

## CURRICULUM VITAE

### Brittany Barber, MD MSc FRCSC

#### 1. PERSONAL DATA

Place of Birth: Wainwright, Alberta, Canada  
Citizenship: Canadian  
Visa Status: Permanent Resident Status, eligible for citizenship December 2024  
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#### 2. EDUCATION

2013-2017 MSc, University of Oxford, Oxford, United Kingdom  
2007-2011 MD, University of Alberta, Edmonton, Canada  
2003-2007 Bachelor of Medical Science, University of Alberta, Edmonton, Canada

#### 3. POSTGRADUATE TRAINING

2017-2018 Fellowship, Head & Neck Microvascular Reconstructive Surgery, Icahn School of Medicine at Mount Sinai, New York, NY  
2017 Fellowship, Head & Neck Surgical Oncology, University of Liverpool, Liverpool, United Kingdom  
2011-2016 Residency, Otolaryngology – Head & Neck Surgery, University of Alberta, Edmonton, Canada

#### 4. FACULTY POSITIONS HELD

2024- Associate Professor of Surgery, University of Washington Department of Otolaryngology – Head & Neck Surgery, Seattle, WA  
2018- Assistant Professor of Surgery, University of Washington Department of Otolaryngology – Head & Neck Surgery, Seattle, WA

#### 5. HOSPITAL POSITIONS HELD

2018- Attending Surgeon, University of Washington Medical Center, Seattle, WA  
2018- Attending Surgeon, Harborview Medical Center, Seattle, WA  
2018- Attending Surgeon, Fred Hutch Cancer Center, Seattle, WA

#### 6. EXAMINATIONS & BOARD CERTIFICATION

2017 Board Certification in Otolaryngology – Head & Neck Surgery, Royal College of Physicians & Surgeons of Canada  
2016 Board Certification, United States Medical Licensing Examination (USMLE); Steps 1, 2, 3  
2011 Board Certification, Licentiate of the Medical College of Canada (LMCC); Part 1, 2

## 7. LICENSURE

2018- Washington State Medical License  
2017-2018 New York State Medical License  
2011-2017 Alberta Provincial Medical License

## 8. COMMITTEE SERVICE

### A. LOCAL

2024-2025 Vice Chair of Finance and Administration Search Committee, Member  
2023-2024 Chair, Head and Neck Surgery Faculty Search Committee  
2023-2024 Academic Lead, Northwest Academy of Otolaryngology  
2023-2024 Head and Neck Medical Oncology Search Committee, Member  
2022-2023 Chair, Head and Neck Surgery Faculty Search Committee  
2022- Compensation Committee, University of Washington Department of  
Otolaryngology – Head & Neck Surgery  
2022- Core Competency Committee, University of Washington Department of  
Otolaryngology – Head & Neck Surgery  
2022- Program Evaluation Committee, University of Washington Department of  
Otolaryngology – Head & Neck Surgery  
2020- Co-Director, Solid Translational Tumor Research-Head & Neck (STTR-HN)  
Group, UW/FHCC Cancer Consortium  
2020- Principal Investigator, Head & Neck Carcinogenesis Tissue Bank  
2018- Women in Science Committee, University of Washington  
2018- Robotic Steering Committee, Otolaryngology Representative, University of  
Washington Medical Center

### B. NATIONAL AND INTERNATIONAL

2025- Vice-Chair, Oral Cavity Cancer Clinical Practice Guidelines, American Head  
and Neck Society  
2025- Mucosal Malignancy Board, American Head and Neck Society  
2025 Society of Robotic Surgeons (SRS) Course Director, Strasbourg, France  
2024- AHNS TORS Task Force, ASCO Guidelines  
2024- AHNS TORS Course Director, 2023-2026  
2023- AHNS CDMS Curriculum Development Committee, Member  
2024- Fellowship Reaccreditation, AHNS Head & Neck Surgical Oncology and  
Microvascular Reconstruction Program, University of Washington  
2023- Fellowship Director, AHNS Head & Neck Surgical Oncology and  
Microvascular Reconstruction Program, University of Washington  
2023- NRG Oncology Head & Neck Surgery Committee, Member  
2023- NRG Oncology Diversity in Head & Neck Oncology Committee, Member  
2023- American Head & Neck Society (AHNS) Basic & Translational Science  
Committee, Member  
2023- American Head & Neck Society (AHNS) Curriculum Development &  
Maintenance Service, Member  
2023- American Head & Neck Society (AHNS) Population Health & Clinical  
Research Service, Member  
2023- American Head & Neck Society (AHNS) Women in Head & Neck Surgery  
Service, Member

## 9. PROFESSIONAL ORGANIZATIONS

2024-	Society of Robotic Surgeons (SRS)
2022-	NRG Oncology, Head & Neck Working Group
2018-	American Medical Association (AMA)
2017-	Fellow, Royal College of Physicians & Surgeons of Canada (FRCSC)
2016-	American Academy of Otolaryngology – Head & Neck Surgery (AAO-HNSF)
2015-2018	Canadian Society of Otolaryngology – Head & Neck Surgery (CSOHNS)
2015-	American Head & Neck Society (AHNS)

## 10. EDITORIAL RESPONSIBILITIES

### A. AD HOC REVIEWER

2023-	JAMA Otolaryngology – Head & Neck Surgery
2022-	Head & Neck
2017-	Oral Oncology
2015-	Journal of Otolaryngology – Head & Neck Surgery

## 11. HONORS

2023	University of Washington CARES Award, Seattle, WA
2022	AOA Chapter Election, University of Washington, Seattle, WA
2022	NCCN Young Investigator Award Nominee, Fred Hutch Cancer Research Center, Seattle, WA
2021	Driftwood Award in Surgical Teaching, University of Washington, Seattle, WA
2020	Driftwood Award in Surgical Teaching, University of Washington, Seattle, WA
2017	CSOHNS Fellowship Award (selected among all graduating OHNS residents in Canada)
2016	1 <sup>st</sup> Prize, National Poliquin Residents' Competition, CSOHNSF, Canada
2016	RE Fraser Excellence in Teaching Award, University of Alberta, Canada
2016	Best Resident Researcher Award, University of Alberta, Canada
2016	Best Clinical Service Award, University of Alberta, Canada
2016	1 <sup>st</sup> Prize, Resident Research Award, University of Alberta, Canada
2015	Nilay Patel Memorial Award, University of Oxford, United Kingdom
2015	1 <sup>st</sup> Prize, President's Research Award, Alberta Psychiatry Association, Canada
2015	2 <sup>nd</sup> Prize, National Poliquin Residents' Competition, CSO, Canada
2011	AE Bowie Scholarship in Medicine, University of Alberta, Canada
2010	Dr. John E Bradley Scholarship, University of Alberta, Canada
2010	Irene & Jack Brown Scholarship, University of Alberta, Canada
2009	Harold & Opal Award in Medicine, University of Alberta, Canada
2005 & 2007	Alberta Heritage Foundation for Medical Research Award, University of Alberta, Canada

## 12. RESEARCH FUNDING

### A. CURRENT

2024	Kuni Imagination Cancer Research Grant
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- Title: Dietary patterns in smoking and non-smoking oral cavity cancer  
Role: PI
- 2024 AAOHNSF CORE Resident Research Grant  
Title: Discovery of CD4+ T cells specific for HPV-driven OPSCC  
Role: Mentor (Sina Dadafarin MD, T32 resident)
- 2023- AAO-HNSF CORE Resident Research Grant  
Title: Pre-clinical test of HNSCC targeted gene therapy via cell renewal inhibition  
Role: Mentor (Peiran Zhou MD, T32 resident)
- 2023- Seattle Translational Tumor Research (STTR) Head & Neck Infrastructure Funding  
Title: Association of dietary patterns and microbiome subtypes with risk of oral cavity cancer in young, non-smoking patients  
Role: Co-PI
- 2022- Cancer Consortium Support Grant (CCSG) New Investigator  
Title: Chronic inflammation, oral dysbiosis, and the young oral tongue cancer epidemic  
Role: PI
- 2022- Fred Hutch Pathogen-Associated Malignancies (PAM) IRC Grant  
Title: Do microbial-derived antigens distract the immune system from detecting tumor cells?  
Role: Co-PI
- 2022- University of Washington Department of Otolaryngology Seed Grant  
Title: Sugar-sweetened beverage intake and risk of early-onset oral tongue squamous cell carcinoma  
Role: PI
- 2021- ITHS KL2 Multidisciplinary Clinical Research  
Title: Clinical Responder Phenotypes (CRPs) to assess risk of chronic/aggressive periodontitis (CAP) and oral squamous cell carcinoma of the tongue (OTSCC)  
Role: Mentor (Kris Kerns PhD, UW School of Dentistry)

## **B. PENDING**

- 2024 American Cancer Society (ACS) Discovery Boost Grant  
Title: "Dietary patterns in oral cavity cancer: analysis of 3 US Cohorts"  
Role: PI

## **C. PAST**

- 2021-2023 Kuni Foundation \$75,000  
Title: "Oral tongue squamous cell carcinoma in young patients with no risk factors"  
Role: PI

2021-2023	<p>2021 Seattle Translational Tumor Research (STTR) - Translational Grant \$100,000 Title: Pre-clinical test of a targeted gene therapy based on inhibition of progenitor renewal Role: Co-PI</p>
2021-2022	<p>2021 Seattle Translational Tumor Research (STTR) – PDX Grant \$5000 Title: Development &amp; Optimization of HNSCC Patient Derived Xenograft via Genetic Screen Role: Co-PI</p>
2020-2021	<p>Brotman-Baty Institute Title: Cell-free DNA in head and neck squamous cell carcinoma Role: PI</p>
2020-2023	<p>Iovance Pharmaceuticals Title: A Phase 2, Multicenter Study of Autologous Tumor Infiltrating Lymphocytes (LN-144/LN-145/LN-145-S1) in Patients with Solid Tumors Role: Co-I</p>
2020-2023	<p>Presage Biosciences Title: Evaluation of TAK-981 and TAK-981 Combinations Following Intratumoral CIVO® Microdosing in Patients with Head and Neck Cancer Role: Co-I</p>
2016-2018	<p>Alberta Health Services Surgery Strategic Clinical Network (SCN) Title: “Northern Alberta Psychosocial Telecare (NAPT) for Surgical Head &amp; Neck Cancer Patients” Role: Co-PI</p>
2015-2018	<p>Medtronic Grant Foundation Title: “Brief electrical stimulation for regeneration of the recurrent laryngeal nerve after transection injury: an animal model” Role: Co-PI</p>
2013-2016	<p>University Hospital Foundation Medical Research Grant Title: “Brief Electrical Stimulation of The SPINal accessory nerve (BEST SPIN) for prevention of shoulder dysfunction after oncologic neck dissection: a double-blinded, randomized controlled trial” Role: Co-PI</p>
2006-2007	<p>Alberta Heritage Foundation for Medical Research Title: <i>Genetic selection of human HDAC1 inhibitors</i> Role: Research Student</p>
2005-2006	<p>Alberta Heritage Foundation for Medical Research Title: <i>Expression and purification of SLD3 and CDC45; proteins that tether DNA polymerase to origins of replication</i> Role: Research Student</p>

### 13. LOCAL TEACHING AND TRAINING

#### A. COURSES

- 2023- UW OTO-HNS Bootcamp, Teaching Faculty – University of Washington, Seattle, WA
- 2023- Bi-weekly Head & Neck Resident and Fellow Teaching, University of Washington, Seattle, WA
- 2018- Head & Neck Module Didactic Leader, University of Washington Department of Otolaryngology – Head & Neck Surgery, Seattle, WA

#### B. FORMALLY SUPERVISED TRAINEES

- 2024- Mateo Useche, Dick Burger Research Fellow, University of Washington Research Mentor, “Prudent dietary pattern is protective against smoking and non-smoking oral cavity cancer: an analysis of 3 US Prospective Cohorts”, manuscript in preparation
- 2023- Hosam Alkhatib, T32 Surgical Resident, University of Washington Research Mentor, “Dietary patterns and risk of non-smoking oral cavity cancer”, ongoing
- 2023-2024 Luis Gomez-Castillo, Dick Burger Research Fellow, University of Washington Research Mentor, “Sugar-sweetened beverages and risk of oral cavity cancer in smokers and non-smokers”, manuscript in preparation
- 2022- Sina Dadafarin, T32 Surgical Resident, University of Washington Research Mentor, “Tumor-antigen specific CD4 T cells in HPV-related head and neck cancer”, ongoing
- 2021- Kris Kerns, Post-Doctoral Student, UW School of Dentistry, KL2 Project Research Mentor, “Oral microbiome in smoking and non-smoking oral cavity cancer”, manuscript in preparation
- 2021- Andrew Konecny, Graduate Student, Fred Hutch Cancer Center Research Mentor/Thesis Committee, “Role of IL1R1+ T cells in young, non-smoking oral cavity cancer”, ongoing
- 2020- Peiran Zhou MD, T32 Surgical Resident, University of Washington Research Mentor, “Cell fate choice in head and neck squamous cell carcinoma”, manuscript in preparation
- 2019-2021 Caitlin Cahill MD, Masters of Surgical Science, University of Oxford Research Mentor, “Fecal immunochemical testing for colorectal cancer screening in adults older than 75 in Alberta: clinical practice and clinical outcomes of testing”, manuscript published
- 2018-2024 Jake Brady MD, T32 Surgical Resident, University of Washington Research Mentor; “Risk factors for oral cavity squamous cell carcinoma among never tobacco users: analysis of the INHANCE Consortium Data”, manuscript in preparation

### **C. LOCAL INVITED TEACHING PRESENTATIONS**

- 2022- “Head and Neck Reconstruction for the Plastic Surgeon” – University of Washington Plastic Surgery Annual Resident Didactic Teaching
- 2022- “Management of Oral Cavity Cancer” – University of Washington School of Dentistry Annual Didactic Teaching
- 2021- “Head and Neck Cancer for the Radiation Oncologist” – University of Washington Radiation Oncology Annual Resident Didactic Teaching

### **D. LOCAL INVITED TALKS**

- 2023 “Head and Neck Cancer for the Dental Professional” – Pierce County Dental Society, February 28, 2023
- 2022 “Oral Cavity Cancer for the Dental Professional” – Pacific Northwest Dental Conference, November 10, 2022
- 2021 “Head and Neck Cancer for the Dental Professional” – 2021 King County Dental Society Annual Meeting, October 21, 2021
- 2020 “Great Debates in Head and Neck Surgery” – 2020 Northwest Academy of Otolaryngology (NWAO) Meeting, January 10-12, 2020
- 2020 “Management of Advanced Skin Cancer” – SCCA Skin Oncology Rounds, July 10, 2020
- 2020 “Head and Neck Pathology: the Surgeon’s Perspective” – 2020 Pacific Northwest Society of Pathologists’ Annual Meeting, October 17, 2020
- 2019 “Cell-free DNA in Head and Neck Squamous Cell Carcinoma” – Brotman Baty Institute Symposium, April 25, 2019
- 2019 “Head and Neck Cancer: a Journey from the Clinic to the Lab” – Vaccine and Infectious Disease Division (VIDD), Fred Hutchinson Cancer Center, September 3, 2019
- 2019 “Management of the Cystic Neck Mass” – 2019 Northwest Academy of Otolaryngology (NWAO) Meeting, January 10-12, 2019
- 2019 “Principles of Reconstruction in the Oncologic Setting” – JADPRO Live, October 26, 2019
- 2018- “Head and Neck Cancers” - Registered Nurse (RN) Oncology Nurse Teaching, Fred Hutch Cancer Center, October 10, 2018
- 2018- “Head and Neck Cancers” - Registered Nurse (RN) 4NE Teaching, University of Washington, October 17, 2018
- 2018 “Screening for Oral HPV: Is it a good idea, what is on the market, and where are we going?” – Pacific Northwest Head & Neck Cancer Symposium, November 2, 2018

### **E. LOCAL INVITED TEACHING PRESENTATIONS**

- 2022 “Head and Neck Reconstruction for the Plastic Surgeon” – 2022 Plastic Surgery Resident Didactic Teaching, May 3, 2022
- 2020 “Management of Advanced Skin Cancer” – SCCA Skin Oncology Rounds, July 10, 2020
- 2020 “Head and Neck Pathology: The Surgeon’s Perspective” – 2020 Pacific Northwest Society of Pathologists’ Annual Meeting, October 17, 2020

## **14. NATIONAL AND INTERNATIONAL TEACHING AND TRAINING**

## **A. COURSES**

- 2024-2023 AHNS TORS Fellows Course, Co-Director, 3-year term, Atlanta, GA
- 2023 AHNS Head & Neck Microvascular Fellowship Boot Camp, Instructor, Columbus, OH
- 2022 AHNS Head & Neck Microvascular Fellowship Boot Camp, Instructor, Dayton, OH

## **B. NATIONAL INVITED TEACHING PRESENTATIONS**

- 2023 “Challenges in Bony Reconstruction” – 2023 Head & Neck Microvascular Bootcamp, Columbus, OH, October 10-12, 2023
- 2022 “The Anterolateral Thigh Flap: The Head and Neck Workhorse” – 2022 Head & Neck Microvascular Fellow Bootcamp, Dayton, OH, September 23-25, 2022
- 2023 “Salivary Gland Malignancies: Case-Based Discussion” – AHNS Fellowship Series, January 4, 2023

## **C. NATIONAL INVITED TALKS**

- 2024 “Complex Bony Reconstruction – Midface, Mandible, and Beyond” – AHNS Fellows’ Virtual Tumor Board, Expert Panelist, June 4, 2024
- 2023 “Optimizing management of complications in head and neck free flap reconstruction” – AAO-HNSF Annual Meeting, Nashville, TN, October 3, 2023
- 2023 “Management of Advanced Skin Cancer” – AAO-HNSF Annual Meeting, Nashville, Tennessee, October 2, 2023
- 2023 “The role of the oral microbiome in oral carcinogenesis: the pathway to clinical utility” – 2023 NRG Oncology National Meeting, Philadelphia, Pennsylvania, July 21, 2023
- 2023 “Robotics Course: Revisioning Head & Neck Surgery – Robotics, New Technology & Beyond” – 2023 AHNS International Meeting, Montreal, Quebec, July 8, 2023
- 2023 “Evaluating the interplay between the oral microbiome and immune infiltrate in HPV-negative HNC: the pathway to a clinical trial” – NRG Oncology National Meeting, Orlando, Florida, January 27, 2023
- 2022 “TORS Alphabet Soup: From Si to Sp and Beyond” – AHNS TORS Webinar Series, November 16, 2022
- 2022 “Management of Advanced Skin Cancer”: – 2022 AAO-HNSF Annual Meeting, Philadelphia, Pennsylvania, September 10-12, 2021
- 2021 “Management of Advanced Skin Cancer” – 2021 AAO-HNSF Annual Meeting E-Conference, October 6, 2021
- 2020 “Management of Advanced Skin Cancer” – 2020 AAO-HNSF Annual Meeting E-Conference, October 12, 2020

## **D. INTERNATIONAL INVITED TALKS**

- 2024 “Zebras in Transoral Robotic Surgery: a Multi-Disciplinary Tumor Board Discussion” – 2024 Society of Robotic Surgeons (SRS) Society Meeting, Orlando, FL, June 21, 2024

## 15. CLINICAL ACTIVITIES

My practice is predominantly ablative and reconstructive head and neck surgery, including mucosal head and neck squamous cell carcinoma, salivary cancers, thyroid cancers, and cutaneous cancers. I have been involved in expansion of our Division's role in skin oncology and endocrine Surgery at Fred Hutch Cancer Center (FHCC), and our overall expansion of clinical volume and FTE at FHCC. I have also been involved in expansion of our Speech and Language Rehabilitation Services, founding of our Head & Neck Surveillance Clinic, and expansion of our Multidisciplinary Clinic and Head & Neck APP practice at FHCC.

## 16. BIBLIOGRAPHY

### A. PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Gomez Castillo L, Cushing-Haugen K, Useche M, Norouzi A, Rizvi Z, Ferrandino R, Futran N, Marchiano E, Rodriguez T, Harris H, **Barber B**. High sugar-sweetened beverage intake is associated with oral cavity cancer in female smokers and non-smokers: analysis of the Nurses' Health Studies. *JAMA Otolaryngol Head Neck Surg* 2025; {Accepted Jan 8 2025}
2. Brady J, Norouzi A, Konuthula N, Lam A, Marchiano E, Futran N, **Barber B**. Examining the impact of rce and sex on incidence of positive surgical margins in oral cavity squamous cell carcinoma. *Head Neck* 2025.
3. Gray M, Noor A, Laitman J, Teng M, Genden E, Miles B, **Barber B**. Feasibility of labia myocutaneous free flap: study of a novel mucosal free tissue transfer. *Facial Plast Surg Aesth Med*. 2024; {epub ahead of print}
4. Gobillot T, Greer M, Parvathaneni U, Liao J, Laramore G, Goff P, Wallner K, Rodriguez C, Houlton H, **Barber B**, Futran N, Rizvi Z. Radiation therapy for low- and high-risk perineural invasion in head and neck cutaneous squamous cell carcinoma: clinical outcomes and patterns of failure. *Head Neck* 2023 Sep;45(9): 2323-2334.
5. Pan C, Wu Q, Voutsinas J, Houlton J, **Barber B**, Futran N, Laramore G, Liao J, Parvathaneni P, Martins R, Fromm J, Rodriguez C. Neutrophil to lymphocyte ratio and peripheral blood biomarkers correlate with survival outcomes but not response among head and neck and salivary cancer treated with pembrolizumab and vorinostat. *Head Neck* 2023.
6. Pan C, Wu Q, Voutsinas J, Houlton J, **Barber B**, Rizvi Z, Marchiano E, Futran N, Laramore G, Liao J, Parvathaneni U, Martins R, Fromm J, Rodriguez C. Peripheral lymphocytes and lactate dehydrogenase correlate with response and survival in head and neck cancers treated with immune checkpoint inhibitors. *Cancer Med* 2023.
7. Konuthula N, Do O, Gobillot T, Rodriguez C, Futran N, Houlton J, **Barber B**. Oncologic outcomes of salvage surgery and immune checkpoint inhibitor (ICI) therapy in recurrent HNSCC: a single institution retrospective study. *Head Neck* 2022.
8. \*Mair F, Erickson J, Frutos M, Konecny A, Greene E, Voillet V, Maurice N, Rongvaux A, Dixon D, **Barber B**, Gottardo R, Prlic M. Extricate human tumour immune alterations from tissue inflammation. *Nature* 2022.
9. **Barber B**, Mair F, Prlic M. A path forward to improving the specificity of immunotherapies. *Clin Transl Med* 2022.

10. \*Galeano Nino J, Wu H, LaCourse K, Kempchinsky A, Baryames A, **Barber B**, Futran N, Houlton J, Sather C, Sicinska E, Taylor A, Minot S, Johnston C, Bullman S. Effect of intratumoral microbiota on spatial and cellular heterogeneity in human cancer. *Nature* 2022. Nov 24.
11. Chalker C, Santana-Davila R, Voutsinas J, Wu Q, Hwang V, Baik C, Lee S, **Barber B**, Futran N, Houlton J, Laramore G, Liao J, Parvathaneni U, Martins R, Eaton K, Rodriguez C. High end-of-life health care utilization in a contemporary cohort of head and neck cancer patients treated with immune checkpoint inhibitors. *J Palliat Med* 2022. Apr.
12. Robinson E, Lam A, Solomon I, Brady J, Pang J, Faraji R, Houlton J, Futran N, **Barber B**. Trends in positive surgical margins in cT1-T2 oral cavity squamous cell carcinoma. *Laryngoscope* 2022. Feb 1.
13. Chalker C, Voutsinas J, Wu Q, Santana-Davila R, Hwang V, Baik C, Lee S, **Barber B**, Futran N, Houlton J, Laramore G, Liao J, Parvathaneni U, Martins R, Eaton K, Rodriguez C. Performance status (PS) as a predictor of poor response to immune checkpoint inhibitor (ICIs) in recurrent/metastatic head and neck cancer (RMHNSCC) patients. *Cancer Med* 2022.
14. Romine P, Voutsinas J, Wu V, Tratt M, Liao J, Parvathaneni U, **Barber B**, Dillon J, Timoshchuk M, Futran N, Houlton J, Laramore G, Martins R, Eaton K, Rodriguez C. Timing of postoperative radiation therapy and survival in resected salivary gland cancers: long-term results from a single institution. *Oral Oncol* 2021.
15. Hadi R, Xu H, **Barber B**, Shinohara M, Moshiri A. A case of endocrine mucin-producing sweat gland carcinoma with distant metastasis. *J Cutan Pathol* 2021. Jul.
16. Bahethi R, Stepan K, Pinotti R, Li R, Agarwal N, Puram S, Miles B, **Barber B**. Genetic mutations in young non-smoking patients with oral cavity cancer: a systematic review. *OTO Open* 2020 Nov.
17. Dziegielewski P, McNeely M, Ashworth N, O'Connell D, **Barber B**, Courneya K, Debenham B, Seikaly H. 2b or not 2b? Shoulder function after Level 2b neck dissection: a double-blinded randomized controlled clinical trial. *Cancer* 2020; Apr 126(7):1492-1501.
18. Meyer A, Roof S, Grey M, Fan C, **Barber B**, Miles B, Teng M, Genden E, Rosenberg J. Thermal imaging for microvascular free tissue transfer monitoring: feasibility study using a low cost, commercially-available mobile phone imaging system. *Head Neck* 2020.
19. Ziai H, Alenazi A, Hearn M, O'Connell D, Puttagunta L, **Barber B**, Harris J, Seikaly H, Biron V. The association of Bcl-xl and p53 expression with survival outcomes in oropharyngeal cancer. *Cancer Biomark* 2019;24(2):141-151.
20. Thomas WW, Calcagno HE, Azzi J, Petrisor D, Cave T, **Barber B**, Miles B, Gomez ED, Cannady S, Bhadkamkar M, Hanasono MM, Wax MK. Incidence of inadequate perforators and salvage options for the anterior lateral thigh free flap. *Laryngoscope*. 2019 Jul 4.
21. **Barber B** and N. Futran. Immune status and immunotherapy in advanced cutaneous squamous cell carcinoma: what are our next steps? (Invited Commentary). *JAMA Otolaryngol* Feb 2019.
22. Qureshi H, Abouyared M, **Barber B**, Houlton J. Surgical options for locally advanced oropharyngeal cancer. *Curr Treat Options Oncol* 2019;1;20(5):36
23. **Barber B** and B Miles. Challenges in multi-unit reconstruction: a framework perspective. *Oral Cancer* 2019.
24. Biron V, O'Connell D, **Barber B**, Clark J, Andrews C, Jeffrey C, Cote D, Harris J, Seikaly H. Transoral robotic surgery with radial forearm free flap reconstruction: case control analysis. *J Otolaryngol Head Neck Surg*, 2017, Mar 14.
25. **Barber B**, Seikaly H, Ming Chan K, Beaudry R, Rychlik S, Olson J, Curran M, Dziegielewski P, Biron V, Harris J, McNeely M, O'Connell D. Intraoperative Brief

Electrical Stimulation of The SPINal accessory nerve (BEST SPIN) for prevention of shoulder dysfunction after oncologic neck dissection: a double-blinded, randomized controlled trial. *GJ Otolaryngol Head Neck Surg* 2017.

26. Rogers S and **B Barber**. Using PROMs to guide patients and practioners through the head and neck cancer journey –Patient related outcome measures 2017.
27. **Barber B**, Urquart J, Shillington C, Rychlik S, Dort J, Meier M, Yeh T, Zygun D, O’Connell D, Seikaly H, Harris J. Efficacy of a High-Observation Protocol (HOP) in major head and neck cancer surgery: a prospective study. *Head Neck*, 2017. Aug 15.
28. Harris J, **Barber B**, Al-Marzouki H, Romney J, Scrimger R, O’Connell D, Seikaly H. Free thyroid transfer: short-term results of a novel procedure to prevent postradiation hypothyroidism. *Head Neck*, 2016. Nov 15.
29. **Barber B**, Dergousoff J, Harris J, O’Connell D, Seikaly H. Depression and survival in head and neck cancer patients: a systematic review. *JAMA Otolaryngology – Head & Neck Surgery*. Jan 2016 Mar 1;142(3):284-8.
30. Deserres J, **Barber B**, Harris J, Seikaly H, O’Connell D. Free flap elevation times using the Harmonic Scalpel®. *Plast Reconstr Surg Glob Open* 2016; 4(5):e718.
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33. **Barber B**, Moher C, Cote D, Harris J. Comparison of T99m-Sestamibi, and SPECT/CT in localization of parathyroid adenomas for minimally-invasive parathyroid surgery: a cost-effectiveness analysis. *Head Neck* 2015. Dec 4.
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42. **Barber B**, Cote D, Liu R. Electric shock ear torture: a rare cause of tympanic membrane perforation and mixed hearing loss. *J Otolaryngol Head Neck Surg* 2011 Jun;40(3):E22-5.
43. Dziegielewski J, Chau J, Seikaly H, Alegretto M, **Barber B**, BMSc, Harris J. Lingual thyroid in adults: management algorithm based on swallowing outcomes. *J Otolaryngol Head Neck Surg*. 2011 Feb;40(1):19-26.
44. **Barber B**, Cote D, Seikaly H. Clearing up clear cell tumors of the head and neck: differentiating odontogenic and hyalinizing varieties. *J Otolaryngol Head Neck Surgery*. 2010 Oct;39(5):E56-60.
45. Cote D, **Barber B**, Diamond C, Wright E. Floseal hemostatic matrix in persistent epistaxis: prospective clinical trial. *J Otolaryngol Head Neck Surg*. 2010 Jun;39(3):304-8.
46. Guillemaud J, Seikaly H, Cote D, **Barber B**, Rieger J, Wolfaardt J, Nesbitt M, Harris J. Double free-flap reconstruction: indications, challenges, and prospective functional outcomes. *Arch Otolaryngol Head Neck Surg* 2009 Apr;135(4):406-10.

#### **B. MANUSCRIPTS UNDER REVIEW**

1. Zhou P, Yeshoua B, Konuthula N, Lam A, Marchiano E, Futran N, **Barber B**. Association of oral health determinants with oral squamous cell carcinoma in never-smoking adults. *Head Neck*. Submitted August 20, 2024.

#### **C. BOOK CHAPTERS**

1. Marchiano E and **B Barber**. Ulnar Free Flap, in Rezaee, Rod (1<sup>st</sup> Ed.) *Regional and free flaps for head and neck reconstruction: basics and foundations*, Publication pending.
2. **Barber, Brittany**. (2017). *Free Tissue Transfer in Head and Neck Cancer Reconstruction*, in Mourad, Moustafa (1<sup>st</sup> Ed.), *Facial Plastic and Reconstructive Surgery: High-Yield Board Review* (pp. 123-128). New York, New York.
3. **Barber, Brittany**. (2018). *Reconstruction of the Maxilla*, in Fakhry, Carol (1<sup>st</sup> Ed.). *Oral Cancer: Evaluation, Therapy, and Rehabilitation*. (pp. 125-134). Baltimore, MY.
4. **Barber, Brittany**. (2021) *Reconstructive and Facial Plastic Surgery*, in Pasha, Raza (8<sup>th</sup> Ed.). *Otolaryngology Head and Neck Surgery: Clinical Reference Guide*. (pp.135-51).

#### **D. DISSERTATIONS**

1. **Barber, B**. (2017) *Intraoperative brief electrical stimulation of the spinal accessory nerve (BEST SPIN) for prevention of shoulder dysfunction after oncologic neck dissection: a double-blinded, randomized controlled trial*. MSc Dissertation, University of Oxford.

### **17. ABSTRACTS AND PRESENTATIONS**

#### **A. RECENT MENTORED TRAINEE ORAL PRESENTATIONS**

1. Brady J. "Risk factors for oral cavity squamous cell carcinoma among never tobacco users: analysis of the INHANCE consortium data" – 2024 Annual INHANCE Meeting, UCLA, Los Angeles, CA, April 10, 2024
2. Pan C. "Development of a prognostic signature for overall survival using blood biomarkers in head and neck squamous cell carcinoma treated with immune checkpoint

inhibitors” – AHNS 11<sup>th</sup> International Conference on Head and Neck Cancer, Montreal, Canada, July 11, 2023

3. Pan C. “Intraoperative visualization of oral cavity squamous cell carcinoma and high-grade dysplasia with tozeristide, a fluorescent tumor marking agent” - AHNS 11<sup>th</sup> International Conference on Head and Neck Cancer, Montreal, Canada, July 11, 2023
4. Zhou P. “Cell fate choice as a novel tumor suppression mechanism” – AHNS 11<sup>th</sup> International Conference on Head and Neck Cancer, Montreal, Canada, July 11, 2023
5. Brady J. “Examining the impact of race and gender on the incidence of positive surgical margins in young patients with oral cavity squamous cell carcinoma” – AHNS 11<sup>th</sup> International Conference on Head and Neck Cancer, Montreal, Canada, July 12, 2023
6. Pan C. “Neutrophil to lymphocyte ratio and peripheral blood markers correlate with outcomes among patients with recurrent metastatic head and neck squamous cell carcinoma and salivary gland cancer treated on a phase II trial of pembrolizumab and vorinostat” – 2022 AHNS/COSM Annual Meeting, Dallas, TX, April 27, 2022

## **B. RECENT MENTORED TRAINEE POSTER PRESENTATIONS**

1. Gomez Castillo L. “Sugar-sweetened beverage intake and risk of oral cavity cancer: results from 3 prospective US cohort studies” – 2024 ASCO Annual Meeting, Chicago, IL, June 3, 2024
2. Gomez Castillo L. “Sex-specific differences in dietary patterns and risk of oral squamous cell carcinoma: analysis of 3 US Cohorts” - 2024 AHNS/COSM Annual Meeting, Chicago, IL, May 15, 2024
3. Norouzi A. “Is high sugar-sweetened beverage intake associated with oral squamous cell carcinoma in non-smokers? A California Teachers Study” – AHNS 11<sup>th</sup> International Conference on Head and Neck Cancer, Montreal, Canada, July 11, 2023

## **C. CONFERENCE ORAL PRESENTATIONS (COMPLETED DURING TRAINING)**

1. “Efficacy of a High-Observation clinical care pathway in major head and neck cancer surgery: a quality improvement initiative” – American Head & Neck Society (AHNS) Annual Meeting, Seattle, WA, July 16-20, 2016 (Best of Clinical Papers Session)
2. “Intraoperative brief electrical stimulation for prevention of shoulder dysfunction after oncologic neck dissection: a double-blinded, randomized controlled trial” – American Head & Neck Society (AHNS) Annual Meeting – Seattle, Washington July 16-20, 2016
3. “Transoral robotic surgery (TORS) with radial forearm free flap reconstruction: case-control analysis” – Canadian Society of Otolaryngology (CSO) Annual Meeting, Charlottetown, Canada, June 10-13, 2016
4. “Intraoperative brief electrical stimulation for prevention of shoulder dysfunction after oncologic neck dissection: a double-blinded, randomized controlled trial” – Canadian Society of Otolaryngology (CSO) Annual Meeting, Poliquin Residents’ Competition, Charlottetown, Canada, June 10-13, 2016
5. “Implant placement in maxillofacial reconstruction using surgical design and simulation” –International Society of Maxillofacial Rehabilitation (ISMR) Conference, Belgrade, Serbia, May 4-7, 2016
6. “Electrical stimulation for regeneration of the spinal accessory nerve in head and neck cancer patients” – International Society for Maxillofacial Rehabilitation (ISMR) Conference, Belgrade, Serbia, May 4-7, 2016
7. “Depression as a predictive factor of postoperative functional performance status and treatment adherence: a prospective study” – Canadian Society of Otolaryngology (CSO) Poliquin Residents’ Competition, Winnipeg, Canada, June 6-9, 2015

8. "Development and validation of a clinical risk score for predicting Ventilation After Head & Neck Cancer Surgery (VANCS)" – Resident Research Day (RRD), Edmonton, Canada, May 15th, 2015
9. "Development and validation of a clinical risk score for predicting Ventilation After Head & Neck Cancer Surgery (VANCS)" - Tom Williams' Surgical Research Day, Edmonton, Canada, May 8th, 2015
10. "Long-term results of novel Free Thyroid Transfer (FTT) procedure for prevention of post-radiation hypothyroidism" – American Head & Neck Society (AHNS) Annual Meeting, Boston, MA, April 23-24, 2015
11. "Comparison of T99m-Sestamibi, and SPECT/CT in localization of parathyroid adenomas for minimally-invasive parathyroid surgery: a cost-effectiveness analysis" – American Head & Neck Society (AHNS) Annual Meeting, Boston, MA, April 23-24, 2015
12. "Nurse-led psychosocial intervention for care of the head and neck cancer patient" – University of Oxford Surgical Science & Practice Annual Nilay Patel Memorial Competition, Oxford, United Kingdom, April 14-16, 2015
13. "Depression as a predictive factor of postoperative functional performance status and treatment adherence: a prospective study" – Tom Williams' Surgical Research Day, Edmonton, Canada, May 12th, 2014
14. "Molecular predictors of locoregional and distant metastases in oropharyngeal squamous cell carcinoma" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Poliquin Residents' Competition, Banff, Canada, 2013
15. "Free flap elevation times using the Harmonic Scalpel®" - Canadian Society of Otolaryngology (CSO) Annual Meeting, Banff, Canada, 2013
16. "Factors associated with severe deep neck space infections: targeting multiple fronts" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Victoria, Canada, May 13, 2011
17. "Bone-impacted vs. traditional fibular free flap: complications and dental implant success rate" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Victoria, Canada, May 12, 2011
18. "Posterior tibial free flap in reconstruction of the head and neck" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Niagara Falls, Canada, 2010
19. "Utility of T99m-Sestamibi and SPECT/CT in localization of parathyroid adenomas for minimally-invasive parathyroid surgery" – Canadian Society of Otolaryngology (CSO) Meeting, Niagara Falls, Canada, 2010
20. "Routine thyroid imaging in minimally-invasive parathyroid surgery for primary hyperparathyroidism" – Combined Otolaryngology Spring Meeting (COSM)/AHNS, Las Vegas, NV, 2010

#### **D. CONFERENCE POSTER PRESENTATIONS (COMPLETED DURING TRAINING)**

1. "Labial myocutaneous free flap: a cadaveric study of a novel free flap" – AAO-HNSF Annual Meeting, Atlanta, GA, October 6-8, 2018
2. "Development and validation of a clinical risk score for predicting Ventilation After Head & Neck Cancer Surgery (VANCS): – AHNS Annual Meeting, Seattle, WA, July 16-20, 2016
3. "Management of sinonasal hemangiopericytomas: algorithm and systematic review of the literature" – AHNS/COSM Annual Meeting – Chicago, IL, May 19-21, 2016
4. "Efficacy of a High-Observation clinical care pathway in major head and neck cancer surgery: a quality improvement initiative" – International Forum on Quality & Safety in Healthcare (IHI) Conference, Gothenberg, Sweden, April 12-16, 2016

5. "Depression and survival in head and neck cancer patients: a systematic review" – American Head & Neck Society (AHNS) Annual Meeting, Boston, MA, April 23-24, 2015
6. "Free thyroid transfer (FTT): a novel technique to prevent radiation-induced hypothyroidism" – International Federation of Head & Neck Oncologic Societies (IFHNOS) Meeting, New York, NY, July 4-7, 2014
7. "Otolaryngology Webcase Project" – Innovations in Medical Education (IME) Conference, Los Angeles, CA, March 14th, 2010
8. "Clearing up clear cell tumors of the head and neck: differentiating odontogenic and hyalinizing varieties" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Halifax, Canada, 2009
9. "Floresal hemostatic matrix in persistent epistaxis: prospective clinical trial" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Halifax, Canada, 2009
10. "Rothia mucilaginosa: a common microbe in an uncommon clinical presentation" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Halifax, Canada, 2009
11. "Electric shock ear torture: a rare cause of tympanic membrane perforation and mixed hearing loss" – Canadian Society of Otolaryngology (CSO) Annual Meeting, Halifax, Canada, 2009
12. "Junior students teaching senior students: a pilot project" – Canadian Conference on Medical Education (CCME), Edmonton, Canada, June 23, 2009
13. "Genetic selection of human HDAC1 inhibitors" – Summer Students' Research Day, University of Alberta, Edmonton, Canada, October 26, 2007
14. "Expression and purification of SLD3 and CDC45; proteins that tether DNA polymerase to origins of replication" – Summer Students' Research Day, University of Alberta, Edmonton, Canada, October 15, 2005