## CURRICULUM VITAE

	Date: January 18, 2023
Justin Avery Bishop, M.D.	3

# **DEMOGRAPHIC INFORMATION**

# **Current Appointment**

9/2020 – present	Professor of Pathology, UT Southwestern Medical Center, Dallas, TX
7/2017 – present	Director of Head and Neck Pathology, UT Southwestern Medical Center, Dallas, TX
6/2019 – present	Director of Anatomic Pathology, UT Southwestern Medical Center, Dallas, TX
11/2020 – present	Jane B. and Edwin P. Jenevein M.D. Distinguished Chair in Pathology, UT Southwestern

# Personal Data

Department of Pathology UT Southwestern Medical Center 6201 Harry Hines Blvd. Clements University Hospital UH04.233 Dallas, TX 75390

Medical Center, Dallas, TX

# **Education and Training**

1998 - 2002	Bachelor in General Studies (BGS) with Highest Honors, Texas Tech University, Lubbock, TX.
2002 - 2006	M.D., Texas Tech University School of Medicine, Lubbock, TX
2006 - 2009	Resident, Anatomic/Clinical Pathology, The Johns Hopkins Hospital, Baltimore, MD
2009 - 2010	Chief Resident, Anatomic/Clinical Pathology, The Johns Hopkins Hospital, Baltimore, MD

# **Professional Experience**

7/2010 - 6/2011 7/2011 - 9/2015	Assistant in Surgical Pathology, Johns Hopkins University School of Medicine, Baltimore, MD Assistant Professor of Pathology, Johns Hopkins University School of Medicine, Baltimore, MD
10/2013 - 9/2015	Assistant Professor of Otolaryngology-Head and Neck Surgery, Johns Hopkins University
	School of Medicine, Baltimore, MD
4/2015 - 9/2015	Assistant Professor of Oncology, Johns Hopkins University School of Medicine, Baltimore, MD
10/2015 - 6/2017	Associate Professor of Pathology, Otolaryngology-Head and Neck Surgery, and Oncology, Johns
	Hopkins University School of Medicine, Baltimore, MD
7/2017 - 8/2020	Associate Professor of Pathology, UT Southwestern Medical Center, Dallas, TX
7/2017 – present	Director of Head and Neck Pathology, UT Southwestern Medical Center, Dallas, TX
1/2018 - 6/2019	Director of Surgical Pathology, UT Southwestern Medical Center, Dallas, TX
4/2018 - 11/2020	Jane B. and Edwin P. Jenevein M.D. Chair in Pathology, UT Southwestern Medical Center,
	Dallas, TX
11/2020 - present	Jane B. and Edwin P. Jenevein M.D. Distinguished Chair in Pathology, UT Southwestern
-	Medical Center, Dallas, TX
6/2019 – present	Director of Anatomic Pathology, UT Southwestern Medical Center, Dallas, TX
9/2020 – present	Professor of Pathology, UT Southwestern Medical Center, Dallas, TX

# **PUBLICATIONS**

# Original Research

- 1. **Bishop JA**, Chase N, Magill SS, Kurtzman CP, Fiandaca MJ, Merz WG. *Candida bracarensis* detected among isolates of *Candida glabrata* by peptide nucleic acid fluorescence in situ hybridization: susceptibility data and documentation of presumed infection. J Clin Microbiol. 2008. 46(2):443-446.
- 2. **Bishop JA**, Chase N, Lee R, Kurtzman CP, Merz WG. Production of white colonies on CHROMagar Candida medium by members of the *Candida glabrata* clade and other species with overlapping phenotypic traits. J Clin Microbiol. 2008. 46(10):3498-3500.
- 3. Lockhart SR, Messer SA, Gherna M, **Bishop JA**, Merz WG, Pfaller MA, Diekema DJ. Identification of *Candida nivariensis* and *Candida bracarensis* in a large global collection of *Candida glabrata* isolates: comparison to the literature. J Clin Microbiol. 2009. 47(4):1216-1217.
- 4. **Bishop JA**, Sharma R, Illei PB. Napsin A and thyroid transcription factor-1 expression in carcinomas of the lung, breast, pancreas, colon, kidney, thyroid, and malignant mesothelioma. Hum Pathol. 2010. 41(1):20-25. (Featured cover article)
- 5. **Bishop JA**, Benjamin H, Cholakh H, Chajut A, Clark DP, Westra WH. Accurate classification of non-small cell lung carcinoma using a novel microRNA-based approach. Clin Cancer Res. 2010. 16(2):610-619
- 6. **Bishop JA**, Rekhtman N, Chun J, Wakely PE Jr, Ali SZ. Malignant solitary fibrous tumor: cytopathologic findings and differential diagnosis. Cancer Cytopathol. 2010. 118(2):83-89.
- 7. **Bishop JA**, Shum CH, Sheth S, Wakely PE Jr, Ali SZ. Small cell osteosarcoma: cytopathologic characteristics and differential diagnosis. Am J Clin Pathol. 2010. 133(5):756-761.
- 8. **Bishop JA**, Owens CL, Shum CH, Ali SZ. Thyroid bed fine-needle aspiration: experience at a large tertiary care center. Am J Clin Pathol. 2010. 134(2):335-339.
- 9. **Bishop JA**, Hosler GA, Kulesza P, Erozan YS, Ali SZ. Fine-needle aspiration of renal cell carcinoma: is accurate Fuhrman grading possible on cytologic material? Diagn Cytopathol. 2011. 39(3):168-171.
- 10. **Bishop JA**, Sharma R, Westra WH. PAX8 immunostaining of anaplastic thyroid carcinoma: a reliable means of discerning thyroid origin for undifferentiated tumors of the head and neck. Hum Pathol. 2011. 42(12):1873-1877.
- 11. Cimino-Mathews A, Lin BM, Chang SS, Boahene KD, **Bishop JA**. Carcinoma ex pleomorphic adenoma of the nasal cavity. Head Neck Pathol. 2011. 5(4):405-409.
- 12. **Bishop JA**, Westra WH. Human papillomavirus-related small cell carcinoma of the oropharynx. Am J Surg Pathol. 2011. 35(11):1679-1684.
- 13. Syed R, **Bishop JA**, Ali SZ. Sacral and presacral lesions: Cytopathologic analysis and clinical correlates. Diagn Cytopathol. 2012. 40(1):7-13.
- 14. **Bishop JA**, Ogawa T, Chang X, Illei PB, Gabrielson E, Pai SI, Westra WH. HPV analysis in distinguishing second primary tumors from lung metastases in patients with head and neck squamous cell carcinoma. Am J Surg Pathol. 2012. 36(1):142-148.
- 15. **Bishop JA**, Maleki Z, Valsamakis A, Ogawa T, Chang X, Pai SI, Westra WH. Application of Hybrid capture 2 assay to squamous cell carcinomas of the head and neck: a convenient liquid-phase approach for the reliable determination of human papillomavirus status. Cancer Cytopathol. 2012. 120(1):18-25.
- 16. **Bishop JA**, Teruya-Feldstein J, Westra WH, Pelosi G, Travis WD, Rekhtman N. p40 (ΔNp63) is superior to p63 for the diagnosis of pulmonary squamous cell carcinoma. Mod Pathol. 2012. 25(3):405-415.
- 17. Laiq Z, **Bishop JA**, Ali SZ. Liver lesions in children and adolescents: Cytopathologic analysis and clinical correlates in 44 cases. Diagn Cytopathol. 2012. 40(7):586-591.
- 18. **Bishop JA**, Nelson AM, Merz WG, Askin FB, Riedel S. Evaluation of the detection of melanin by the Fontana-Masson silver stain in tissue with a wide range of organisms including Cryptococcus. Hum Pathol. 2012. 43(6):898-903.
- 19. Wakely PE Jr., Ali SZ, **Bishop JA**. The cytopathology of malignant peripheral nerve sheath tumor: a report of 55 FNA cases. Cancer Cytopathol. 2012. 120(5):334-41.
- 20. **Bishop JA**, Wu G, Tufano RP, Westra WH. Histological patterns of locoregional recurrence in Hürthle cell carcinoma of the thyroid gland. Thyroid. 2012. 22(7):690-694.
- 21. **Bishop JA**, Westra WH. NUT midline carcinomas of the sinonasal tract. Am J Surg Pathol. 2012. 36(8):1216-1221.
- 22. Tufano RP, **Bishop J**, Wu G. Reoperative central compartment dissection for patients with recurrent/persistent papillary thyroid cancer: efficacy, safety, and the association of the BRAF mutation. Laryngoscope. 2012. 122(7):1634-1640.
- 23. Iwama S, DeRemigis A, **Bishop JA**, Kimura HJ, Caturegli P. Hurthle cells predict hypothyroidism in IFNγ transgenic mice of different genetic backgrounds. Endocrinology. 2012. 153(8):4059-66.

- 24. Junn J, Sciubba JJ, **Bishop J**, Zinreich ES, Tang M, Levine MA, Palermo R, Fakhry C, Blanco RG, Saunders JR, Califano J, Ha PK. Effect of Amifostine on submandibular gland histology after radiation. Int J Otolaryngol 2012. 508279.
- 25. **Bishop JA**, Ma X-J, Illei PB, Begum S, Taube JM, Koch WM, Westra WH. Detection of transcriptionally active high risk HPV in patients with head and neck squamous cell carcinoma as visualized by the novel RNAscope method. Am J Surg Pathol. 2012. 36(12):1874-1882.
- 26. Tufano RP, Teixeira GV, **Bishop J**, Carson KA, Xing M. *BRAF* mutation in papillary thyroid cancer and its value in tailoring initial treatment: a systematic review and meta-analysis. Medicine (Baltimore). 2012. 91(5):274-86.
- 27. Shao C, Tan M, **Bishop JA**, Liu J, Bai W, Gaykalova D, Ogawa T, Vikani AR, Agrawal Y, Li RJ, Kim MS, Westra WH, Sidransky D, Califano JA, Ha PK. Suprabasin is hypomethylated and associated with metastasis in salivary adenoid cystic carcinoma. PLoS ONE. 2012. 7(11):e48582.
- 28. Chan JY, Sanguineti G, Richmon, JD, Marur S, Gourin CG, Koch W, Chung CH, Quan H, **Bishop JA**, Aygun N, Agrawal N. Retrospective review of positron emission tomography with contrast-enhanced computed tomography in the posttreatment setting in human papillomavirus-associated oropharyngeal carcinoma. Arch Otolaryngol Head Neck Surg. 2012. 138(11):1040-1046.
- 29. **Bishop JA**, Guo TW, Smith DF, Wang H, Ogawa T, Pai SI, Westra WH. Human papillomavirus-related carcinomas of the sinonasal tract. Am J Surg Pathol. 2013. 37(2):185-92.
- 30. Joseph AW, Ogawa T, **Bishop JA**, Lyford-Pike S, Chang X, Phelps TH, Westra WH, Pai SI. Molecular etiology of second primary tumors in contralateral tonsils of human papillomavirus-associated index tonsillar carcinomas. Oral Oncol. 2013. 49(3):244-248.
- 31. Agrawal N, Jiao Y, Sausen M, Leary R, Bettegowda C, Roberts N, Bhan S, Ho A, Khan Z, **Bishop J**, Westra WH, Tufano R, Robinson B, Dralle H, Toledo SPA, Toledo R, Chan T, Velculescu V, Vogelstein B, Kinzler K, Papadopoulos N, Nelkin B, Ball D. Exomic sequencing of medullary thyroid cancer reveals dominant and mutually exclusive mutations in RET and RAS. J Clin Endocrinol Metab. 2013. 98(2):E364-369.
- 32. Lyford-Pike S, Peng S, Young GD, Taube JM, Westra WH, Akpeng B, Bruno TC, Richmon JD, Wang H, **Bishop JA**, Chen L, Drake CG, Topalian SL, Pardoll DM, Pai SI. Evidence for a role of the PD1:PD-L1 pathway in immune resistance of HPV-associated head and neck squamous cell carcinoma. Cancer Res. 2013. 73(6):1733-1741.
- 33. Liu Y, Cope L, Sun W, Wang Y, Prasad N, Sangenario L, Talbot K, **Bishop J**, Westra W, Califano J, Zeiger M, Umbricht C. DNA copy number variations characterize benign and malignant thyroid tumors. J Clin Endocrinol Metab. 2013. 98(3):E558-566.
- 34. Boonyaarunnate T, Olson MT, **Bishop JA**, Yang GCH, Ali SZ. Cribriform morular variant of papillary thyroid carcinoma: clinical and cytomorphological features on fine needle aspiration. Acta Cytol. 2013. 57(2):127-133.
- 35. Bauman JE, Pudilo HA, Lee SJ, Fekrazad MH, Ozawa H, Fertig E, Howard J, **Bishop J**, Wang H, Olson GT, Spafford MJ, Jones DV, Chung CH. A phase II study of Temsirolimus and Erlotinib in patients with recurrent and/or metastatic, platinum refractory head and neck squamous cell carcinoma. Oral Oncol. 2013. 49(5):461-467.
- 36. **Bishop JA**, Ogawa T, Stelow EB, Moskaluk CA, Koch WM, Pai SI, Westra WH. Human papillomavirus-related carcinoma with adenoid cystic-like features: a peculiar variant of head of neck cancer restricted to the sinonasal tract. Am J Surg Pathol. 2013. 37(6):836-844.
- 37. **Bishop JA**, Yonescu R, Batista DAS, Westra WH, Ali SZ. Cytopathologic features of mammary analogue secretory carcinoma. Cancer Cytopathol. 2013. 121(5):228-233.
- 38. **Bishop JA**, Yonescu R, Batista D, Eisele DW, Westra WH. Most non-parotid "acinic cell carcinomas" represent mammary analogue secretory carcinomas. Am J Surg Pathol. 2013. 37(7)1053-1057.
- 39. **Bishop J**, Zhang W, Ioffe OB, Ali SZ. Aspiration cytopathology of the peripancreatic space: a clinicoradiologic and cytopathologic analysis of 42 cases. Korean J Pathol. 2013. 47(3):258-264.
- 40. **Bishop JA**, Yonescu R, Batista D, Begum S, Eisele DW, Westra WH. Utility of mammaglobin immunohistochemistry as a proxy marker for the ETV6-NTRK3 translocation of salivary mammary analogue secretory carcinoma. Hum Pathol. 2013. 44(10):1982-1988. (Featured cover article)
- 41. Schwartz LE, Begum S, Westra WH, **Bishop JA**. GATA3 immunohistochemical expression in salivary gland neoplasms. Head Neck Pathol. 2013. 7(4):311-315.
- 42. Arnaoutakis D, **Bishop J**, Westra W, Califano JA. Recurrence patterns and management of oral cavity premalignant lesions. Oral Oncol. 2013. 49(8):817-817.
- 43. Liu X, **Bishop J**, Shan Y, Pai S, Liu D, Murugan AK, Sun H, El-Naggar A, Xing M. Highly prevalent TERT promoter mutations in aggressive thyroid cancers. Endocr Relat Cancer. 2013. 20(4):603-610.

- 44. Li C, Han PA, Lee KC, Lee LC, Fox AC, Beninato T, Thiess M, Dy BM, Sebo TJ, Thompson GB, Grant CS, Giordano TJ, Gauger PG, Doherty GM, Fahey TJ, **Bishop J**, Eshleman JR, Umbricht CB, Schneider EB, Zeiger MA. Does BRAF V600E mutation predict aggressive features in papillary thyroid cancer? Results from four endocrine surgery centers. J Clin Endocrinol Metab. 2013. 98(9):3702-3712.
- 45. Jara SM, Carson KA, Pai SI, Agrawal N, Richmon JD, Prescott JD, Dackiw A, Zeiger MA, **Bishop JA**, Tufano RP. The relationship between chronic lymphocytic thyroiditis and central neck lymph node metastasis in North American patients with papillary thyroid carcinoma. Surgery. 2013. 154(6):1272-1282.
- 46. **Bishop JA,** Montgomery EA, Westra WH. Use of p40 and p63 immunohistochemistry and human papillomavirus testing as ancillary tools for the recognition of head and neck sarcomatoid carcinoma and its distinction from benign and malignant mesenchymal processes. Am J Surg Pathol. 2014. 38(2):257-64.
- 47. Tilson MP, Gallia GL, **Bishop JA**. Among sinonasal tumors, CDX-2 immunoexpression is not restricted to intestinal-type adenocarcinomas. Head Neck Pathol. 2014. 8(1):59-65.
- 48. Sun W, Gaykalova D, Ochs M, Mambo E, Arnaoutakis D, Liu Y, Loyo M, Agrawal N, Howard J, Li R, Ahn S, Fertig E, Sidransky D, Houghton J, Buddavarapu K, Sanford T, Choudhary A, Darden W, Adai A, Latham G, **Bishop J**, Sharma R, Westra W, Hennessey P, Chung C, Califano J. Activation of the NOTCH pathway in head and neck cancer. Cancer Res. 2014. 74(4):1091-1094.
- 49. Mydlarz WK, Uemura M, Ahn S, Hennessey PT, Chang S, Demokan S, Sun W, Shao C, **Bishop JA**, Krosting J, Mambo E, Westra WH, Ha PK, Sidransky D, Califano JA. Clusterin is a Gene Specific Target of MicroRNA-21 in Head and Neck Squamous Cell Carcinoma. Clin Cancer Res. 2014. 20(4):868-877.
- 50. Tilson MP, **Bishop JA**. Utility of p40 in the differential diagnosis of small round blue cell tumors of the sinonasal tract. Head Neck Pathol. 2014. 8(2):141-5.
- 51. Tan M, Shao C, **Bishop JA**, Feng Z, Trock BJ, Westra WH, Ha PK. Aquaporin-1 promoter hypermethylation is associated with improved prognosis in salivary gland adenoid cystic carcinoma. Otolaryngol Head Neck Surg. 2014. 150(5):801-7.
- 52. Smith DF, Maleki Z, Coughlan D, Gooi Z, Akpeng B, Ogawa T, **Bishop JA**, Frick KD, Agrawal N, Gourin CG, Ha PK, Koch WM, Richmon JD, Westra WH, Pai SI. Human papillomavirus status of head and neck cancer as determined in cytologic specimens using the hybrid capture 2 assay. Oral Oncol. 2014. 50(6):600-4.
- 53. Li R, Ochs MF, Ahn SM, Hennessey P, Tan M, Soudry E, Gaykalova DA, Uemura M, Brait M, Shao C, Westra W, **Bishop J**, Fertig EJ, Califano JA. Expression microarray analysis reveals alternative splicing of LAMA3 and DST genes in head and neck squamous cell carcinoma. PLoS One. 2014. 9(3):e91263.
- 54. Gaykalova DA, Mambo E, Choudhary A, Houghton J, Buddavarapu K, Sanford T, Darden W, Adai A, Hadd A, Latham G, Danilova LV, **Bishop J**, Li RJ, Westra WH, Hennessey P, Koch WM, Ochs MF, Califano JA, Sun W. Novel insight into mutational landscape of head and neck squamous cell carcinoma. PLoS One. 2014. 9(3):e93102.
- 55. **Bishop JA**, Yonsecu R, Batista D, Warnock G, Westra WH. Glandular Odontogenic Cysts (GOCs) Lack *MAML2* Rearrangements: A Finding to Discredit the Putative Nature of GOC as a Precursor to Central Mucoepidermoid Carcinoma. Head Neck Pathol. 2014. 8(3):287-290.
- 56. **Bishop JA**, Batista D, Yonescu R, Ha P, Yemelyanova A, Westra WH. Mucoepidermoid carcinoma does not harbor transcriptionally active high risk human papillomavirus even in the absence of the MAML2 translocation. Head Neck Pathol. 2014. 8(3):298-302.
- 57. Xing M, Liu R, Liu X, Murugan AK, Zhu G, Zeiger MA, Pai SI, **Bishop J**. *BRAF* and *TERT* promoter mutations cooperatively identify the most aggressive papillary thyroid cancer with highest recurrence. J Clin Oncol. 2014. 32(25):2718-2726.
- 58. **Bishop JA**, Antonescu C, Westra WH. SMARCB1 (INI-1) deficient carcinomas of the sinonasal tract. Am J Surg Pathol. 2014. 38(9):1282-1289.
- 59. Rooper L, Sharma R, **Bishop JA**. Polymorphous low-grade adenocarcinoma has a consistent p63+/p40-immunophenotype that helps distinguish it from adenoid cystic carcinoma and cellular pleomorphic adenoma. Head Neck Pathol. 2015. 9(1):79-84.
- 60. Li R, Faden DL, Fakhry C, Langelier C, Jiao Y, Wang Y, Wilkerson MD, Pedamallu CS, Old M, Lang J, Loyo M, Ahn SM, Tan M, Gooi Z, Chan J, Richmon J, Wood LD, Hruban RH, **Bishop J**, Westra WH, Chung CH, Califano J, Gourn CG, Bettegowda C, Meyerson M, Papadopoulos N, Kinzler KW, Vogelstein B, DeRisi JL, Koch WM, Agrawal N. Clinical, genomic, and metagenomic characterization of oral squamous cell carcinoma in patients who do not smoke. Head Neck. 2015. 37(11):1642-9.

- 61. Ahn SM, Chan JY, Zhang Z, Wang H, Khan Z, **Bishop JA**, Westra W, Koch WM, Califano JA. Saliva and plasma quantitative polymerase chain reaction-based detection and surveillance of human papillomavirus-related head and neck cancer. JAMA Otolaryngol Head Neck Surg. 2014. 140(9):846-854.
- 62. Parfenov M, Pedamallu C, Gehlenborg N, ... Kucherlapati R, Cancer Genome Atlas Network\*. Characterization of HPV and host genome interactions in primary head and neck cancers. Proc Natl Acad Sci USA. 2014. 111(43):15544-9.

  \*As a member of Cancer Genome Atlas Head and Neck Cancer Network.
- 63. Cancer Genome Atlas Research Network\*. Integrated genomic characterization of papillary thyroid carcinoma. Cell. 2014. 159(3):676-690.
  - \*As a member of Cancer Genome Atlas Thyroid Cancer Network.
- 64. Azani AB, **Bishop JA**, Thompson LDR. Sinonasal tract neurofibroma: a clinicopathologic series of 12 cases with a review of the literature. Head Neck Pathol. 2015. 9(3):323-33.
- 65. Gibson TC, **Bishop JA**, Thompson LDR. Parotid gland nodular fasciitis: a clinicopathologic series of 12 cases with a review of 18 cases from the literature. Head Neck Pathol. 2015. 9(3):334-44.
- 66. Lau SK, **Bishop JA**, Thompson LDR. Spindle cell lipoma of the tongue: A clinicopathologic study of 8 cases and review of the literature. Head Neck Pathol. 2015. 9(2):253-9.
- 67. Tan W, Guner G, Miyamoto H, Cimino-Mathews A, Gonzalez-Roibon N, Argani P, Li X, Sharma R, Subhawong AP, Rezaei K, Bivalacqua TJ, Epstein JI, **Bishop JA**, Netto GJ. Utility of uroplakin II expression as a marker of urothelial carcinoma. Hum Pathol. 2015. 46(1):58-64.
- 68. Ahn J, **Bishop JA**, Akpeng B, Pai SI, Best SR. Xenograft model for therapeutic drug testing in recurrent respiratory papillomatosis. 2015. Ann Otol Rhinol Laryngol. 124(2):110-115.
- 69. Cancer Genome Atlas Network.\* Comprehensive genomic characterization of head and neck squamous cell carcinomas. 2015. 517:576-582. (Featured cover article)

  \*As a member of Cancer Genome Atlas Head and Neck Cancer Network.
- 70. Hayashi M, Wu G, Roh J-L, Chang X, Li X, Ahn J, Goldsmith M, Khan Z, **Bishop J**, Zhang Z, Zhou XC, Richmon J, Agrawal N, Koch W. Correlation of gene methylation in surgical margin imprints with local recurrence in head and neck squamous cell carcinoma. Cancer. 2015. 15(12):1957-65.
- 71. Karatayli-Ozgursoy S, Pacheco-Lopez P, Hillel AT, Best SR, **Bishop JA**, Akst LM. Laryngeal dysplasia, demographics, and treatment: a single institution, 20-year review. JAMA Otolaryngol Head Neck Surg. 2015. 141(4):313-8.
- 72. Gilbert J, Schell M, Zhao X, Murphy B, Tanvetyanon T, Leon ME, Hayes N, Haigentz M, Saba NF, Nieva J, **Bishop JA**, Sidransky D, Ravi D, Bedi A, Chung CH. A randomized phase II efficacy and correlative studies of cetuximab with or without sorafenib in recurrent and/or metastatic head and neck squamous cell carcinoma. Oral Oncology. 2015. 51(4):376-382.
- 73. Shi X, Liu R, Qu S, Zhu G, **Bishop J**, Liu X, Sun H, Shan Z, Wang E, Luo Y, Yang X, Zhao J, Du J, El-Naggar AK, Teng W, Xing M. Association of TERT promoter mutation 1,295,228 C>T with *BRAF* V600E mutation, older patient age, and distant metastasis in anaplastic thyroid cancer. J Clin Endocrinol Metab. 2015. 100(4):376-382.
- 74. Rettig EM, Chung CH, **Bishop JA**, Howard JD, Sharma R, Li RJ, Douville C, Karchin R, Izumchenko E, Sidransky D, Koch WM, Califano J, Agrawal N, Fakhry C. Cleaved NOTCH1 expression pattern in head and neck squamous cell carcinoma is associated with NOTCH1 mutation, HPV status, and high-risk features. Cancer Prev Res. (Phila.) 2015. 8(4):287-295.
- 75. Chung CH, Guthrie VB, Masica DL, Tokheim C, Kang H, Richmon J, Agrawal N, Fakhry C, Quon H, Subramaniam RM, Zuo Z, Seiwert T, Chalmers ZR, Frampton GM, Ali SM, Yelensky R, Stephens PJ, Miller VA, Karchin R, **Bishop JA**. Genetic alterations in head and neck squamous cell carcinoma determined by cancer genetargeted sequencing. Ann Oncol. 2015. 26(6):1216-23.
- 76. **Bishop JA**, Alaggio R, Zhang L, Seethala RR, Antonescu CR. Adamantinoma-like Ewing family tumors of the head and neck: a pitfall in the differential diagnosis of basaloid and myoepithelial carcinoma. Am J Surg Pathol. 2015. 39(9):1267-74.
- 77. Gaykalova DA, Manola JB, Ozawa H, Zizkova V, Morton K, **Bishop JA**, Sharma R, Zhang C, Michailidi C, Considine M, Tan M, Fertig EJ, Hennessey PT, Ahn J, Koch WM, Westra WH, Khan Z, Chung CH, Ochs MF, Califano JA. NF-μB and STAT3 transcription factor signatures differentiate HPV-positive and HPV-negative head and neck squamous cell carcinoma. Int J Cancer. 2015. 137(8):1879-89.

- 78. **Bishop JA**, Yonescu R, Epstein JI, Westra WH. A subset of prostatic basal cell carcinomas harbors the *MYB* rearrangement of adenoid cystic carcinoma. Hum Pathol. 2015. 46(8):1204-8.
- 79. Rettig EM, Tan M, Ling S, Yonescu R, **Bishop JA**, Fakhry C, Ha PK. *MYB* rearrangement and clinicopathologic characteristics in head and neck adenoid cystic carcinoma. Laryngoscope. 2015. 125(9):E292-9.
- 80. Verduin L, **Bishop JA**, Mills SE. Gnathic and peripheral ameloblastomas lack human papillomavirus DNA. Ann Diagn Pathol. 2015. 19(5):306-309.
- 81. Wang Y, Springer S, Mulvey CL, Silliman N, Schaefer J, Sausen M, James N, Rettig EM, Guo T, Pickering CR, **Bishop JA**, Chung CH, Califano JA, Eisele DW, Fakhry C, Gourin CG, Ha P, Kang H, Kiess A, Koch WM, Myers JN, Quon H, Richmon JD, Sidransky D, Tufano RP, Westra WH, Bettegowda C, Diaz LA Jr., Papadopoulos N, Kinzler KW, Vogelstein B, Agrawal N. Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas. Sci Transl Med. 2015. 7(293):293ra104.
- 82. Pang J, Mydlarz WK, Gooi Z, Waters KM, **Bishop J**, Sciubba JJ, Kim YJ, Fakhry C. Follicular dendritic sarcoma of the head and neck: case report, literature review, and pooled analysis of 97 cases. Head Neck. 2016. 38(S1):E2241-E2249.
- 83. Lewis JS Jr., Tarabishy Y, Luo J, Mani H, **Bishop JA**, Leon M, Prasad ML, Zu H, Di Palma S. Inter- and Intraobserver variability in the classification of extracapsular extension in p16 positive oropharyngeal squamous cell carcinoma metastases. Oral Oncol. 2015. 51(11):985-90.
- 84. **Bishop JA**, Westra WH. Ciliated HPV-related carcinoma: a well-differentiated form of head and neck carcinoma that can be mistaken for a benign cyst. Am J Surg Pathol. 2015. 39(11):1591-1595.
- 85. Gaykalova DA, Vatapalli R, Wei Y, Tsai H-L, Wang H, Zhang C, Hennessey PT, Tan M, Li R, Ahn J, Khan Z, Westra WH, **Bishop JA**, Zaboli D, Koch WM, Khan T, Ochs MF, Califano JA. Outlier analysis defines zinc finger gene family DNA methylation in tumor and saliva of head and neck cancer patients. PLOS One. 2015. 10(11):e0142148.
- 86. Cowan ML, Thompson LD, Leon ME, **Bishop JA**. Low-grade fibromyxoid sarcoma of the head and neck: a clinicopathologic series and review of the literature. Head Neck Pathol. 2016; 10(2): 161-6.
- 87. Karatayli-Ozgursoy S, **Bishop J**, Hillel AT, Akst LM, Best SR. Risk factors for dysplasia in recurrent respiratory papillomatosis in an adult and pediatric population. Ann Otol Rhinol Laryngol. 2016. 125(3):235-41.
- 88. Faquin WC, Wong LQ, Afrogheh A, Ali SZ, **Bishop J**, Bongiovanni M, Pusztaseri M, Vandenbussche C, Gourmaud J, Vaickus LJ, Baloch ZW. The impact of reclassifying non invasive follicular variant of papillary thyroid carcinoma on the risk of malignancy in the Bethesda system for reporting thyroid cytopathology. Cancer Cytopathol. 2016. 124(3):181-7.
- 89. Hipp J, Jing X, Zarka M, Schmitt AC, Siddiqui MT, Wakely Jr P, **Bishop J**, Ali SZ. Cytomorphologic characteristics and differential diagnoses of lymphoepithelial carcinoma of the parotid. J Am Soc Cytopathol. 2016. 5(2): 93-9.
- 90. Thompson ED, Stelow EB, Mills SE, Westra WH, **Bishop JA**. Large cell neuroendocrine carcinoma of the head and neck: a clinicopathologic series of 10 cases with an emphasis on HPV status. Am J Surg Pathol. 2016. 40(4):471-8.
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- 56. Zidar N, **Bishop JA**, Vigneswaran N, Zain RB, Woo SB. Verrucous carcinoma of the oral cavity and mobile tongue. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: https://tumourclassification.iarc.who.int/chapters/52.
- 57. Thavaraj S, **Bishop JA**, Kaplan I, Morgan P. Carcinoma cuniculatum. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: https://tumourclassification.iarc.who.int/chapters/52.
- 58. Lewis JS Jr., **Bishop JA**. Oropharyngeal tumours (base of tongue, tonsils, adenoids): Introduction. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon

- (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: https://tumourclassification.iarc.who.int/chapters/52.
- 59. Westra W, Fujii S, **Bishop JA**, Yamamoto H, Chernock R, Faquin WC, Rooper LM, Badoual C, Robinson M. Squamous cell carcinoma, HPV-associated. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: https://tumourclassification.iarc.who.int/chapters/52.
- 60. Dickson BC, **Bishop JA**. GLI1-altered soft tissue tumor. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: <a href="https://tumourclassification.iarc.who.int/chapters/52">https://tumourclassification.iarc.who.int/chapters/52</a>.
- 61. Rooper LM, **Bishop JA**, Flucke U, Weinreb I. Ewing sarcoma. In: WHO Classification of Tumours Editorial Board. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: <a href="https://tumourclassification.iarc.who.int/chapters/52">https://tumourclassification.iarc.who.int/chapters/52</a>.
- 62. **Bishop JA**, French CA, Stelow EB. NUT carcinoma. In: WHO Classification of Tumours Editorial Board. Paediatric tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 7). Available from: <a href="https://tumourclassification.iarc.who.int/chapters/44">https://tumourclassification.iarc.who.int/chapters/44</a>.
- 63. Kazakov DV, **Bishop JA**, Calonje JE, Goto K, KastnerovaL. Secretory carcinoma. In: WHO Classification of Tumours Editorial Board. Skin tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2023. (WHO classification of tumours series, 5th ed.; vol. 12). Available from: <a href="https://tumourclassification.iarc.who.int/chapters/64">https://tumourclassification.iarc.who.int/chapters/64</a>.

## Books, Textbooks

- 1. Rekhtman N, **Bishop JA**. Quick Reference Handbook for Surgical Pathologists. Springer, 2011.
- 2. Tatsas A, Ali SZ, **Bishop JA**, Tsai S, Sheth S, Parwani AV. Atlas of Radiologic-Cytopathologic Correlations. Demos, 2012.
- 3. Westra WH, **Bishop JA**. Differential Diagnoses in Surgical Pathology: Head and Neck. Wolters Kluwer, 2016.
- 4. VandenBussche CJ, Ali SZ, Faquin WC, Maleki Z, **Bishop JA**. Atlas of Salivary Gland Cytopathology with Histopathologic Correlations. Demos, 2017.
- 5. Thompson LDR, **Bishop JA**. Foundations in Diagnostic Pathology: Head and Neck Pathology, 3<sup>rd</sup> Edition. Elsevier, 2018.
- 6. Rekhtman N, Baine MK, **Bishop JA**, eds. Quick Reference Handbook for Surgical Pathologists, 2<sup>nd</sup> Edition. Springer, 2019.
- 7. Gnepp DR. **Bishop JA**, eds. Gnepp's Diagnostic Surgical Pathology of the Head and Neck, 3<sup>rd</sup> Edition. Elsevier, 2020.
- 8. Jain D, **Bishop JA**, Wick MR, eds. Atlas of Thymic Pathology. Springer, 2020.
- 9. **JA Bishop**, LDR Thompson, P Wakely, I Weinreb. Tumors of the Salivary Glands Fascicle. ARP Press, 2021.
- 10. WHO Classification of Tumours Editorial Board (**Bishop JA**, Chan JKC, Gale N, Helliwell T, Hyrcza MD, Lewis JS Jr., Loney EL, Mehrota R, Mete O, Muller S, Nose V, Odell EW, Skalova A, Tilakartne WM, Wenig BM, Cree IA, Denton ERE, Field AS, Gill AJ, Hodge J, Khoury JD, Lax SF, Lazar AJ, Moch H, Rous B, Srigley JR, Tan PH, Thompson LDR, Tzuzuki T, Washington ML. Head and neck tumours [Internet; beta version ahead of print]. Lyon (France): International Agency for Research on Cancer; 2022. (WHO classification of tumours series, 5th ed.; vol. 9). Available from: https://tumourclassification.iarc.who.int/chapters/52.

## Letters, Correspondence

- 1. **Bishop JA**, Sharma R, Netto GJ, Illei PB. TTF-1 expression in a case of renal collecting duct carcinoma reply. Hum. Pathol. 2012. 43(7):1154.
- 2. Dettloff J, Seethala RR, Stevens TM, Brandwein-Gensler M, Centeno BA, Otto K, Bridge JA, **Bishop JA**, Leon ME. Regarding Bocklage et al. "Regarding Dettloff et al. Mammary Analog Secretory Carcinoma (MASC) Involving the Thyroid Gland: A Report of First 3 Cases". Head Neck Pathol. 2017. 11(2):266-267.

3. Miller DL, Thompson LDR, **Bishop JA**, Rooper LM, Ali SZ. Corrigendum to Malignant teratomas of the thyroid gland: clinico-radiologic and cytomorphologic features of a rare entity. 2020. 9(6):607-608.

## **Invited Book Reviews**

1. **Bishop JA**. Book review: Atlas of Oral and Maxillofacial Histopathology. Am J Surg Pathol. 2013. 37(1):152.

#### **Editorials**

- 1. **Bishop JA**. Capturing human papillomavirus status: utilizing liquid-phase HPV assays on FNAs of metastatic head and neck cancers. J. Am. Soc. Cytopathol. 2014. 3(4):171-172.
- 2. Ferlito A, Coca-Pelaz A, Rodrigo JP, Triantafyllou A, Devaney KO, Hunt JL, Perez-Ordonez B, Slootweg PJ, Bell D, **Bishop JA**, Rinaldo A. New tumor phenotypes reported in the larynx in the last decades: a critique. Am. J. Otolaryngol. Head Neck Med. Surg. 2015. 36(3):494-7.
- 3. **Bishop JA**. Updates on Sinonasal Pathology: Introduction. Semin Diagn Pathol. 2016. 33(2):61-62.
- 4. **Bishop JA**, Ha PK. Human papillomavirus detection in a "Digital" age. Cancer. 2016. 122(10):1502-4.
- 5. Pusztaszeri M, Rossi ED, Auger M, Baloch Z, **Bishop J**, Bongiovanni M, Chandra A, Cochand-Priollet B, Fadda G, Hirokawa M, Hong S, Kakudo K, Krane JF, Nayar R, Parangi S, Schmitt F, Faquin WC. The Bethesda System for Reporting Thyroid Cytopathology: Proposed Modifications and Updates for the Second Edition from an International Panel. Acta Cytol. 2016;60(5):399-405.
- 6. **Bishop JA**. Immunohistochemistry surrogates for molecular alterations: A new paradigm in salivary gland tumor cytopathology? Cancer Cytopathol. 2021;129(2):102-103.
- 7. **Bishop JA**. IDK what's next for IDC: the unfolding saga of intraductal carcinoma of salivary glands. Cancer Cytopathol. 2021. 129(12):926-927.

#### Other Media

1. VandenBussche CJ, Ali SZ, Zhou AG, Olson MT, **Bishop JA**. The Johns Hopkins Atlas of Thyroid Pathology. iOS application. <a href="https://apps.apple.com/in/app/thyroid-pathology/id1472283511">https://apps.apple.com/in/app/thyroid-pathology/id1472283511</a>

#### **FUNDING**

#### **EXTRAMURAL** Funding

NIH/NCI 1R01CA21193001A1 (Sumer)

pH Transistor Nanoprobes for Detection of Occult Nodal Metastases

Role: Co-Investigator

5% salary support 07/12/2017-06/30/2022

NIH/NCI 3P50CA070907-20S1 (Minna)

The University of Texas SPORE in Lung Cancer Pathology and Tissue Resources Core

Role: Co-Director

8% salary support 09/01/2020-08/31/2025

NIH 5R01GM140012-02 (Xiao)

Developing computational algorithms for histopathological image analysis

Role: Co-Investigator

10% salary support 1/1/2021-12/31/2024

1U01CA249245-01A1 (Xiao)

Informatics Tools To Analyze And Model Whole Slide Image Data At The Single Cell Level

Role: Co-Investigator

8% salary support 9/15/2021-8/31/2024

Toshiba 100012653 (Brewington)

Feasibility of CT Perfusion (CTP) as a noninvasive method for characterizing pulmonary lesions as benign or malignant

Role: Co-Investigator

2% salary support 9/01/2019 – 12/31/2021

NIH/NCI 5P50CA70907-20 (Minna)

The University of Texas SPORE in Lung Cancer

Pathology and Tissue Resources Core

Role: Co-Director

5% salary support 02/01/2019-08/31/2019

State of Maryland Department of Health and Mental Hygiene (Cigarette Restitution Fund Program)

Discovery of a New HPV-Associated Head and Neck Cancer

Role: Primary Investigator

14% salary support 07/01/2015-06/30/2016

NIDCR P50 DE019032 (Sidranksy)

Specialized Program of Research Excellence (SPORE) in Head and Neck Cancer

Pathology/Tissue Core Role: Co-Director

5% salary support 08/31/12-07/31/17

NIH 1R21CA179327-01A1(Madabhushi, Lewis)

Histologic Image-based aggressiveness Prediction in P16+ Oropharyngeal Carcinoma

Role: Co-Investigator

2% salary support 07/01/14 -06/30/16

NIDCR - DHHS - NIH The University of Texas M.D. Anderson Cancer Center Career Development Award

Promoter Hypermethylation of RASSF1A in Adenoid Cystic Carcinoma

Role: Principal investigator

11.5% salary support 02/01/11-01/31/12

Research Program Building / Leadership

Name of research: Johns Hopkins Head and Neck Cancer Research/Department of Pathology

Dates: July 2010-June 2017

Role: Faculty

#### **EDUCATIONAL ACTIVITIES**

## **Teaching**

## Classroom instruction

2006 – 2010 Virtual microscopy laboratory teaching assistant, medical student pathophysiology course, The Johns

Hopkins School of Medicine.

2007 – 2010 Coordinator (2009-2010) and instructor, Introduction to Anatomic Pathology ("Intern Conference"),

The Johns Hopkins Hospital

2009 Co-editor, 2009-2010 version of "The Johns Hopkins University Pathology Residents' Survival

Handbook"

2011 Lecturer, "Benign lesions of the sinonasal tract" and "Malignant lesions of the sinonasal tract," Pathology

Resident Lecture Series, The Johns Hopkins Hospital

2011 – 2017 Virtual microscopy laboratory instructor, Genes to Society, Endocrine Pathology and Neoplasia sections,

The Johns Hopkins School of Medicine

2013 Lecturer, "Low grade epithelial proliferations of the sinonasal tract" and "Small round blue cell tumors of

the sinonasal tract," Pathology Resident Lecture Series, The Johns Hopkins Hospital

2014 Lecturer, "Low grade epithelial proliferations of the sinonasal tract" and "Small round blue cell tumors of

the sinonasal tract," Pathology Resident Lecture Series, The Johns Hopkins Hospital

2016	Lecturer, "Low grade epithelial proliferations of the sinonasal tract" and "Small round blue cell tumors of the sinonasal tract," Pathology Resident Lecture Series, The Johns Hopkins Hospital
2017	Lecturer, "Update on HPV-related head and neck carcinomas" and "Small round blue cell tumors of the sinonasal tract," Pathology Resident Lecture Series, UT Southwestern Medical Center
2018	Lecturer, "Update on HPV-related head and neck carcinomas" and "Small round blue cell tumors of the sinonasal tract," Pathology Resident Lecture Series, UT Southwestern Medical Center
2019	Lecturer, "RISE update: head and neck pathology," Pathology Resident Lecture Series, UT Southwestern
2020	Medical Center Lecturer, "Small round blue cell tumors of the sinonasal tract," "Salivary gland pathology: the basics," and "Newly defined and recently refined salivary gland tumors." Pathology Resident Lecture Series, UT
	Southwestern Medical Center
2022	Lecturer, "Small round blue cell tumors of the sinonasal tract," "Salivary gland pathology: the basics," and "Newly defined and recently refined salivary gland tumors." Pathology Resident Lecture Series, UT
	Southwestern Medical Center

# Clinical instruction

2010 - 2017	Direct microscopic and grossing room teaching, Surgical Pathology (pathology residents, surgical
	pathology assistants, and medical students), Johns Hopkins Hospital

2017 – present Direct microscopic and grossing room teaching, Surgical Pathology (pathology residents, fellows, and medical students), UT Southwestern Medical Center

# Other CME instruction

2018	Oakstone Masters of Pathology Series, Head and Neck Pathology. <a href="https://www.oakstone.com/head-">https://www.oakstone.com/head-</a>
	and-neck-pathology
2021	Oakstone Masters of Pathology Series, Head and Neck Pathology. <a href="https://www.oakstone.com/head-">https://www.oakstone.com/head-</a>

and-neck-pathology

# Mentoring

Advisees	
2010 - 2011	Ashley Cimino-Mathews M.D., resident, currently associate professor, Pathology, Johns Hopkins
	University, published two articles under my supervision.
2012 – 2014	Matthew Tilson, M.D., resident, currently private practice pathologist in Savannah Georgia, published two articles under my supervision.
2012 - 2013	Lauren Schwartz, M.D., surgical pathology fellow, currently assistant professor, Pathology, University of
	Pennsylvania, one USCAP meeting abstract and one published article under my supervision.
2013 – present	Lisa Rooper, M.D., resident, currently assistant professor in Surgical Pathology, Johns Hopkins
1	University, three USCAP meeting abstracts (one of which won the 2016 Leon Barnes trainee poster
	award) and five published articles under my supervision.
2014 - 2017	Morgan Cowan, M.D., resident, currently assistant in Surgical Pathology, Johns Hopkins University, two
	published articles under my supervision.
2014 - 2016	Elizabeth Thompson, M.D., resident, currently assistant professor, Pathology, Johns Hopkins University,
	one USCAP meeting abstract (which won the 2015 Johns Hopkins Pathology Young Investigators Day
	Award for Excellence in Clinical Research) and one published article under my supervision.
2017 – present	Akeesha Shah, M.D., assistant professor, Pathology, Cleveland Clinic, two published articles and two
r	USCAP meeting abstracts under my supervision
2017 – present	Elizabeth Kurian, M.D., assistant professor, UT Southwestern Medical Center, one USCAP meeting
r	abstract, articles under my supervision
2018 – present	Anne Mclean, DMD, instructor, Emory University, articles under my supervision.
2019 – present	Doreen Palsgrove, MD, assistant professor, UT Southwestern Medical Center, articles under my
2015 present	supervision
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Training grant participation

07/01/2012 – 06/30/2013 American Academy of Otolaryngology Head and Neck Surgery CORE Grant

Title: The role of Aquaporin-1 in salivary gland adenoid cystic carcinoma

PI: Patrick Ha, MD

Role: To provide expert pathological support.

08/01/2014 – 07/30/2015 American Society of Pediatric Otolaryngology Dustin Micah Harper RRP Research

Title: The PD-1 and PD-L1 Pathway in Recurrent Respiratory Papillomatosis

PI: Simon Best, M.D.

Role: To provide expert pathological support. Triological Society Career Development Award

Title: Therapeutic DNA Vaccine for Recurrent Respiratory Papillomatosis

PI: Simon Best, M.D.

Role: To provide expert pathological support.

#### **CLINICAL ACTIVITIES**

08/01/2014 - 07/30/2016

#### Certification

Medical

2009-2019 Maryland, license number D0070023 2017-Present Texas, license number R4005

## Boards, other specialty certification:

2010 Anatomic and Clinical Pathology, The American Board of Pathology, Certificate #10-055, no

expiration date

# Clinical (Service) Responsibilities:

2010 – 2011 Surgical Pathology staff, time commitment 100% 2011 – 2017 Surgical Pathology staff, time commitment 50%

2017 – present Head and Neck Surgical Pathology Staff, time commitment 50%

## Clinical Program Building / Leadership

7/2011 – 6/2017 Associate Director, Head and Neck Pathology Consultation service, Johns Hopkins University

In this role, I assist the Director in running one of the busiest head and neck consult practices in the country by signing out cases submitted from all over the United States and participating in phone or email consultations from clinicians and patients. In addition, I introduced ETV6 fluorescence in situ hybridization and high-risk HPV mRNA in situ hybridization as clinical tests.

7/2017 Director, Head and Neck Pathology Service, UT Southwestern Medical Center

#### **ORGANIZATIONAL ACTIVITIES**

## **Institutional Administrative Appointments**

2008-2010 The Johns Hopkins Hospital Surgical Invasive Procedure Review Committee

2009-2010 The Johns Hopkins Pathology Education Committee

2009-2010; 2011-2014 The Johns Hopkins Hospital Pathology Residency Training Committee

2013 – 2015 Co-director, Johns Hopkins Pathology Grand Rounds

2013 – 2017 Director, The Johns Hopkins Hospital Immunohistochemistry Laboratory 2017 – present Director, Head and Neck Pathology, UT Southwestern Medical Center

2018 – 2019 Director, Surgical Pathology, Clements University Hospital, UT Southwestern Medical Center

2019 - present Director, Anatomic Pathology, UT Southwestern Medical Center

2019 – present Credentialing Committee, Clements University Hospital

2019 - present Best Practices Committee, UT Southwestern Department of Pathology

2020 - 2021Ophthalmology Chairman Search Committee, UT Southwestern Medical Center

#### **Editorial Activities**

#### Editor-in-Chief

1/1/2020 – present Seminars in Diagnostic Pathology

#### Associate Editor

1/1/2017 – present JAMA Otolaryngology-Head and Neck Surgery, Pathology Section 3/1/2018 – present Journal of the American Society of Cytopathology, Small Biopsy Section

6/1/2019 – present Modern Pathology, Head and Neck Pathology Section 4/2/2017 - 9/1/2019Histopathology, Head and Neck Pathology Section

# Editorial Board appointments

7/2012 - 8/2015, Head and Neck Pathology

7/2019 - 8/2022

8/2013 – present American Journal of Surgical Pathology

4/2014 – present Annals of Otology, Rhinology, & Laryngology

12/2016 – present Oral Oncology

International Journal of Surgical Pathology 1/2018 – present

11/2018 – present Human Pathology

1/2019 – present Annals of Diagnostic Pathology

## Journal peer review activities

2010 – present Diagnostic Cytopathology 2011 - present Annals of Surgical Oncology Journal of Thoracic Oncology 2011 – present

2011 – present Lung Cancer 2012 - 2018Human Pathology

2012 – present Thyroid

Head and Neck 2013 - present

2013 – present Cancer 2013 - 2017

Histopathology

2014 – present International Journal of Surgical Pathology

2014 - 2019Modern Pathology Virchows Archiv 2014 – present

Journal of the American Society of Cytopathology 2015 - 2018

2015 – present Oncology PLOS One 2015 - present

Cancer Cytopathology 2016 – present 2018 - presentLancet Oncology Clinical Cancer Research

2019 – present

## Other peer review activities

3/2016 Guest editor, Updates of Sinonasal Tract Pathology, Seminars in Diagnostic Pathology, Volume 33, issue 2.

3/2016 Guest editor, Sinonasal Tract Pathology, Head and Neck Pathology, Volume 10, issue 1.

Guest co-editor with Liron Pantanowitz and Judy Pang, Small Biopsy Special Issue, Journal of the American 9/2020

Society of Cytopathology, Volume 9, issue 5.

Guest editor, Salivary Gland Pathology, Surgical Pathology Clinics, Volume 14, Issue 1. 3/2021

# Advisory Committees, Review Groups/Study Sections

Invited attendee: Scientific Advances in Salivary Gland Carcinoma Pathobiology Workshop, 2/2012

Bethesda, Maryland

8/2013 Invited member of The Cancer Genome Atlas (TCGA) for Thyroid Cancer Network

1/2014	Invited member of The Cancer Genome Atlas (TCGA) for Head and Neck Cancer Network
3/2014	Invited member of Head and Neck Working Group, European Society of Pathology
6/2014	Invited member of International Head and Neck Scientific Group
2014-2019	United States and Canadian Academy of Pathology (USCAP) Abstract Review Subcommittee, Head and
	Neck Pathology
2016-2019	Lead Reviewer on the USCAP Abstract Assignment Committee for the Head and Neck Pathology
	category
12/2014	Invited member of Expert Panel for Human Papillomavirus testing in head and neck squamous cell
	carcinomas, College of American Pathologists.
4/2015	Invited member of international panel for Bethesda System for Reporting Thyroid Cytopathology: Past,
	Present, and Future.
5/2015	Invited contributor to the 4th edition of the World Health Organization Classification of Head and Neck
	Tumors
7/2016	Expert panel member, International Collaboration on Cancer Reporting (ICCR) for carcinomas of the
	nasal cavity and paranasal sinuses.
1/2018	Endorsement Review Panel to assess the Clinical Practice Guideline: Evaluation of the Neck Mass in
	Adults, by the American Academy of Otolaryngology- Head and Neck Surgery, College of American
	Pathologists
2020-2021	Expert panel member, 5th edition of the World Health Organization Classification of Head and Neck
	Tumors

Professional So	ocieties
2002-present	American Medical Association
2006-present	American Society for Clinical Pathology
2006-present	College of American Pathologists (Surgical Pathology Committee, 2019-2020)
2009-present	Pulmonary Pathology Society
2009-present	United States and Canadian Academy of Pathology (lead reviewer abstract assignment committee 2016-
-	19; Interactive Microscopy Head and Neck Coordinator 2019-present; Education Committee 2022-
	present)
2009-present	North American Society of Head and Neck Pathology (Secretary, 2020 – present)
2017-present	Texas Society of Pathology (Education Committee chair, 2019 – present)
2017-present	North Texas Society of Pathology (Secretary, 2021-2022; Treasurer, 2022 – present)
2018-present	Arthur Purdy Stout Society (Awards committee, 2022 – present)
2018-present	Association of Directors of Anatomic and Surgical Pathology (Executive Council, 2018 – 2021)
•	,
Session Chair	

## Session Chair

5/31/2016	Session chair, proffered papers 7 (thyroid gland), The 19th International Congress of Cytology,
	Yokohama, Japan.

3/6/2017 Session chair, proffered papers (head and neck), United States and Canadian Academy of Pathology

Annual Meeting, San Antonio, Texas.

3/19/2022 Session moderator, USCAP Annual Meeting. Junior Faculty Development: Turning and Abstract into a

Paper. Los Angeles, California.

# Consultantships

2017-2018 Genentech Advisory Board

2017-2018 Ignyta

# RECOGNITION

# Awards, Honors

2008	Joseph Carr Eggleston Award for Excellence in Surgical Pathology Research
2010	Pathology Young Investigators Day Award for Excellence in Clinical Research

2011 Grover M. Hutchins, M.D. Memorial Fund Recipient

2012	#3 article on Human Pathology's "Top 25 Hottest Articles of 2011" list. (Napsin A and thyroid
	transcription factor-1 expression in carcinomas of the lung, breast, pancreas, colon, kidney, thyroid, and
	malignant mesothelioma)
2014	Society for Endocrinology Journal Award (Highly prevalent TERT promoter mutations in aggressive thyroid
	cancers).
2018	American Society for Clinical Pathology 40 Under Forty Honoree
2020	Texas Society of Pathologists Presidential Award
2020	Arthur Purdy Stout Society of Pathology Annual Prize

## **Invited Talks**

- 1. Speaker, Current Concepts in Thyroid and Parathyroid Disease and Surgery, Baltimore, Maryland. "Thyroid FNA cytology: update of the Bethesda criteria." 10/14/2011
- 2. Speaker, St. Luke's Medical Center International Symposium on Pathology: Head and Neck Lesions, Surgical Pathology and Fine Needle Aspiration Biopsy Cytology. Manila, Philippines. 12/1-2/2011

"Small round blue cell tumors of the sinonasal tract."

"Pitfalls in odontogenic pathology."

"Low grade epithelial proliferations of the sinonasal tract."

- 3. Speaker, Next Generation Dx Summit. Washington, D.C., "Human papillomavirus and head and neck cancer." 8/22/2012
- 4. Speaker, Maryland Society of Pathologists Semi-Annual Symposium. Silver Spring, MD. "New developments in head and neck surgical pathology." 12/8/2012
- 5. Speaker, The Johns Hopkins University Pathology Grand Rounds. Baltimore, MD. "New developments in head and neck surgical pathology." 12/10/2012
- 6. Speaker, United States and Canadian Academy of Pathology Annual Meeting, Head and Neck Companion Meeting. Baltimore, MD. "Unmasking MASC: Bringing to light the unique morphologic, immunohistochemical, and genetic features of the newly recognized mammary analogue secretory carcinoma of salivary glands." 3/3/2013
- 7. Speaker, Georgetown University Hospital lecture series, Washington, D.C., "New developments in head and neck surgical pathology." 5/21/2013
- 8. Speaker, University of Oklahoma Department of Pathology lecture to residents, fellows, and faculty. Oklahoma City, OK. "New developments in head and neck surgical pathology." 10/8/2013
- Speaker, Oncology Continuing Education Symposium: Cancer in Habitual Clinical Practice. Clinica Las Condes Centro Clinico del Cancer. Universidad de Chile. Santiago, Chile. "New developments in head and neck surgical pathology." 10/23/2013
- 10. Speaker, Controversies in HPV and Head and Neck Cancer. National Harbor, Maryland. "HPV-related cancer in extra-oropharyngeal sites." 10/25/2013
- 11. Speaker, University of Minnesota Department of Pathology lecture to residents, fellows, and faculty. Minneapolis, MN. "New developments in head and neck surgical pathology." 2/13/2014
- 12. Speaker, University of Virginia Department of Pathology Research Seminar Series. Charlottesville, VA. 2/17/2014

"New developments in head and neck surgical pathology."

Slide session on difficult head and neck pathology consult cases.

- 13. Speaker, Siriraj Hospital at Mahidol University special lecture for residents and faculty. Bangkok, Thailand. "New developments in head and neck surgical pathology." 10/2/2014
- 14. Speaker, Cytopathology Symposium, 30th Congress of the International Academy of Pathology. Bangkok, Thailand. "Thyroid gland histology-cytopathology correlation: A surgical pathologist's perspective." 10/6/2014
- 15. Speaker, Updates in HPV and Head and Neck Cancer. Baltimore, Maryland. "HPV in non-oropharyngeal head and neck cancer." 11/1/2014
- Speaker, 45° Congreso Argentino de Patología. Buenos Aires, Argentina. 11/13/2014

"New developments in head and neck surgical pathology."

"Diagnostic challenges in thyroid gland surgical pathology."

Slide session on difficult head and neck pathology consult cases.

- 17. Speaker, The American Society for Clinical Pathology National Webcast. "New developments in head and neck surgical pathology." 12/19/2014
- 18. Speaker, United States and Canadian Academy of Pathology Annual Meeting, Boston, MA. "A carcinoma by "INI" other name." 3/23/2015
- 19. Speaker, Baylor University Medical Center special lecture to residents, fellows, and faculty. Dallas, TX. "New developments in head and neck surgical pathology." 7/24/2015
- 20. Speaker, Current Concepts in the Management of Thyroid and Parathyroid Tumors. Baltimore, Maryland. "Thyroid gland pathology in a nutshell." 10/2/2015
- 21. Speaker, Updates in HPV and Head and Neck Cancer, Baltimore, Maryland. "HPV in non-oropharyngeal head and neck carcinomas." 10/3/2015
- 22. Speaker, Greater Baltimore Medical Center, Otolaryngology-Head and Neck Surgery Grand Rounds. Baltimore, Maryland. "New developments in head and neck surgical pathology." 11/6/2015
- 23. Speaker, Advances in Oral Diseases, 46th Professor Janez Plecnik Memorial Meeting, University of Ljubljana, Slovenia. 12/3/2015
  - "Oral Pathology of HIV/AIDS."
  - "Overview of Human Papillomavirus and Head and neck Carcinoma."
- 24. Speaker and Course Co-Director, United States and Canadian Academy of Pathology Short Course, Seattle, Washington. "Head and Neck Pathology in the HPV era: A Crash Course." 3/17/2016
- 25. Speaker, The Johns Hopkins University Endocrinology Grand Rounds, Baltimore, MD. "The evolving saga of the follicular variant of papillary carcinoma." 3/30/2016
- 26. Speaker, The 19th International Congress of Cytology, Yokohama, Japan. 5/30/2016

  "Thyroid Cytopathology with Histopathologic Correlations: A Practical Approach."

  "Undifferentiated Carcinoma" in Symposium titled, "The Bethesda System for Reporting Thyroid Cytopathology: Past, Present, Future."
- 27. Visiting professorship, The Ohio State University Medical Center. Columbus, OH. "New developments in head and neck surgical pathology." 6/23-24/2016
- 28. Speaker, Pathology Seminar Series, UT Southwestern Medical Center, Dallas, TX. "New developments in head and neck surgical pathology" 9/8/2016
- 29. Speaker, Pathology Grand Rounds, University of Alabama-Birmingham. Birmingham, AL. "New developments in head and neck surgical pathology." 9/16/2016
- 30. Speaker, XXXI International Congress of the International Academy of Pathology and 28th Congress of the European Society of Pathology, Cologne, Germany. "Update on the 4th World Health Organization Classification of Head and Neck Tumors: Human Papillomavirus-Related Head and Neck Carcinomas." 9/27/2016
- 31. Speaker, The 1st Johns Hopkins HKIAP HKSC Workshop, Prince Wales Hospital, Hong Kong. 10/1-2/2016 "An Update on HPV-related head and neck carcinoma,"
  - "Diagnostic Challenges in Thyroid Histopathology,"
  - "Unknown cases in thyroid gland histopathology."
- 32. Speaker, Kuwait Cancer Control Centre/University Health Network 3<sup>rd</sup> Annual Pathology Conference, Salwa Sabah Al-Ahmad Theatre and Hall, Kuwait City, Kuwait. 11/1/2016
  - "Challenging Cases in Head and Neck Pathology."
  - "Overview of HPV in Head and Neck Cancer."
  - "Updates on Sinonasal Tract and Salivary Gland Pathology."
- 33. Speaker, French Annual Meeting of Pathology, "HPV related head and neck carcinoma: diagnostic Challenges in FNAs and small biopsies," Palais des Congrès, Paris, France. 11/8/2016
- 34. Speaker, New York Pathology Society Meeting. "New developments in head and neck surgical pathology." Einhorn Auditorium Lenox Hill Hospital. New York, NY. 11/18/2016
- 35. Visiting professorship, Pathology Grand Rounds and Otolaryngology Grand Rounds, University of California-San Francisco, "Updates on Human Papillomavirus-Related Head and Neck Carcinomas." 1/24-25/2017
- 36. Speaker, United States and Canadian Academy of Pathology Annual Meeting, Head and Neck Companion Meeting. San Antonio, Texas. "ISPs and OSPs and ESPs, Oh My: An Update of Sinonasal Papillomas." 3/5/2017
- 37. Speaker, Molecular Diagnostics of Head and Neck Tumors. United States and Canadian Academy of Pathology Short Course, San Antonio, Texas. 3/7/2017
- 38. Speaker and Course Co-Director, United States and Canadian Academy of Pathology Short Course, San Antonio, Texas. "Head and Neck Pathology in the HPV era: a Crash Course." 3/8/2017

- 39. Toynbee Lectureship, Charing Cross Hospital/Imperial College. London, England. "Newly Described Sinonasal Tumors." 4/20/2017
- 40. Speaker, American Academy of Oral and Maxillofacial Pathology Annual Meeting, Newport, Rhode Island. "Newly Defined (And Recently Refined) Tumors in Head and Neck Pathology." 4/30/2017
- 41. Speaker, Diagnostic Pitfalls in the Practice of Head and Neck, Breast, GU and Liver Pathology. Reynolds Lodge, Lake Oconee, Georgia. 6/19-22/2017
  - "Diagnostic Challenges in Thyroid Gland Surgical Pathology"
  - "An Overview of HPV in Head and Neck Pathology"
  - "Who Knows the Nose? Newly Described Sinonasal Tumors"
  - "CATs, MASCs, SPAs, and more: What's New in Salivary Gland Pathology"
  - "Head (and Neck) Scratchers: Difficult Cases in ENT Pathology"
- 42. Course co-director, Human Papillomavirus (HPV) Testing in Head and Neck Carcinomas Guideline from the College of American Pathologists. American Society for Clinical Pathology Annual Meeting, Chicago, Illinois. 9/8/2017
- 43. Speaker, San Antonio Society of Pathology Annual Seminar, "WHO's WHO in Head and Neck Pathology." San Antonio, TX. 1/6/2018
- 44. Speaker, Updates in Surgical Pathology, Brigham and Women's Hospital, Boston, MA. "Newly Defined (and Recently Refined) Salivary Gland Tumors. 2/9/2018
- 45. Speaker, Tata Memorial Centre XVI Annual Conference on Evidence Based Management of Cancers in India, Mumbai, India. 2/22-24/2018
  - "Newly Defined (and Recently Refined) Salivary Gland Tumors"
  - "New Entities in Sinonasal Tumor Pathology"
  - "Diagnostic Challenges in Thyroid Gland Surgical Pathology"
  - "Practical Molecular Diagnostics in Salivary Gland Pathology."
- 46. Speaker, Cytopathology and Small Biopsy Update, Texas Medical Center at Houston Methodist Hospital, Houston, Texas. "HPV-related head and neck carcinomas: diagnostic challenges on FNAs and small biopsies." 3/3/2018
- 47. Speaker and Course Co-Director, United States and Canadian Academy of Pathology Short Course, Vancouver, Canada. "Head and Neck Pathology in the HPV era: A Crash Course." 3/20/2018
- 48. Speaker, "Molecular Diagnostics of Head and Neck Tumors." United States and Canadian Academy of Pathology Annual Meeting, Vancouver, Canada. 3/21/2018
- 49. Speaker, Sinonasal Pathology, Hot Topics in Head and Neck Pathology, United States and Canadian Academy of Pathology Annual Meeting, Vancouver, Canada. 3/21/2018
- 50. Speaker, North Texas Society of Pathology meeting, "Updates on HPV-related head and neck carcinomas." Dallas, Texas. 4/11/2018
- 51. Speaker, 4th Annual Practical Approach to Surgical Pathology and Cytopathology, Coronado, CA. 4/19-21/2018 "Update on HPV-related Head and Neck Carcinomas"
  - "What's New in Salivary Gland Pathology?"
  - "Newly Defined (and Recently Refined) Sinonasal Tumors"
- 52. Speaker, College of American Pathologists Webinar, "Review of CAP Guidelines for HPV testing of head and neck carcinomas." 5/2/2018
- 53. Course Director, The Brave New World of Head and Neck Pathology, USCAP Interactive Microscopy Course, Palm Springs, CA. 6/2-3/2018
- 54. Speaker, Pathology Grand Rounds, Dartmouth-Hitchcock Medical Center, Lebanon, NH. "Newly Defined (and Recently Refined) Salivary Gland Tumors. 6/6/2018
- 55. Speaker, Basel Seminars in Pathology and Genetics 2018, University Hospital Basel, Switzerland. 6/22-23/2018 "It's Not Just for Smokers Anymore: An Update on HPV-related Head and Neck Carcinomas" "Newly Defined (and Recently Refined) Salivary Gland Tumors"
- 56. Speaker, Maryland Society of Pathologists, Summer Meeting. 7/22/2018
  - "Newly Defined (and Recently Refined) Sinonasal Tumors"
  - "Update on HPV-related Head and Neck Carcinomas"
- 57. 31st European Congress of Pathology, Arthur Purdy Stout Society Session. "That is one case I will never forget." Bilbao Spain. 9/11/2018

- 58. Speaker, 11th Annual Midwestern Conference Update Course in Surgical Pathology, Milwaukee, WI. 9/16/2018 "Update on HPV-related Head and Neck Carcinomas"
  - "Newly Defined (and Recently Refined) Salivary Gland Tumors"
- 59. Course co-director, Human Papillomavirus (HPV) Testing in Head and Neck Carcinomas Guideline from the College of American Pathologists. American Society for Clinical Pathology Annual Meeting, Baltimore, Maryland. 10/3/2018
- 60. Course co-director, WHO Knows the Nose? An Essential (and Very Practical) Guide to Sinonasal Tract Pathology, American Society for Clinical Pathology Annual Meeting, Baltimore, Maryland. 10/5/2018
- 61. Speaker, "Molecular Diagnostics of Head and Neck Tumors." XXXII International Congress of the International Academy of Pathology, Amman, Jordan. 10/16/2018
- 62. Speaker, Practical problems in Head and Neck Pathology, "Adamantinoma-like Ewing sarcoma" and "Clear cell Carcinoma." XXXII International Congress of the International Academy of Pathology, Amman, Jordan. 10/16/2018
- 63. Speaker, Modern Surgical Pathology Through the Expert Eyes of Arthur Purdy Stout Society-USCAP, USCAP Interactive Microscopy Course, Palm Springs, CA. 10/27/2018
- 64. Speaker, University of Miami 43<sup>rd</sup> Annual Pathology Conference, Miami, Florida. 1/22/2019

  "It's Not Just for Smokers Anymore: An Update on HPV-related Head and Neck Carcinomas"

  "Newly Defined (and Recently Refined) Salivary Gland Tumors"
- "Pitfalls in the Diagnosis of Head and Neck Squamous Cell Carcinoma and Dysplasia"

  65. Speaker, Loma Linda University Pathology and Human Anatomy Reunion 2019, Loma Linda, California. 2/28/2019.
  - "Sinonasal Small Round Blue Cell Tumors"
  - "Newly Defined (and Recently Refined) Salivary Gland Tumors"
- 66. Speaker and Course Director, Interactive Microscopy Session, "Newly Defined (and Recently Refined) Head and Neck Tumors." United States and Canadian Academy of Pathology Annual Meeting, National Harbor, MD. 3/18/2019
- 67. Speaker, "Molecular Diagnostics of Head and Neck Tumors." United States and Canadian Academy of Pathology Annual Meeting, National Harbor, MD. 3/19/2019
- 68. Speaker and Course Co-Director, United States and Canadian Academy of Pathology Short Course, National Harbor, MD. "Don't "Blow Your Nose" Case: An Essential (and Very Practical) Guide to Sinonasal Surgical Pathology." 3/20/2019
- 69. Speaker, Houston Society of Clinical Pathologists Annual Meeting. Houston, TX. 4/5-6/2019
  "Sinonasal Small Round Blue Cell Tumors: An Immunohistochemistry-Based Algorithmic Approach"
  "Newly Defined (and Recently Refined) Salivary Gland Tumors"
- 70. Speaker, Allegheny Health System 26th Annual Seminar in Pathology. Pittsburgh, PA. 4/25/2019 "Update on HPV-related Head and Neck Carcinomas" "Pitfalls in the Diagnosis of Head and Neck Squamous Cell Carcinoma and Dysplasia" "What's New in Salivary Gland Pathology?"
- 71. Speaker, French Division of International Academy of Pathology Course on Head and Neck Pathology, Paris, France. 5/24/2019
  - "What's New in Salivary Gland Pathology?"
  - "Variants of Head and Neck Squamous Cell Carcinoma"
- 72. Speaker, Founders Seminar, American Academy of Oral and Maxillofacial Pathology Annual Meeting, Miami, Florida. "Even More Newly Defined (And Recently Refined) Tumors in Head and Neck Pathology." 6/11/2019
- 73. Speaker, Ben Pilch Honorary Lecture, Current Concepts in Head and Neck & Endocrine Pathology Course. Harvard Medical School, Boston, MA. 6/13/2019
  - "Variants of Head and Neck Squamous Cell Carcinoma"
  - "Sinonasal Small Round Blue Cell Tumors: An Immunohistochemistry-Based Algorithmic Approach"
- 74. Speaker, Diagnostic Problems in Head & Neck, Soft Tissue, GI and Pancreaticobiliary: A Practical Approach for the Practicing Pathologist. Maui, HI. 10/14-17/2019
  - "Salivary Gland Surgical Pathology: The Basics
  - "Newly Defined (and Recently Refined) Salivary Gland Tumors"
  - "Pitfalls in the Diagnosis of Head and Neck Squamous Cell Carcinoma and Dysplasia"
  - "Thyroid Gland Surgical Pathology: Common Lesions and Pitfalls"

- Speaker, UTSW Oral and Maxillofacial Surgery Grand Rounds. "Newly Defined (and Recently Refined) Salivary Gland Tumors" Dallas, TX. 10/30/2019
- 76. Speaker, California Tumor Tissue Registry 147th Semi-Annual Seminar, "Salivary Gland and Sinonasal Pathology: Out with the Old, In with the New." San Francisco, CA. 12/8/2019
- 77. Speaker and Course Director, Interactive Microscopy Session, "Newly Defined (and Recently Refined) Head and Neck Tumors." United States and Canadian Academy of Pathology Annual Meeting, Los Angeles, CA. 3/5/2020
- 78. Speaker and Course Co-Director, "Don't 'Blow Your Nose' Case: An Essential (and Very Practical) Guide to Sinonasal Surgical Pathology." United States and Canadian Academy of Pathology Short Course. Los Angeles, CA. 3/5/2020.
- 79. Speaker, "Emergence of fusion-related cancers of the head and neck." National Cancer Institute Rare Tumors Task Force. 5/11/2020. Virtual.
- 80. Speaker, "Updates on HPV-related head and neck carcinomas." College of American Pathologists Virtual Lecture Series for Pathology Residents. Online. 5/27/2020
- 81. Speaker, "Salivary Gland Tumors New Variants and New Entities from a Molecular Perspective." Hong Kong International Academy of Pathology 30th Anniversary Meeting. 10/24-26/2020. Virtual.
- 82. Speaker, "Newly Defined (and Recently Refined) Salivary Gland Tumors." University of Florida Jacksonville Pathology Grand Rounds. 12/7/2020. Virtual.
- 83. Speaker, "Who NOSE what we'll find next? What's new in sinonasal tumor pathology." National Institutes of Health Mechanisms of Sinonasal and Skull Base Tumorigenesis Basic and Translational Research Series. 12/11/2020. Virtual.
- 84. Speaker, Salivary Gland Tumor Slide Session. Virtual. Hosted by University of Pretoria, South Africa. 3/2/2021
- 85. Speaker, Sinonasal Tract Tumor Slide Session. Virtual. Hosted by University of Pretoria, South Africa. 4/13/2021
- 86. Speaker, International Association of Oral and Maxillofacial Pathologists. Virtual.. 6/21-22/2021 Sinonasal tract pathology slide seminar Newly Defined (and Recently Refined) Salivary Gland Tumors
- 87. Speaker, "Emerging Entities in Salivary Gland Pathology." Manchester Pathology 2021: 13th Joint Meeting of the BDIAP and The Pathological Society. Virtual.. 7/6/2021
- 88. Speaker, 6th Annual Surgical Pathology Update: Diagnostic Pearls for the Practicing Pathologist. Omni Scottsdale Resort & Spa at Montelucia, Scottsdale, AZ. 10/14-16/2021.

Pitfalls in the Diagnosis of Head and Neck Squamous Cell Carcinoma and Dysplasia Updates on Human Papillomavirus-related Head and Neck Carcinomas Newly Defined and Recently Refined Salivary Gland Tumors

- 89. Speaker, National E-Congress of the Mexican Federation of Pathology. Virtual.. 10/27-30/2021 Newly Defined and Recently Refined Salivary Gland Tumors Who NOSE What We'll Find Next? Emerging Sinonasal Tumor Entities
- 90. Speaker, Curso Internacional Sociedad Argentina de Pathologia. Virtual Meeting. 11/5-6/2021 Newly Defined and Recently Refined Salivary Gland Tumors Who NOSE What We'll Find Next? Emerging Sinonasal Tumor Entities
- 91. Speaker, Pathology Update: Head and Neck Pathology Practical Approach and Emerging Issues Digital Conference. University of Toronto. Virtual Meeting. 11/4/2021.

Newly Defined and Recently Refined Salivary Gland Tumors

Who NOSE What We'll Find Next? Emerging Sinonasal Tumor Entities

- 92. Speaker, "What's new in salivary gland and sinonasal tract tumor pathology." California Society of Pathologists Annual Meeting. Virtual Meeting. 12/2/2021. Virtual.
- 93. Speaker, "Newly defined and recently refined salivary gland tumors." University of California San Diego Pathology Research Lecture Series. 3/14/2022. Virtual.
- 94. Speaker, "Newly defined and recently refined salivary gland tumors." University of Nebraska Medical Center Pathology Grand Rounds. 3/16/2022. Virtual.
- 95. Speaker, United States and Canadian Academy of Pathology Annual Meeting, Head and Neck Companion Meeting. Los Angeles, CA. "Emerging Entities in Salivary Gland Tumor Pathology." 3/20/2022
- 96. Speaker, United States and Canadian Academy of Pathology Annual Meeting, Head and Neck Evening Session. Los Angeles, CA "What's on Deck for Affable Head and Neck Pathologists?" 3/23/2022
- 97. Speaker, American Academy of Oral and Maxillofacial Pathology Annual Meeting Symposium, Charlotte, NC. "The Return of Newly Defined (And Recently Refined) Tumors in Head and Neck Pathology." 4/9/2022

98. Speaker, Assembly of Asia Pacific International Academy of Pathology, HKIAP, WHO Head and Neck Tumors update, 5/7/2022. Virtual.

Sinonasal and Nasopharynx

Salivary Glands

- 99. Speaker, "Newly defined and recently refined salivary gland tumors." Tufts Medical Center Pathology Grand Rounds. 6/10/2022. Virtual.
- 100. Speaker, Diagnostic Pathology Update: United States and Canadian Academy of Pathology. Reykjavik, Iceland. 7/12-15/2022.

It's a Trap!: Pitfalls in Diagnosing Squamous Dysplasia and Carcinoma

Not Just for Smokers Anymore: Updates on HPV-related Head and Neck Cancer

Nothing to Spit At: Newly Defined and Recently Refined Salivary Gland Tumors

The Wonderful Land of Schnoz: Updates in Sinonasal Tumor Pathology

Head (and Neck) Scratchers: Challenging ENT Pathology Cases

101. Speaker, The Indonesian Association of Pathologists Annual Meeting. Virtual. 9/4/2022.

Diagnostic Approach for Salivary Gland Tumors

Update on Sinonasal Tumor Pathology

102. Speaker, Intensive Course in Head and Neck Pathology. Agria, Greece. 9/18-20/2022

Newly defined and recently refined salivary gland tumors

Who NOSE what we'll find next? Emerging sinonasal tumors

- 103. Speaker, Congreso de la Federacion de Anatomia Patologia de la Republica Mexicana. Virtual. 10/27/2022 Update on WHO Classification of Salivary Gland Tumors Update on WHO Classification of Sinonasal Tumors
- 104. Speaker, Update on Emerging Sinonasal Tumors, Carrefour Pathologie 2022. Paris, France. 11/16/2022
- 105. Speaker, Newly defined and recently refined salivary gland tumors. Chinese American Pathologists Association. Virtual. 11/20/2022.
- 106. Speaker, Newly defined and recently refined salivary gland tumors. Texas Society of Pathologists Annual Meeting. Plano, TX. 1/28/2023.

## Poster Presentations (presenter)

- 1. Accurate classification of non-small cell lung carcinoma using a novel microRNA-based approach. USCAP annual meeting, Washington, D.C., Mod Pathol, 23(1s):398A. 3/22/2010
- 2. A role for HPV analysis in distinguishing second primary tumors from lung metastases in patients with head and neck squamous cell carcinoma." USCAP annual meeting, Washington, D.C., Mod Pathol, 23(1s):398A. 3/22/2010
- 3. High-risk HPV status in primary and metastatic carcinomas of the lung. USCAP Annual Meeting, San Antonio, TX, Mod Pathol, 24(1s):405A. 3/1/2011
- 4. Detection of melanin by the Fontana-Masson silver stain is not specific for Cryptococcus in tissue sections. USCAP annual meeting, San Antonio, TX, Mod Pathol, 24(1s):335A. 3/2/2011
- 5. NUT midline carcinoma of the sinonasal tract. USCAP annual meeting, Vancouver, BC. Mod Pathol. 25(2s):305A. 3/20/2012
- 6. p40 (ΔNp63) is superior to p63 for the diagnosis of pulmonary squamous cell carcinoma. USCAP annual meeting, Vancouver, BC. Mod Pathol. 25(2s):472A-473A. 3/20/2012
- 7. Utility of mammaglobin immunostaining in the diagnosis of mammary analogue secretory carcinoma. USCAP annual meeting, Baltimore, MD, Mod Pathol. 26(2s):304A. 3/5/2013
- 8. Comparison of p63 and p40 (ΔNp63) in the diagnosis of head and neck sarcomatoid carcinoma. USCAP annual meeting, Baltimore, MD, Mod Pathol. 26(2s):304A. 3/6/2013
- 9. Glandular odontogenic cysts consistently lack the *MAML2* rearrangements that are frequently found in central mucoepidermoid carcinomas. USCAP annual meeting, San Diego, CA, Mod Pathol. 27(2s):315-316A. 3/4/2014
- 10. A subset of prostatic basal cell carcinomas harbor the *MYB* rearrangements that characterize salivary gland adenoid cystic carcinoma. USCAP annual meeting, San Diego, CA, Mod Pathol. 27(2s):218A. 3/5/2014
- 11. *MYB* translocation status in classic and variant forms of salivary epithelial-myoepithelial carcinoma, Boston, MA, Mod Pathol. 28(2s): 320-321A. 3/23/2015

- 12. Primary Cutaneous Mammary Analogue Secretory Carcinoma: Series of 4 Cases Harboring *ETV6* Gene Rearrangements. USCAP annual meeting, Seattle, WA, Mod Pathol 29(2s):318-319A. 3/14/2016
- 13. Hyalinizing Clear Cell Carcinoma of the Oropharynx and Other Head and Neck Sites is a p16-Positive Tumor: A Potential Pitfall. USCAP annual meeting, San Antonio, TX, Mod Pathol 30(2s):\_\_. 3/7/2017

## **Oral Presentations (presenter)**

- 1. Comparative analysis of Napsin-A and TTF-1 expression in non-small cell lung carcinoma, and adenocarcinomas of the breast, pancreas and colon. USCAP annual meeting, Boston, MA; Mod Pathol, 22(1s):350A. 3/9/2009
- 2. Utility of PAX8 in the diagnosis of anaplastic thyroid carcinoma. USCAP Annual Meeting, San Antonio, TX, Mod Pathol, 24(1s):134A. 2/28/2011
- 3. Human papillomavirus-related carcinomas of the sinonasal tract. USCAP annual meeting, Vancouver, BC, Mod Pathol. 25(2s):305A. 3/19/2012
- 4. Most non-parotid "acinic cell carcinomas" represent mammary analogue secretory carcinomas. USCAP annual meeting, Baltimore, MD. Mod Pathol. 26(2s):304A. 3/4/2013
- 5. Mucoepidermoid carcinoma does not harbor transcriptionally active high risk human papillomavirus even in the absence of *MAML2* translocation. USCAP annual meeting, San Diego, CA, Mod Pathol. 27(2s):316A. 3/3/2014
- 6. Sinonasal HPV-related Carcinoma with Adenoid Cystic Carcinoma-Like Features: An Expanded Series of 40 Cases. USCAP annual meeting, San Antonio, TX, Mod Pathol 30(2s):\_\_. 3/6/2017
- 7. Microsecretory Adenocarcinoma: A Novel Salivary Gland Tumor Characterized By a Recurrent *MEF2C-SS18* Fusion. USCAP annual meeting, National Harbor, MD, Mod Pathol 32(2s):\_\_. 3/18/2019