
American College of Surgeons (associate fellow)	1997-2000
American Rhinologic Society (member)	1997-1998
American Rhinologic Society (resident member)	1995-1997
American Laryngological, Rhinological and Otological Society (The Triological Society) (resident member)	1993-1996

American Academy of Otolaryngology-Head and Neck Surgery (resident member)	1992-1997
American Medical Association (resident member)	1991-1997
Connecticut State Medical Society (resident member)	1991-1996
American Medical Association (medical student member)	1988-1991
Medical and Chirurgical Faculty of the State of Maryland (medical student member)	1988-1991
Environmental Mutagen Society (student member)	1985-1986

PATENT APPLICATIONS

Methods of Measuring Symptoms of Chronic Rhinosinusitis
Salgado K, Elder J, Neumann, T, Citardi, MJ, Hinson J, Rossen G, Vaughan W.
Filed September 27, 2011
No. 20070226012

MEDICAL LICENSURE

Texas	2007-present
Ohio	2000-present
California	2003-2009
New York	2003-2007
Connecticut	2002-2006
Michigan	2002-2006
Pennsylvania	2001-2006
Illinois	1997-2005
Missouri	1997-2001
Georgia	1996-2003

INTERESTS

Cycling, finance, photography, politics, technology

REFERENCES

Furnished upon request.