

CURRICULUM VITAE

Jeffrey J. Houlton, MD
University of Washington
Otolaryngology-Head and Neck Surgery
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PROFESSIONAL MISSION

To become a leader in the field of Academic Otolaryngology - Head & Neck Surgery:
-To take impeccable care of my patients
-To produce clinical research that impacts the national practice of medicine
-To train residents to practice otolaryngology at a fellowship level

EDUCATION:

University of Texas Medical Branch, Galveston, Texas 2004-2008
Doctorate of Medicine with High Honors

Texas A&M University, College Station, Texas 2000-2004
Bachelor of Science in Biological Sciences

Saint Thomas High School, Houston, Texas 1996-2000

POST GRADUATE TRAINING:

Medical University of South Carolina, Charleston, South Carolina 2013-2014
Head & Neck Oncology/Microvascular Reconstruction Fellowship

University of Cincinnati, Cincinnati, Ohio 2008-2013
Otolaryngology, Head & Neck Surgery Residency

FACULTY POSITIONS HELD:

Assistant Professor 2014-present
University of Washington, Department of Otolaryngology

Clinical Instructor 2013-2014
Medical University of South Carolina, Department of Otolaryngology

HONORS:

Seattle Met Top Doctors 2018
National Cancer Institute Investigator 2018
Engineering in Health - Faculty Mentor Award 2018
Distinguished Service for Model AAO-HNS Committee 2015
Administrative Chief Resident (peer selected) 2012-2013
American Laryngological Association, Combined Meeting 2011
• Resident Research Award, First Place Winner
Who's Who Among Students in American Universities & Colleges 2008
Alpha Omega Alpha Honor Society 2007
Courtney Townsend Award for Excellence in Surgical Education 2006

American Association of Medical Colleges, Humanism Award	2006
UTMB's Excellence in Student Teaching Award	2006
Texas A&M University Dean's Honor Award	2000-2004
Texas A&M University Zollinger Award Scholarship	2002

BOARD CERTIFICATION:

Diplomate, American Board of Otolaryngology, June 1st, 2014 Certificate number 22113

ACCREDITATION:

Joint Council for Approval of Advanced Training in Head and Neck Oncologic Surgery
 American Head and Neck Society, June 30th, 2014

LICENSURE:

Washington 2014- present

PROFESSIONAL ORGANIZATIONS:

Alpha Omega Alpha Honor Society	2007-present
American Academy of Otolaryngology	2008-present
Fellow American College of Surgeon	2016-present
American Head and Neck Society	2016-present

TEACHING RESPONSIBILITIES:

Positions:

Assistant Professor, University of Washington Surgical, clinical, and didactic instruction of residents and students	2014-present
Clinical Instructor, Medical University of South Carolina Surgical, clinical, and didactic instruction of residents and students	2013-2014

NATIONAL LEADERSHIP RESPONSIBILITIES:

American Academy of Otolaryngology Microvascular Committee -Consultant	2017-present
Washington State Representative, National Young Physicians Section	2015-present
American Academy of Otolaryngology Microvascular Committee -Member	2013-2017
American Academy of Otolaryngology Endocrine Surgery Committee	2013-2015
American Academy of Otolaryngology Head & Neck Oncology Committee	2011-2013
American Academy of Otolaryngology YPS Delegate - Section for Residents and Fellows (SRF)	2010-2013

LOCAL LEADERSHIP RESPONSIBILITIES:

Northwest Academy of Otolaryngology - Program Director	2017-present
UWP At-Large Trustee Selection Committee	2017
Seattle Translational Tumor Research -Faculty	2016-present
Seattle Cancer Care Alliance Oral Cavity Cancer Pathway Task Force	2016-present
Seattle Cancer Care Alliance Oropharyngeal Cancer Pathway Task Force	2016-present

Seattle Cancer Care Alliance Advanced Cancer Pathway Task Force	2015-present
Seattle Cancer Care Alliance Thyroid Cancer Pathway Task Force	2015-present
University of Washington Endocrine Surgery Steering Committee	2015-present
University of Washington Fine-Needle Aspiration Steering Committee	2015-17
Northwest Academy of Otolaryngology	
- Member of the Board at Large	2015-2017
University of Washington Physicians - Physicians Champion	2014-present
University of Washington Head & Neck Cancer Steering Committee	2014-present
UW Resident Clinical Competency Committee	2015-present
Resident Training Committee - University of Cincinnati	2011-2013

CO-FELLOWSHIP DIRECTOR

Advanced Training in Head and Neck Oncologic Surgery, Sponsored by American Society for Head and Neck Surgery (Currently Co-fellowship director with plans to transition to sole director 2019)	2017-present
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FELLOWS TRAINED

Marianne Abouyared, MD Current Fellow	2018-2019
Azeem Kaka, MD Assistant Professor Oto-Head and Neck Surgery Emory University	2017-2018
Scott Bevans, MD Assistant Professor Oto-Head and Neck Surgery San Antonio Uniformed Services Health Education Consortium	2016-2017
Richard Cannon, MD Assistant Professor Oto-Head and Neck Surgery University of Utah Health	2015-2016
Shannon Poti, MD Attending Surgeon Kaiser Permanente Sacramento, CA	2014-2015

BIBLIOGRAPHY:

A. PEER REVIEWED PUBLICATIONS:

1. Academic Facility Utilization and Survival Outcomes in Adult Head and Neck Sarcomas. Cannon RB, Buchmann LO, Hunt J, **Houlton JJ**, Monroe MM. *Otolaryngology Head and Neck Surgery*, 2018 Apr 1:0194599818768495.

2. Patel SA, Parvathaneni A, Parvathaneni U, **Houlton JJ**, Karni R, Mendez E. Post-operative Therapy Following Transoral Robotic Surgery for Unknown Primary Cancers of the Head and Neck. *Oral Oncol.* 2017 Sep;72:150-156.
3. Cannon RB, **Houlton JJ**, Mendez E, Furan ND. Methods to Reduce Postoperative Infections in Head and Neck Oncology Surgery: A Review. *Lancet Oncol.* 2017 Jul;18(7):e405-e413
4. Harbison A, Futran ND, **Houlton JJ**. Navigation-Guidance During Free Flap Mandibular Reconstruction: A Cadaveric Trial. *JAMA Otolaryngol Head Neck Surg.* 2017 Mar 1;143(3):226-233.
5. **Houlton JJ**, Bevans SE, Futran ND. Unfavorable Results after Free Tissue Transfer to Head and Neck: Lessons Learned at the University of Washington. *Clin Plast Surg.* 2016 Oct;43(4):683-93
6. Tawfik, KO, **Houlton JJ**, Compton W, Ying J, Khosla, SM. Laryngotracheal reconstruction: A ten-year review of risk factors for decannulation failure. *The Laryngoscope.* 2015: 125(3), 674-679.
7. Sood AJ, **Houlton JJ**, Nguyen SA, Gillespie MB. Facial Nerve Monitoring during Parotidectomy A Systematic Review and Meta-analysis. *Otolaryngology--Head and Neck Surgery.* 2015: 152(4), 631-637.
8. Sood, AJ, **Houlton JJ**, Day TA. The association between T-stage and clinical nodal metastasis In HPV-positive oropharyngeal cancer. *American journal of otolaryngology.* 2014, 35: 463-468.
9. Sun GH, **Houlton JJ**, Moloci NM, MacEacher MP, Bradford CR, Prince ME, Jagsi R. Prospective head and neck cancer research: a four decade bibliometric perspective. *Oncologist.* 2013; 18(5):584-591.
10. Hoekman PK, **Houlton JJ**, Seiden AM. The utility of magnetic resonance imaging in the diagnostic evaluation of idiopathic olfactory loss. *Laryngoscope* 2014; 124(2): 365-368.
11. Sun GH, **Houlton JJ**, MacEachern M, Bradford CR, Hayward RA. Influence of study sponsorship on head and neck cancer randomized trial results. *Head Neck.* 2013; 35(10): 1515-1520.
12. **Houlton JJ**, Hom DB. Approaching delayed-healing wounds on the face and neck. *Facial Plast Surg Clin North Am.* 2013; 21(1):81-93.
13. **Houlton JJ**, Donaldson A, Zimmer LA, Seiden AM. Intranasal drug induced fungal rhinopharyngitis. *Int Forum Allergy Rhinol.* 2012; 2(2):130-134.
14. **Houlton JJ**, Sun GH, Fernandez N, Zhai Q, Lucas F, Steward DL. Thyroid FNA: does case volume affect diagnostic yield or interpretation? *Arch Otolaryngol Head Neck Surg.* 2011; 137(11):1136-1139.
15. **Houlton JJ**, Johnson K, deALacron A, Elluru R. Voice outcomes following adult cricotracheal resection. *Laryngoscope.* 2011; 121(9):1910-1914.
16. **Houlton JJ**, Pecther W, Steward DL. PACU PTH facilitates safe outpatient thyroidectomy. *Otolaryngology Head and Neck Surgery,* 2010; 144: 43-47.

B. BOOK CHAPTERS:

1. **Houlton JJ**, Steward DL. Ultrasound Imaging of the Neck. In: *Cummings Otolaryngology: Head and Neck Surgery, 7th Edition*, Elsevier Publishing; Philadelphia, PA, Pending Publishing
2. **Houlton JJ**, Day TA. Unknown Primary Carcinoma. In: *Sataloff's Comprehensive Textbook of Otolaryngology: Head and Neck Surgery*, Jaypee Brothers Medical Publishing; New Dehli, India, 2015.
3. **Houlton JJ**, Steward DL. Ultrasound Imaging of the Neck. In: *Cummings Otolaryngology: Head and Neck Surgery, 6th Edition*, Elsevier Publishing; Philadelphia, PA, 2015.
4. **Houlton JJ**, Steward DL. Ambulatory endocrine surgery. In: *Robotic and Minimally Invasive Thyroid and Parathyroid Surgery*, Springer Publishing; New York, NY, 2013.
5. **Houlton JJ**, Steward DL. Surgery for retrosternal/upper mediastinal thyroid/parathyroid disease. In: *Thyroid Surgery*, Wiley Publishing; Hoboken, NJ, 2012.

NATIONAL PRESENTATIONS OF ORIGINAL RESEARCH:

1. Cannon RB, **Houlton JJ**, Furan ND, Mendez E. Rate and Location of Regional Failure and Fistula Formation for HPV+ Oropharyngeal Squamous Cell Carcinoma Treated with Transoral Robotic Surgery (TORS). American Head and Neck Society Meeting, Poster Presentation, April 2017 San Diego, Ca
2. **Houlton JJ**, Chaudhari V, Futran ND, et al. A Care Pathway to Improve Patient Safety, Satisfaction and Decrease Post-Operative Length of Stay for Head & Neck Free-Flap Patients at the University of Washington Medical Center. American Head and Neck Society Meeting, Poster Presentation, June 2016 Seattle, WA
3. Patel SA*, Parvathaneni A, Parvathaneni U, **Houlton JJ**, Karni R, Mendez E. Post-operative Therapy Following Transoral Robotic Surgery for Unknown Primary Cancers of the Head and Neck. American Head and Neck Society Meeting, Oral Presentation, June 2016 Seattle, WA
4. Harbison A, Futran ND, **Houlton JJ**. Navigation-Guidance During Free Flap Mandibular Reconstruction: A Cadaveric Trial. American Head and Neck Society Meeting, Poster Presentation, June 2016 Seattle, WA
5. Patel RJ, Taylor R, Tennant PA, **Houlton JJ**, Hornig J, Hand W, Day TA. Intraoperative vasopressor use in soft tissue vs osteocutaneous free flap reconstruction. A randomized trial. American Head and Neck Society Meeting, Poster Presentation, April 2015 Boston, MA
6. **Houlton JJ**, Tennant PA, Sterba K, Day TA. Head and Neck Cancer Worry and Depression: Associations with Primary Treatment Modality; 5th World Congress of IFHNOS & Annual Meeting of the AHNS, Oral presentation: July, 2014, New York City, NY
7. Tennant PA, **Houlton JJ**, Bewley AF, et al. Intraoperative Administration of Vasoactive Medications Does Not Affect Free Flap Survival: A Prospective Pilot Study; 5th World Congress of IFHNOS & Annual Meeting of the AHNS, Poster presentation: July, 2014, New York City, NY

8. Hoekman PK, **Houlton JJ**, Seiden AM. The utility of magnetic resonance imaging in the diagnostic evaluation of idiopathic olfactory loss. American Academy of Otolaryngology–Head and Neck Surgery Foundation Annual Meeting, Washington, DC, Oral Presentation, September 2012.
9. **Houlton JJ**, Turner K, Sun GH, Fernandez N, Zhai Q, Patil YJ. The impact of salivary gland frozen section on surgical outcomes. AAO-HNS Annual Meeting and Expo, Poster Presentation, 2012.
10. Johnson KE, Pio B, Kerrey B, Geis, G, **Houlton JJ**. Airway system of care assessment with high fidelity simulation. AAO-HNS Annual Meeting and Expo, Poster Presentation, 2011.
11. Fernandez N, **Houlton JJ**, Turner K, Steward D, Lucas F, Zhai Q. Morphological Features and Clinical Impact of Deferred Frozen Section Diagnosis in Thyroid Lesions. College of American Pathologists Meeting, Poster Presentation, 2011.
12. Turner KO, **Houlton JJ**, Patil Y, Zhai Q. Surgical impact of salivary gland frozen section deferred diagnoses: an interdisciplinary investigation. College of American Pathologists Meeting, Poster Presentation, 2011.
13. **Houlton JJ**, de Alarcon A, Johnson K, Elluru RG. Voice outcomes following adult cricotracheal resection. American Laryngological Society/COSM, Podium Presentation, 2011. *Winner of American Laryngological Association Resident Research Award.*
14. **Houlton JJ**, Sun GH, Fernandez N, Zhai Q, Lucas F, Steward DL. Thyroid FNA: does case volume effect diagnostic yield or interpretation? American Head and Neck Society/COSM, Podium Presentation, 2011.
15. **Houlton, JJ**, Pechter W, Steward DL. PACU PTH facilitates safe outpatient thyroidectomy. AAO-HNS Annual Meeting and Expo, Podium Presentation, 2011.
16. **Houlton JJ**, Leonard GA, Leonard RB, Newlands SD, Makishima T. Interaural attenuation in gerbils with unilateral hearing loss. Triologic Society Southern Section Meeting, Poster Presentation, 2008.

OUTSIDE INVITED TALKS (As University of Washington Faculty Member)

1. Houlton JJ, Futran ND, Kim N “When Do We Outgrow Our Current Perspectives in Head and Neck Cancer Care.” Northwest Academy of Otolaryngology Winter Meeting. Panelist/panel discussion, January, 2018.
2. Houlton JJ. “Head and Neck Surgery in the Elderly: How Old is Too Old?” AAO-HNS Annual Meeting and Expo. Mini-seminar Moderator, September, 2017.
3. Houlton JJ. “The Endoscopic Management of Salivary Disease.” 7th Annual Pacific Northwest Head & Neck Cancer Symposium. Invited speaker, June, 2017.
4. Houlton JJ, Weber R, Kim N. “Difficult Salivary Cancers.” 7th Annual Pacific Northwest Head & Neck Cancer Symposium. Mini-seminar, June, 2017.
5. Houlton JJ. “The HPV Epidemic: What you need to know.” Primary Care Grand Rounds: MorningCME, April 2017.

6. Houlton JJ. "Controversies in the Management of Salivary Malignancy: Reconstruction of the Parotidectomy Defect." AAO-HNS Annual Meeting and Expo. Mini-seminar. San Diego, CA. September, 2016.
7. Houlton JJ, Futran ND, Gilbert, R. "Midface Reconstruction." 6th Annual Pacific Northwest Head & Neck Cancer Symposium. Panelist/panel discussion, July, 2016.
8. Houlton JJ. "Reconstruction of the Total Glossectomy Defect." 6th Annual Pacific Northwest Head & Neck Cancer Symposium. Invited speaker, July, 2016.
9. Houlton JJ, Futran ND, Urken M, Gilbert, R. "Complication in Head & Neck Surgery." 6th Annual Pacific Northwest Head & Neck Cancer Symposium. Moderator/panel discussion, July, 2016.
10. Bayles S, Kim N, Houlton JJ. "Ask the Experts: Head & Neck Surgery." Northwest Academy of Otolaryngology Sping Meeting. Panelist/panel discussion, April, 2016.
11. Houlton JJ. "Minimizing Thyroid Surgery: Maximizing the Management of Thyroid Nodules." University of Washington Primary Care Grand Rounds. Invited speaker, February, 2015.
12. Mendez E, Kim N, Houlton JJ. "The Management of HPV+ Oropharyngeal Cancer." Northwest Academy of Otolaryngology Winter Meeting. Panelist/panel discussion, Vancouver, Canada, April, 2014.

PATENTS

Richard Harbison, Yangming Li, Randall Bly, Nava Aghdasi, Blake Hannaford, Kristen Moe, **Jeffrey Houlton (Senior Author)**
 U.S. Provisional Patent Application Serial No. 62/342,318 filed May 27, 2016.
 US Patent Application filed: Computer-Assisted Osteocutaneous Free Flap Reconstruction

EDITORIAL RESPONSIBILITIES:

Regular Reviewer:

2015-present *Otolaryngology – Head and Neck Surgery*
 2005-present *JAMA: Otolaryngology – Head and Neck Surgery*

COURSES:

American College of Surgeons Ultrasound Course	2013
Computer Aided Microvascular Reconstruction, Palm Beach, Florida	2013
University of Cincinnati Head & Neck Ultrasound Course	2012
Skull Base Surgery and Reconstruction Course, University of Cincinnati	2012
Advanced Endoscopic Cranial Base Surgery Course, University of Cincinnati	2011
Ninth Annual Masters of Skull Base Surgery Course, Tampa, Florida	2011
Otolaryngology Laser Workshop, University of Cincinnati	2010
Ohio Advanced Skullbase Surgery Course, University of Cincinnati	2009