

University of California, San Francisco

CURRICULUM VITAE

Name: Annemieke van Zante, MD, PhD

Position: Associate Professor of Clinical Pathology, Step 3
Pathology
School of Medicine

Address: Box 4066
1825 4th Street
University of California, San Francisco
San Francisco, CA 94158
Voice: 415-885-7256
Fax: 415-353-1612
Email: annemieke.vanzante@ucsf.edu

EDUCATION

1991 - 1994	Cornell University, Ithaca, NY	B.A.	Magna cum laude, Biochemistry
1995 - 2004	University of California, San Francisco	M.D./Ph.D.	Medical Scientist Training Program
2004 - 2006	University of California, San Francisco	Resident	Anatomic Pathology
2006 - 2007	University of California, San Francisco	Fellow	Surgical Pathology
2007 - 2008	University of California, San Francisco	Fellow	Cytopathology

LICENSES, CERTIFICATION

2006	Medical License, California #A95553
2007	American Board of Pathology Certification, Anatomic Pathology
2008	American Board of Pathology Certification, Cytopathology

PRINCIPAL POSITIONS HELD

2006 - 2007	University of California, San Francisco	Chief Resident	Anatomic Pathology
2008 - 2014	University of California, San Francisco	Assistant Professor of Clinical Pathology	Anatomic Pathology

2012 - 2016	University of California, San Francisco	Associate Chief of Cytopathology	Anatomic Pathology
2014 - present	University of California, San Francisco	Associate Professor of Clinical Pathology	Anatomic Pathology

OTHER POSITIONS HELD CONCURRENTLY

2009 - present	University of California, San Francisco	Joint appointment	Otolaryngology - Head and Neck Surgery
----------------	---	-------------------	--

HONORS AND AWARDS

1992	Pew Undergraduate Student Research Award
1993	Howard Hughes Scholar
1994	Honors Thesis in Biochemistry, Cornell University
1994	Magna cum laude, Cornell University
1994	Phi Beta Kappa, Cornell University

KEYWORDS/AREAS OF INTEREST

Cytopathology, Fine needle aspiration biopsy, Surgical pathology, Head and neck cancer, Salivary gland, Human papilloma virus

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

My clinical mission is to provide diagnostic cytopathology and surgical pathology service with a particular expertise in head and neck pathology for UCSF Baker Cancer Hospital at Mission Bay. The first component of this service is my personal review of challenging surgical pathology and fine needle aspiration specimens obtained at UCSF and as a consultant on specimens submitted from other institutions. The second component of my service is to the UCSF Cancer Center as the primary pathologist for the Head and Neck Multidisciplinary Tumor Board held weekly at Mission Bay. I perform a vital quality assurance role for the Department of Otolaryngology in correlating clinical data and pathologic findings for a large number of their patients prior to treatment planning.

CLINICAL SERVICES

2008 - present	Attending Physician, UCSF Surgical Pathology Service	Daily
2008 - present	Attending Physician, UCSF FNA Biopsy and Cytopathology Service	Daily
2008 - present	Attending Pathologist, UCSF Head and Neck Multidisciplinary Tumor Board	Weekly

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

- 2006 - present United States and Canadian Academy of Pathology
- 2006 - present American Society of Clinical Pathology
- 2006 - present College of American Pathologists
- 2009 - present American Society of Cytopathology
- 2013 - present Papanicolaou Society of Cytopathology

SERVICE TO PROFESSIONAL ORGANIZATIONS

- 2018 - 2020 Clinical Practice Committee, American Society of Cytopathology Member

SERVICE TO PROFESSIONAL PUBLICATIONS

- 2011 - 2011 Co-Editor, Pathology Case Reviews
- 2011 - present Reviewer, Journal of Cutaneous Pathology, Dr. Tim McCalmont, Editor
- 2012 - present Reviewer, Diagnostic Cytopathology, Dr. Carlos Bedrossian, Editor

INVITED PRESENTATIONS - NATIONAL

- 2001 Invited Speaker, American Society for Investigative Pathology Workshop for MD/PhD Graduates, FASEB 2001. "Genetic Deletion of High Endothelial Cell N-Acetyl Glucosamine 6-Sulfotransferase: Effect on L-selectin Ligands and Lymphocytic Homing," Orlando, FL, March 2001. Scientific Seminar
- 2013 Invited Presenter, Improving FNA Technique with an Introduction to US Guidance - a Practical Hands-on Workshop. American Society of Cytopathology Annual Meeting. Orlando, FL, November 2013. Practical Seminar
- 2014 Invited Presenter, Improving FNA Technique with an Introduction to US Guidance - a Practical Hands-on Workshop. American Society of Cytopathology Annual Meeting. Dallas, TX, November 2014. Practical Seminar
- 2016 Platform Presentation, Comparison of Molecular Platforms for Detection of HPV in FNA Biopsies of the Head and Neck. United States and Canadian Academy of Pathology Annual Meeting. Seattle, WA, March 2016. Senior author
- 2016 Invited Presenter, Ultrasound FNA Course. American Society of Cytopathology Annual Meeting. New Orleans, LA, November 2016. Practical Seminar

2017	Invited Presenter, Ultrasound FNA Course. American Society of Cytopathology Annual Meeting. Phoenix, AZ, November 2017.	Practical Seminar
2017	Invited Presenter, Cytology and Beyond: Molecular and Ancillary Test Correlations for Head and Neck Neoplasms. American Society of Cytopathology Annual Meeting. Phoenix, AZ, November 2017.	Practical Seminar
2018	Invited Presenter, Ultrasound FNA Course. American Society of Cytopathology Annual Meeting. Washington, DC, November 2018.	Practical Seminar
2019	Invited Faculty, USCAP Interactive Pathology Course, Head and Neck Cytopathology, Palm Springs, CA, February, 2019	Microscopy Course

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

2011	UCSF Current Issues in Anatomic Pathology, Cytopathology of Salivary Glands	Faculty
2012	UCSF Current Issues in Anatomic Pathology, Salivary Gland Neoplasia	Faculty
2012	Washington State Society of Pathologists Fall Meeting, Thyroid, Salivary Gland and Pancreatic Cytopathology Course	Faculty
2012	UCSF Head and Neck Cancer Update, Salivary Gland Pathology	Faculty
2012	UCSF Head and Neck Endocrine Surgery Update, Parathyroid Pathology	Faculty
2013	UCSF Current Issues in Anatomic Pathology, Salivary Gland Cytopathology	Faculty
2014	UCSF Current Issues in Anatomic Pathology, Salivary Gland Pathology	Faculty
2014	UCSF Radiology Highlights, Thyroid Cytopathology for Radiologists	Faculty
2016	UCSF Head and Neck Cancer and Endocrine Surgery Update, Pitfalls in Salivary Tumor FNA	Faculty
2017	UCSF Radiation Oncology Update, Head and Neck Cancer Panel Discussion	Faculty
2017	UCSF Current Issues in Anatomic Pathology, HPV Testing in Head and Neck Cancer	Faculty

- 2018 UCSF Current Issues in Anatomic Pathology, Application of the CAP Guidelines for HPV Testing of Head and Neck Squamous Cell Carcinoma in Cytopathology Faculty
- 2018 UCSF Technology, Innovation, and Personalized Care in Head and Neck Cancer, HPV Testing in Head and Neck Cancer and Salivary Gland Pathology Faculty

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

- 2007 United States and Canadian Academy of Pathology Annual Meeting, San Diego, CA
- 2008 Diagnostic Cytopathology, Carefree, AZ
- 2008 UCSF/Stanford Update in Gyn/Breast, San Francisco, CA
- 2009 USCAP Practical Pathology, San Francisco, CA
- 2009 UCSF/Stanford Current Issues in Anatomic Pathology, San Francisco, CA
- 2010 UCSF Current Issues in Anatomic Pathology, San Francisco, CA
- 2011 UCSF Current Issues in Anatomic Pathology, San Francisco, CA
- 2011 CAP Ultrasound-Guided Fine Needle Aspiration, Practical Pathology Program, Northbrook, IL
- 2012 United States and Canadian Academy of Pathology Annual Meeting, Vancouver, Canada
- 2012 UCSF Current Issues in Anatomic Pathology, San Francisco, CA
- 2012 UCSF-Coro Leadership Workshop
- 2013 UCSF Current Issues in Anatomic Pathology, San Francisco, CA
- 2013 American Society of Cytopathology Annual Scientific Meeting, Orlando, FL
- 2014 United States and Canadian Academy of Pathology Annual Meeting, San Diego, CA
- 2014 UCSF Current Issues in Anatomic Pathology, San Francisco, CA
- 2014 American Society of Cytopathology Annual Scientific Meeting, Dallas, TX
- 2016 American Society of Cytopathology Annual Scientific Meeting, New Orleans, LA
- 2017 American Society of Cytopathology Annual Scientific Meeting, Phoenix, AZ
- 2018 American Society of Cytopathology Annual Scientific Meeting, Washington, DC

UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY

I support the UCSF campus in recruitment of trainees and faculty to the departments of Otolaryngology/Head and Neck Surgery and Anatomic Pathology. In addition, I have recently

chaired a Departmental Stewardship Review Committee. In this role, I was the primary author of a comprehensive report on the performance of the Chair of Clinical Pharmacy after interviewing more than 25 individuals affiliated with the department including faculty, staff, students and UCSF leaders.

UCSF CAMPUSWIDE

2008 - present	UCSF Multidisciplinary Head and Neck Tumor Board	Attending Pathologist
2009 - 2014	UCSF Comprehensive Cancer Center-Head and Neck Site Committee	Vice Chair
2012 - 2012	UCSF Department of Otolaryngology-Head and Neck Surgery Chair Search Committee	Committee member
2018 - 2018	Stewardship Review Committee, Department of Clinical Pharmacy	Chair

SCHOOL OF MEDICINE

2017 - 2018	Department of Otolaryngology-Head and Neck Surgery-Faculty Search Committee	Member
-------------	---	--------

DEPARTMENTAL SERVICE

2008 - present	Department of Anatomic Pathology-Cytopathology Fellowship Selection Committee	Member
2010 - 2010	Department of Oral Pathology-Faculty Search Committee	Member
2010 - 2010	Department of Anatomic Pathology-Faculty Search Committee	Member
2012 - 2016	Department of Anatomic Pathology - AP Laboratory Quality Improvement Committee	Member
2012 - present	Department of Anatomic Pathology - Faculty Quality Assurance/Quality Improvement Committee	Member
2018 - 2018	Department of Anatomic Pathology-Faculty Search Committee	Member

COMMUNITY AND PUBLIC SERVICE

2008 - 2008	Doctors for Global Health, June, 2008, Hospital San Carlos, Altamirano, Chiapas, Mexico	Volunteer physician
2019 - 2019	American Society of Clinical Pathology telepathology global health initiative	Volunteer physician

CONTRIBUTIONS TO DIVERSITY

CONTRIBUTIONS TO DIVERSITY

As a mother to three small children and an MD/PhD, I take particular pride in representing parents within academic medicine. I openly discuss my family responsibilities with trainees, staff, colleagues and applicants. In doing so, I demonstrate that the challenges of parenting can be managed through setting personal priorities and working cooperatively with colleagues.

TEACHING AND MENTORING

TEACHING SUMMARY

I am involved in the teaching of medical students and residents in anatomic pathology, otolaryngology/head and neck surgery and radiation oncology. I have a particular interest in training surgical pathology and cytopathology fellows in diagnosis of complex diseases in the head and neck. In addition to leading multiple histology and pathology laboratories for medical students, I participate in one-on-one microscope-based teaching of medical students who rotate through anatomic pathology as part of the one month elective for senior medical students (Pathology 150.03), the two week elective for students in the clinical core (Demystifying Pathology), and the two week elective for students interested in the multidisciplinary care of head and neck cancer patients (IDS 130.09 Head and Neck Cancer CIEEx).

I am involved with teaching anatomic pathology residents in surgical pathology with a focus on the gross evaluation of complex specimens from the head and neck. In this capacity, I am routinely called to the gross room to guide appropriate sampling of these specimens. I am additionally focused on training cytopathology fellows in palpation and US-guided FNA biopsy of lesions in the head and neck with particular emphasis on adjunctive laboratory and molecular testing relevant to FNA specimens.

Most recently, I have initiated a series of lectures on pathology of the head and neck for radiation oncology residents, reviewing diagnostic categories and distinctions between diagnostic entities which impact the delivery of radiation therapy.

FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2005 - 2006	Advances in Medical Science	Small Group Leader	Medicine	10
	2008 - 2009	Immunity and Inflammation	Laboratory Instructor	Medicine	30
	2008 - 2009	Hypersensitivity and Rejection	Laboratory Instructor	Medicine	30
	2008 - 2009	Benign vs. Malignant Neoplasms	Laboratory Instructor	Medicine	30
	2008 - 2009	Placental Pathology	Laboratory Instructor	Medicine	60
	2008 - 2009	Endocrine Pathology	Laboratory Instructor	Medicine	30

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2008 - present	Classification of Neoplasms	Small Group Leader	Medicine	12
	2009 - 2010	M & N: Pancreas and Gallbladder	Laboratory Instructor	Medicine	15
	2009 - 2010	Endocrine Pathology	Laboratory Instructor	Medicine	30
	2010 - present	UCSF Pathology: Grossing Head and Neck Specimens	1 hour lecture annually	Medicine	20
	2010 - present	UCSF Pathology: Introduction to Cytopathology	1 hour lecture annually	Medicine	20
	2011 - present	UCSF OHNS Grand Rounds: Head and Neck Pathology	Lecture series, 1 hour lecture/quarter	Medicine	20
	2012 - 2013	Pathology of the Ovary and Endometrium	Laboratory Instructor	Medicine	30
	2013 - present	GAP Lab: Prostate Cancer	Laboratory Instructor	Medicine	40
	2013 - 2014	Pathology of the Ovary and Endometrium	Laboratory Instructor	Medicine	30
	2013 - 2015	UCSF Radiology Fellows Conference: Ultrasound-guided FNA procedures with an emphasis on technique	1 hour lecture annually	Medicine	20
	2013 - present	UCSF Radiation Oncology Grand Rounds: Head and Neck Pathology for Radiation Oncologists	1 hour lecture annually	Medicine	12
	2014 - 2016	UCSF Pathology: Head and Neck Pathology - Frozen Section Conference	1 hour practical conference	Medicine	

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2016 - 2017	GAP Lab: Breast Cancer	Laboratory Instructor	Medicine	40
	2018 - 2019	Ischemic Heart Disease Pathology	Small Group Instructor	Medicine	14
	2018 - 2019	Obstructive and Restrictive Lung Disease Pathology	Small Group Instructor	Medicine	14
	2018 - 2019	Lung Cancer Pathology	Small Group Instructor	Medicine	14

INFORMAL TEACHING

- 2007 - 2008 Informal teaching and supervision of pathology residents performing and interpreting FNA biopsies, 180 hours/year as a clinical fellow
- 2008 - present Daily teaching during signout sessions with fellows and residents rotating on surgical pathology and cytology services.
- 2008 - present Weekly microscope-based cytology teaching conference with pathology residents and surgical pathology fellows.
- 2008 - present Monthly cytopathology teaching conference and journal club for cytopathology fellows and residents rotating on cytology service.
- 2008 - 2016 Monthly head and neck/oral pathology conference in collaboration with the Department of Oral Pathology for surgical pathology and oral pathology faculty and trainees.
- 2017 - present 0.5 day/week teaching head and neck pathology to medical students in the Multidisciplinary IDS 130.09 Head and Neck Cancer CIEx
- 2017 - present 1 day/month teaching surgical pathology to medical students in Pathology 150.03 Elective
- 2017 - present 1 day/month teaching FNA biopsy and cytopathology to medical students in Demystifying Pathology for core clerkship year

MENTORING SUMMARY

My primary mentoring focus is the development of expertise in head and neck diseases among our senior residents and fellows in pathology and cytopathology. In addition to this, I have assumed a mentorship role for Dr. Sarah Calkins, an assistant professor in our department who is developing a subspecialty focus in head and neck pathology. I also am the primary career mentor for Dr. Becca Wolsky, an assistant professor in pathology at ZSFG. As Dr. Wolsky's subspecialty area is Gynecologic Pathology, I provide her with advice on building an academic career within the ZSFG system. Finally, I continue to pursue research projects with pathology trainees, most currently Dr. Lucy Han.

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2008 - 2009	Joan Bernard	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Staff pathologist, Sacramento VAMC
2008 - 2009	Veronica Velasco	Cytopathology	Career Mentor, Co-Mentor/Clinical Mentor	Mentor	Faculty, Texas Tech University Medical School, El Paso, TX
2009 - 2010	Stephanie McAlhany	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Private practice
2009 - 2010	Poonam Vohra	Cytopathology	Project Mentor	Mentor	Faculty, San Francisco General Hospital
2010 - 2011	Maria Serrano-Correa	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Private practice
2010 - 2011	Rena Yu	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Private practice
2011 - 2012	Khaing Win	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Private practice
2011 - 2012	Nancy Ciao	Cytopathology	Project Mentor	Mentor	Private practice
2011 - 2012	Vijay George	Research in Cytopathology	Research/Scholarly Mentor, Project Mentor	Mentor	Private practice
2012 - 2013	Sara Barcia	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Faculty, Brigham and Women's Hospital

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2012 - 2013	Brandie Firetag	Cytopathology	Co-Mentor/Clinical Mentor	Mentor	Private practice
2012 - 2015	Dianna Ng	Research in Cytopathology	Research/Scholarly Mentor, Project Mentor	Mentor	Assistant Professor, UCSF
2012 - 2015	Thuy Can	Research in Cytopathology	Project Mentor	Mentor	Private Practice
2017 - 2018	Shweta Agarwal	Head and Neck Pathology	Project Mentor	Mentor	Fellow in Cytopathology
2017 - 2019	Lucy Han	Research in Head and Neck Pathology	Project Mentor	Mentor	Pathology resident

FACULTY MENTORING

Dates	Name	Position while Mentored	Mentor Type	Mentoring Role	Current Position
2014 - present	Sarah Calkins	Assistant Professor	Co-Mentor/Clinical Mentor	Head and Neck subspecialist	Assistant Professor
2017 - present	Rebecca Wolsky	Assistant Professor	Career Mentor	Primary career mentor	Assistant Professor

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

My current research efforts have been in a collaboration with Dr. Patrick Ha, a head and neck surgeon with particular interest in the molecular pathogenesis of adenoid cystic carcinoma. Together we have collected pathologic and clinical data for over 100 cases of adenoid cystic carcinoma treated at UCSF over the last 20 years. Representative benign and neoplastic tissues from these cases have been assembled into tissue micro arrays (TMAs) which will allow for characterization of critical genetic changes, such as Myb translocation, as well as characterization of proteins up- and down-regulated in salivary neoplasia. The ability to correlate histologic, genetic and immunophenotypic data with clinical outcomes for these patients will be an unprecedented contribution to understanding of adenoid cystic carcinoma.

RESEARCH AWARDS - CURRENT

1. Mentor Dharsee (PI)

Muhimbili University of Health and Allied Sciences- 05/2/2018 05/2/2019
UCSF Cancer Collaboration Pilot Award

\$ 7,950 total

Establishment of P16 immunohistochemical testing for head and neck cancer patients at Muhimbili University affiliated hospitals.

I have assumed mentorship of Dr. Marie Claire Ndayisaba, a pathologist in training at Muhimbili University of Health and Allied Sciences, Dar Es Salaam, Tanzania as she has secured a pilot award to pursue immunohistochemical testing of head and neck cancer specimens for treatment and prognostic purposes. I have provided control tissues for the laboratory and will continue to oversee the technical and interpretive aspects of implementation.

PEER REVIEWED PUBLICATIONS

1. Christopher Sasseti, **Annemieke van Zante** and Steven D. Rosen. 2000. Identification of endoglycan, a member of the CD34/podocalyxin family of sialomucins. *The Journal of Biological Chemistry*. 275:9001-10. doi:10.1074/jbc.275.12.9001
2. Diana Palmeri, **Annemieke van Zante**, Chiao-Chain Huang, Stefan Hemmerich and Steven D. Rosen. 2000. Vascular endothelial junction-associated molecule, a novel member of the immunoglobulin superfamily, is localized to intercellular boundaries of endothelial cells. *The Journal of Biological Chemistry*. 275:19139-45. doi:10.1074/jbc.M003189200
3. Stefan Hemmerich, Annette Bistrup, Mark Singer, **Annemieke van Zante**, Jin Kyu Lee, Durwin Tsay, Nancy Ruddle and Steven D. Rosen. 2001. Sulfation of L-selectin ligands by an HEV-restricted sulfotransferase regulates lymphocyte homing to lymph nodes. *Immunity*. 15:237-247. doi:10.1016/S1074-7613(01)00188-1
4. Jin Kyu Lee, Annette Bistrup, **Annemieke van Zante** and Steven D. Rosen. 2002. Activities and expression pattern of the carbohydrate sulfotransferase GlcNAc6ST-3 (I-GlcNAc6ST): Functional implications. *Glycobiology*. 13:245-254. doi:10.1093/glycob/cwg018
5. **Annemieke van Zante**, Jean-Marc Gauguier, Annette Bistrup, Durwin Tsay, Ulrich H. von Andrian and Steven D. Rosen. 2003. Lymphocyte-HEV interactions in lymph nodes of a sulfotransferase-deficient mouse. *The Journal of Experimental Medicine*. 198:1289-1300. doi:10.1084/jem.20030057
6. Roman Nawroth, **Annemieke van Zante**, Sara Cervantes, Michael McManus, Matthias Hebrok and Steven D. Rosen. 2007. Extracellular sulfatases, elements of the Wnt signaling pathway, positively regulate growth and tumorigenicity of human pancreatic cancer cells. *PLoS ONE*. 2:e392. doi:10.1371/journal.pone.0000392
7. Hassan Lemjabbar-Alaoui, **Annemieke van Zante**, Mark Singer, Qing Xue, Yang Qing, Durwin Tsay, Biao He, David Jablons and Steven D. Rosen. 2010. Sulf-2, a heparan sulfate endosulfatase, promotes human lung carcinogenesis. *Oncogene*. 29:635-646. doi:10.1038/onc.2009.365
8. Steve A. Miller, **Annemieke van Zante** and Brian S. Schwartz. 2010. Cytologic Evaluation Can Predict Microbial Culture Results for Infectious Causes of Pulmonary Nodules in

- Patients Undergoing Fine Needle Aspiration Biopsy. *Diagnostic Microbiology and Infectious Disease*. 68:330-333. doi:10.1016/j.diagmicrobio.2010.08.005
9. Hanayo Arata-Kawai, Mark S. Singer, Annette Bistrup, **Annemieke van Zante**, Yang-Qing Wang, Yuki Ito, Xingfen Bao, Stefan Hemmerich, Minoru Fukuda and Steven D. Rosen. 2011. Functional contributions of N- and O-glycans to L-selectin ligands in murine and human lymphoid organs. *The American Journal of Pathology*. 178:423-433. doi:10.1016/j.ajpath.2010.11.009
 10. Edward Mannina, Sunanda Pejavar, Christine Glastonbury, **Annemieke van Zante**, Steven Wang and Sue Yom. 2011. Bilateral Tonsillar Involvement Diagnosed via Staging PET/CT in a Head and Neck Cancer Patient. *International Journal of Otolaryngology*. 2011:928240. doi:10.1155/2011/928240
 11. Kevin Huoh, **Annemieke van Zante** and David Eisele. 2011. Extramedullary Plasmacytoma of the Tonsil. *Case Reports in Otolaryngology*. 2001:430809. doi:10.1155/2011/430809
 12. Chien Chen, Steven Wang, **Annemieke van Zante** and Sue Yom. 2011. Stepwise Regional and Distant Progression of Recurrent Pleomorphic Adenoma. *Journal of Otolaryngology-Head & Neck Surgery*. 40:E5-10. doi:10.2310/7070.2010.100104
 13. Nandini Patel, **Annemieke van Zante** and Christine Glastonbury. 2011. Oncocytoma: The vanishing parotid mass. *American Journal of Neuroradiology*. 32:1703-1706. doi:10.3174/ajnr.A2569
 14. Natalie Shaubie Lui, **Annemieke van Zante**, Steven D Rosen, David M Jablons and Hassan Lemjabbar-Alaoui. 2012. SULF2 expression by immunohistochemistry and overall survival in oesophageal cancer: a cohort study. 2012. *BMJ Open*. 2:e001624. doi:10.1136/bmjopen-2012-001624
 15. Joseph Chang, Tuan-Jen Fang, Katherine Yung, **Annemieke van Zante**, Theodore Miller, Soha Al-Jurf Sarah Schneider and Mark Courey. 2012. Clinical and Histologic Predictors of Voice and Disease Outcome in Patients with Early Glottic Center. *The Laryngoscope*. 122:2240-2247. doi:10.1002/lary.23501
 16. Brandon Prendes, Gerald Kangelaris, **Annemieke van Zante** and Steven J. Wang. 2011. Pilomatricoma masquerading as metastatic squamous cell carcinoma. *Grand Rounds*. 12:17-22
 17. Poonam Vohra, Britt-Marie Ljung, Theodore Miller, Eun-Sil Hwang and **Annemieke van Zante**. 2012. Paget's disease of the breast masquerading as squamous cell carcinoma on cytology: A case report. *Diagnostic Cytopathology*. 40:1015-1018. doi:10.1002/dc.21712
 18. Akeesha Shaw, Robin LeGallo, **Annemieke van Zante**, Henry Fierson, Stacey Mills, Kenneth Berean, Mark Mentrikoski and Edward Stelow. 2013. EWSR1 Genetic Rearrangements in Salivary Gland Tumors: A Specific and Very Common Feature of Hyalinizing Clear Cell Carcinoma. *American Journal of Surgical Pathology*. 37:571-578. doi:10.1097/PAS.0b013e3182772a15
 19. Megan L. Durr, **Annemieke van Zante**, David Li, Eric J. Kezirian and Steven J. Wang. 2013. Oral Tongue Squamous Cell Carcinoma in Never-Smokers: Analysis of Clinicopathologic Characteristics and Survival. *Otolaryngology-Head and Neck Surgery*. 149: 89-96. doi:10.1177/0194599813482876

20. Christopher Gouveia, Nhu Thuy Can, Alan Bostrom, James P. Grenert, **Annemieke van Zante** and Lisa Orloff. 2013. BRAF Mutation Lack an Association with Aggressive Features in Papillary Thyroid Carcinoma. *Otolaryngology-Head and Neck Surgery*. 139(11):1164-70. doi:10.1001/jamaoto.2013.4501
21. Chase M. Heaton, J. Levi Chazen, **Annemieke van Zante**, Christine M. Glastonbury, Eric J. Kezirian and David W. Eisele. 2013. Pleomorphic adenoma of the major salivary glands: Diagnostic utility of FNA and MRI. *Laryngoscope*. 123(12):3056-60. doi:10.1002/lary.24247
22. Nancy Ciau, David W. Eisele and **Annemieke van Zante**. 2014. Epithelioid schwannoma of the facial nerve masquerading as pleomorphic adenoma: A case report. *Diagnostic Cytopathology*. 42(1),58-62. doi:10:1002/dc.22949
23. Chase M. Heaton, C. Megan L. Durr, Osamu Tetsu, **Annemieke van Zante** and Steven J. Wang. 2014. TP53 and CDKN2a mutations in never-smoker oral tongue squamous cell carcinoma. *Laryngoscope*. doi:10.1002/lary.24595
24. Christine M. Glastonbury, **Annemieke van Zante** and P. Daniel Knott. 2014. Ossification of the vascular pedicle in microsurgical fibular free flap reconstruction of the head and neck. *American Journal of Neuroradiology*. 35:1965-1969. doi:10.3174/ajnr.A3979
25. Janyaporn Phuchareon, **Annemieke van Zante**, Frank McCormick, David Eisele and Osamu Tetsu. 2014. c-Kit is activated by stem cell factor through autocrine and paracrine signaling in adenoid cystic carcinoma of the salivary glands. *Translational Oncology*. 7(5), 537-545. doi:10.1016/j.tranon.2014.07.006
26. Janyaporn Phuchareon, Jonathan Overdeest, Frank McCormick, David Eisele, **Annemieke van Zante** and Osamu Tetsu. 2014. Fatty acid binding protein 7 is a molecular marker in adenoid cystic carcinoma of the salivary glands: Implications for clinical significance. *Translational Oncology*. 7:780-787. doi:10.1016/j.tranon.2014.10.003
27. Jeffrey North, Timothy McCalmont, Andre Fehr, Goran Stenman, **Annemieke van Zante** and Philip LeBoit. 2015. Detection of Myb Alterations and Other Immunohistochemical Markers in Primary Cutaneous Adenoid Cystic Carcinoma. *American Journal of Surgical Pathology*. 39(10), 1347-1356. doi:10.1097/PAS.0000000000000463
28. Seth E. Pross, Jolie L. Chang, Christine M. Glastonbury, **Annemieke van Zante**, Khaing Soe Win and David W. Eisele. 2015. Characteristics of Oncocytic Lipoadenoma of the Submandibular Gland. *Acta Oto-Laryngologica Case Reports*. 1:1, 4-7.
29. Megan Durr, **Annemieke van Zante** and Steven Pletcher. An Unusual Presentation of a Lingual Dermoid Cyst. 2015. *Ear Nose Throat J*. 94(10-11):E29.
30. Natalie S. Lui, Y-W. Yang, **Annemieke van Zante**, P. Buchanan, David M. Jablons and Hassan Lemjabbar-Alaoui. 2016. SULF2 Expression Is a Potential Diagnostic and Prognostic Marker in Lung Cancer. *PLOS ONE*. 11(2). doi:10.1371/journal.pone.0148911
31. Robert N. Goldstone, Shirin R. Hasan, Steven Drury, Teresa M. Darragh, **Annemieke van Zante** and Stephen E. Goldstone. 2016. A Trial of Radiofrequency Ablation for Anal Intraepithelial Neoplasia. *International Journal of Colorectal Disease*. 32(3): 357-365. doi:10.1007/s00384-016-2679-2
32. Gypsyamber D'Souza, William H. Westra, Steven J. Wang, **Annemieke van Zante**, Alicia Wentz, Nicole Kluz, Eleni Rettig, William R. Ryan, Patrick K. Ha, Hyunseok Kang, Justin Bishop, Harry Quon, Ana P. Kiess, Jeremy D. Richmon, David W. Eisele and Carole Fakhry. 2017. Differences in the Prevalence of Human Papillomavirus (HPV) in Head and

- Neck Squamous Cell Cancers by Sex, Race, Anatomic Tumor Site, and HPV Detection Method. *JAMA Oncol.* 2017;3(2):169-177. doi:10.1001/jamaoncol.2016.3067
33. Carole Fakhry, William Westra, Steven Wang, **Annemieke van Zante**, Yuehan Zhang, Eleni Rettig, William R. Ryan, Patrick K. Ha, Alicia Wentz, Wayne Koch, Jeremy D. Richmon, David W. Eisele and Gypsyamber D'Souza. 2017. The prognostic role of gender, race and human papillomavirus in oropharyngeal and non-oropharyngeal head and neck squamous cell carcinoma. *Cancer.* 1;123(9): 1566-1575. doi:10.1002/cncr.30353
 34. Gregor Krings, Nancy M. Joseph, Gregory Bean, David Solomon, Courtney Onodera, Eric Talevich, Iwei Yeh, James P. Grenert, Elizabeth Hosfield, Emily D. Crawford, Richard C. Jordan, **Annemieke van Zante**, Charles Zaloudek, Sandra J. Shin and Yunn-Yi Chen. Genomic Profiling of Breast Secretory Carcinomas Reveals Distinct Genetics from Other Breast Cancers and Similarity to Mammary Analogue Secretory Carcinomas. *Modern Pathology.* Aug;30(8):1086-1099. doi:10.1038/modpathol.2017.32
 35. Steven J. Wang, Saurabh Asthana, **Annemieke van Zante**, Chase M. Heaton, Janyaporn Phuchareon, Leighton Stein, Saito Higuchi, Tomoya Kishimoto, Charles Chiu, Adam Olshen, Frank McCormick and Osamu Tetsu. 2017. Establishment and characterization of an oral tongue squamous cell carcinoma cell line from a never-smoking patient. *Oral Oncology.* 69:1-10. doi:10.1016/j.oraloncology.2017.03.020
 36. Nhu Thuy Can, Mark W. Lingen, Heather Mashek, James McElherne, Renee Briese, Carrie Fitzpatrick, **Annemieke van Zante** and Nicole A. Cipriani. 2017. Expression of hormone receptors and HER-2 in benign and malignant salivary gland tumors. *Head and Neck Pathology.* Mar;12(1):95-104. doi:10.1007/s12105-017-0833-y
 37. Dianna Ng, NhuThuy Can, Zheng Vanessa Ma, **Annemieke van Zante**, Britt-Marie Ljung and Elham Khanafshar. 2017. Cytomorphologic Features of Noninvasive Follicular Thyroid Neoplasm with Papillary-like Nuclear Features (NIFTP): A Comparison with Infiltrative Follicular Variant of Papillary Thyroid Carcinoma. *Journal of Basic & Clinical Medicine.* 1(1):51-56.
 38. Margaret J. Zhou, **Annemieke van Zante**, Ann A. Lazar, Eli R. Groppo, Adam A. Garsa, William R. Ryan, Ivan H. El-Sayed, David W. Eisele and Sue S. Yom. 2017. Squamous Cell Carcinoma of Unknown Primary of the Head and Neck: □Low-Risk□ Prognostic Factors Comparable to Those Defining Oropharyngeal Cancer. *Head and Neck.* 40(5),904-916. doi: 10.1002/hed.25028
 39. Yao Yu, Ivan H. El-Sayed, Michael W. McDermott, Philip V. Theodosopoulos, **Annemieke van Zante**, Norbert Kased, Christine M. Glastonbury, Adam A. Garsa, Sue S. Yom. 2018. Dural Recurrence Among Esthesioneuroblastoma Patients Presenting With Intracranial Extension. *Laryngoscope.* 128(10), 2226-2233. doi:10.1002/lary.27126
 40. Linda X. Yin, Gypsyamber D'Souza, William H. Westra, Steven J. Wang, **Annemieke van Zante**, Yuehan Zhang, Eleni M. Rettig, William R. Ryan, Patrick K. Ha, Alicia Wentz, Wayne Koch, David W. Eisele, and Carole Fakhry. 2018. Prognostic factors for human papillomavirus-positive and negative oropharyngeal carcinomas. *Laryngoscope.* 128(8)E287-E295. doi: 10.1002/lary.27130
 41. Melody J. Xu, Tara J. Wu, **Annemieke van Zante**, Ivan H. El-Sayed, Alain P. Algazi, William R. Ryan, Patrick K. Ha and Sue S. Yom. 2018. Mortality risk after clinical management of recurrent and metastatic adenoid cystic carcinoma. *Journal of Otolaryngology - Head & Neck Surgery* 47:28. doi:10.1186/s40463-018-0273-z

42. Melina J. Windon, Gypsyamber D Souza, Eleni M. Rettig, William H. Westra, **Annemieke van Zante**, Steven J. Wang, William R. Ryan, Patrick K. Ha, Brett A. Miles, Wayne Koch, Christine Gourin, David W. Eisele and Carole Fakhry. 2018. Increasing prevalence of HPV-positive oropharyngeal cancers among older adults. *Cancer*. 124(14), 2993-2999. doi:10.1002/cncr.31385
43. Steven E. Goldstone, Shelly Y. Lensing, Elizabeth Sier, Teresa Darragh, Jeannette Lee, **Annemieke van Zante**, Naomi Jay, J. Muchael Berry-Lawharn, Ross D. Cranston, Ronald Mitsuyasu, David Aboulafia, Joel M. Palefsky, and Temothy Wilkin. 2018. A randomized clinical trial of infrared coagulation ablation versus active monitoring of intra-anal high-grade dysplasia in HIV-infected adults: An AIDS Malignancy Consortium trial. *Clinical Infections Diseases*. doi:10.1093/cid/ciy615
44. Gregory R. Bean, Gregor Krings, Christopher N. Otis, David A. Solomon, Joaquín J. García, **Annemieke van Zante**, Sandra I. Camelo-Piragua, Jessica Van Ziffle, Yunn-Yi Chen. 2018. CRTC1-MAML2 Fusion in Mucoepidermoid Carcinoma of the Breast. *Histopathology*. 74(3), 463-473. doi:10.1111/his.13779
45. Paola M. Perez, Thomas A. Hope, Spencer C. Behr, **Annemieke van Zante**, Eric J. Small, Robert R. Flavell. 2018. Intertumoral Heterogeneity of 18F-FDG and 68Ga-PSMA Uptake in Prostate Cancer Pulmonary Metastasis. *Clinical Nuclear Medicine*. 44(1), E28-32. doi:10.1097/RLU.0000000000002367
46. Jason W. Chan, Iwei Yeh, Ivan H. El-Sayed, Alain P. Algazi, Christine M. Glastonbury, Patrick K. Ha, Sue S. Yom, **Annemieke van Zante**. 2018. Ultraviolet light-related DNA damage mutation signature distinguishes cutaneous from mucosal or other origin in head and neck squamous cell carcinoma of unknown primary site. *Head and Neck*. doi:10.1002/hed.25613
47. Stephanie J. Kim, William P. Dillon, Thomas A. Hope, Ivan H. El-Sayed, **Annemieke van Zante**, Karin Wu, Umesh Masharani. 2018. Ectopic thyroid-stimulating hormone-secreting pituitary adenoma of the nasopharynx diagnosed by 68Ga-DOTA-TATE PET/CT. *World Neurosurgery*. doi:10.1016/j.wneu.2019.02.022

REVIEW ARTICLES

1. **Annemieke van Zante** and Steven D. Rosen. 2003. Sulfated endothelial ligands for L-selectin in lymphocyte homing and inflammation. *Biochemical Society Transactions*. 31:313-317. doi:10.1042/BST0310313
2. **Annemieke van Zante** and Richard Jordan. 2011. Salivary Duct Carcinoma: Pathologic and clinical features of a diagnostically challenging tumor. *Pathology Case Reviews*. 16:152-157. doi:10.1097/PCR.0b013e3182248a1a
3. Elham Khanafshar and **Annemieke van Zante**. 2011. Parathyroid carcinoma: Problems in Diagnosis. *Pathology Case Reviews*. 16:158-161. doi:10.1097/PCR.0b013e3182248a5b
4. Richard Jordan and **Annemieke van Zante**. 2011. Oropharyngeal carcinoma: A unique HPV associated tumor of the head and neck. *Pathology Case Reviews*. 16:174-177. doi:10.1097/PCR.0b013e3182248b4f

BOOKS AND CHAPTERS

1. "Thyroid Cytopathology: Benefits and Problems" in Clark Textbook of Endocrine Surgery, 3rd ed. 2015. O. Clark, Q-Y. Duh, and E. Kebebew, Eds.
2. "Salivary Gland FNA" in Gland-Preserving Salivary Surgery: A Problem-Based Approach. 2017. M.B. Gillespie, R.R. Walvekar, B.M. Schaitkin and D.W. Eisele, Eds.
3. Contributor to "Adenoid Cystic Carcinoma" in Classification of tumors of salivary glands in World Health Organization Classification of Tumours. 2017. Pathology and Genetics of Head and Neck Tumours. IARC Press.
4. "Detection Methods for Human Papilloma Virus (HPV) in Head and Neck Cancers" in Textbook of Oral Cancer - Prevention, Diagnosis and Management. 2018. Saman Warnakulasuriya and John Greenspan, Eds.

OTHER PUBLICATIONS

1. **Annemieke van Zante** and Richard Jordan. 2011. Editorial: Head and Neck Pathology. Pathology Case Reviews. 16:139-140.
2. David Landry, Sue S. Yom, and **Annemieke van Zante**. Clinical Correlation. American Journal of Neuroradiology. Online. June, 2015.
3. **Annemieke van Zante** and Britt-Marie Ljung. Commentary. 2016, Fine Needle Aspiration vs. Core Needle Biopsy: Reconsidering the Evidence of Superiority. Cancer Cytopathology. 124(12), 853-856. doi:10.1002/cncy.21788

SIGNIFICANT PUBLICATIONS

1. **Annemieke van Zante**, Jean-Marc Gauguet, Annette Bistrup, Durwin Tsay, Ulrich H. von Andrian and Steven D. Rosen. 2003. Lymphocyte-HEV interactions in lymph nodes of a sulfotransferase-deficient mouse. The Journal of Experimental Medicine. 198:1289-1300.

I performed and interpreted the key experiments characterizing both the in vitro and in vivo function of L-selectin ligands in a mouse deficient in a critical sulfotransferase. I was the primary author of this publication.
2. **Annemieke van Zante** and Richard Jordan. 2011. Salivary Duct Carcinoma: Pathologic and clinical features of a diagnostically challenging tumor. Pathology Case Reviews. 16:152-157.

I was the primary author of this practical review for pathologists.
3. Poonam Vohra, Britt-Marie Ljung, Theodore Miller, Eun-Sil Hwang and **Annemieke vanZante**. 2012. Paget's disease of the breast masquerading as squamous cell carcinoma on cytology: A case report. Diagnostic Cytopathology. 40:1015-1018.

I was the senior author of this case report. I mentored the primary author, a fellow in cytopathology, through the process of literature review, writing, and publication.

4. Margaret J. Zhou, **Annemieke van Zante**, Ann A. Lazar, Eli R. Groppo, Adam A. Garsa, William R. Ryan, Ivan H. El-Sayed, David W. Eisele and Sue S. Yom. 2017. Squamous Cell Carcinoma of Unknown Primary of the Head and Neck: □Low-Risk□ Prognostic Factors Comparable to Those Defining Oropharyngeal Cancer. Head and Neck.

I was the primary pathologist involved in characterization of a group of squamous cell carcinomas of unknown origin with metastasis in the head and neck region. This publication emphasizes that pathologic analysis can identify tumors in this group which have a good prognosis.

5. Jason W. Chan, Iwei Yeh, Ivan H. El-Sayed, Alain P. Algazi, Christine M. Glastonbury, Patrick K. Ha, Sue S. Yom, **Annemieke van Zante**. 2018. Ultraviolet light-related DNA damage mutation signature distinguishes cutaneous from mucosal or other origin in head and neck squamous cell carcinoma of unknown primary site. Head and Neck.

I was the primary pathologist involved in the novel application of next generation sequencing to definitively establish cutaneous origin for squamous cell carcinoma of the head and neck. This publication is the first description of this strategy in evaluation of squamous cell carcinoma of unknown primary.

CONFERENCE ABSTRACTS

1. Poster Presenter, Molecular Mechanisms of Leukocyte Trafficking Keystone Meeting. "Genetic Deletion of a High Endothelial Cell-Restricted Sulfotransferase: Effects on L-Selectin Ligand Modification and Lymphocyte Rolling," Steamboat Springs, CO, March 2002.
2. Poster Contributor, The American Laryngological, Rhinological and Otological Society Western Section Meeting. "Chronic Lymphocytic Leukemia Presenting as Vocal Cord Paralysis," Scottsdale, AZ, February 2004.
3. Poster Presenter, United States and Canadian Academy of Pathology Annual Meeting. "Extracellular Sulfatases are Expressed in Pancreatic Ductal Adenocarcinoma and Regulate WNT Signaling and Proliferation," San Diego, CA, February 2007.
4. Poster Contributor, The American Laryngological, Rhinological and Otological Society Western Section Meeting. "Melanoma of the Dorsal Tongue," Las Vegas, NV, January 2009.
5. Poster Contributor, World Conference on Lung Cancer. "Sulf-2, a Heparin Sulfate Endosulfatase, Promotes Human Lung Carcinogenesis," San Francisco, CA, August 2009.
6. Poster Contributor, The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "Clinical Impact of Human Papillomavirus in Cervical Metastasis from Unknown Primary," Scottsdale, AZ, January, 2011.
7. Poster Contributor, The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "An Unusual Presentation of a Lingual Dermoid Cyst," Scottsdale, AZ, January, 2011.
8. Poster Contributor, The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "Pilomatricoma Masquerading as Metastatic Squamous Cell Carcinoma," Scottsdale, AZ, January, 2011.

9. Poster Contributor. The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "Inter-arytenoid Schwannoma: Case Report and Literature Review," Miami, FL, January, 2012.
10. Poster Contributor. The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "Characteristics of Oncocytic Lipoadenoma of the Submandibular Gland," Miami, FL, January, 2012.
11. Poster Presenter, United States and Canadian Academy of Pathology Annual Meeting. "The Value of Second Opinion Review of Cytologic Specimens from the Head and Neck," Vancouver, Canada, March, 2012.
12. Poster Contributor, American College of Surgeons' 98th Annual Clinical Congress. "Sulf-2 and Overall Survival in Patients with Esophageal Cancer," Chicago, IL, September, 2012.
13. Poster Presenter, United States and Canadian Academy of Pathology Annual Meeting. "Fine Needle Aspiration of Hodgkin Lymphoma: The UCSF Experience," Baltimore, MD, March, 2013.
14. Poster contributor, The American Laryngological, Rhinological and Otological Society Combined Sections Meeting. "Pleomorphic Adenoma of the Major Salivary Glands: Diagnostic Utility of FNAB and MRI," Orlando, FL, April, 2013.
15. Poster Contributor. American laryngological, Rhinological and Otological Society Combined Sections Meeting. "Kimura Disease of the Parotid Gland Masquerading as a Venolymphatic Malformation," April, 2014.
16. Poster Presenter, United States and Canadian Academy of Pathology Annual Meeting. "Abdominal Fat Pad Aspiration for Diagnosis of Systemic Amyloidosis: A Retrospective Review," San Diego, CA, March, 2014.
17. Poster Contributor, International Federation of Head and Neck Oncologic Societies. "Magnetic Resonance Imaging to Detect Extranodal Extension in Squamous Cell Carcinoma of the Head and Neck." New York, NY, July, 2014.
18. Poster Contributor, International Federation of Head and Neck Oncologic Societies. "Outcomes of Sinonasal Mucosal Melanomas with Endoscopic and Open Resection: Analysis of 20 Patients Treated at UCSF." New York, NY, July, 2014.
19. Poster Contributor, United States and Canadian Academy of Pathology Annual Meeting. "Vascular Invasion, Not Capsular Invasion, Predicts Local Recurrence and Metastasis in Well-Differentiated Follicular Thyroid Carcinoma." Boston, MA, March 2015.
20. Poster Contributor. Multidisciplinary Head and Neck Cancer Symposium. "Differences in the Role of HPV in Squamous Cell Cancers by Gender, Race, Tumor Site, and HPV Detection Method. Scottsdale, AZ, February, 2016.
21. Poster Contributor. American Society of Clinical Oncology Annual Meeting. "The prognostic role of gender, race and human papillomavirus (HPV) in oropharyngeal squamous cell cancer (OPC) and non-oropharyngeal head and neck squamous cell cancer (non-OP HNC)." Chicago, IL, June. 2016.
22. Poster Contributor. 21st International AIDS Conference (AIDS 2016). "An AIDS Malignancy Consortium Randomized Clinical Trial of Infrared Coagulation (IRC) Ablation versus Deferred Treatment of Intra-Anal High Grade Squamous Intraepithelial Lesions (HSIL) in HIV-infected Subjects: Preliminary Results." Durban, South Africa, July 2016.

23. Poster Contributor. American Head and Neck Society Annual Meeting. "Survival Outcomes for Surgery Alone versus Surgery and Radiation Therapy among Patients with Salivary Adenoid Cystic Carcinoma." San Diego, CA, April 2017.
24. Poster Contributor. American Radium Society Annual Meeting. "Squamous Cell Carcinoma of Unknown Primary of the Head and Neck: Low-Risk Prognostic Factors for Disease Control and Survival Reminiscent of Oropharyngeal Carcinoma." Colorado Springs, CO, May 2017.
25. Platform Contributor, United State and Canadian Academy of Pathology Annual Meeting. "HPV-Related Squamous Cell Carcinoma of the Larynx and Oral Cavity: Clinicopathologic Characterization Including a Novel Warty Variant." National Harbor, MD, March, 2019.
26. Poster Presenter, United States and Canadian Academy of Pathology Annual Meeting. "Utility of p16 Expression for Distinction of HPV-Related Multiphenotypic Sinonasal Carcinoma from Adenoid Cystic Carcinoma." National Harbor, MD, March, 2019.
27. Poster Contributor. Endocrine Society Annual Meeting. "Ectopic thyroid-stimulating hormone-secreting pituitary adenoma of the nasopharynx diagnosed by 68Ga-DOTA-TATE PET/CT." New Orleans, LA, March, 2019.
28. Poster Contributor. American Association of Dental Research. "Clinicopathologic Implications of Beta-catenin and MYB in Adenoid Cystic Carcinoma." Vancouver, Canada, June, 2019.