

# CURRICULUM VITAE

## William C Yao, MD, FACS

March 1, 2022

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### PRESENT TITLE

Associate Professor of Otorhinolaryngology – Head and Neck Surgery  
Otorhinolaryngology Residency Program Director  
University of Texas McGovern Medical School at Houston

Co-Director, Texas Sinus Institute Neurorhinology Fellowship  
University of Texas McGovern Medical School at Houston

### WORK ADDRESS

Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston  
6431 Fannin St, MSB 5.036  
Houston TX 77030

### BIRTHDATE

July 21, 1982

### CITIZENSHIP

USA

### UNDERGRADUATE EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA) 9/2000 - 6/2004

- B.S. Physiological Sciences
- Minor: East Asian Languages and Culture

### GRADUATE EDUCATION

UNIVERSITY OF COLORADO SCHOOL OF MEDICINE 8/2005 –5/2009

- M.D. Doctor of Medicine

### POSTGRADUATE TRAINING

#### RESIDENCY

BAYLOR COLLEGE OF MEDICINE 7/2009 –6/2014  
Otolaryngology - head and neck surgery

#### FELLOWSHIP

MASSACHUSETTS EYE & EAR INFIRMARY/HARVARD UNIVERSITY 7/2014 –6/2015  
Advanced Rhinology and Anterior Skull Base Surgery  
MENTORS: Ralph Metson, Eric Holbrook, Stacey Gray, Benjamin Bleier

### ADDITIONAL COURSES

Clinical Safety and Effectiveness Program 9/2016  
Memorial Hermann – Texas Medical Center, McGovern Medical School, Houston, TX

## ACADEMIC & ADMINISTRATIVE APPOINTMENTS

**ASSOCIATE PROFESSOR** 9/2021-Current  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**ASSISTANT PROFESSOR** 7/2015-8/2021  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**RESIDENCY PROGRAM DIRECTOR** 12/2020-Current  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**RHINOLOGY FELLOWSHIP CO-DIRECTOR** 7/2015-Current  
Texas Sinus Institute  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**ASSISTANT RESIDENCY PROGRAM DIRECTOR** 7/2017-11/2020  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**CHAIR of CLINICAL COMPETENCY COMMITTEE** 7/2017-6/2021  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

## HOSPITAL APPOINTMENTS

**ATTENDING SURGEON** 7/2015-Current  
Memorial Hermann Hospital – Texas Medical Center  
Houston, TX

**ATTENDING SURGEON** 7/2015-Current  
Lyndon B Johnson General Hospital  
Houston, TX

## LICENSURE

**USMLE Steps 1/2/3:** Passed

### Texas Medical Board Full License

- Q3315
- Date of Issuance: 02/13/2015
- Date of Expiration: 02/28/2023

**National Provider Identification:** 1831429893

**DEA TX:** FY5147916

**DPS TX:** 10215200

## CERTIFICATION

### **American Board of Otolaryngology Certification**

- ID: 22600
- Date of Issuance: 6/1/2015
- Date of Expiration: 6/30/2025

## **PROFESSIONAL ORGANIZATIONS**

### **LOCAL**

**Harris County Medical Society** – 10/1/2015-12/31/2016

**Houston Society of Otolaryngology** – 10/1/2015 - present

### **REGIONAL**

**Texas Medical Association** – 10/1/2015-12/31/2016

**Texas Association of Otolaryngology** – 10/1/2015-12/31/2016

### **NATIONAL**

#### **American Academy of Otolaryngology**

- Rhinology and Paranasal Sinus Committee Member– 10/1/2015-9/30/2016
- Skull Base Surgery Committee Member – 10/1/2015-9/30/2016
- Rhinology & Allergy Education Committee Member – 10/1/2015-9/30/2016, 10/2018-present
- Young Physician Section
  - **Elected Official** – Secretary – 10/1/2017-10/10/2018

#### **American Rhinologic Society**

- Awards Committee Member– 9/1/2015 – 9/30/2016
- Programming Committee – 9/1/2017 – 8/30/2019
- Membership Committee – 9/1/2016-8/30/2022
- International Committee – 9/1/2022

#### **Triologic Society**

- Postgraduate Member

**European Rhinologic Society** – 9/1/2014-present

**Alpha Omega Alpha National Honor Society** – 6/1/2008 - present

**American College of Surgeons** – 9/1/2016-present

- Fellow– 10/1/2018 – present

**Society of University Otolaryngologists** – 9/1/2017 - Present

## **HONORS AND AWARDS**

- Phi Beta Kappa Society (2004)
- American Heart Association Western States Affiliate Medical Student Research Award (2006)
- Alpha Omega Alpha National Honor Society (2008)
- 1<sup>st</sup> place poster in Otolaryngology/Neurotology at the Triologic Society Combined Sections Meeting, Scottsdale, AZ, 1/2013
- Baylor College of Medicine Resident Teaching Award 2014
- UT McGovern Medical School Dean's Teaching Excellence Award 2016-2017, 2017-2018, 2018-2019; 2020-2021, 2021-2022
- UT McGovern Medical School Department of Otorhinolaryngology Faculty Member of the Year

Award 2016-2017, 2020-2021

- Super Doctor Rising Star, Key Professional Media, Inc. 2018, 2019, 2020, 2021
- Houstonia Magazine Top Doctors, 2018, 2021
- Castle Connolly Rising Star 2021
- Castle Connolly Top Doctors 2022

## **EDITORIAL POSITIONS**

### **Otolaryngology – Head and Neck Surgery**

- Reviewer 2015-current

### **American Journal of Rhinology and Allergy**

- Reviewer 2015-current

### **International Forum of Allergy & Rhinology**

- Reviewer 2017-current

### **Rhinology**

- Reviewer 2021-current

### **Laryngoscope**

- Reviewer 2015-current

### **Laryngoscope Investigative Otolaryngology**

- Reviewer 2017-current

### **Annals of Otolaryngology, Rhinology & Laryngology**

- Reviewer 2017-current
- Editorial Board 2017-current

### **Irish Journal of Medical Science**

- Reviewer 2015-current

### **Operative Techniques in Otolaryngology**

- Editorial Board 2017-current
- Guest Editor 2016-2017

## **SERVICE ON THE UT McGOVERN MEDICAL SCHOOL COMMITTEES**

### **RESIDENCY CLINICAL COMPETENCY COMMITTEE**

**7/2015-6/2021**

#### **CHAIR**

Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

### **TEXAS HILL COUNTRY ENT SYMPOSIUM PLANNING COMMITTEE**

**7/2015-3/2016**

Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

### **OTOLARYNGOLOGY ENT RESIDENCY INTERVIEW COMMITTEE**

**7/2015-Current**

Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**LONESTAR RHINOLOGY & RHINOPLASTY PLANNING COMMITTEE** 7/2016-11/2017  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**MCGOVERN MEDICAL SCHOOL INTERVIEW COMMITTEE** 10/2017-Current  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**SERVICE TO COMMUNITY:**

Speaker for University of Houston Alpha Epsilon Delta premedical honor society- 3/2019

**CURRENT TEACHING RESPONSIBILITIES**

**LECTURER FACULTY TEACHING CONFERENCE** 7/2015-Current  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**MEDICAL STUDENT PRECEPTORSHIP** 7/2015-Current  
Department of Otorhinolaryngology – Head and Neck Surgery  
University of Texas McGovern Medical School at Houston

**RESIDENT SUPERVISION, RHINOLOGY CLINICS AND OPERATING ROOM**

12 Residents/1 Fellow  
5 days a week/year round

**FACULTY TEACHING CONFERENCE**

various rhinologic issues to Otolaryngology residents  
1 hour twice a year, 8 – 10 residents in attendance, 2008 – present

**FACULTY FACILITATOR FOR JOURNAL CLUB**

Various rhinologic issues to Otolaryngology residents and interested medical students,  
2-3 hour about 3 times a year, 2015 – present

**DIRECTOR OF UTHEALTH HOUSTON ORL GRAND ROUNDS**

Design and schedule bimonthly Grand Rounds session for the department including inviting professors from different institutions  
Planning committee member  
2020 – present  
2 hours a month

**FACULTY FACILITATOR OF RHINOLOGY ROUNDS**

Review CT sinus scans of OR cases scheduled for the upcoming week  
2015 – 2018

**SPONSORSHIP OF CLINICAL RHINOLOGY FELLOWS**

Kent Lam, M.D., 2015 – 2016  
Michael Marino, M.D, 2016 – 2017  
Alok Saini, M.D., 2017 – 2018  
Jason Talmadge, M.D., 2018-2019

Isaac Schmale, MD, 2019-2020  
Jeffrey Paul Radabaugh, MD, 2020-2021  
Andy Kai Jian Chua, MD, 2021-2022

**SPONSORSHIP OF CANDIDATES DURING RESEARCH ROTATIONS**

Summer Research Program 2018 for MS1  
Shaina Gong, BS – Olfaction following Resection of Bilateral Superior Turbinate  
utilizing Sniffin' Sticks

**SPONSORSHIP OF UNDERGRADUATE STUDENTS**

Tracey Guo, Summer 2021

**CURRENT CLINICAL SERVICE RESPONSIBILITIES**

**ATTENDING SURGEON** **7/2015-Current**  
MEMORIAL HERMANN HOSPITAL – TMC  
HOUSTON, TX

**ATTENDING SURGEON** **7/2015-Current**  
LYNDON B JOHNSON GENERAL HOSPITAL  
HOUSTON, TX

**CURRENT GRANT SUPPORT:**

**Aerin Medical – AERWAY**  
2020-2022  
Title: A Prospective, Multicenter Study of the AERin Medical Vivaer® ARC Stylus for Nasal  
AirWAY Obstruction (AERWAY)  
Role: Site Principal Investigator and National PI

**AstraZeneca Clinical Trial of Benralizumab**  
2018 - present  
Title: A Multicenter, Randomized, Double-Blind, Parallel Group, Placebo Controlled Phase 3  
Efficacy and Safety Study of Benralizumab in Patients with Severe Nasal Polyposis  
The purpose of this study is to determine the efficacy and safety of benralizumab compared with  
placebo in adult participants with chronic rhinosinusitis with nasal polyps (CRSwNP) who have  
failed medical therapy.  
Role: Co-Investigator

**PAST GRANT SUPPORT:**

**Optinose - CHILTERN**  
2019 - 2021  
Title: A 24-Week Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Multicenter  
Study Evaluating the Efficacy and Safety of Intranasal Administration of 186 and 372 µg of  
OPN-375 Twice a Day (BID) in Subjects with Chronic Sinusitis With or Without the Presence  
of Nasal Polyps  
Role: Site Principal Investigator

**Allakos Clinical Trial**  
3/2016 – 3/2018  
Title: A Phase 2, Randomized, Double-blind, Placebo-controlled, Study to Evaluate Multiple Doses  
of AK001 in Patients with Moderate to Severe Nasal Polyposis

Role: Sub-Investigator

**Intersect ENT FDA PROGRESS Clinical Trial**

2014 – 9/2017

Title: Safety and Efficacy of the Propel Mini Steroid-Eluting Sinus Implant Following Surgical Opening of the Frontal Sinus for Chronic Sinusitis: A Randomized Blinded Controlled Study  
The major goal of this study is to determine the clinical efficacy and safety of FDA approved Propel Mini Sinus Implant within the frontal sinus opening following sinus surgery.

Role: Sub-Investigator

Optinose - VISUALIZE

2018 - 2019

Title: A 24-Week Open-Label Study Evaluating the Efficacy and Safety of OPN-375 186 µg Twice a Day (BID) in Adults with Bilateral Nasal Polyps using Nasoendoscopic Video

Role: sub-Investigator

**PUBLICATION**

A. ABSTRACTS

Whiting D, Chun S, Laks H, Gan XH, **Yao W**, Bonavida B. MIG/CXCL9 neutralization attenuates chronic rejection of transplanted hearts. *The Journal of Heart and Lung Transplantation*. 2003 Jan; 22(1 supplemental): s154. Oral Presentation at 23<sup>rd</sup> Annual Meeting International Society of Heart and Lung Transplantation, 4/03

Whiting D, Banerji A, Laks H, Chun S, **Yao W**, Gan XH, Bonavida B, Ardehali A. The role of chemokine MIG/CXCL9 in T-lymphocyte proliferation and cytokine stimulation. *American Journal of Transplantation*. 2003 May; 3(s5): 182. Oral Presentation at American Transplant Congress, 6/03

Schnickel GT, Hsieh GR, Whiting D, Yun JJ, **Yao W**, Fishbein MC, Ardehali A. The Mechanism of CD8 Lymphocyte Function in Chronic Rejection of Heart Transplants. Poster presentation at Western Thoracic Surgical Association. Maui, Hawaii, 6/04

Hsieh GR, Schnickel GT, Garcia C, Shefizadeh A, **Yao W**, and Ardehali A. The Synthetic Peptide D-4F Attenuates Cardiac Allograft Vasculopathy. *The Journal of Heart and Lung Transplantation*. 2005 Feb; 24(2): S52. Oral Presentation at International Society of Heart and Lung Transplantation, Philadelphia, PA, 4/05

Odim J, Saran M, **Yao W**, Kobashigawa J, Laks H. “The Fate of Older Cardiac Allografts in Adolescents.” *American Journal of Transplantation*. 2005 May; 5(s11): 285. Oral Presentation at American Transplant Congress, May 22<sup>nd</sup> 2005.

Odim J, **Yao W**, Saran M, Kobashigawa J, Gjertson D, Laks H. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft. *American Journal of Transplantation*. 2005 May; 5(s11): 220. Poster presentation at American Transplant Congress, May 22<sup>nd</sup>, 2005.

**Yao WC**, Saran M, Laks H, Kobashigawa J, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft. Oral Presentation at Western Student Medical Research Forum Western Regional Meeting, Carmel, CA, 2/05.

**Yao WC**, Laks H, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of

Pediatric Heart Transplantation – An UCLA study from 1984-2006. Oral Presentation at American Heart Association Medical Student Regional Roundtable Meeting, Burlingame, CA, 8/06.

**Yao WC**, Hu R, Jones T, Hoffman L. The Topographic Distribution of Calretinin-Positive Calyces in Otoconia-Deficient Utricles. Poster presentation at Association for Research in Otolaryngology Midwinter Research Meeting, Feb 2007.

**Yao WC**, Saran M, Laks H, Kobashigawa J, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft 2006 update. *Journal of Investigative Medicine*, Vol. 55, (1) #370, 2007. Oral Presentation at Western Student Medical Research Forum Western Regional Meeting, Carmel, CA, 2/07.

Ramakrishnan VR, **Yao W**, Campana J. Skin paddle survival using pectoralis major myocutaneous flap reconstruction of head and neck defects. Oral Presentation at American Academy of Facial Plastic and Reconstructive Surgery, Chicago, IL, 9/08.

**Yao WC**, Grohmann NC, Vrabcic, JT. VEMP Amplitude Intensity Function. Poster presentation at Triologic Society Combined Sections Meeting, Scottsdale, AZ, 1/2013. 1<sup>st</sup> place in Otolaryngology/Neurotology Southern Section.

**Yao WC**, Takashima M. Reinitiating CPAP after Transnasal Endoscopic Pituitary Surgery. Poster presentation at COSM ARS section, Orlando, FL, 4/2013.

**Yao WC**, Regone R, Huyhn N, Butler EB, Takashima M. 3D image reconstruction of CT scans as an adjunct to assist in medical student/resident education in Spatial Orientation of Paranasal Anatomy. Oral Presentation at COSM – Triologic Society, Orlando, FL, 4/2013.

**Yao WC**, Corbitt C, Bender M, Takashima M. Role of Intraoperative Ropivacaine for long term Post-Tonsillectomy Pain Control: A Randomized Control Study. Oral Presentation at American Academy of Otolaryngology 9/2013, Vancouver, BC.

**Yao WC**, Regone R, Takashima M. Enhancing the Safety of Sinus Surgery: The Role of Staining Materials. Poster presentation at COSM – ARS section, Las Vegas, NV, 4/2014.

Regone R, **Yao WC**, Takashima M. Nonfunctional Invasive Pituitary Adenoma without Suprasellar Extension: A Case Report and Review of Literature. Poster presentation at Annual Fall Meeting – ARS section, Orlando, FL, 9/2014.

**Yao WC**, Bleier BS. Centrifugal Frontal Sinus Dissection Technique: Addressing Type III Anterior and Posterior Frontoethmoidal Air Cells. Poster presentation at Annual Fall Meeting – ARS section, Dallas, TX 9/2015.

**Yao WC**, Bleier BS. How I Do It: A Simple, Single Stage Technique to Harvest Optimal Ethmoid Bone Grafts for Caudal Septal Deflections. Poster presentation at Annual Fall Meeting – ARS section, Dallas, TX 9/2015.

Lam K, Bigcas JL, Luong A, **Yao WC**, Citardi M. Balloon Sinus Ostial Dilation with Microsensor Navigation in the Operating Room Setting. Poster presentation at Annual Fall Meeting – ARS section, Dallas, TX 9/2015.

**Yao WC**, Yadav P, Sedaghat AR, Fay A, Metson RB. Balanced Orbital Decompression: Strategies for Optimizing Outcomes in Patients with Graves' Orbitopathy. Oral Presentation at AAO-HNS Annual Meeting Dallas, TX 9/2015.



Lam KK, **Yao WC**. Over-pursuit of Femininity: Frontocutaneous Fistula Formation Following Forehead Recontouring Surgery in a Transgender Patient. Poster presentation at ARS at COSM, Chicago, IL 5/2016.

Lam KK, **Yao WC**, Citardi MJ. Revisiting Autologous Fat Grafts for the Reconstruction of Skull Base Defects during the Endoscopic Era. Poster at ARS at COSM, Chicago, IL 5/2016.

Dennis SK, Caceres KJ, **Yao WC**. Inflammatory Myofibroblastic Pseudotumor Masquerading As Invasive Fungal Sinusitis. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016.

**Yao WC**, Chandra R. Balloon Dilation of the Maxillary and Frontal Ostia: A Comparative Cadaveric Investigation. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016.

Wang BJ, **Yao WC**. Bilateral Silent Sinus Syndrome: A Case Report. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016.

Marino MJ, Luong A, **Yao W**, Citardi MJ. Adjunctive Pain and Anxiety Management for Office-Based Rhinology Procedures. Poster presentation at COSM ARS meeting, San Diego, CA 4/2017.

Marino MJ, Luong A, **Yao W**, Citardi MJ. Management of Odontogenic Cysts by Endonasal Endoscopic Techniques: A Systematic Review and Case Series. Poster presentation at COSM ARS meeting, San Diego, CA 4/2017.

Esianor BI, **Yao WC**. Combination of Antidepressant and Inhalational Anesthesia: a cautionary tale of increased intraoperative bleeding during endoscopic endonasal surgery. Poster presentation at Annual ARS meeting, Chicago, IL 9/2017.

Marino MJ, Ling LC, **Yao WC**, Luong A, Citardi MJ. Eustachian Tube Dysfunction Symptoms in patients treated in a tertiary rhinology clinic. Oral presentation at Annual ARS meeting, Chicago, IL 9/2017.

Esianor BI, **Yao WC**, Roy S. The Role of Steroid Eluting Stents to Decrease Recurrence Risk in Adolescents with Allergic Fungal Rhinosinusitis. Poster presentation at Triologic Society Combined Sections Meeting. Jan 2018.

Vandelaar LJ, Luong A, **Yao WC**, Citardi MJ. Analysis of the sinonasal microbiome in exacerbations of chronic rhinosinusitis subgroups. Oral Presentation at COSM ARS meeting. April 2018.

Ting JH, Saini AT, **Yao WC**. Oropharyngeal squamous cell carcinoma with distant metastasis to clivus. Poster at COSM ARS meeting. April 2018.

Vandelaar LJ, Jiang Z, Saini AT, **Yao WC**, Luong A, Citardi MJ. Depression and CRS: Relation between PHQ-9 and SNOT-22. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018.

Saini AT, Jiang Z, **Yao WC**, Luong A, Citardi MJ. Are NSAIDs Effective Enough for Postoperative Pain Control after Sinonasal Surgery? Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018.

Jensen BT, Holbrook EH, Chen PG, Luong A, Marino MJ, **Yao WC**. The Intraoperative Accuracy of Maxillary Balloon Dilation: A Blinded Trial. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018

Villarreal R, Wrobel BB, Macias-Valle LF, Davis GE, Prihoda TJ, Luong AU, McMains KC, Weitzel EK, **Yao WC**, Brunworth J, Clark DW, Nair S, Valdés CJ, Halderman A, Jang DW, Sivasubramaniam R, Zhang Z, Chen PG.. International assessment of inter- and intrarater reliability of the International Frontal Sinus Anatomy Classification system. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018

Gong SW, Ahmadi S, Blackburn SL, Ulin L, Citardi MJ, Luong AU, **Yao WC**. Sniffin Sticks to Measure Olfactory Function and Recovery Following Bilateral Superior Turbinate Resection. Oral Presentation at ARS Annual Meeting, New Orleans, LA, September 2019.

**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 µg twice daily in adults with bilateral nasal polyps. Oral Presentation at ARS Annual Meeting, New Orleans, LA, September 2019.

Syed FK, Gong SW, Citardi MJ, Luong AU, **Yao WC**. Synechia in patients with primary and revision FESS. Oral Presentation at ARS Annual Meeting, Boston, MA, September 2020.

**Yao WC**, Ow RA, Barham HP. Temperature-Controlled Radiofrequency Treatment of the Nasal Valve and Nasal Airway Obstruction: 6 Month Results of a Prospective, Multi-Center Study. September 2021.

Radabaugh JP, Richani-Riverol K, Luong AU, **Yao WC**, Ho T, Citardi MJ. Transorbital-transsinus resection of sinonasal malignancy with extraconal orbital extension. April 2021.

## **B. REFEREED ORIGINAL ARTICLES IN JOURNALS**

Whiting D, Hsieh G, Yun JJ, Banerji A, **Yao W**, Fishbein MC, Belperio J, Strieter RM, Bonavida B, Ardehali A. Chemokine monokine induced by IFN-gamma/CXC chemokine ligand 9 stimulates T lymphocyte proliferation and effector cytokine production. *J Immunol.* 2004 Jun 15;172(12):7417-24.

Schnickel GT, Whiting D, Hsieh GR, Yun JJ, Fischbein MP, Fishbein MC, **Yao W**, Shafizadeh A, Ardehali A. CD8 Lymphocytes are sufficient for the development of chronic rejection. *Transplantation* 2004;78(11):1634-1639

Ramakrishnan VR, **Yao W**, Campana J. Improved skin paddle survival in pectoralis major Myocutaneous flap reconstruction of head and neck defects. *Archives of Facial Plastic Surgery* 2009; 11(5): 306-310

**Yao W**, Davidson RS, Durairaj VD, Gelston CD. Dry eye syndrome: an update in office management. *Am J Med.* 2011 Nov;124(11):1016-8.

Suzuki C, Nakagawa T, **Yao W**, Sakamoto T, Ito J. The need for intranasal packing in endoscopic sinus surgery. *Acta Otolaryngol Suppl.* 2010 Nov;(563):39-42.

**Yao WC**, Regone R, Huyhn N, Butler EB, Takashima M. 3D image reconstruction of CT scans as an adjunct to assist in medical student/resident education in Spatial Orientation of Paranasal Anatomy. *Laryngoscope.* 2014 Mar; 124(3):596-601.

**Yao WC**, Bleier BS. A Simple, Single Stage Technique to Harvest Optimal Ethmoid Bone Grafts for Caudal Septal Deflections. *Int Forum Allergy Rhinol.* 2015 Jul;5(7):622-5.

**Yao WC**, Bleier BS. Centrifugal Frontal Sinus Dissection Technique: Addressing Type III Anterior and Posterior Frontoethmoidal Air Cells. *Int Forum Allergy Rhinol*. 2015 Aug;5(8):761-3.

**Yao WC**, Regone RM, Takashima M. Enhancing the Safety of Sinus Surgery: The Role of Staining Materials. *Int Forum Allergy Rhinol*. 2015 Sep; 5(9):870-4.

**Yao WC**, Korkmaz H, Korkmaz M, Bleier BS. Safety and Efficacy of Concentrated Topical Epinephrine Use in Endoscopic Endonasal Surgery. *Int Forum Allergy Rhinol*. 2015 Dec;5(12):1118-23.

**Yao WC**, Bleier BS. Endoscopic Management of Orbital Tumors. *Curr Opinion in Otolaryngol Head Neck Surg*. 2016 Feb; 24(1) 57-62.

**Yao WC**, Sedaghat AR, Yadav P, Fay A, Metson RB. Orbital Decompression in the Endoscopic Age: The Modified Inferomedial Orbital Strut (mIOS). *Otolaryngol Head Neck Surg*. 2016 May;154(5):963-9

Korkmaz H, **Yao WC**, Korkmaz M, Bleier BS. Benefit of Preoperative Oral Steroids during Sinus Surgery when Utilizing Concentrated Topical Epinephrine. *ORL J Otorhinolaryngol Relat Spec*. 2016;78(4):216-22

Lam KK, Ho T, **Yao WC**. Sinocutaneous fistula formation after forehead recontouring surgery for transgender patients. *J Craniofac Surg*. 2017 May;28(3):e274-e277.

**Yao WC**, Emerick KS, Kraft S, Holbrook EH. Nasal Melanosis may act as a Harbinger of Melanoma: A Case Report. *Allergy Rhinol (Providence)*. 2016 Jan 1;7(3):164-167.

Lam K, Bigcas JL, Luong A, **Yao W**, Citardi MJ. Flexible microsensor technology for real-time navigation tracking in balloon sinus ostial dilation. *Allergy Rhinol (Providence)*. 2017 Mar 1;8(1):20-24.

**Yao WC**, Corbitt CA, Takashima M. Role of Intraoperative Ropivacaine in Adult Post-Tonsillectomy Pain Control: A Randomized Control Trial. *Ear Nose Throat J*. 2017 Apr-May;96(4-5):E39-E43

Marino MJ, Ling LC, **Yao WC**, Luong A, Citardi MJ. Eustachian Tube Dysfunction Symptoms in patients treated in a tertiary rhinology clinic. *Int Forum Allergy Rhinol*. 2017 Dec;7(12):1135-39.

Marino MJ, Luong A, **Yao WC**, Citardi MJ. Management of Odontogenic Cysts by Endonasal Endoscopic Techniques: A Systematic Review and Case Series. *Am J Rhinol Allergy*. 2018 Jan 1;32(1):40-45.

**Yao WC**. Preface to Surgical Techniques of Emergencies in Otolaryngology. *Operative Techniques in Otolaryngology*. (2017) 28, 197.

Lam KK, Luong A, **Yao WC**. Endoscopic Management of Anterior and Posterior Epistaxis. *Operative Techniques in Otolaryngology*. (2017) 28, 198-204.

Tyler MA, Citardi MJ, **Yao WC**. Management of Retrobulbar Hematoma. *Operative Techniques in Otolaryngology*. Dec 2017. (2017) 28, 208-213.

Tyler MA, Zhang CC, Saini A, **Yao WC**. Cutting edge Endonasal Surgical Approaches to Thyroid Ophthalmopathy. *Laryngoscope Investigative Otolaryngology*. Laryngoscope Investig Otolaryngol. 2018 Feb 26;3(2):100-104.

Dennis SK, Caceres KJ, **Yao WC**. A Case of Mistaken Inflammatory Pseudotumor. *Clin Rhinol An Int J* 2018;11(1):21-24.

Lam K, Luong AU, **Yao WC**, Citardi MJ. Use of Autologous Fat Grafts for the Endoscopic Reconstruction of Skull Base Defects: Indications, Outcomes, and Complications. *Am J Rhino Allergy*. 2018 Jul;32(4):310-317.

Villarreal R, Wrobel BB, Macias-Valle LF, Davis GE, Prihoda TJ, Luong AU, McMains KC, Weitzel EK, **Yao WC**, Brunworth J, Clark DW, Nair S, Valdés CJ, Halderman A, Jang DW, Sivasubramaniam R, Zhang Z, Chen PG.. International assessment of inter- and intrarater reliability of the International Frontal Sinus Anatomy Classification system. *Int Forum Allergy Rhinol*. 2019 Jan;9(1):39-45.

Jensen BT, Holbrook EH, Chen PG, Luong A, Marino MJ, **Yao WC**. The Intraoperative Accuracy of Maxillary Balloon Dilatation: A Blinded Trial. *Int Forum Allergy Rhinol*. 2019 May;9(5):452-457.

Marino MJ, Luong A, **Yao WC**, Citardi MJ. Nonpharmacological Relaxation Technology for Office-Based Rhinologic Procedures. *ORL J Otorhinolaryngol Relat Spec*. 2019 Mar 5;81(1):48-54.

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 Oct;129(10):2230-2235.

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. *Otolaryngol Head Neck Surg*. 2019 Dec;161(6):1043-1047.

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 Sep 17;3(3):2473974X19875100.

Talmadge J, Nayak JV, **Yao W**, Citardi MJ. Management of Postsurgical Empty Nose Syndrome. *Facial Plast Surg Clin North Am*. 2019 Nov;27(4):465-475.

Vandelaar LJ, Jiang ZY, Saini A, **Yao WC**, Luong AU, Citardi MJ. PHQ-9 and SNOT-22: Elucidating the Prevalence of Depression in Chronic Rhinosinusitis. *Otolaryngol Head Neck Surg*. 2020 Jan;162(1):142-147.

Lu G, Shiver T, Blackburn S, **Yao WC**, Bhattacharjee MB, Zhu JJ. Full Remission of Long-term Premenstrual Dysphoric Disorder -like Symptoms Following Resection of A Pituitary Adenoma, A Case Report. *Am J Case Rep*. 2020 Aug 8.

**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 µg twice daily in adults with bilateral nasal polyps. *Rhinology Online*

LeConte B, Low GMI, Citardi MJ, **Yao WC**, Eguia AA, Luong AU. Aerosol generation with common rhinologic devices: cadaveric study conducted in a surgical suite. *Int Forum Allergy Rhinol*. 2020 Nov;10(11):1261-1263.

Christopherson DA, **Yao WC**, Lu M, Vijayakumar R, Sedaghat AR. High-Efficiency Particulate Air Filters in the Era of COVID-19: Function and Efficacy. *Otolaryngol Head Neck Surg*. 2020 Dec;163(6):1153-1155.

Zebda D, Jiang ZY, Gibson MM, Pham C, Ahmadi S, Floren S, **Yao WC**, Citardi MJ, Luong AU. Double-blinded randomized prospective trial of intranasal capsaicin treatment for nonallergic rhinitis *Int Forum Allergy Rhinol*. 2020 Jul 7.

Gong SW, Ahmadi S, Blackburn SL, Ulin L, Citardi MJ, Luong AU, **Yao WC**. Sniffin Sticks to Measure Olfactory Function and Recovery Following Bilateral Superior Turbinate Resection. *Ann Otol Rhinol Laryngol*. 2021 Jun;130(6):636-642.

Chen PG, Levy JM, Choby G, Smith K, **Yao WC**, Halderman A, Oakley GM, Brunworth J, Alt JA. Characterizing the complexity of frontal endoscopic sinus surgery: a multi-institutional, prospective, observational trial. *Int Forum Allergy Rhinol*. 2021 May;11(5):941-945.

Schmale IL, **Yao WC**, Luong AU, Citardi MJ. The role of CT and endoscopy in the evaluation of patients referred for intranasal Cryoablation. *Am J Otolaryngol*. 2021 Jul-Aug;42(4)

Jiang ZY, Huang Z, Schmale I, Brown EL, Lorenz MC, Patlovich SJ, Goswami K, Wilson HB, Ahmad J, Alexander R, Bryan W, Burke L, Citardi MJ, Elias J, Ho T, Jacob J, Low G, Miramón P, Patki AU, **Yao WC**, Luong AU. N95 respirator reuse, decontamination methods, and microbial burden: A randomized controlled trial. *Am J Otolaryngol*. 2021 Mar 31;42(5):103017.

Tyler MA, Lam K, Marino MJ, **Yao WC**, Schmale I, Citardi MJ, Luong AU. Revisiting the controversy: The role of fungi in chronic rhinosinusitis. *Int Forum Allergy Rhinol*. 2021 Nov;11(11):1577-1587.

Talmadge J, Jiang ZY, Zebda DA, **Yao WC**, Luong AU, Citardi MJ. Contour Map Point Distribution and Surgeon Experience Level Affect Accuracy of Surgical Navigation in a Pilot Study. *Ann Otol Rhinol Laryngol*. 2021 Jun 13

**Yao WC**, Ow RA, Barham HP. Temperature-Controlled Radiofrequency Treatment of the Nasal Valve and Nasal Airway Obstruction: Early Results of a Prospective, Multi-Center Study. *J Otolaryngol Rhinol* 7:104. July 2021. doi.org/10.23937/2572-4193.1510105

Radabaugh JP, Asi K, Jiang ZY, Jayavelu S, **Yao WC**, Luong AU, Citardi MJ. Assessing the utility of intrathecal fluorescein in endoscopic repair of anterior skull base cerebrospinal fluid leaks. *Int Forum Allergy Rhinol*. 2022 Jul;12(7):967-970.

Schmale IL, **Yao WC**, Citardi MJ. Hydraulic Dissection Technique During Endoscopic Sinus Surgery Using a Novel Balloon Sinus Dilation Device. *Laryngoscope Investig Otolaryngol*. 2021 Aug 19;6(5):899-903.

Saini AT, Jiang ZY, Starr NC, Talmadge J, Schmale I, Radabaugh P, **Yao WC**, Luong AU, Citardi MJ. Are nonsteroidal anti-inflammatory drugs effective enough for postoperative pain control after functional endoscopic sinus surgery and septoplasty? A randomized, controlled study. *Int Forum Allergy Rhinol*. Jul;12(7):910-916.

Radabaugh JP, Richani-Riverol K, Luong AU, **Yao WC**, Ho T, Citardi MJ. Transorbital-transsinus resection of sinonasal malignancy with extraconal orbital extension. *Int Forum Allergy Rhinol*. 2022 Jan;12(1):128-131.

Talmadge J, Jiang ZY, Zebda DA, **Yao WC**, Luong AU, Citardi MJ. Contour Map Point Distribution and Surgeon Experience Level Affect Accuracy of Surgical Navigation in a Pilot Study. *Ann Otol Rhinol Laryngol*. 2022 Apr;131(4):397-402.

Liu M, Gardner J, Woodworth B, Jang D, Kanaan A, Radabaugh J, **Yao WC**, Goros M, Challa M, Grayson J, Wang Z, Chen PG. Individual SNOT-22 Items Aid in Differentiating Between Spontaneous Cerebrospinal Fluid Rhinorrhea and Chronic Rhinosinusitis Without Nasal Polyps. Accepted for publication *Ann Otol Rhinol Laryngol*. 5/2022

### C. INVITED ARTICLES

Citardi MJ, **Yao W**, Luong A. Next-Generation Navigation Systems in Sinus and Skull Base Surgery. *Otolaryngol Clin North Am*. 2017 Jun;50(3):617-632.

Marino MJ, Citardi MJ, **Yao WC**, and Luong A. Image guidance in endoscopic sinus surgery: Where are we heading? *Curr Otorhinolaryngol Rep*. 2017 March; 5(1): 8–15.

Saini AT, Citardi MJ, **Yao WC**, Luong AU. Office-Based Sinus Surgery. *Otolaryngol Clin North Am*. 2019 Jun;52(3):473-483.

Luong AU, Sun H, **Yao WC**. Contributions of Innate Lymphoid Cells in Chronic Rhinosinusitis. *Curr Allergy Asthma Rep*. 2019 Mar 22;19(5):28.

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 J*. 2021 Dec;100(10):NP475-NP486.

### BOOK CHAPTERS

**Yao WC**, Kupferman ME. Surgical Management of Encephaloceles. *Head and Neck Surgery* 2<sup>nd</sup> Edition. In Print

**Yao WC**, Suh JD, Ramakrishnan VR. Skull Base Surgery. *ENT Secrets*. 4<sup>th</sup> Edition. Skull Base Surgery. Chapter 19 130-8. 2016

**Yao WC**, Suh JD, Ramakrishnan VR. Skull Base Surgery. *ENT Secrets*. 5<sup>th</sup> Edition. Skull Base Surgery. Chapter 20. 2022

### Online Publication

McKee SP, Radabaugh JP, Citardi MJ, **Yao WC**. Fungal Sinusitis. Education module. DeckerMed e-Learning Platform. *Otolaryngology* July 2021  
<https://www.deckerip.com/products/otolaryngology/> (2021).

**Yao WC**. In-office Treatment of an Expansile Sphenoid Mucocele. *International Forum of Allergy and Rhinology*. Case of the Month. Online educational series. February 2018.

## **LOCAL and REGIONAL PRESENTATIONS**

**Yao WC.** Hereditary Hemorrhagic Telangiectasia, Baylor College of Medicine, Houston, TX. Nov 2010

**Yao WC.** Plexiform Neurofibromatosis, Baylor College of Medicine, Houston, TX. Feb 2011

**Yao WC.** Recurrent Respiratory Papillomatosis, Baylor College of Medicine, Houston, TX. June 2011

**Yao WC.** Tympanic Membrane Perforation, Baylor College of Medicine, Houston, TX. Sept 2011

**Yao WC.** Aural Atresia, Baylor College of Medicine, Houston, TX. Feb 2012

**Yao WC.** Tonsillectomy Management Options, Baylor College of Medicine, Houston, TX. Jun 2012

**Yao WC.** Recurrent Papillary Thyroid Carcinoma, Baylor College of Medicine, Houston, TX. Oct 2012

**Yao WC,** Paranasal Sinus and Anterior Skull Base 3-D Anatomy Lecture. Baylor Otolaryngology Core Curriculum Course at PLATOs CAVE, Houston Methodist Hospital. 7/2012

**Yao WC.** Encephalocele: Postoperative Management When Patients are Utilizing CPAP Therapy, Baylor College of Medicine, Houston, TX. Mar 2013

**Yao WC.** Chronic Rhinosinusitis: The diagnosis and postsurgical management, Baylor College of Medicine, Houston, TX. Nov 2013

**Yao WC.** Chronic Rhinosinusitis: The diagnosis and postsurgical management, Baylor College of Medicine, Houston, TX. Nov 2013

**Yao WC,** Management of Recurrent Papillary Thyroid Carcinoma. Head and Neck Didactic Conference, MD Anderson Cancer Center, Houston, TX. Sept 18 2012

**Yao WC.** Orbital Surgery in the Endoscopic Age. Texas Hill Country ENT Symposium. Lost Pines, TX. 4/2016

**Yao WC.** Sinonasal Inverted Papilloma – It's All About the Base. ORL Frontiers. Houston, TX. 6/2016.

**Yao WC.** Postop Care after FESS: From Protocol to Personalization. Texas Association of Otolaryngology Annual Meeting. Houston, TX. 5/6/2017 [Panel Member]

**Yao WC.** Adult Sinusitis. UT Houston Department of Family Medicine Grand Rounds. Houston, TX. 4/2018.

**Yao WC.** Transsphenoidal Hypophysectomy: One Surgeon's Approach. Texas Hill Country ENT

Symposium. Lost Pines, TX. 4/2018

**Yao WC.** Anatomic Landmarks for Endoscopic Orbital Surgery. BCM Otolaryngology Sinus Course at MITIE, Houston, TX 6/2019.

**Yao WC.** Orbital Surgery in the Endoscopic Age. ORL Frontiers. Houston, TX. 6/2019.

**Yao WC,** Chiu AG, Citardi MJ, Luong AU. Rhinology Panel: Maximizing FESS Outcomes. ORL Frontiers. Houston, TX. 6/2019. [Panel Moderator]

**Yao WC.** Adult Sinusitis. UT Houston Department of Internal Medicine Grand Rounds. Houston, TX. 2/2021.

**Yao WC.** Acute and Chronic Sinusitis. UT Houston Department of Family Medicine Grand Rounds. Houston, TX. 9/2021.

## NATIONAL PRESENTATIONS

Whiting D, Chun S, Laks H, Gan XH, **Yao W,** Bonavida B. MIG/CXCL9 neutralization attenuates chronic rejection of transplanted hearts. *The Journal of Heart and Lung Transplantation.* 2003 Jan; 22(1 supplemental): s154. 23<sup>rd</sup> Annual Meeting International Society of Heart and Lung Transplantation, 4/03

Whiting D, Banerji A, Laks H, Chun S, **Yao W,** Gan XH, Bonavida B, Ardehali A. The role of chemokine MIG/CXCL9 in T-lymphocyte proliferation and cytokine stimulation. *American Journal of Transplantation.* 2003 May; 3(s5): 182. American Transplant Congress, 6/03

Schnickel GT, Hsieh GR, Whiting D, Yun JJ, **Yao W,** Fishbein MC, Ardehali A. The Mechanism of CD8 Lymphocyte Function in Chronic Rejection of Heart Transplants. Western Thoracic Surgical Association. Maui, Hawaii, 6/04 Poster Presentation

Hsieh GR, Schnickel GT, Garcia C, Shefizadeh A, **Yao W,** and Ardehali A. The Synthetic Peptide D-4F Attenuates Cardiac Allograft Vasculopathy. *The Journal of Heart and Lung Transplantation.* 2005 Feb; 24(2): S52. International Society of Heart and Lung Transplantation, Philadelphia, PA, 4/05

Odim J, Saran M, **Yao W,** Kobashigawa J, Laks H. “The Fate of Older Cardiac Allografts in Adolescents.” *American Journal of Transplantation.* 2005 May; 5(s11): 285. American Transplant Congress, May 22<sup>nd</sup> 2005. Oral

Odim J, **Yao W,** Saran M, Kobashigawa J, Gjertson D, Laks H. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft. *American Journal of Transplantation.* 2005 May; 5(s11): 220. American Transplant Congress, May 22<sup>nd</sup>, 2005. Poster.

**Yao WC,** Saran M, Laks H, Kobashigawa J, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft. Western Student Medical Research Forum Western Regional Meeting, Carmel, CA, 2/05. **Oral Presentation**

**Yao WC,** Laks H, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of



Pediatric Heart Transplantation – An UCLA study from 1984-2006. American Heart Association Medical Student Regional Roundtable Meeting, Burlingame, CA, 8/06. **Oral Presentation**

**Yao WC**, Hu R, Jones T, Hoffman L. The Topographic Distribution of Calretinin-Positive Calyces in Otoconia-Deficient Utricles. Association for Research in Otolaryngology Midwinter Research Meeting, Feb 2007. **Poster Presentation**

**Yao WC**, Saran M, Laks H, Kobashigawa J, Gjertson D, Odum J. The Influence of Adverse Donor Factors on Outcome of Pediatric Heart Transplantation – The Marginal Donor Allograft 2006 update. *Journal of Investigative Medicine*, Vol. 55, (1) #370, 2007. Western Student Medical Research Forum Western Regional Meeting, Carmel, CA, 2/07. **Oral Presentation**

Ramakrishnan VR, **Yao W**, Campana J. Skin paddle survival using pectoralis major myocutaneous flap reconstruction of head and neck defects. American Academy of Facial Plastic and Reconstructive Surgery, Chicago, IL, 9/08. Oral Presentation

**Yao WC**, Grohmann NC, Vrabcic, JT. VEMP Amplitude Intensity Function. Triologic Society Combined Sections Meeting, Scottsdale, AZ, 1/2013. 1<sup>st</sup> place in Otolaryngology/Neurotology Southern Section. **Poster**

**Yao WC**, Takashima M. Reinitiating CPAP after Transnasal Endoscopic Pituitary Surgery. COSM ARS section, Orlando, FL, 4/2013. **Poster**

**Yao WC**, Regone R, Huyhn N, Butler EB, Takashima M. 3D image reconstruction of CT scans as an adjunct to assist in medical student/resident education in Spatial Orientation of Paranasal Anatomy. COSM – Triologic Society, Orlando, FL, 4/2013. **Oral Presentation**

**Yao WC**, Corbitt C, Bender M, Takashima M. Role of Intraoperative Ropivacaine for long term Post-Tonsillectomy Pain Control: A Randomized Control Study. American Academy of Otolaryngology 9/2013, Vancouver, BC. **Oral Presentation**

**Yao WC**, Regone R, Takashima M. Enhancing the Safety of Sinus Surgery: The Role of Staining Materials. COSM – ARS section, Las Vegas, NV, 4/2014. **Poster**

Regone R, **Yao WC**, Takashima M. Nonfunctional Invasive Pituitary Adenoma without Suprasellar Extension: A Case Report and Review of Literature. Annual Fall Meeting – ARS section, Orlando, FL, 9/2014. **Poster**

**Yao WC**, Bleier BS. Centrifugal Frontal Sinus Dissection Technique: Addressing Type III Anterior and Posterior Frontoethmoidal Air Cells. Annual Fall Meeting – ARS section, Dallas, TX 9/2015. **Poster**

**Yao WC**, Bleier BS. How I Do It: A Simple, Single Stage Technique to Harvest Optimal Ethmoid Bone Grafts for Caudal Septal Deflections. Annual Fall Meeting – ARS section, Dallas, TX 9/2015. **Poster**

Lam K, Bigcas JL, Luong A, **Yao WC**, Citardi M. Balloon Sinus Ostial Dilation with Microsensor Navigation in the Operating Room Setting. Annual Fall Meeting – ARS section, Dallas, TX 9/2015. **Poster**

**Yao WC**, Yadav P, Sedaghat AR, Fay A, Metson RB. Balanced Orbital Decompression: Strategies for Optimizing Outcomes in Patients with Graves' Orbitopathy. AAO-HNS Annual Meeting Dallas, TX 9/2015. **Oral Presentation**

Lam KK, **Yao WC**. Over-pursuit of Femininity: Frontocutaneous Fistula Formation Following Forehead Recontouring Surgery in a Transgender Patient. Poster at ARS at COSM, Chicago, IL 5/2016. Poster

Lam KK, **Yao WC**, Citardi MJ. Revisiting Autologous Fat Grafts for the Reconstruction of Skull Base Defects during the Endoscopic Era. Poster at ARS at COSM, Chicago, IL 5/2016. Poster

Dennis SK, Caceres KJ, **Yao WC**. Inflammatory Myofibroblastic Pseudotumor Masquerading As Invasive Fungal Sinusitis. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016. Poster

**Yao WC**, Chandra R. Balloon Dilation of the Maxillary and Frontal Ostia: A Comparative Cadaveric Investigation. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016. Poster

Wang BJ, **Yao WC**. Bilateral Silent Sinus Syndrome: A Case Report. Poster presentation at Annual ARS meeting, San Diego, CA 9/2016. Poster

Marino MJ, Luong A, **Yao W**, Citardi MJ. Adjunctive Pain and Anxiety Management for Office-Based Rhinology Procedures. Poster presentation at COSM ARS meeting, San Diego, CA 4/2017. Poster

Marino MJ, Luong A, **Yao W**, Citardi MJ. Management of Odontogenic Cysts by Endonasal Endoscopic Techniques: A Systematic Review and Case Series. Poster presentation at COSM ARS meeting, San Diego, CA 4/2017. Poster

Esianor BI, **Yao WC**. Combination of Antidepressant and Inhalational Anesthesia: a cautionary tale of increased intraoperative bleeding during endoscopic endonasal surgery. Poster presentation at Annual ARS meeting, Chicago, IL 9/2017. Poster

Marino MJ, Ling LC, **Yao WC**, Luong A, Citardi MJ. Eustachian Tube Dysfunction Symptoms in patients treated in a tertiary rhinology clinic. Oral presentation at Annual ARS meeting, Chicago, IL 9/2017.

Esianor BI, **Yao WC**, Roy S. The Role of Steroid Eluting Stents to Decrease Recurrence Risk in Adolescents with Allergic Fungal Rhinosinusitis. Poster presentation at Triologic Society Combined Sections Meeting. Jan 2018. Poster.

Vandelaar LJ, Luong A, **Yao WC**, Citardi MJ. Analysis of the sinonasal microbiome in exacerbations of chronic rhinosinusitis subgroups. Oral Presentation at COSM ARS meeting. April 2018.

Ting JH, Saini AT, **Yao WC**. Oropharyngeal squamous cell carcinoma with distant metastasis to clivus. Poster at COSM ARS meeting. April 2018.

Vandelaar LJ, Jiang Z, Saini AT, **Yao WC**, Luong A, Citardi MJ. Depression and CRS: Relation between PHQ-9 and SNOT-22. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018.

Saini AT, Jiang Z, **Yao WC**, Luong A, Citardi MJ. Are NSAIDs Effective Enough for Postoperative Pain Control after Sinonasal Surgery? Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018.

Jensen BT, Holbrook EH, Chen PG, Luong A, Marino MJ, **Yao WC**. The Intraoperative Accuracy of Maxillary Balloon Dilation: A Blinded Trial. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018

Villarreal R, Wrobel BB, Macias-Valle LF, Davis GE, Prihoda TJ, Luong AU, McMains KC, Weitzel EK, **Yao WC**, Brunworth J, Clark DW, Nair S, Valdés CJ, Halderman A, Jang DW, Sivasubramaniam R, Zhang Z, Chen PG.. International assessment of inter- and intrarater reliability of the International Frontal Sinus Anatomy Classification system. Oral Presentation at ARS Annual Meeting. Atlanta, GA, October 2018

Gong SW, Ahmadi S, Blackburn SL, Ulin L, Citardi MJ, Luong AU, **Yao WC**. Sniffin Sticks to Measure Olfactory Function and Recovery Following Bilateral Superior Turbinate Resection. Oral Presentation at ARS Annual Meeting, New Orleans, LA, September 2019.

**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 µg twice daily in adults with bilateral nasal polyps. Oral Presentation at ARS Annual Meeting, New Orleans, LA, September 2019.

Syed FK, Gong SW, Citardi MJ, Luong AU, **Yao WC**. Synechiae in patients with primary and revision FESS. Oral Presentation at ARS Annual Meeting, Boston, MA, September 2020.

**Yao WC**, Ow RA, Barham HP. Temperature-Controlled Radiofrequency Treatment of the Nasal Valve and Nasal Airway Obstruction: Early Results of a Prospective, Multi-Center Study. Oral Presentation at ARS Annual Meeting. Los Angeles, CA September 2021

Liu M, Gardener J, Woodworth B, Jang D, Radabaugh JP, **Yao WC**, Goros M, Challa M, Wang Z, Chen PG. SNOT-22 scores aid in differentiating between spontaneous cerebrospinal fluid rhinorrhea and chronic rhinosinusitis without nasal polyps. Poster Presentation at ARS Spring Meeting. Dallas, TX April 2022.

Liu M, Woodworth BA, Kanaan A, Jang DW, **Yao WC**, Radabaugh JP, Gardner JR, Goros M, Grayson JW, Wang Z, Chen PG. SNOT-22 quality of life scores improve after endoscopic endonasal repair of spontaneous cerebrospinal fluid rhinorrhea. Oral Presentation at ARS Spring Meeting. Dallas, TX April 2022.

Ahmad JG, Citardi AJ, Luong AU, **Yao WC**. Novel Three-Dimensional Printed Models to Accelerate Resident Surgical Learning Curve for Standard Endoscopic Sinus Surgery Techniques. Oral Presentation at ARS Spring Meeting. Dallas, TX April 2022.

#### **AMERICAN RHINOLOGIC SOCIETY MODERATOR ACTIVITY**

**Yao WC**. Moderator for Scientific Session. ARS Spring Meeting at COSM, National Harbor, MD 4/2018.

**Yao WC**. Moderator for Scientific Session. at ARS Annual Meeting. Atlanta, GA, October 2018.

**Yao WC**. Moderator for Scientific Session. Rhinoworld. Chicago, IL 6/2019.

**Yao WC**. Moderator for Scientific Session. at ARS Annual Meeting. New Orleans, LA, 9/2019.

#### **AMERICAN ACADEMY OF OTOLARYNGOLOGY-HEAD AND NECK SURGERY FOUNDATION MODERATOR ACTIVITY**

**Yao WC.** Moderator for Scientific Session. annual AAOHNS meeting. New Orleans, LA, 9/2019.

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

Citardi MJ, Luong A, **Yao WC.** Managing cerebrospinal fluid leak from the anterior skull base. Mini Seminar at annual AAOHNS meeting, San Diego, CA 9/2016.

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

Luong A, Lam KK, **Yao WC.** Managing cerebrospinal fluid leak from the anterior skull base. Instructional Course at annual AAOHNS meeting, Chicago, IL. 2017.

Luong A, Lam KK, **Yao WC.** Managing cerebrospinal fluid leak from the anterior skull base. Instructional Course at annual AAOHNS meeting, Atlanta, GA. 2018.

**REGIONAL MEDICAL EDUCATION COURSE FACULTY**

**2019 ORL Frontiers.** Sponsored by the University of Texas McGovern Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (Jun 28, 2019). **Course Co-Director, and Lecturer** (“Endoscopic Orbital Surgery” and “Rhinology Panel: Maximizing FESS Outcomes”).

**CONTINUING MEDICAL EDUCATION COURSE FACULTY**

**Yao WC.** Orbital Surgery in the Endoscopic Age. Sponsored by UTMB Endoscopic Sinus & Skull Base Course, TX. Course Faculty. July 28-29, 2016

**2016 Texas Hill Country ENT Symposium.** Sponsored by the University of Texas McGovern Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (Apr 2-3, 2016). **Planning Committee, and Lecturer** (“Orbital Surgery in the Endoscopic Age” and “Chronic Sinusitis Panel”).

**2017 Lonestar Rhinology.** Sponsored by the University of Texas McGovern Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (Nov 3-4, 2017). **Co-course Director, Lecturer** (“Postoperative care,” “Primary frontal sinus surgery,” “Inverted papilloma,” “Endoscopic orbital surgery,” “Frontal sinus surgery panel,” and “Recalcitrant rhinosinusitis panel”) **and Laboratory Instructor.**

**2018 Texas Hill Country ENT Symposium.** Sponsored by the University of Texas McGovern Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (Apr 28-29, 2018). **Lecturer** (“Transsphenoidal Hypophysectomy: One Surgeon’s Approach” and “In-Office sinus surgery Panel”).

**Advanced Otolaryngology 2022.** Sponsored by the Cedars-Sinai Medical Center. Virtual Format (Mar 19 2022). **Panel Member, Speaker** (“In Office Nasal Valve Surgery” and “Runny Nose: to Freeze or Burn”).

**2022 Texas Hill Country ENT Symposium.** Sponsored by the University of Texas McGovern Medical School at Houston, Department of Otorhinolaryngology, Houston, TX (Mar 26-27, 2022).

**Faculty** (“Optimal Topical Management of Chronic Sinusitis”).

#### **INTERNATIONAL PROFESSORSHIPS**

**Yao WC.** Becoming an Otolaryngologist- Head and Neck Surgeon. 112<sup>TH</sup> Annual Meeting of ORL Society of Japan. Kyoto, Japan. May 2011. Panel and presentation. Invited Panelist

**Yao WC.** Updates in New Rhinology Technology. Endoscopic Surgery of the Sinuses, Eustachian Tube and Ear. Massachusetts Eye and Ear Infirmary – Harvard Medical School. Boston, MA. 3/2015

**Yao WC.** Orbital Surgery in the Endoscopic Age. Grand Rounds. Kyoto University Department of Otolaryngology Kyoto, Japan. 3/2016

**Yao WC.** Advanced Endoscopic Orbital Surgery. Peoples Hospital of Yangzhou, China. 7/2018  
Live Surgical Instruction and guidance to local ENTs

**Yao WC.** Transsphenoidal Hypophysectomy: One Surgeon’s Approach. Rhinologia 2021. Sociedad Mexicana De Otorhinolaringologia y Cirugia de Cabeza y Cuello. Mexico. 8/3/2021

#### **VISITING NATIONAL PROFESSORSHIP**

**Yao WC.** Orbital Decompression: The Past, Present and the Future, University of Texas - Houston, Houston, TX. Nov 2014

**Yao WC.** Orbital Decompression: The Past, Present and the Future, University of California Davis, Sacramento, CA. Nov 2014

**Yao WC.** Anatomic Landmarks for Endoscopic Orbital Surgery. BCM Otolaryngology Sinus Course at MITIE, Houston, TX 6/2019.

**Yao WC.** In-Office Rhinologic Procedures: Is it a fad or here to stay?. Massachusetts Eye and Ear Infirmary Harvard Medical School Grand Rounds. Boston, MA. 3/2022.