

CURRICULUM VITAE

ZHEN "JANE" HUANG, MD, MBA

April 2020

PRESENT TITLE:

Assistant Professor of Otorhinolaryngology-Head and Neck Surgery
The University of Texas Health Science Center at Houston
Houston, TX

WORK ADDRESS:

6431 Fannin St, MSB 5.036
Houston, TX 77030

CITIZENSHIP:

USA

UNDERGRADUATE EDUCATION:

Dartmouth College, Hanover, NH
Magna Cum Laude
Bachelor of Arts in Psychology and Brain Sciences
June 2005

GRADUATE EDUCATION:

Geisel School of Medicine at Dartmouth, Hanover, NH
Doctor of Medicine, Cum Laude
June 2010

Tuck School of Business at Dartmouth, Hanover, NH
Master of Business Administration
June 2010

POSTGRADUATE TRAINING:

Baylor College of Medicine, Houston, TX
Residency in Bobby R. Alford Department of Otolaryngology-Head and Neck Surgery
June 2010-2015

Children's National Medical Center, Washington, DC
ACGME-accredited fellowship in Pediatric Otolaryngology
July 2015-2016

ACADEMIC AND ADMINISTRATIVE APPOINTMENTS:

Assistant Professor
Department of Otorhinolaryngology-Head and Neck Surgery
The University of Texas Health Science Center at Houston
September 2016 – present

HOSPITAL APPOINTMENTS:

Attending Surgeon
Children’s Memorial Hermann Hospital – TMC
Houston, TX
September 2016 – present

Attending Surgeon
Lyndon B. Johnson Hospital – Harris Health System
Houston, TX
September 2016 – present

LICENSURE:

DC Medical License: MD043015, 2015-2016

Texas Medical License: R0250, 2016 to present

CERTIFICATION:

Board-certified in Otolaryngology-Head and Neck Surgery

PROFESSIONAL ORGANIZATIONS:

LOCAL:

Washington Metro Otolaryngology Society, 2015 – 2016
Houston Society of Otolaryngology, 2016 – present

REGIONAL:

Texas Medical Association, 2011 – 2018
Harris County Medical Society, 2017 – 2018

NATIONAL:

American Medical Association, 2016 – present
American Academy of Otolaryngology-Head and Neck Surgery, 2011 – present
American College of Surgeons, 2018 – present
American College of Surgeons Fellow, 2019 - present

HONORS AND AWARDS:

Arlington High School Valedictorian (class of 660 students), 5/2011
Dartmouth College Rufus Choate Scholar (top 5% of class), 6/2004-6/2005
Dartmouth College Presidential Scholar with Honors in Senior Research Thesis, 6/2005
Award for Best Pitch Presentation at Tuck School of Business, 9/2009

Tuck School of Business Dr. Constantine Hampers Leaders in Healthcare Scholar, 6/2010
Texas Super Doctors Rising Stars, 2018, 2019, 2020

SERVICE ON GRADUATE SCHOOL COMMITTEES:

Dartmouth Alumni Interview Committee, 2/2015 - present

SERVICE TO THE COMMUNITY/ACTIVITIES:

Teacher and Chair of Little Dancers, Hanover, NH, 9/2001-6/2005

Taught Chinese dance to elementary school girls who performed for the community and in events such as the Festival for Humanity to benefit nonprofit organizations

Program Director, Chinese Lunar New Year Festival, Hanover, NH, 1/2009

Organized food, entertainment, and choreography of fan, sword, and ribbon dances for over 150 audience members

Luxury Brand Management, ESSEC Business School, Cergy-Pontoise, France, 4/2009

Completed elite exchange program in marketing for luxury brands such as Louis Vuitton

Consultant for Adimab, Hanover, NH, 3/2010

Initiated analysis for successful \$10M biotechnology joint venture to develop therapeutic monoclonal antibodies to infectious disease targets

Co-creator of Resident Call Schedule App, Houston, TX, 2/2015

Co-developed a computer program that automatically generates a call schedule based on preferences and PGY class

CURRENT CLINICAL SERVICE RESPONSIBILITIES:

Attending Surgeon

Children's Memorial Hermann Hospital – TMC

Houston, TX

September 2016 – present

Attending Surgeon

Lyndon B. Johnson Hospital – Harris Health System

Houston, TX

September 2016 – present

PUBLICATIONS:

A. Refereed Original Articles in Journals

1. Chatterjee A, **Huang Z**, Finlayson, S. Do higher paying surgical specialties create greater competition for residency positions? *Journal of the American College of Surgeons*. 209(3S): S115, 2009.
2. Singh, S, Tokhunts, R, Baubet, V, Goetz, JA, **Huang, Z**, Schilling, NS, Black, KE, MacKenzie, TA, Dahmane, NA, and Robbins, DJ. Sonic Hedgehog mutations identified

- in holoprosencephaly patients can act in a dominant negative manner. *Human Genetics*. 125(1):95-103, 2009.
3. Tokhunts, R, Singh, S, Chu, T, D'Angelo, G, Baubet, V, Goetz, JA, **Huang, Z**, Yuan, Z, Ascano, M, Zavros, Y, Thérond, PP, Kunes, S, Dahmane, N, and Robbins, DJ. The full-length unprocessed hedgehog protein is an active signaling molecule. *J Biol Chem*. 285(4):2562-2568, 2010.
 4. Sidorsky, T, **Huang, Z**, Dinulos, JG. A business case for shared medical appointments in dermatology: Improving access and the bottom line. *Archives of Dermatology*. 146(4):374-381, 2010.
 5. Larrier, DR, **Huang, Z**, Zhang, W, McHugh, CH, Brock, L, Reddy, SC. Is routine pre-operative cardiac evaluation necessary in obese children undergoing adenotonsillectomy for OSA? *American Journal of Otolaryngology*. 36(6):744-747, 2015.
 6. **Huang, Z**, Guffey, D, Minard, CG, Friedman, EM. Outcomes variability in esophageal foreign body removal: Is daytime removal better? *International Journal of Pediatric Otorhinolaryngology*. 79(10):1630-3, 2015.
 7. Duah, V, **Huang, Z**, Val, S, DeMason, C, Poley, M, Preciado, D. Younger patients with COME are more likely to have mucoid middle ear fluid containing mucin MUC5B. *International Journal of Pediatric Otorhinolaryngology*. 90:133-137, 2016.
 8. **Huang, Z**, Ashraf, M, Gordish-Dressman, H, Mudd, PA. The financial impact of clinic no-show rates in an academic pediatric otolaryngology practice. *American Journal of Otolaryngology*. 38(2):127-129, 2017.
 9. **Huang, Z**, Vintzileos, W, Gordish-Dressman, H, Bandarkar, A, Reilly, BK. Pediatric peritonsillar abscess: Outcomes and cost savings from using transcervical ultrasound. *Laryngoscope*. 127(8):1924-1929, 2017.
 10. Froehlich, MH, **Huang, Z**, Reilly, BK. Utilization of ultrasound for diagnostic evaluation and management of peritonsillar abscesses. *Curr Opin Otolaryngol Head Neck Surg*. 25(2):163-168, 2017.
 11. **Huang, Z**, Gordish-Dressman, H, Preciado, D, Reilly, BK. Pediatric cochlear implantation: Variation in income, race, payer, and charges across five states. *Laryngoscope*. 128(4):954-958, 2018.
 12. Mikals, SJ, **Huang, Z**, Reilly, BK, Monfared, A. Iatrogenic external auditory canal stenosis induced by silver nitrate. *Ear Nose Throat J*. 97(4-5):E39-E40, 2018.
 13. Fonseca, ACG, Engelhardt, MI, **Huang, Z**, Jiang, ZY, Yuksel, S, Roy, S. Effect of changing postoperative pain management on bleeding rates in tonsillectomy patients. *Am J Otolaryngology*. 39(4):445-447, 2018.
 14. Ting, J, Roy, S, Navuluri, S, Hanfland, R, Mulcahy, L, Yuksel, S, **Huang, Z**, Jiang, ZY. Airway evaluation in children with single ventricle cardiac physiology. *Int J Pediatr Otorhinolaryngology*. 111:115-118, 2018.
 15. Esianor, B, Jiang, ZY, Yuksel, S, Roy, S, **Huang, Z**. Pediatric tracheostomies in patients less than 2 Years of age: Analysis of complications and long-term follow-up. *American Journal of Otolaryngology*. 41(2), 2019.

16. Egua, A, Jiang, ZY, Yuksel, S, Roy, S, **Huang, Z.** Comparing operating room efficiency in children undergoing adenotonsillectomy with traditional endotracheal intubation versus laryngeal mask airway and stretcher utilization. Pending submission. 2020.

B. Presentations

Local:

1. Management of Thyroglossal Duct Cysts, Department of Otolaryngology-HNS, Baylor College of Medicine, 10/2011.
2. Management of Epistaxis in Hereditary Hemorrhagic Telangiectasia, Department of Otolaryngology-HNS, Baylor College of Medicine, 3/2012.
3. Pediatric Obstructive Sleep Apnea, Department of Otolaryngology-HNS, Baylor College of Medicine, 5/2012.
4. Rhinophyma, Department of Otolaryngology-HNS, Baylor College of Medicine, 7/2012.
5. Pediatric Oropharyngeal Trauma, Department of Otolaryngology-HNS, Baylor College of Medicine, 12/2012.
6. Management of Middle Ear Myoclonus, Department of Otolaryngology-HNS, Baylor College of Medicine, 4/2013.
7. A Case of Sinonasal Paraganglioma, Department of Otolaryngology-HNS, Baylor College of Medicine, 8/2013.
8. Obamacare: What, Why, and How, Department of Otolaryngology-HNS, Baylor College of Medicine, 1/2014.
9. Considerations in Pediatric Facial Fractures. Department of Otolaryngology-HNS, Baylor College of Medicine, 1/2015.
10. Considerations of Cost-Effectiveness in Pediatric Otolaryngology and Beyond, Guest Speaker at UTHealth Department of Otorhinolaryngology Grand Rounds, 12/2015.
11. Oropharyngeal Impalement Injury in Children, Guest Speaker at UTHealth Otorhinolaryngology Fall Seminar, 12/2016.

National:

1. Should Body Mass Index determine preoperative cardiac workup for pediatric patients with OSA undergoing adenotonsillectomy? AAO-HNSF Conference, Vancouver, BC. 9/2013.
2. Outcomes variability in esophageal foreign body removal: Is daytime removal better? ASPO Conference, Las Vegas, NV. 5/2014.
3. Outcomes in the management of middle ear myoclonus. Triological Society Conference, Boston, MA. 4/2015.
4. Younger Patients with COME Are More Likely to Have Mucoïd Middle Ear Fluid Containing Predominantly Mucin MUC5B. SENTAC Conference, San Antonio, TX. 12/2015.
5. Case Report: Endoscopic cauterization of a fourth branchial cleft sinus tract with intraoperative ultrasound guidance. ASPO Conference, Chicago, IL. 5/2016.

6. Pediatric Peritonsillar Abscess: Outcomes from the Use of Ultrasound, Podium Presentation, AAO-HNSF Conference, San Diego, CA. 9/2016.
7. Pediatric Cochlear Implantation: Disparities Across Five States, Podium Presentation, AAO-HNSF Conference, San Diego, CA. 9/2016.
8. The financial impact of clinic no-show rates in an academic pediatric otolaryngology practice, SENTAC Conference, Orlando, FL. 12/2016.
9. Pediatric Cochlear Implantation: Variation in Income, Race, Payer, and Charges across Five States, Selected Panel Speaker at the *Innovation in Health Care Delivery Systems Symposium*, McCombs School of Business, Austin, Texas, 4/2017.
10. Assessment of Nursing and Respiratory Therapist Experience and Caregiver Comfort in Caring for Tracheostomized Children. SENTAC Conference, Toronto, Canada. 12/2017.
11. Airway Evaluation in Children with Single Ventricle Cardiac Physiology. Triological Society Conference, Scottsdale, AZ. 1/2018.
12. Effect of Changing Postoperative Management on Bleeding Rates in Tonsillectomy Patients: An Institutional Review. Triological Society Conference, Scottsdale, AZ. 1/2018.
13. Pediatric Tracheostomies in Patients Less than 2 Years of Age: Analysis of Complications and Long-term Follow-up. ASPO Conference, National Harbor, MD. 4/2018.
14. Supernumerary Nostril with Other Abnormalities. SENTAC Conference, Houston, TX. 11/2018.
15. Comparing Operating Room Efficiency in Children Undergoing Adenotonsillectomy with Traditional Endotracheal Intubation versus Laryngeal Mask Airway and Stretcher Utilization. Podium Presentation, ASPO Conference, Austin, TX. 5/2019.