



Hyunseok Kang

Professor of Medicine (Oncology)

Medicine - Oncology

CLINICAL OFFICE (PRIMARY)

- **Stanford Head and Neck**

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Bio

BIO

Hyunseok “Hyu” Kang, MD, MPH is a medical oncologist specializing in head and neck cancers, including squamous cell carcinoma, salivary gland cancers, thyroid cancers, and other rare tumors. He serves as Leader of the Head and Neck Cancer Research Program at the Stanford Cancer Institute and Leader of Head and Neck Medical Oncology. His research focuses on developing clinical trials with novel therapies, including immunotherapy, targeted agents, and antibody-drug conjugates, to improve outcomes for patients with rare and aggressive head and neck cancers.

CLINICAL FOCUS

- Medical Oncology
- Head and Neck Cancer
- Salivary Gland Cancer
- Thyroid Cancers

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Oncology
- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Leader, Head and Neck Medical Oncology, Stanford University, (2025- present)
- Leader, Head and Neck Cancer Clinical Research Group, Stanford Cancer Institute, (2025- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Protocol Committee/Corporate Liason Committee, International Thyroid Oncology Group (2023 - present)
- Member, Program Committee for Annual Meeting, American Society of Clinical Oncology (2025 - present)
- Member, Award Review Committee, Society for Immunotherapy of Cancer (2023 - present)
- Member, Clinical Affairs Committee, American Thyroid Association (2023 - present)
- Member, Editorial Board, Korean Journal of Head and Neck Oncology (2020 - present)

- Associate Editor, NEJM Clinician Journal Watch (2023 - present)
- Associate Editor, Cancer Medicine (2023 - present)
- Associate Editor, Head and Neck (2023 - present)
- Fellow, American College of Physicians (2015 - present)
- Member, American Society of Clinical Oncology (2010 - present)
- Member, American Association for Cancer Research (2012 - present)
- Member, Eastern Cooperative Oncology Group (2013 - present)
- Member, Society for Immunotherapy of Cancer (2015 - present)
- Member, NRG Oncology (2018 - present)
- Member, American Thyroid Association (2019 - present)
- Member, International Thyroid Oncology Group (2020 - present)
- Member, American Head and Neck Society (2023 - present)

PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2023)
- Board Certification: Medical Oncology, American Board of Internal Medicine (2013)
- Fellowship: Emory University Hematology and Medical Oncology Fellowship (2013) GA
- Residency: St Luke's Roosevelt Hospital Internal Medicine Residency (2010) NY
- Medical Education: Yonsei University College Of Medicine (2002) South Korea
- MPH, Yonsei University Graduate School of Public Health , Epidemiology & Statistics (2007)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

A primary focus of my research has been addressing unmet medical needs in rare malignancies, particularly salivary gland cancers. My research has also explored androgen deprivation and HER2-targeting therapies, expanding therapeutic options and clinical understanding in these challenging malignancies. I served as the Global Principal Investigator of a pivotal phase II study evaluating rivocecanib in recurrent or metastatic adenoid cystic carcinoma, resulting in critical findings published in *Clinical Cancer Research*. I have also served as a key investigator for other clinical trials in adenoid cystic carcinoma using various agents such as a PRMT5 inhibitor, a gamma secretase inhibitor, and a Myb mRNA degrader. I am involved in early drug development efforts with a targeted protein degrader and antibody drug conjugates for adenoid cystic carcinoma at this time, and interested in novel target discovery and preclinical model development.

Publications

PUBLICATIONS

- **Potent anti-tumor activity of the AXL-targeted antibody-drug conjugate, mipasetamab uzoptirine (ADCT-601), in preclinical models of adenoid cystic carcinoma.** *Molecular cancer therapeutics*
Humtsoe, J. O., Jones, L., Pothukuchi, A., Chen, K., Na'ara, S., Kang, H., Ha, P. K.
2026
- **Longitudinal and spatial heterogeneity of intra-tumoral TCR repertoires during immunotherapy in metastatic cancers**
Zoitou, A., Velculescu, S., Pereira, G., Balan, A., Najjar, M., Jamali, A., White, J. R., Karchin, R., Niknafs, N., Kang, H., Forde, P. M., Hann, C. L., Hooper, et al
AMER ASSOC CANCER RESEARCH.2026

- **Pituitary metastasis as the first sign of distant spread in mandibular squamous cell carcinoma** *JOURNAL OF SURGICAL CASE REPORTS*
Truong, A. A., Chan, J., Kang, H., Chen, J., Aghi, M., Loftus, P., Xu, M., Wai, K. C.
2026; 2026 (4): rjag315
- **Timely Matters: Predictors of Delay in Oral Cavity Cancer Patients Across the Care Continuum.** *Laryngoscope investigative otolaryngology*
Correia, N., Johnson, K., Durr, M., Grimes, B. A., Lazar, A. A., Sarkar, U., Ha, P. K., Chen, L., Wai, K. C., Likhterov, I., Yom, S. S., Chan, J. W., Algazi, et al
2026; 11 (2): e70363
- **Perineural Invasion and Survival in Pembrolizumab-Treated Head and Neck Squamous Cell Carcinoma.** *The Laryngoscope*
Truong, A. A., Ho, S., Lee, R. H., Wu, X., Kang, H., El-Sayed, I. H., George, J. R., Heaton, C. M., Likhterov, I., Xu, M. J., Ha, P. K., Algazi, A. P., Wai, et al
2026
- **Executive Summary of the 2025 American Thyroid Association Management Guidelines for Adult Patients with Differentiated Thyroid Cancer.** *Thyroid : official journal of the American Thyroid Association*
Praw, S. S., Gigliotti, B. J., Tessnow, A., Kang, H., Margulies, D. J.
2025
- **A Patient With Prior Skin Cancers and New Diagnosis of Bell Palsy.** *JAMA oncology*
Rahmani, R., Kang, H., Chan, J. W.
2025
- **Redifferentiation therapy in unresectable or metastatic radioactive iodine refractory thyroid cancer: an International Thyroid Oncology Group statement.** *The lancet. Diabetes & endocrinology*
Leboulleux, S., Boucai, L., Busaidy, N., Durante, C., Fagin, J. A., Fazeli, S., Gianoukakis, A. G., Haugen, B. R., Kang, H., Konda, B., Laetsch, T. W., Locati, L., Ryder, et al
2025; 13 (6): 516-527
- **A pilot study of PSMA-targeted F-18-DCFPyL PET imaging of patients with adenoid cystic carcinoma.** *Scientific reports*
Voter, A. F., Amindarolzarbi, A., Shen, C. J., Wang, J., Kang, H., Sharma, R., Solnes, L. B., Pomper, M. G., Bishop, J. A., Rowe, S. P., Kiess, A. P.
2025; 15 (1): 17104
- **Neutrophil-to-Lymphocyte Ratio and Pembrolizumab Outcomes in Oral Cavity Squamous Cell Carcinoma.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Truong, A. A., Lee, R. H., Wu, X., Algazi, A. P., Kang, H., El-Sayed, I. H., George, J. R., Heaton, C. M., Ryan, W. R., Jeon, Y., Kim, M. O., Ha, P. K., Wai, et al
2025; 172 (2): 548-555
- **CYLD Alterations Are Associated With Metastasis and Poor Prognosis in Human Papilloma Virus-Positive Head and Neck Cancer.** *Head & neck*
Cui, Z., Kang, H., Li, H., Lee, E. D., Lee, Y. S., Peterson, C. N., Long, S. R., Grandis, J. R., Johnson, D. E.
2025; 47 (2): 606-614
- **Immune-related encephalitis after immune checkpoint inhibitor therapy.** *The oncologist*
Buckley, M. W., Balaji Warner, A., Brahmer, J., Cappelli, L. C., Sharfman, W. H., Fuchs, E., Kang, H., Forde, P. M., Gladstone, D. E., Ambinder, R., Kelly, R. J., Lipson, E. J., Gojo, et al
2025; 30 (1)
- **Withdrawal pain following patients discontinuing Trk inhibitors.** *Journal of oncology pharmacy practice : official publication of the International Society of Oncology Pharmacy Practitioners*
Chin, A., Lindsay, S., Bergsland, E. K., Kang, H.
2025; 31 (1): 147-150
- **Comparative Uptake Patterns of Radioactive Iodine and [18F]-Fluorodeoxyglucose (FDG) in Metastatic Differentiated Thyroid Cancers.** *Journal of clinical medicine*
Diwanji, D., Carrodeguas, E., Seo, Y., Kang, H., Soe, M. H., Chiang, J. M., Zhang, L., Liu, C., Behr, S. C., Flavell, R. R.
2024; 13 (13)
- **Patient-reported outcomes with selpercatinib treatment in patients with RET-driven cancers in the phase I/II LIBRETTO-001 trial.** *ESMO open*

- Raez, L. E., Kang, H., Ohe, Y., Khanal, M., Han, Y., Szymczak, S., Barker, S. S., Gilligan, A. M.
2024; 9 (5): 103444
- **Treatment Modality Impact on Patient-Reported Quality of Life in Human Papilloma Virus-Associated Oropharyngeal Carcinoma.** *The Laryngoscope*
Plonowska-Hirschfeld, K. A., Gulati, A., Stephens, E. M., Ochoa, E., Xu, M. J., Ha, P. K., Heaton, C. M., Yom, S. S., Chan, J. W., Algazi, A., Kang, H., Ryan, W. R.
2024; 134 (4): 1687-1695
 - **PRT543, a protein arginine methyltransferase 5 inhibitor, in patients with advanced adenoid cystic carcinoma: An open-label, phase I dose-expansion study.** *Oral oncology*
Ferrarotto, R., Swiecicki, P. L., Zandberg, D. P., Baiocchi, R. A., Wesolowski, R., Rodriguez, C. P., McKean, M., Kang, H., Monga, V., Nath, R., Palmisiano, N., Babbar, N., Sun, et al
2024; 149: 106634
 - **Carboplatin and paclitaxel after anti-PD-1 or anti-PD-L1 antibody therapy in recurrent and/or metastatic squamous cell carcinoma of head and neck** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Humphries, A., Zhou, C. J., Welsh, M., Lem, M., Kang, H., Algazi, A. P.
2024; 46 (2): 321-327
 - **A Phase II Trial of Rivoceranib, an Oral Vascular Endothelial Growth Factor Receptor 2 Inhibitor, for Recurrent or Metastatic Adenoid Cystic Carcinoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Hanna, G. J., Ahn, M. J., Muzaffar, J., Keam, B., Bowles, D. W., Wong, D. J., Ho, A. L., Kim, S. B., Worden, F., Yun, T., Meng, X., Van Tornout, J. M., Conlan, et al
2023; 29 (22): 4555-4563
 - **The neutrophil-to-lymphocyte ratio in salivary gland cancers treated with pembrolizumab** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*
Lee, R. H., Truong, A., Wu, X., Kang, H., Algazi, A. P., El-Sayed, I. H., George, J. R., Heaton, C. M., Ryan, W. R., Ha, P. K., Wai, K. C.
2024; 46 (1): 129-137
 - **A prospective evaluation of neck and shoulder function following treatments of early-stage human papillomavirus-associated oropharynx cancer.** *Clinical otolaryngology : official journal of ENT-UK ; official journal of Netherlands Society for Oto-Rhino-Laryngology & Cervico-Facial Surgery*
Gulati, A., Plonowska-Hirschfeld, K., Stephens, E. M., Kansara, S., Zebolsky, A. L., Ochoa, E., Xu, M. J., Ha, P. K., Heaton, C. M., Yom, S. S., Chan, J. W., Algazi, A. P., Kang, et al
2023; 48 (5): 756-765
 - **Biomarkers predictive of response to pembrolizumab in head and neck cancer.** *Cancer medicine*
Pfister, D. G., Haddad, R. I., Worden, F. P., Weiss, J., Mehra, R., Chow, L. Q., Liu, S. V., Kang, H., Saba, N. F., Wirth, L. J., Sukari, A., Massarelli, E., Ayers, et al
2023; 12 (6): 6603-6614
 - **Phase II Study of Enzalutamide for Patients With Androgen Receptor-Positive Salivary Gland Cancers (Alliance A091404).** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Ho, A. L., Foster, N. R., Zoroufy, A. J., Campbell, J. D., Worden, F., Price, K., Adkins, D., Bowles, D. W., Kang, H., Burtness, B., Sherman, E., Morton, R., Morris, et al
2022; 40 (36): 4240-4249
 - **Approaches to the Management of Metastatic Adenoid Cystic Carcinoma.** *Cancers*
Lee, R. H., Wai, K. C., Chan, J. W., Ha, P. K., Kang, H.
2022; 14 (22)
 - **Tumour-agnostic efficacy and safety of selpercatinib in patients with RET fusion-positive solid tumours other than lung or thyroid tumours (LIBRETTO-001): a phase 1/2, open-label, basket trial.** *The Lancet. Oncology*
Subbiah, V., Wolf, J., Konda, B., Kang, H., Spira, A., Weiss, J., Takeda, M., Ohe, Y., Khan, S., Ohashi, K., Soldatenkova, V., Szymczak, S., Sullivan, et al
2022; 23 (10): 1261-1273
 - **Clinical Trial Development in TP53-Mutated Locally Advanced and Recurrent/Metastatic Head and Neck Squamous Cell Carcinoma.** *Journal of the National Cancer Institute*

- Rodriguez, C. P., Kang, H., Geiger, J. L., Burtness, B., Chung, C. H., Pickering, C. R., Fakhry, C., Le, Q. T., Yom, S. S., Galloway, T. J., Golemis, E., Li, A., Shoop, et al
2022
- **Non-Iodine-Avid Disease Is Highly Prevalent in Distant Metastatic Differentiated Thyroid Cancer With Papillary Histology.** *The Journal of clinical endocrinology and metabolism*
Soe, M. H., Chiang, J. M., Flavell, R. R., Khanafshar, E., Mendoza, L., Kang, H., Liu, C.
2022; 107 (8): e3206-e3216
 - **Real-World Experience of NTRK Fusion-Positive Thyroid Cancer.** *JCO precision oncology*
Park, J. C., Ashok, A., Liu, C., Kang, H.
2022; 6: e2100442
 - **Influence of tumor mutational burden, inflammatory gene expression profile, and PD-L1 expression on response to pembrolizumab in head and neck squamous cell carcinoma.** *Journal for immunotherapy of cancer*
Haddad, R. I., Seiwert, T. Y., Chow, L. Q., Gupta, S., Weiss, J., Gluck, I., Eder, J. P., Burtness, B., Tahara, M., Keam, B., Kang, H., Muro, K., Albright, et al
2022; 10 (2)
 - **Therapeutic implications of activating noncanonical PIK3CA mutations in head and neck squamous cell carcinoma.** *The Journal of clinical investigation*
Jin, N., Keam, B., Cho, J., Lee, M. J., Kim, H. R., Torosyan, H., Jura, N., Ng, P. K., Mills, G. B., Li, H., Zeng, Y., Barbash, Z., Tarcic, et al
2021; 131 (22)
 - **Effect of chemotherapy and radiotherapy on cognitive impairment in colorectal cancer: evidence from Korean National Health Insurance Database Cohort.** *Epidemiology and health*
Kim, K., Kim, C. W., Shin, A., Kang, H., Jung, S. J.
2021; 43: e2021093
 - **Treatment of Fanconi Anemia-Associated Head and Neck Cancer: Opportunities to Improve Outcomes.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Lee, R. H., Kang, H., Yom, S. S., Smogorzewska, A., Johnson, D. E., Grandis, J. R.
2021; 27 (19): 5168-5187
 - **Ovarian Failure Preceding Head and Neck Squamous Cell Carcinoma Identifies an Adult-Onset Cancer-Prone Syndrome Caused by FANCM Mutations.** *JCO precision oncology*
Vellanki, P. J., DeBoy, E. A., Bawadkji, M. M., Schuchter, L., Rooper, L., Mehra, R., Kang, H., Armanios, M.
2021; 5
 - **Molecular Markers that Matter in Salivary Malignancy.** *Otolaryngologic clinics of North America*
Wai, K. C., Kang, H., Ha, P. K.
2021; 54 (3): 613-627
 - **Newly Identified Members of FGFR1 Splice Variants Engage in Cross-talk with AXL/AKT Axis in Salivary Adenoid Cystic Carcinoma.** *Cancer research*
Humtsoe, J. O., Kim, H. S., Leonard, B., Ling, S., Keam, B., Marchionni, L., Afsari, B., Considine, M., Favorov, A. V., Fertig, E. J., Kang, H., Ha, P. K.
2021; 81 (4): 1001-1013
 - **CYLD Alterations in the Tumorigenesis and Progression of Human Papillomavirus-Associated Head and Neck Cancers.** *Molecular cancer research : MCR*
Cui, Z., Kang, H., Grandis, J. R., Johnson, D. E.
2021; 19 (1): 14-24
 - **The efficacy of anti-PD-1 immune checkpoint inhibitor in nasopharyngeal carcinoma.** *Oral oncology*
Park, J. C., Durbeck, J., Boudadi, K., Ho, W. J., Kang, H.
2020; 108: 104935
 - **Squamous cell carcinoma of head and neck: what internists should know.** *The Korean journal of internal medicine*
Jung, K., Narwal, M., Min, S. Y., Keam, B., Kang, H.
2020; 35 (5): 1031-1044

- **Efficacy of Selpercatinib in RET-Altered Thyroid Cancers.** *The New England journal of medicine*
Wirth, L. J., Sherman, E., Robinson, B., Solomon, B., Kang, H., Lorch, J., Worden, F., Brose, M., Patel, J., Leboulleux, S., Godbert, Y., Barlesi, F., Morris, et al
2020; 383 (9): 825-835
- **Immune checkpoint inhibitor in nasopharyngeal carcinoma: Multi-institution experience.**
Park, J., Wirth, L. J., Clark, J. R., Durbeck, J., Ho, W., Boudadi, K., Kang, H.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Targeted therapy for advanced salivary gland carcinoma based on molecular profiling: results from MyPathway, a phase IIa multiple basket study.** *Annals of oncology : official journal of the European Society for Medical Oncology*
Kurzrock, R., Bowles, D. W., Kang, H., Meric-Bernstam, F., Hainsworth, J., Spigel, D. R., Bose, R., Burris, H., Sweeney, C. J., Beattie, M. S., Blotner, S., Schulze, K., Cuchelkar, et al
2020; 31 (3): 412-421
- **Afatinib vs Placebo as Adjuvant Therapy After Chemoradiotherapy in Squamous Cell Carcinoma of the Head and Neck: A Randomized Clinical Trial** *JAMA ONCOLOGY*
Burtness, B., Haddad, R., Dinis, J., Trigo, J., Yokota, T., Viana, L., Romanov, I., Vermorken, J., Bourhis, J., Tahara, M., Martins Segalla, J., Psyrrri, A., Vasilevskaya, et al
2019; 5 (8): 1170-1180
- **PD-L1 expression and the tumor immune microenvironment in NUT carcinoma**
Rooper, L. M., London, N. R., Taube, J. M., Westra, W. H., Bishop, J. A., Kang, H.
AMER ASSOC CANCER RESEARCH.2019
- **Genomic Profiling of Parathyroid Carcinoma Reveals Genomic Alterations Suggesting Benefit from Therapy.** *The oncologist*
Kang, H., Pettinga, D., Schubert, A. D., Ladenson, P. W., Ball, D. W., Chung, J. H., Schrock, A. B., Madison, R., Frampton, G. M., Stephens, P. J., Ross, J. S., Miller, V. A., Ali, et al
2019; 24 (6): 791-797
- **Tumor-Associated Lymphoid Proliferation Creates an Immunomodulatory Environment that Facilitates Local Control in Acinic Cell Carcinoma**
Rooper, L., Allison, D., Hammon, R., Eisele, D., Kang, H.
NATURE PUBLISHING GROUP.2019
- **Tumor-Associated Lymphoid Proliferation Creates an Immunomodulatory Environment that Facilitates Local Control in Acinic Cell Carcinoma**
Rooper, L., Allison, D., Hammon, R., Eisele, D., Kang, H.
NATURE PUBLISHING GROUP.2019
- **More on Mu-Opioid Receptor Antagonists in PD-1 Blockade-Induced Pruritus** *REPLY NEW ENGLAND JOURNAL OF MEDICINE*
Kwatra, S. G., Staender, S., Kang, H.
2019; 380 (6): 601-602
- **More on Mu-Opioid Receptor Antagonists in PD-1 Blockade-Induced Pruritus.** *The New England journal of medicine*
Kwatra, S. G., Ständer, S., Kang, H.
2019; 380 (6): 602
- **Clinical Benefit to an Aurora A Kinase Inhibitor in a Patient with Metastatic Integrase Interactor 1-Deficient Carcinoma.** *The oncologist*
Karantanos, T., Rooper, L., Kang, Y., Lin, C. T., Wenga, P., Sagorsky, S., Lauring, J., Kang, H.
2019; 24 (2): 146-150
- **Exceptional responses to pertuzumab, trastuzumab, and docetaxel in human epidermal growth factor receptor-2 high expressing salivary duct carcinomas.** *Head & neck*
Park, J. C., Ma, T. M., Rooper, L., Hembrough, T., Foss, R. D., Schmitt, N. C., Sawhney, R., Flanders, A., Kang, H.
2018; 40 (12): E100-E106
- **Pattern of planned systemic therapy usage in newly diagnosed, nonmetastatic squamous cell carcinoma of the head and neck in a commercially insured population in the United States.** *Head & neck*
Park, J. C., Gourin, C. G., Kiess, A. P., Mehra, R., Forastiere, A. A., Kang, H.
2018; 40 (12): 2612-2620

- **PD-1 Blockade-Induced Pruritus Treated with a Mu-Opioid Receptor Antagonist.** *The New England journal of medicine*
Kwatra, S. G., Ständer, S., Kang, H.
2018; 379 (16): 1578-1579
- **Quality indicators of oropharyngeal cancer care in the elderly.** *The Laryngoscope*
Gourin, C. G., Herbert, R. J., Fakhry, C., Quon, H., Kang, H., Kiess, A. P., Koch, W. M., Eisele, D. W., Frick, K. D.
2018; 128 (10): 2312-2319
- **Detection of AR-V7 transcript with RNA in situ hybridization in human salivary duct cancer.** *Oral oncology*
Kang, H., Antonarakis, E. S., Luo, J., Zheng, Q., Rooper, L., De Marzo, A. M., Westra, W. H., Lotan, T. L.
2018; 84: 134-136
- **Short- and long-term outcomes of oropharyngeal cancer care in the elderly.** *The Laryngoscope*
Motz, K., Herbert, R. J., Fakhry, C., Quon, H., Kang, H., Kiess, A. P., Eisele, D. W., Koch, W. M., Frick, K. D., Gourin, C. G.
2018; 128 (9): 2084-2093
- **Association between pretreatment lymphocyte count and response to PD1 inhibitors in head and neck squamous cell carcinomas.** *Journal for immunotherapy of cancer*
Ho, W. J., Yarchoan, M., Hopkins, A., Mehra, R., Grossman, S., Kang, H.
2018; 6 (1): 84
- **Androgen deprivation therapy is associated with decreased second primary lung cancer risk in the United States veterans with prostate cancer.** *Epidemiology and health*
Jung, K., Park, J. C., Kang, H., Brandes, J. C.
2018; 40: e2018040
- **Salivary Secretory Carcinoma With a Novel ETV6-MET Fusion: Expanding the Molecular Spectrum of a Recently Described Entity.** *The American journal of surgical pathology*
Rooper, L. M., Karantanos, T., Ning, Y., Bishop, J. A., Gordon, S. W., Kang, H.
2018; 42 (8): 1121-1126
- **Biomarkers predictive of response to pembrolizumab in head and neck cancer (HNSCC)**
Seiwert, T. Y., Haddad, R., Bauml, J., Weiss, J., Pfister, D. G., Gupta, S., Mehra, R., Gluck, I., Kang, H., Worden, F., Eder, J., Tahara, M., Burtness, et al
AMER ASSOC CANCER RESEARCH.2018
- **Efficacy and safety of pembrolizumab in recurrent/metastatic head and neck squamous cell carcinoma: pooled analyses after long-term follow-up in KEYNOTE-012.** *British journal of cancer*
Mehra, R., Seiwert, T. Y., Gupta, S., Weiss, J., Gluck, I., Eder, J. P., Burtness, B., Tahara, M., Keam, B., Kang, H., Muro, K., Geva, R., Chung, et al
2018; 119 (2): 153-159
- **Potential drug targets for adenoid cystic carcinoma elucidated by proteogenomic analysis**
Thyparambil, S. P., Kim, Y., Chambers, A. G., Yan, D., Sellappan, S., Sedgewick, A. J., Newton, Y., Sanborn, J., Vaske, C. J., Benz, S. C., Cecchi, F., Kang, H., Hembrough, et al
AMER ASSOC CANCER RESEARCH.2018
- **Targeting phosphoinositide 3-kinase (PI3K) in head and neck squamous cell carcinoma (HNSCC).** *Cancers of the head & neck*
Jung, K., Kang, H., Mehra, R.
2018; 3: 3
- **Response to R-CHOP in HPV-related squamous cell carcinoma of base of tongue: a case report.** *Cancers of the head & neck*
Ma, T. M., Kang, H., Rowe, S. P., Kiess, A. P.
2018; 3: 2
- **Comprehensive proteomic and genomic profiling to identify therapeutic targets in adenoid cystic carcinoma.**
Thyparambil, S. P., Kim, Y., Chambers, A., Yan, D., Sellappan, S., Gong, C., Sedgewick, A., Newton, Y., Sanborn, J., Vaske, C., Benz, S., Cecchi, F., Kang, et al
AMER SOC CLINICAL ONCOLOGY.2018
- **A robust response to combination immune checkpoint inhibitor therapy in HPV-related small cell cancer: a case report.** *Journal for immunotherapy of cancer*

- Ho, W. J., Rooper, L., Sagorsky, S., Kang, H.
2018; 6 (1): 33
- **Treatment, survival, and costs of oropharyngeal cancer care in the elderly.** *The Laryngoscope*
Gourin, C. G., Fakhry, C., Quon, H., Kang, H., Kiess, A. P., Herbert, R. J., Eisele, D. W., Frick, K. D.
2018; 128 (5): 1103-1112
 - **Treatment, short-term outcomes, and costs associated with larynx cancer care in commercially insured patients.** *The Laryngoscope*
Day, A. T., Chang, H. Y., Quon, H., Kang, H., Kiess, A. P., Eisele, D. W., Frick, K. D., Gourin, C. G.
2018; 128 (1): 91-101
 - **High-resolution microbiome profiling uncovers *Fusobacterium nucleatum*, *Lactobacillus gasseri/johnsonii*, and *Lactobacillus vaginalis* associated to oral and oropharyngeal cancer in saliva from HPV positive and HPV negative patients treated with surgery and chemo-radiation.** *Oncotarget*
Guerrero-Preston, R., White, J. R., Godoy-Vitorino, F., Rodríguez-Hilario, A., Navarro, K., González, H., Michailidi, C., Jedlicka, A., Canapp, S., Bondy, J., Dziedzic, A., Mora-Lagos, B., Rivera-Alvarez, et al
2017; 8 (67): 110931-110948
 - **Quality indicators of laryngeal cancer care in commercially insured patients.** *The Laryngoscope*
Britt, C. J., Chang, H. Y., Quon, H., Kang, H., Kiess, A. P., Eisele, D. W., Frick, K. D., Gourin, C. G.
2017; 127 (12): 2805-2812
 - **Salivary duct carcinoma: An aggressive salivary gland malignancy with opportunities for targeted therapy.** *Oral oncology*
Schmitt, N. C., Kang, H., Sharma, A.
2017; 74: 40-48
 - **SMAD4 Loss Is Associated with Cetuximab Resistance and Induction of MAPK/JNK Activation in Head and Neck Cancer Cells** *CLINICAL CANCER RESEARCH*
Ozawa, H., Ranaweera, R. S., Izumchenko, E., Makarev, E., Zhavoronkov, A., Fertig, E. J., Howard, J. D., Markovic, A., Bedi, A., Ravi, R., Perez, J., Quynh-Thu Le, Kong, C. S., et al
2017; 23 (17): 5162-75
 - **The role of human papillomavirus on the prognosis and treatment of oropharyngeal carcinoma.** *Cancer metastasis reviews*
Fung, N., Faraji, F., Kang, H., Fakhry, C.
2017; 36 (3): 449-461
 - **Personalized Medicine in the Oncology Clinic: Implementation and Outcomes of the Johns Hopkins Molecular Tumor Board.** *JCO precision oncology*
Dalton, W. B., Forde, P. M., Kang, H., Connolly, R. M., Stearns, V., Gocke, C. D., Eshleman, J. R., Axilbund, J., Petry, D., Geoghegan, C., Wolff, A. C., Loeb, D. M., Pratilas, et al
2017; 2017
 - **An open-label, multicohort, phase I/II study to evaluate nivolumab in patients with virus-associated tumors (CheckMate 358): Efficacy and safety in recurrent or metastatic (R/M) nasopharyngeal carcinoma (NPC).**
Delord, J., Hollebecque, A., De Boer, J. P., De Greve, J., Machiels, J. H., Leidner, R. S., Ferris, R. L., Rao, S., Soumaoro, I., Cao, Z., Kang, H., Topalian, S.
AMER SOC CLINICAL ONCOLOGY.2017
 - **Comprehensive genomic profiling of parathyroid carcinoma.**
Kang, H., Schubert, A., Ladenson, P., Ball, D., Chung, J., Schrock, A., Ross, J. S., Miller, V. A., Stephens, P. J., Ali, S.
AMER SOC CLINICAL ONCOLOGY.2017
 - **Evaluation of proposed staging systems for human papillomavirus-related oropharyngeal squamous cell carcinoma.** *Cancer*
Malm, I. J., Fan, C. J., Yin, L. X., Li, D. X., Koch, W. M., Gourin, C. G., Pitman, K. T., Richmon, J. D., Westra, W. H., Kang, H., Quon, H., Eisele, D. W., Fakhry, et al
2017; 123 (10): 1768-1777
 - **Pembrolizumab for Platinum- and Cetuximab-Refractory Head and Neck Cancer: Results From a Single-Arm, Phase II Study.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Bauml, J., Seiwert, T. Y., Pfister, D. G., Worden, F., Liu, S. V., Gilbert, J., Saba, N. F., Weiss, J., Wirth, L., Sukari, A., Kang, H., Gibson, M. K., Massarelli, et al

2017; 35 (14): 1542-1549

- **Evolution of Neoantigen Landscape during Immune Checkpoint Blockade in Non-Small Cell Lung Cancer.** *Cancer discovery*
Anagnostou, V., Smith, K. N., Forde, P. M., Niknafs, N., Bhattacharya, R., White, J., Zhang, T., Adleff, V., Phallen, J., Wali, N., Hruban, C., Guthrie, V. B., Rodgers, et al
2017; 7 (3): 264-276
- **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 oncology*
D'Souza, G., Westra, W. H., Wang, S. J., van Zante, A., Wentz, A., Kluz, N., Rettig, E., Ryan, W. R., Ha, P. K., Kang, H., Bishop, J., Quon, H., Kiess, et al
2017; 3 (2): 169-177
- **Whole-Exome Sequencing of Salivary Gland Mucoepidermoid Carcinoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Kang, H., Tan, M., Bishop, J. A., Jones, S., Sausen, M., Ha, P. K., Agrawal, N.
2017; 23 (1): 283-288
- **Antitumor Activity of Pembrolizumab in Biomarker-Unselected Patients With Recurrent and/or Metastatic Head and Neck Squamous Cell Carcinoma: Results From the Phase Ib KEYNOTE-012 Expansion Cohort.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Chow, L. Q., Haddad, R., Gupta, S., Mahipal, A., Mehra, R., Tahara, M., Berger, R., Eder, J. P., Burtness, B., Lee, S. H., Keam, B., Kang, H., Muro, et al
2016; 34 (32): 3838-3845
- **Pembrolizumab in Patients With Advanced Triple-Negative Breast Cancer: Phase Ib KEYNOTE-012 Study** *JOURNAL OF CLINICAL ONCOLOGY*
Nanda, R., Chow, L. Q. M., Dees, E., Berger, R., Gupta, S., Geva, R., Puzstai, L., Pathiraja, K., Aktan, G., Cheng, J. D., Karantza, V., Buisseret, L.
2016; 34 (21): 2460-+
- **Preliminary results from KEYNOTE-055: Pembrolizumab after platinum and cetuximab failure in head and neck squamous cell carcinoma (HNSCC).**
Bauml, J., Seiwert, T. Y., Pfister, D. G., Worden, F. P., Liu, S. V., Gilbert, J., Saba, N. F., Weiss, J., Wirth, L. J., Sukari, A., Kang, H., Gibson, M. K., Massarelli, et al
AMER SOC CLINICAL ONCOLOGY.2016
- **Analysis of chemotherapy selection for locally advanced squamous cell carcinoma of head and neck (SCCHN) in a commercially insured population in the United States.**
Kang, H., Gourin, C., Kiess, A., Forastiere, A. A.
AMER SOC CLINICAL ONCOLOGY.2016
- **FDG PET/CT in Patients With Head and Neck Squamous Cell Carcinoma After Primary Surgical Resection With or Without Chemoradiation Therapy.** *AJR. American journal of roentgenology*
Taghipour, M., Sheikhabaei, S., Wray, R., Agrawal, N., Richmon, J., Kang, H., Subramaniam, R. M.
2016; 206 (5): 1093-100
- **A phase I study afatinib/carboplatin/paclitaxel induction chemotherapy followed by standard chemoradiation in HPV-negative or high-risk HPV-positive locally advanced stage III/IVa/IVb head and neck squamous cell carcinoma.** *Oral oncology*
Chung, C. H., Rudek, M. A., Kang, H., Marur, S., John, P., Tsottles, N., Bonerigo, S., Veasey, A., Kiess, A., Quon, H., Cmelak, A., Murphy, B. A., Gilbert, et al
2016; 53: 54-9
- **Intratherapy or Posttherapy FDG PET or FDG PET/CT for Patients With Head and Neck Cancer: A Systematic Review and Meta-analysis of Prognostic Studies.** *AJR. American journal of roentgenology*
Sheikhabaei, S., Ahn, S. J., Moriarty, E., Kang, H., Fakhry, C., Subramaniam, R. M.
2015; 205 (5): 1102-13
- **FDG PET/CT for Management and Assessing Outcomes of Squamous Cell Cancer of the Oral Cavity.** *AJR. American journal of roentgenology*
Pasha, M. A., Marcus, C., Fakhry, C., Kang, H., Kiess, A. P., Subramaniam, R. M.
2015; 205 (2): W150-61

- **Detection of somatic mutations and HPV in the saliva and plasma of patients with head and neck squamous cell carcinomas.** *Science translational medicine*
Wang, Y., Springer, S., Mulvey, C. L., Silliman, N., Schaefer, J., Sausen, M., James, N., Rettig, E. M., Guo, T., Pickering, C. R., Bishop, J. A., Chung, C. H., Califano, et al
2015; 7 (293): 293ra104
- **Genomic alterations in head and neck squamous cell carcinoma determined by cancer gene-targeted sequencing.** *Annals of oncology : official journal of the European Society for Medical Oncology*
Chung, C. H., Guthrie, V. B., Masica, D. L., Tokheim, C., Kang, H., Richmon, J., Agrawal, N., Fakhry, C., Quon, H., Subramaniam, R. M., Zuo, Z., Seiwert, T., Chalmers, et al
2015; 26 (6): 1216-1223
- **Emerging biomarkers in head and neck cancer in the era of genomics.** *Nature reviews. Clinical oncology*
Kang, H., Kiess, A., Chung, C. H.
2015; 12 (1): 11-26
- **A 3'-UTR KRAS-variant is associated with cisplatin resistance in patients with recurrent and/or metastatic head and neck squamous cell carcinoma.** *Annals of oncology : official journal of the European Society for Medical Oncology*
Chung, C. H., Lee, J. W., Slebos, R. J., Howard, J. D., Perez, J., Kang, H., Fertig, E. J., Considine, M., Gilbert, J., Murphy, B. A., Nallur, S., Paranjape, T., Jordan, et al
2014; 25 (11): 2230-2236
- **Head and neck PET/CT: therapy response interpretation criteria (Hopkins Criteria)-interreader reliability, accuracy, and survival outcomes.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Marcus, C., Ciarallo, A., Tahari, A. K., Mena, E., Koch, W., Wahl, R. L., Kiess, A. P., Kang, H., Subramaniam, R. M.
2014; 55 (9): 1411-6
- **FDG PET/CT in the management of nasopharyngeal carcinoma.** *AJR. American journal of roentgenology*
Mohandas, A., Marcus, C., Kang, H., Truong, M. T., Subramaniam, R. M.
2014; 203 (2): W146-57
- **Antitumor effect of IMG289, an anti-EGFR antibody-drug conjugate (ADC), in preclinical models of head and neck squamous cell carcinomas (HNSCC)**
Kang, H., Thakar, M., Sen, R., Chung, C. H.
LIPPINCOTT WILLIAMS & WILKINS.2014
- **Long-term use of valproic acid in US veterans is associated with a reduced risk of smoking-related cases of head and neck cancer.** *Cancer*
Kang, H., Gillespie, T. W., Goodman, M., Brodie, S. A., Brandes, M., Ribeiro, M., Ramalingam, S. S., Shin, D. M., Khuri, F. R., Brandes, J. C.
2014; 120 (9): 1394-400
- **Class I HDACs are mediators of smoke carcinogen-induced stabilization of DNMT1 and serve as promising targets for chemoprevention of lung cancer.** *Cancer prevention research (Philadelphia, Pa.)*
Brodie, S. A., Li, G., El-Kommos, A., Kang, H., Ramalingam, S. S., Behera, M., Gandhi, K., Kowalski, J., Sica, G. L., Khuri, F. R., Vertino, P. M., Brandes, J. C.
2014; 7 (3): 351-61
- **Folate receptor targeted iron oxide nanoparticles loaded with cisplatin for imaging and therapy in head and neck squamous cell carcinoma (HNSCC)**
Kang, H., Huang, J., Peng, X., Chen, Z., Mao, H., Shin, D. M.
AMER ASSOC CANCER RESEARCH.2013
- **Androgen deprivation therapy and second primary lung cancer risk in prostate cancer patients in the US Veterans.**
Kang, H., Pillai, R. N., Brandes, J. C.
AMER ASSOC CANCER RESEARCH.2013
- **Efficacy and safety of dual calcium channel blockade for the treatment of hypertension: a meta-analysis.** *American journal of hypertension*
Alviar, C. L., Devarapally, S., Nadkarni, G. N., Romero, J., Benjo, A. M., Javed, F., Doherty, B., Kang, H., Bangalore, S., Messerli, F. H.
2013; 26 (2): 287-97
- **Differential impacts of insulin-like growth factor-binding protein-3 (IGFBP-3) in epithelial IGF-induced lung cancer development.** *Endocrinology*

Kim, W. Y., Kim, M. J., Moon, H., Yuan, P., Kim, J. S., Woo, J. K., Zhang, G., Suh, Y. A., Feng, L., Behrens, C., Van Pelt, C. S., Kang, H., Lee, et al
2011; 152 (6): 2164-73

- **Chemotherapy in the treatment of metastatic gastric cancer: is there a global standard?** *Current treatment options in oncology*
Kang, H., Kauh, J. S.
2011; 12 (1): 96-106
- **Green tea consumption and stomach cancer risk: a meta-analysis.** *Epidemiology and health*
Kang, H., Rha, S. Y., Oh, K. W., Nam, C. M.
2010; 32: e2010001
- **Systolic blood pressure and outcomes in patients hospitalized with acute heart failure** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Kim, D., Kang, H.
2007; 297 (8): 807-808
- **Granulocyte colony-stimulating factor and acute myocardial infarction** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
Oh, J., Kim, D., Kang, H.
2006; 296 (16): 1968
- **[The determinants of adolescent smoking by gender and type of school in Korea].** *Journal of preventive medicine and public health = Yebang Uihakhoe chi*
Kim, H., Kim, E. K., Choi, E. S., Kim, Y. J., Lee, H. J., Kim, J. J., Jang, H. S., Shim, K. S., Jeon, S. N., Kang, Y. H., Kang, H., Oh, J., Cho, et al
2006; 39 (5): 379-88
- **[The determinants of adolescent smoking by gender and type of school in Korea].** *Journal of preventive medicine and public health = Yebang Uihakhoe chi*
Kim, H., Kim, E., Choi, E., Kim, Y., Lee, H., Kim, J., Jang, H., Shim, K., Jeon, S., Kang, Y., Kang, H., Oh, J., Cho, et al
2006; 39 (5): 379-88
- **Autologous bone-marrow stem cells for myocardial infarction** *LANCET*
Oh, J., Kang, H., Chung, J., Jang, Y.
2006; 368 (9529): 27
- **EGF receptor and p21WAF1 expression are reciprocally altered as ME-180 cervical carcinoma cells progress from high to low cisplatin sensitivity.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Donato, N. J., Perez, M., Kang, H., Siddik, Z. H., Ling, Y. H., Perez-Soler, R.
2000; 6 (1): 193-202
- **EGF receptor and p21WAF1 expression are reciprocally altered as ME-180 cervical carcinoma cells progress from high to low cisplatin sensitivity** *CLINICAL CANCER RESEARCH*
Donato, N. J., Perez, M., Kang, H., Siddik, Z. H., Ling, Y. H., Perez-Soler, R.
2000; 6 (1): 193-202