



## Beth Beadle

Professor of Radiation Oncology (Radiation Therapy)

Radiation Oncology - Radiation Therapy

### CLINICAL OFFICES

- **Radiation Therapy**

875 Blake Wilbur Dr Clinic D

MC 5847

Stanford, CA 94305

**Tel** (650) 723-6197

**Fax** (650) 725-8231

### Bio

---

### CLINICAL FOCUS

- Radiation Oncology

### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiation Oncology - Radiation Therapy
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

### ADMINISTRATIVE APPOINTMENTS

- Director of Radiation Oncology Clinical Research, Stanford University, (2017-2020)
- Director of Head and Neck Radiation Oncology, Stanford University, (2017- present)

### HONORS AND AWARDS

- Sarah Donaldson Mentorship Award, Department of Radiation Oncology - Stanford University (2021)
- Henry Kaplan Memorial Teaching Award, Department of Radiation Oncology - Stanford University (2019)
- ARRO 2017-2018 Educator of the Year, Association of Residents in Radiation Oncology (ARRO) - Stanford University (2018)
- International Journal of Radiation Oncology, Biology, and Physics Outstanding Reviewer, International Journal of Radiation Oncology, Biology, and Physics (2013, 2018, 2019)
- AAWR Research and Education Foundation Professional Leadership Award, American Association for Women Radiologists (AAWR) (2012)
- HICARE Travel Grant and Ambassadorship, Hiroshima International Council for Health Care of the Radiation-Exposed (HICARE) (2012)
- AAWR Eleanor Montague Distinguished Resident Award for Radiation Oncology, American Association for Women Radiologists (AAWR) (2008)
- AAWR Member-In-Training Outstanding ASTRO Presentation Award, American Association for Women Radiologists (AAWR) (2008)
- ASTRO Translational Advances in Radiation Oncology and Cancer Imaging Symposium Travel Grant, American Society for Radiation Oncology (ASTRO) (2008)

- American Radium Society Young Oncologist Essay Award, American Radium Society (2008)
- RSNA Roentgen Resident/Fellow Research Award, Radiological Society of North America (RSNA) (2008)
- University of Texas MD Anderson Department of Radiation Oncology Eleanor Montague Research Award, University of Texas MD Anderson Cancer Center (2008)
- ASTRO Residents/Fellows in Radiation Oncology Research Seed Grant, American Society for Radiation Oncology (ASTRO) (2007)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Previously Untreated Locally Advanced (PULA) Head and Neck Steering Committee Task Force Member, National Cancer Institute (NCI) (2016 - 2022)
- Membership and Credentials Committee Member, American Radium Society (ARS) (2016 - 2021)
- Vice Chair of the Annual Meeting Education Committee, American Society for Radiation Oncology (ASTRO) (2021 - present)
- Chair of the Head and Neck Cancer Science Track, American Society for Radiation Oncology (ASTRO) (2018 - 2020)
- Chair of the Head and Neck Education Track, American Society for Radiation Oncology (ASTRO) (2018 - 2021)
- Secretary, American Radium Society (2018 - 2021)
- Vice-Chair of the Head and Neck Cancer Science Track, American Society for Radiation Oncology (ASTRO) (2014 - 2017)
- Scientific Program Chair of the 2018 Annual Meeting, American Radium Society (ARS) (2017 - 2017)
- Expert Panel on Osteonecrosis of the Jaw Member, American Society of Clinical Oncology (ASCO) (2016 - present)
- Payment Reform Working Group Member, American Society for Radiation Oncology (ASTRO) (2014 - present)
- Member-at-Large of the Executive Committee, American Radium Society (ARS) (2014 - 2016)
- Radiation and Cancer Biology Teaching and Curriculum Committee Member, American Society for Radiation Oncology (ASTRO) (2012 - 2016)

## **PROFESSIONAL EDUCATION**

- Internship: Northwestern University (2005) IL
- BA, Northwestern University College of Arts and Sciences , Chemistry (1996)
- PhD, Northwestern University Graduate School , Biophysics and Structural Biology (2002)
- MD, Northwestern University Feinberg School of Medicine (2004)
- Internship, McGaw Medical Center of Northwestern University , Surgery (2005)
- Residency, University of Texas MD Anderson Cancer Center , Radiation Oncology (2009)
- Board Certification, American Board of Radiology (ABR) , Radiation Oncology (2011)

## **COMMUNITY AND INTERNATIONAL WORK**

- The Radiation Planning Assistant (RPA) for Radiation Therapy in Low and Middle-Income Countries

## **LINKS**

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## **Research & Scholarship**

---

### **CLINICAL TRIALS**

- Comparing High-Dose Cisplatin Every Three Weeks to Low-Dose Cisplatin Weekly When Combined With Radiation for Patients With Advanced Head and Neck Cancer, Recruiting
- De-intensified Radiation Therapy With Chemotherapy (Cisplatin) or Immunotherapy (Nivolumab) in Treating Patients With Early-Stage, HPV-Positive, Non-Smoking Associated Oropharyngeal Cancer, Recruiting
- Radiation Therapy With Durvalumab or Cetuximab in Treating Patients With Locoregionally Advanced Head and Neck Cancer Who Cannot Take Cisplatin, Not Recruiting

## Publications

### PUBLICATIONS

- **Performance Analysis of a Radiation Oncology Educational Podcast.** *Journal of the American College of Radiology : JACR*  
Wu, T. C., No, H. J., Rahimy, E., Kishan, A. U., Steinberg, M. L., Raldow, A. C., Beadle, B. M.  
2023
- **Addressing the Global Expertise Gap in Radiation Oncology: The Radiation Planning Assistant.** *JCO global oncology*  
Court, L., Aggarwal, A., Burger, H., Cardenas, C., Chung, C., Douglas, R., du Toit, M., Jaffray, D., Jhingran, A., Mejia, M., Mumme, R., Muya, S., Naidoo, et al  
2023; 9: e2200431
- **The Potential of Adaptive Radiotherapy For Patients With Head and Neck Cancer-Too Much or Not Enough?** *JAMA oncology*  
Beadle, B. M., Chan, A. W.  
2023
- **Barriers and Facilitators of Implementing Automated Radiotherapy Planning: A Multisite Survey of Low- and Middle-Income Country Radiation Oncology Providers.** *JCO global oncology*  
McGinnis, G. J., Ning, M. S., Beadle, B. M., Joubert, N., Shaw, W., Trauernich, C., Simonds, H., Grover, S., Cardenas, C. E., Court, L. E., Smith, G. L.  
2022; 8: e2100431
- **Clinical Acceptability of Automated Radiation Treatment Planning for Head and Neck Cancer Using the Radiation Planning Assistant.** *Practical radiation oncology*  
Olanrewaju, A., Court, L. E., Zhang, L., Naidoo, K., Burger, H., Dalvie, S., Wetter, J., Parkes, J., Trauernicht, C. J., McCarroll, R. E., Cardenas, C., Peterson, C. B., Benson, et al  
2021
- **Postoperative Observation Versus Radiotherapy for Pathologic N1 Oral Cavity Squamous Cell Carcinoma.** *American journal of clinical oncology*  
Xiang, M. n., Holsinger, F. C., Gensheimer, M. F., Divi, V. n., Pollom, E. L., Colevas, A. D., Le, Q. T., Beadle, B. M.  
2021; Publish Ahead of Print
- **Generating High-Quality Lymph Node Clinical Target Volumes for Head and Neck Cancer Radiotherapy Using a Fully Automated Deep Learning-Based Approach.** *International journal of radiation oncology, biology, physics*  
Cardenas, C. E., Beadle, B. M., Garden, A. S., Skinner, H. D., Yang, J., Rhee, D. J., McCarroll, R. E., Netherton, T. J., Gay, S. S., Zhang, L., Court, L. E.  
2020
- **Treatment Breaks During Definitive Head/Neck Radiotherapy: Survival Impact and Predisposing Factors**  
Xiang, M., Gensheimer, M., Pollom, E., Holsinger, F., Colevas, A., Quynh-Thu Le, Beadle, B.  
ELSEVIER SCIENCE INC.2020: E39
- **Automatic verification of beam apertures for cervical cancer radiotherapy.** *Practical radiation oncology*  
Kisling, K., Cardenas, C., Anderson, B. M., Zhang, J., Jhingran, A., Simonds, H., Balter, P., Howell, R. M., Schmeler, K., Beadle, B. M., Court, L.  
2020
- **The Emergence of Artificial Intelligence within Radiation Oncology Treatment Planning.** *Oncology*  
Netherton, T. J., Cardenas, C. E., Rhee, D. J., Court, L. E., Beadle, B. M.  
2020: 1–11
- **Prolongation of definitive head and neck cancer radiotherapy: Survival impact and predisposing factors.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Xiang, M. n., Gensheimer, M. F., Pollom, E. L., Holsinger, F. C., Colevas, A. D., Le, Q. T., Beadle, B. M.  
2020
- **Medication-Related Osteonecrosis of the Jaw: MASCC/ISOO/ASCO Clinical Practice Guideline.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Yarom, N., Shapiro, C. L., Peterson, D. E., Van Poznak, C. H., Bohlke, K., Ruggiero, S. L., Migliorati, C. A., Khan, A., Morrison, A., Anderson, H., Murphy, B. A., Alston-Johnson, D., Mendes, et al  
2019: JCO1901186
- **Integrating Tumor and Nodal Imaging Characteristics at Baseline and Mid-Treatment Computed Tomography Scans to Predict Distant Metastasis in Oropharyngeal Cancer Treated With Concurrent Chemoradiotherapy** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*

- Wu, J., Gensheimer, M. F., Zhang, N., Han, F., Liang, R., Qian, Y., Zhang, C., Fischbein, N., Pollom, E. L., Beadle, B., Quynh-Thu Le, Li, R.  
2019; 104 (4): 942–52
- **Automated treatment planning of postmastectomy radiotherapy** *MEDICAL PHYSICS*  
Kisling, K., Zhang, L., Shaitelman, S. F., Anderson, D., Thebe, T., Yang, J., Balter, P. A., Howell, R. M., Jhingran, A., Schmeler, K., Simonds, H., du Toit, M., Trauernicht, et al  
2019
  - **A risk assessment of automated treatment planning and recommendations for clinical deployment** *MEDICAL PHYSICS*  
Kisling, K., Johnson, J. L., Simonds, H., Zhang, L., Jhingran, A., Beadle, B. M., Burger, H., du Toit, M., Joubert, N., Makufa, R., Shaw, W., Trauernicht, C., Balter, et al  
2019; 46 (6): 2567–74
  - **Automated treatment planning of postmastectomy radiotherapy.** *Medical physics*  
Kisling, K. n., Zhang, L. n., Yang, J. n., Balter, P. A., Howell, R. M., Court, L. n., Shaitelman, S. F., Jhingran, A. n., Anderson, D. n., Thebe, T. n., Schmeler, K. n., Simonds, H. n., du Toit, et al  
2019
  - **Survival After Definitive Chemoradiotherapy With Concurrent Cisplatin or Carboplatin for Head and Neck Cancer.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Xiang, M. n., Colevas, A. D., Holsinger, F. C., Le, Q. X., Beadle, B. M.  
2019; 17 (9): 1065–73
  - **Survival of patients with head and neck cancer treated with definitive radiotherapy and concurrent cisplatin or concurrent cetuximab: A Surveillance, Epidemiology, and End Results-Medicare analysis.** *Cancer*  
Xiang, M., Holsinger, F. C., Colevas, A. D., Chen, M. M., Le, Q., Beadle, B. M.  
2018
  - **Retrospective Validation and Clinical Implementation of Automated Contouring of Organs at Risk in the Head and Neck: A Step Toward Automated Radiation Treatment Planning for Low- and Middle-Income Countries.** *Journal of global oncology*  
McCarroll, R. E., Beadle, B. M., Balter, P. A., Burger, H., Cardenas, C. E., Dalvie, S., Followill, D. S., Kisling, K. D., Mejia, M., Naidoo, K., Nelson, C. L., Peterson, C. B., Vorster, et al  
2018: 1–11
  - **Comparative Effectiveness and Toxicity of Cetuximab or Cisplatin With Concurrent Radiation for Locoregionally Advanced Squamous Cell Carcinoma of The Head And Neck: A Population-Based Analysis**  
Xiang, M., Holsinger, F., Chen, M., Colevas, A., Beadle, B.  
ELSEVIER SCIENCE INC.2018: E16
  - **Human Papillomavirus Testing in Head and Neck Carcinomas Guideline From the College of American Pathologists** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*  
Lewis, J. S., Beadle, B., Bishop, J. A., Chernock, R. D., Colasacco, C., Lacchetti, C., Moncur, J., Rocco, J. W., Schwartz, M. R., Seethala, R. R., Thomas, N. E., Westra, W. H., Faquin, et al  
2018; 142 (5): 559–97
  - **Radiation Planning Assistant - A Streamlined, Fully Automated Radiotherapy Treatment Planning System** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*  
Court, L. E., Kisling, K., McCarroll, R., Zhang, L., Yang, J., Simonds, H., du Toit, M., Trauernicht, C., Burger, H., Parkes, J., Mejia, M., Bojador, M., Balter, et al  
2018
  - **Development and Feasibility of Bundled Payments for the Multidisciplinary Treatment of Head and Neck Cancer: A Pilot Program** *JOURNAL OF ONCOLOGY PRACTICE*  
Spinks, T., Guzman, A., Beadle, B. M., Lee, S., Jones, D., Walters, R., Incalcaterra, J., Hanna, E., Hessel, A., Weber, R., Denney, S., Newcomer, L., Feeley, et al  
2018; 14 (2): E103–E112
  - **Reduced feeding tube duration with intensity-modulated radiation therapy for head and neck cancer: A Surveillance, Epidemiology, and End Results-Medicare Analysis.** *Cancer*  
Beadle, B. M., Liao, K., Giordano, S. H., Garden, A. S., Hutcheson, K. A., Lai, S. Y., Guadagnolo, B. A.  
2016
  - **The Influence of Diabetes Mellitus and Metformin on Distant Metastases in Oropharyngeal Cancer: A Multicenter Study** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*

- Spratt, D. E., Beadle, B. M., Zumsteg, Z. S., Rivera, A., Skinner, H. D., Osborne, J. R., Garden, A. S., Lee, N. Y.  
2016; 94 (3): 523-531
- **Improved survival using intensity-modulated radiation therapy in head and neck cancers: a SEER-Medicare analysis.** *Cancer*  
Beadle, B. M., Liao, K., Elting, L. S., Buchholz, T. A., Ang, K. K., Garden, A. S., Guadagnolo, B. A.  
2014; 120 (5): 702-710
  - **Identifying early dehydration risk with home-based sensors during radiation treatment: a feasibility study on patients with head and neck cancer.** *Journal of the National Cancer Institute. Monographs*  
Peterson, S. K., Shinn, E. H., Basen-Engquist, K., Demark-Wahnefried, W., Prokhorov, A. V., Baru, C., Krueger, I. H., Farcas, E., Rios, P., Garden, A. S., Beadle, B. M., Lin, K., Yan, et al  
2013; 2013 (47): 162-168
  - **Evaluating the impact of patient, tumor, and treatment characteristics on the development of jaw complications in patients treated for oral cancers: A SEER-Medicare analysis** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Beadle, B. M., Liao, K., Chambers, M. S., Elting, L. S., Buchholz, T. A., Ang, K. K., Garden, A. S., Guadagnolo, B. A.  
2013; 35 (11): 1599-1605
  - **p16 Expression in cutaneous squamous carcinomas with neck metastases: A potential pitfall in identifying unknown primaries of the head and neck** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Beadle, B. M., William, W. N., McLemore, M. S., Sturgis, E. M., Williams, M. D.  
2013; 35 (11): 1527-1533
  - **Identifying the optimal deep learning architecture and parameters for automatic beam aperture definition in 3D radiotherapy.** *Journal of applied clinical medical physics*  
Gay, S. S., Kisling, K. D., Anderson, B. M., Zhang, L., Rhee, D. J., Nguyen, C., Netherton, T., Yang, J., Brock, K., Jhingran, A., Simonds, H., Klopp, A., Beadle, et al  
2023; e14131
  - **HN-CLEAR: Head and Neck Consensus Language for Ease and Reproducibility, a Multidisciplinary Consensus Mechanism for Head and Neck Pathology.** *Head and neck pathology*  
Gupta, R., Bal, M., Bishop, J. A., Hunter, K. D., Magliocca, K., Seethala, R. R., Thompson, L. D., Weinreb, I., Angelos, P., Beadle, B., Bell, R. B., Clark, J. R., Ferris, et al  
2023
  - **Lessons and Opportunities for Biomarker-Driven Radiation Personalization in Head and Neck Cancer.** *Seminars in radiation oncology*  
Rahimy, E., Gensheimer, M. F., Beadle, B., Le, Q. T.  
2023; 33 (3): 336-347
  - **SUPPORT: SURvey of Parental Leave POLicies of RadiaTion Oncology Programs and Residency Applicants.** *Advances in radiation oncology*  
Baniel, C. C., Qu, V., Ponce, S. B., Taparra, K., Beadle, B., Currey, A., Lichter, K. E., Frank, J., Bagshaw, H., Soltys, S., Pollom, E.  
2023; 8 (4): 101207
  - **Deep Learning-Based Dose Prediction for Automated, Individualized Quality Assurance of Head and Neck Radiation Therapy Plans.** *Practical radiation oncology*  
Gronberg, M. P., Beadle, B. M., Garden, A. S., Skinner, H., Gay, S., Netherton, T., Cao, W., Cardenas, C. E., Chung, C., Fuentes, D. T., Fuller, C. D., Howell, R. M., Jhingran, et al  
2023
  - **Reflections on the 2021 Accreditation Council for Graduate Medical Education and American Board of Radiology Family and Medical Leave of Absence Policies: An Opportunity to Increase Structural Support for Physicians.** *International journal of radiation oncology, biology, physics*  
Baniel, C. C., Klebaner, D., Beadle, B. M., Ponce, S. E., Takiar, V., Gibbs, I. C., Soltys, S. G., Bagshaw, H. P., Chang, D. T., Le, Q. T., Pollom, E. L.  
2023; 115 (1): 19-22
  - **In Regard to Laskar et al.** *International journal of radiation oncology, biology, physics*  
Beadle, B. M., Bauman, J. E.  
2023; 115 (1): 260-261
  - **Improving lung cancer screening rates among patients with head and neck cancer in a radiation oncology clinic.** *Journal of thoracic disease*  
Soto, L., Nesbit, S., Ramsey, M., Gensheimer, M. F., Le, Q. T., Beadle, B. M., Lui, N. S.  
2022; 14 (12): 4633-4640

- **Say My Name: Understanding the Power of Names, Correct Pronunciation, and Personal Narratives.** *MedEdPORTAL : the journal of teaching and learning resources*  
Dali, S., Atasuntseva, A., Shankar, M., Ayeroff, E., Holmes, M., Johnson, C., Terkawi, A. S., Beadle, B., Chang, J., Boyd, K., Dunn, T.  
2022; 18: 11284
- **Improving lung cancer screening rates among patients with head and neck cancer in a radiation oncology clinic** *JOURNAL OF THORACIC DISEASE*  
Soto, L., Nesbit, S., Ramsey, M., Gensheimer, M. F., Le, Q., Beadle, B. M., Lui, N. S.  
2022
- **Radio-luminescent imaging for rapid, high resolution eye plaque loading verification.** *Medical physics*  
Yan, H., De Jean, P., Grafil, E., Ashraf, R., Niedermayr, T., Astrahan, M., Mruthyunjaya, P., Beadle, B., Xing, L., Liu, W.  
2022
- **Reconsidering How It Begins.** *International journal of radiation oncology, biology, physics*  
Beadle, B. M., Bauman, J. E.  
2022
- **Intravitreal brolocizumab as treatment of early onset radiation retinopathy secondary to plaque brachytherapy for choroidal melanoma.** *American journal of ophthalmology case reports*  
Villegas, N. C., Mishra, K., Steinle, N., Liu, W., Beadle, B., Mruthyunjaya, P.  
2022; 27: 101581
- **Head and Neck Virtual Coach: A Randomized Control Trial of Mobile Health as an Adjunct to Swallowing Therapy During Head and Neck Radiation.** *Dysphagia*  
Starmer, H. M., Klein, D., Montgomery, A., Goldsmith, T., McCarroll, L., Richmon, J., Christopher Holsinger, F., Beadle, B., Jain, P.  
2022
- **Posttreatment FDG-PET/CT Hopkins criteria predict locoregional recurrence after definitive radiotherapy for oropharyngeal squamous cell carcinoma.** *Head & neck*  
Miller, J. A., Moradi, F., Sundaram, V., Liang, R., Zhang, C., Nguyen, N. K., Akhtar, F., Liu, Y., Ren, Y., Harandi, N., Weng, Y., Pollom, E. L., Colevas, et al  
2022
- **Clinical acceptability of fully automated external beam radiotherapy for cervical cancer with three different beam delivery techniques.** *Medical physics*  
Rhee, D. J., Jhingran, A., Huang, K., Netherton, T. J., Fakie, N., White, I., Sherriff, A., Cardenas, C. E., Zhang, L., Prajapati, S., Kry, S. F., Beadle, B. M., Shaw, et al  
2022
- **Assessing the practicality of using a single knowledge-based planning model for multiple linac vendors.** *Journal of applied clinical medical physics*  
Douglas, R. J., Olanrewaju, A., Zhang, L., Beadle, B. M., Court, L. E.  
2022: e13704
- **Factors associated with adherence to remote patient monitoring for early detection of dehydration risk during radiation treatment for head and neck cancer.**  
Phillips, S., Shinn, E. H., Garden, A. S., Beadle, B., Camero, M., Baum, G., Shete, S., Farcas, E., Patrick, K., Peterson, S. K.  
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Automatic contouring QA method using a deep learning-based autocontouring system.** *Journal of applied clinical medical physics*  
Rhee, D. J., Akinfenwa, C. P., Rigaud, B., Jhingran, A., Cardenas, C. E., Zhang, L., Prajapati, S., Kry, S. F., Brock, K. K., Beadle, B. M., Shaw, W., O'Reilly, F., Parkes, et al  
2022: e13647
- **Knowledge-based planning for the radiation therapy treatment plan quality assurance for patients with head and neck cancer.** *Journal of applied clinical medical physics*  
Cao, W., Gronberg, M., Olanrewaju, A., Whitaker, T., Hoffman, K., Cardenas, C., Garden, A., Skinner, H., Beadle, B., Court, L.  
2022: e13614
- **Retreatment of Recurrent or Second Primary Head and Neck Cancer After Prior Radiation: Executive Summary of the American Radium Society (ARS) Appropriate Use Criteria (AUC): Expert Panel on Radiation Oncology - Head and Neck Cancer.** *International journal of radiation oncology, biology, physics*  
Ward, M. C., Koyfman, S. A., Bakst, R. L., Margalit, D. N., Beadle, B. M., Beitler, J. J., Chang, S. S., Cooper, J. S., Galloway, T. J., Ridge, J. A., Robbins, J. R., Sacco, A. G., Tsai, et al  
2022

- **Circulating tumor DNA in head and neck cancer: Early successes and future promise.** *Cancer*  
Soo, J., Jin, M. C., Beadle, B. M., Holsinger, F. C., Finegersh, A.  
2022
- **De-escalating elective nodal irradiation for nasopharyngeal carcinoma.** *The Lancet. Oncology*  
Miller, J. A., Beadle, B. M., Gensheimer, M. F., Le, Q.  
2022
- **p16 Represses DNA Damage Repair via a Novel Ubiquitin-Dependent Signaling Cascade.** *Cancer research*  
Molkentine, D. P., Molkentine, J. M., Bridges, K. A., Valdecanas, D. R., Dhawan, A., Bahri, R., Hefner, A. J., Kumar, M., Yang, L., Abdelhakiem, M., Pifer, P. M., Sandulache, V., Sheth, et al  
1800
- **Human-level comparable control volume mapping with a deep unsupervised-learning model for image-guided radiation therapy.** *Computers in biology and medicine*  
Liang, X., Bassenne, M., Hristov, D. H., Islam, M. T., Zhao, W., Jia, M., Zhang, Z., Gensheimer, M., Beadle, B., Le, Q., Xing, L.  
1800; 141: 105139
- **Inhibition of histone acetyltransferase function radiosensitizes CREBBP/EP300 mutants via repression of homologous recombination, potentially targeting a gain of function.** *Nature communications*  
Kumar, M., Molkentine, D., Molkentine, J., Bridges, K., Xie, T., Yang, L., Hefner, A., Gao, M., Bahri, R., Dhawan, A., Frederick, M. J., Seth, S., Abdelhakiem, et al  
2021; 12 (1): 6340
- **NRG Oncology HN006: Randomized phase II/III trial of sentinel lymph node biopsy versus elective neck dissection for early-stage oral cavity cancer.**  
Lai, S., Torres-Saavedra, P. A., Dunlap, N. E., Beadle, B., Chang, S. S., Subramaniam, R. M., Yu, J., Lowe, V. J., Khan, S. A., Truong, M., Bell, D., Liu, C. Z., Kovalchuk, et al  
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Recommendations for postoperative radiotherapy in head & neck squamous cell carcinoma in the presence of flaps: a GORTEC internationally-reviewed HNCIG-endorsed consensus.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*  
Carsuzaa, F., Lapeyre, M., Gregoire, V., Maingon, P., Beddok, A., Marcy, P., Salleron, J., Coutte, A., Racadot, S., Pointreau, Y., Graff, P., Beadle, B., Benezery, et al  
2021
- **Management of Salivary Gland Malignancy: ASCO Guideline.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Geiger, J. L., Ismaila, N., Beadle, B., Caudell, J. J., Chau, N., Deschler, D., Glastonbury, C., Kaufman, M., Lamarre, E., Lau, H. Y., Licitra, L., Moore, M. G., Rodriguez, et al  
2021: JCO2100449
- **Something for Everyone From Low-Risk to High-Risk: 5 Recent Studies to Improve Treatment and Surveillance for All Patients With Squamous Cell Carcinoma of the Head and Neck.** *International journal of radiation oncology, biology, physics*  
Mierzwa, M., Beadle, B. M., Chua, M. L., Ma, D. J., Thomson, D. J., Margalit, D. N.  
2021; 111 (1): 1-8
- **Feasibility of Mobile and Sensor Technology for Remote Monitoring in Cancer Care and Prevention.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
Peterson, S. K., Basen-Engquist, K., Demark-Wahnefried, W., Prokhorov, A. V., Shinn, E. H., Martch, S. L., Beadle, B. M., Garden, A. S., Farcas, E., Brandon Gunn, G., Fuller, C. D., Morrison, W. H., Rosenthal, et al  
2021; 2021: 979-988
- **Ipsilateral radiation for squamous cell carcinoma of the tonsil: American Radium Society appropriate use criteria executive summary.** *Head & neck*  
Tsai, C. J., Galloway, T. J., Margalit, D. N., Bakst, R. L., Beadle, B. M., Beitler, J. J., Chang, S., Chen, A., Cooper, J., Koyfman, S. A., Ridge, J. A., Robbins, J., Truong, et al  
2020
- **Postoperative Therapy for Resected Squamous Cell Carcinoma of the Head and Neck (SCCHN): Initial Findings of an American Radium Society (TM) (ARS) Appropriate Use Criteria Systematic Review (SR)**  
Margalit, D., Sacco, A., Bakst, R., Beadle, B., Beitler, J., Chang, S., Chen, A., Cooper, J., Galloway, T., Koyfman, S., Ridge, J., Robbins, J., Minh-Tam Truong, et al  
ELSEVIER SCIENCE INC.2020: E44



- **Ipsilateral Radiation for Squamous Cell Carcinoma of the Tonsil: Summary of Findings and Controversies from the ARS Appropriate Use Criteria Expert Panel on Tonsil Cancer**  
Tsai, C., Galloway, T., Beitler, J., Cooper, J., Bakst, R., Ridge, J., Beadle, B., Robbins, J., Chen, A., Sacco, A., Chang, S., Minh Truong, Koyfman, S., et al  
ELSEVIER SCIENCE INC.2020: E41–E42
- **Continuing Medical Student Education During the Coronavirus Disease 2019 (COVID-19) Pandemic: Development of a Virtual Radiation Oncology Clerkship.** *Advances in radiation oncology*  
Pollom, E. L., Sandhu, N., Frank, J., Miller, J. A., Obeid, J., Kastelowitz, N., Panjwani, N., Soltys, S. G., Bagshaw, H. P., Donaldson, S. S., Horst, K., Beadle, B. M., Chang, et al  
2020; 5 (4): 732–36
- **Molecular profiling of a primary cutaneous signet-ring cell/histiocytoid carcinoma of the eyelid.** *Journal of cutaneous pathology*  
Raghavan, S., Clark, M., Louie, C., Jensen, K. C., Dietrich, B., Beadle, B. M., El-Sawy, T., Baik, F., Kunder, C. A., Brown, R. A.  
2020
- **Effectiveness of a Home-based Head and Neck Lymphedema Management Program: A Pilot Study.** *The Laryngoscope*  
Yao, T. n., Beadle, B. n., Holsinger, C. F., Starmer, H. M.  
2020
- **Systematic review of postoperative therapy for resected squamous cell carcinoma of the head and neck: Executive summary of the American Radium Society appropriate use criteria.** *Head & neck*  
Margalit, D. N., Sacco, A. G., Cooper, J. S., Ridge, J. A., Bakst, R. L., Beadle, B. M., Beitler, J. J., Chang, S. S., Chen, A. M., Galloway, T. J., Koyfman, S. A., Mita, C. n., Robbins, et al  
2020
- **Virtual Radiation Oncology Clerkship During the COVID-19 Pandemic and Beyond.** *International journal of radiation oncology, biology, physics*  
Sandhu, N., Frank, J., von Eyben, R., Miller, J., Obeid, J., Kastelowitz, N., Panjwani, N., Soltys, S., Bagshaw, H. P., Donaldson, S. S., Horst, K., Beadle, B. M., Chang, et al  
2020; 108 (2): 444–51
- **Dosimetry Modeling of Focused kV X-ray Radiotherapy for Wet Age-related Macular Degeneration.** *Medical physics*  
Yan, H. n., Sun, W. n., Mruthyunjaya, P. n., Beadle, B. n., Yu, W. n., Kanwal, B. n., MacDonald, C. A., Liu, W. n.  
2020
- **Oncology Informatics: Status Quo and Outlook.** *Oncology*  
Putora, P. M., Baudis, M. n., Beadle, B. M., El Naqa, I. n., Giordano, F. A., Nicolay, N. H.  
2020: 1–3
- **Proton radiotherapy and treatment delay in head and neck squamous cell carcinoma.** *The Laryngoscope*  
Jin, M. C., Harris, J. P., Sabolch, A. N., Gensheimer, M., Le, Q., Beadle, B. M., Pollom, E. L.  
2019
- **Automatic detection of contouring errors using convolutional neural networks** *MEDICAL PHYSICS*  
Rhee, D., Cardenas, C. E., Elhalawani, H., McCarroll, R., Zhang, L., Yang, J., Garden, A. S., Peterson, C. B., Beadle, B. M., Court, L. E.  
2019; 46 (11): 5086–97
- **Automatic detection of contouring errors using convolutional neural networks.** *Medical physics*  
Rhee, D. J., Cardenas, C. E., Elhalawani, H., McCarroll, R., Zhang, L., Yang, J., Garden, A. S., Peterson, C. B., Beadle, B. M., Court, L. E.  
2019
- **Tumor Subregion Evolution-based Imaging Features to Assess Early Response and Predict Prognosis in Oropharyngeal Cancer.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*  
Wu, J., Gensheimer, M., Zhang, N., Guo, M., Liang, R., Zhang, C., Fischbein, N., Pollom, E., Beadle, B., Le, Q., Li, R.  
2019
- **Cost comparison of treatment for oropharyngeal carcinoma** *LARYNGOSCOPE*  
Tam, K., Orosco, R. K., Colevas, A., Bedi, N., Starmer, H. M., Beadle, B. M., Holsinger, F.  
2019; 129 (7): 1604–9
- **Integrating tumor and nodal imaging characteristics at baseline and mid-treatment CT scans to predict distant metastasis in oropharyngeal cancer treated with concurrent chemoradiotherapy.** *International journal of radiation oncology, biology, physics*



- Wu, J., Gensheimer, M. F., Zhang, N., Han, F., Liang, R., Qian, Y., Zhang, C., Fischbein, N., Pollom, E. L., Beadle, B., Le, Q., Li, R.  
2019
- **USING MOBILE AND SENSOR TECHNOLOGY TO IDENTIFY EARLY DEHYDRATION RISK IN HEAD AND NECK CANCER PATIENTS UNDERGOING RADIATION TREATMENT: IMPACT ON QUALITY OF LIFE (vol 25, pg 1, 2018) INTERNATIONAL JOURNAL OF BEHAVIORAL MEDICINE**  
Peterson, S., Beadle, B., Garden, A., Shete, S., Martch, S., Farcas, E., Lin, K., Raab, F., Nandigam, V., Camero, M., Godino, J., Patrick, K., Shinn, et al  
2019; 26 (1): 109
  - **Fully Automatic Treatment Planning for External-Beam Radiation Therapy of Locally Advanced Cervical Cancer: A Tool for Low-Resource Clinics JOURNAL OF GLOBAL ONCOLOGY**  
Kisling, K., Zhang, L., Simonds, H., Fakie, N., Yang, J., Mccarroll, R., Balter, P., Burger, H., Bogler, O., Howell, R., Schmeler, K., Mejia, M., Beadle, et al  
2019; 5
  - **Fully Automatic Treatment Planning for External-Beam Radiation Therapy of Locally Advanced Cervical Cancer: A Tool for Low-Resource Clinics. Journal of global oncology**  
Kisling, K., Zhang, L., Simonds, H., Fakie, N., Yang, J., McCarroll, R., Balter, P., Burger, H., Bogler, O., Howell, R., Schmeler, K., Mejia, M., Beadle, et al  
2019: 1–9
  - **Optimizing efficiency and safety in external beam radiotherapy using automated plan check (APC) tool and six sigma methodology. Journal of applied clinical medical physics**  
Liu, S. n., Bush, K. K., Bertini, J. n., Fu, Y. n., Lewis, J. M., Pham, D. J., Yang, Y. n., Niedermayr, T. R., Skinner, L. n., Xing, L. n., Beadle, B. M., Hsu, A. n., Kovalchuk, et al  
2019; 20 (8): 56–64
  - **A Risk Assessment of Automated Treatment Planning and Recommendations for Clinical Deployment. Medical physics**  
Kisling, K. n., Johnson, J. L., Simonds, H. n., Zhang, L. n., Jhingran, A. n., Beadle, B. M., Burger, H. n., Toit, M. d., Joubert, N. n., Makufa, R. n., Shaw, W. n., Trauernicht, C. n., Balter, et al  
2019
  - **Treatment of early-stage laryngeal cancer: A comparison of treatment options. Oral oncology**  
Baird, B. J., Sung, C. K., Beadle, B. M., Divi, V.  
2018; 87: 8–16
  - **Treatment of early-stage laryngeal cancer: A comparison of treatment options ORAL ONCOLOGY**  
Baird, B., Sung, C., Beadle, B. M., Divi, V.  
2018; 87: 8–16
  - **Survival of patients with head and neck cancer treated with definitive radiotherapy and concurrent cisplatin or concurrent cetuximab: A Surveillance, Epidemiology, and End Results-Medicare analysis CANCER**  
Xiang, M., Holsinger, F., Colevas, A., Chen, M. M., Quynh-Thu Le, Beadle, B. M.  
2018; 124 (23): 4486–94
  - **Cost comparison of treatment for oropharyngeal carcinoma. The Laryngoscope**  
Tam, K., Orosco, R. K., Dimitrios Colevas, A., Bedi, N., Starmer, H. M., Beadle, B. M., Christopher Holsinger, F.  
2018
  - **USING MOBILE AND SENSOR TECHNOLOGY TO IDENTIFY EARLY DEHYDRATION RISK IN HEAD AND NECK CANCER PATIENTS UNDERGOING RADIATION TREATMENT: IMPACT ON QUALITY OF LIFE**  
Peterson, S., Beadle, B., Garden, A., Shete, S., Martch, S., Farcas, E., Lin, K., Raab, F., Nandigam, V.  
SPRINGER.2018: S158
  - **Retrospective Validation and Clinical Implementation of Automated Contouring of Organs at Risk in the Head and Neck: A Step Toward Automated Radiation Treatment Planning for Low- and Middle-Income Countries JOURNAL OF GLOBAL ONCOLOGY**  
McCarrroll, R. E., Beadle, B. M., Baiter, P. A., Burger, H., Cardenas, C. E., Dalvie, S., Followill, D. S., Kisling, K. D., Mejia, M., Naidoo, K., Nelson, C. L., Peterson, C. B., Vorster, et al  
2018; 4
  - **Chronic Radiation-Associated Dysphagia in Oropharyngeal Cancer Survivors: Towards Age-Adjusted Dose Constraints for Deglutitive Muscles**  
Christopherson, K., Ghosh, A., Mohamed, A., Jomaa, M., Gunn, G., Marai, L., Canahuate, G., Vock, D., Dale, T., Kalpathy-Cramer, J., Messer, J., Garden, A. S., El Halawani, et al

ELSEVIER SCIENCE INC.2018: E14

- **Feasibility of a Mobile Application to Enhance Swallowing Therapy for Patients Undergoing Radiation-Based Treatment for Head and Neck Cancer**  
Starmer, H. M., Abrams, R., Webster, K., Kizner, J., Beadle, B., Holsinger, F., Quon, H., Richmon, J.  
SPRINGER.2018: 227–33
- **CTV Guidance for Head and Neck Cancers** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Beadle, B. M., Anderson, C. M.  
2018; 100 (4): 903–5
- **Clinical outcomes after local field conformal reirradiation of patients with retropharyngeal nodal metastasis**  
Pollard, C., Nguyen, T. P., Ng, S., Frank, S. J., Garden, A. S., Gunn, G. B., Fuller, C. D., Beadle, B. M., Morrison, W. H., Shah, S. J., Wang, H., Tung, S., Wang, et al  
WILEY.2017: 2079–87
- **Integrative Analysis Identifies a Novel AXL-PI3 Kinase-PD-L1 Signaling Axis Associated with Radiation Resistance in Head and Neck Cancer.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Skinner, H. D., Giri, U., Yang, L. P., Kumar, M., Liu, Y., Story, M. D., Pickering, C. R., Byers, L. A., Williams, M. D., Wang, J., Shen, L., Yoo, S. Y., Fan, et al  
2017; 23 (11): 2713-2722
- **Quantitative pretreatment CT volumetry: Association with oncologic outcomes in patients with T4a squamous carcinoma of the larynx.** *Head & neck*  
Shiao, J. C., Mohamed, A. S., Messer, J. A., Hutcheson, K. A., Johnson, J. M., Enderling, H., Kamal, M., Warren, B. W., Pham, B., Morrison, W. H., Zafereo, M. E., Hessel, A. C., Lai, et al  
2017
- **Predicting two-year longitudinal MD Anderson Dysphagia Inventory outcomes after intensity modulated radiotherapy for locoregionally advanced oropharyngeal carcinoma** *LARYNGOSCOPE*  
Goepfert, R. P., Lewin, J. S., Barrow, M. P., Fuller, C. D., Lai, S. Y., Song, J., Hobbs, B. P., Gunn, G. B., Beadle, B. M., Rosenthal, D. I., Garden, A. S., Kies, M. S., Papadimitrakopoulou, et al  
2017; 127 (4): 842-848
- **Recurrent oral cavity cancer: Patterns of failure after salvage multimodality therapy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Quinlan-Davidson, S. R., Morrison, W. H., Myers, J. N., Gunn, G. B., William, W. N., Beadle, B. M., Skinner, H. D., Gillenwater, A. M., Frank, S. J., Phan, J., Johnson, F. M., Fuller, C. D., Zafereo, et al  
2017; 39 (4): 633-638
- **Long-Term, Prospective Performance of the MD Anderson Dysphagia Inventory in "Low-Intermediate Risk" Oropharyngeal Carcinoma After Intensity Modulated Radiation Therapy** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Goepfert, R. P., Lewin, J. S., Barrow, M. P., Gunn, G. B., Fuller, C. D., Beadle, B. M., Garden, A. S., Rosenthal, D. I., Kies, M. S., Papadimitrakopoulou, V., Lai, S. Y., Gross, N. D., Schwartz, et al  
2017; 97 (4): 700-708
- **Conditional Survival Analysis of Patients With Locally Advanced Laryngeal Cancer: Construction of a Dynamic Risk Model and Clinical Nomogram** *SCIENTIFIC REPORTS*  
Sheu, T., Vock, D. M., Mohamed, A. S., Gross, N., Mulcahy, C., Zafereo, M., Gunn, G. B., Garden, A. S., Sevak, P., Phan, J., Lewin, J. S., Frank, S. J., Beadle, et al  
2017; 7
- **Symptom burden and dysphagia associated with osteoradionecrosis in long-term oropharynx cancer survivors: A cohort analysis.** *Oral oncology*  
Wong, A. T., Lai, S. Y., Gunn, G. B., Beadle, B. M., Fuller, C. D., Barrow, M. P., Hofstede, T. M., Chambers, M. S., Sturgis, E. M., Mohamed, A. S., Lewin, J. S., Hutcheson, K. A.  
2017; 66: 75-80
- **The impact of HPV testing for oropharyngeal cancers: Why the addendum matters.** *Cancer*  
Beadle, B. M.  
2017
- **Reduced Feeding Tube Duration With Intensity-Modulated Radiation Therapy for Head and Neck Cancer: A Surveillance, Epidemiology, and End Results-Medicare Analysis** *CANCER*  
Beadle, B. M., Liao, K., Giordano, S. H., Garden, A. S., Hutcheson, K. A., Lai, S. Y., Guadagnolo, B. A.  
2017; 123 (2): 283-293

- **Reproducibility of patient setup in the seated treatment position: A novel treatment chair design** *JOURNAL OF APPLIED CLINICAL MEDICAL PHYSICS*  
McCarroll, R. E., Beadle, B. M., Fullen, D., Balter, P. A., Followill, D. S., Stingo, F. C., Yang, J., Court, L. E.  
2017; 18 (1): 223-229
- **The feasibility of endoscopy-CT image registration in the head and neck without prospective endoscope tracking.** *PLoS one*  
Ingram, W. S., Yang, J., Beadle, B. M., Wendt, R., Rao, A., Wang, X. A., Court, L. E.  
2017; 12 (5)
- **Recurrent oral cavity cancer: Patterns of failure after salvage multimodality therapy.** *Head & neck*  
Quinlan-Davidson, S. R., Morrison, W. H., Myers, J. N., Gunn, G. B., William, W. N., Beadle, B. M., Skinner, H. D., Gillenwater, A. M., Frank, S. J., Phan, J., Johnson, F. M., Fuller, C. D., Zafereo, et al  
2016
- **Prospective Qualitative and Quantitative Analysis of Real-Time Peer Review Quality Assurance Rounds Incorporating Direct Physical Examination for Head and Neck Cancer Radiation Therapy.** *International journal of radiation oncology, biology, physics*  
Cardenas, C. E., Mohamed, A. S., Tao, R., Wong, A. J., Awan, M. J., Kuruvila, S., Aristophanous, M., Gunn, G. B., Phan, J., Beadle, B. M., Frank, S. J., Garden, A. S., Morrison, et al  
2016
- **Proteomic Profiling Identifies PTK2/FAK as a Driver of Radioresistance in HPV-negative Head and Neck Cancer** *CLINICAL CANCER RESEARCH*  
Skinner, H. D., Giri, U., Yang, L., Woo, S. H., Story, M. D., Pickering, C. R., Byers, L. A., Williams, M. D., El-Naggar, A., Wang, J., Diao, L., Shen, L., Fan, et al  
2016; 22 (18): 4643-4650
- **Reirradiation of Head and Neck Cancers With Proton Therapy: Outcomes and Analyses** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Phan, J., Sio, T. T., Nguyen, T. P., Takiar, V., Gunn, G. B., Garden, A. S., Rosenthal, D. I., Fuller, C. D., Morrison, W. H., Beadle, B., Ma, D., Zafereo, M. E., Hutcheson, et al  
2016; 96 (1): 30-41
- **Long-term outcomes after multidisciplinary management of T3 laryngeal squamous cell carcinomas: Improved functional outcomes and survival with modern therapeutic approaches.** *Head & neck*  
Fuller, C. D., Mohamed, A. S., Garden, A. S., Gunn, G. B., Mulcahy, C. F., Zafereo, M., Phan, J., Lai, S. Y., Lewin, J. S., Hutcheson, K. A., Frank, S. J., Beadle, B. M., Morrison, et al  
2016
- **Methodology for analysis and reporting patterns of failure in the Era of IMRT: head and neck cancer applications** *RADIATION ONCOLOGY*  
Mohamed, A. S., Rosenthal, D. I., Awan, M. J., Garden, A. S., Kocak-Uzel, E., Belal, A. M., El-Gowily, A. G., Phan, J., Beadle, B. M., Gunn, G. B., Fuller, C. D.  
2016; 11
- **Predicting two-year longitudinal MD Anderson Dysphagia Inventory outcomes after intensity modulated radiotherapy for locoregionally advanced oropharyngeal carcinoma.** *Laryngoscope*  
Goepfert, R. P., Lewin, J. S., Barrow, M. P., Fuller, C. D., Lai, S. Y., Song, J., Hobbs, B. P., Gunn, G. B., Beadle, B. M., Rosenthal, D. I., Garden, A. S., Kies, M. S., Papadimitrakopoulou, et al  
2016
- **Reirradiation of Head and Neck Cancers With Intensity Modulated Radiation Therapy: Outcomes and Analyses** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Takiar, V., Garden, A. S., Ma, D., Morrison, W. H., Edson, M., Zafereo, M. E., Gunn, G. B., Fuller, C. D., Beadle, B., Frank, S. J., William, W. N., Kies, M., El-Naggar, et al  
2016; 95 (4): 1117-1131
- **The role of elective nodal irradiation for esthesioneuroblastoma patients with clinically negative neck.** *Practical radiation oncology*  
Jiang, W., Mohamed, A. S., Fuller, C. D., Kim, B. Y., Tang, C., Gunn, G. B., Hanna, E. Y., Frank, S. J., Su, S. Y., Diaz, E., Kupferman, M. E., Beadle, B. M., Morrison, et al  
2016; 6 (4): 241-247
- **Long-Term, Prospective Performance of the MD Anderson Dysphagia Inventory in "Low-Intermediate Risk" Oropharyngeal Carcinoma After Intensity Modulated Radiation Therapy.** *International journal of radiation oncology, biology, physics*  
Goepfert, R. P., Lewin, J. S., Barrow, M. P., Gunn, G. B., Fuller, C. D., Beadle, B. M., Garden, A. S., Rosenthal, D. I., Kies, M. S., Papadimitrakopoulou, V., Lai, S. Y., Gross, N. D., Schwartz, et al  
2016

- **Osteoradionecrosis in patients with salivary gland malignancies** *ORAL ONCOLOGY*  
Tucker, J. R., Xu, L., Sturgis, E. M., Mohamed, A. S., Hofstede, T. M., Chambers, M. S., Lai, S. Y., Fuller, C. D., Beadle, B., Gunn, G. B., Hutcheson, K. A.  
2016; 57: 1-5
- **Radiation Therapy (With or Without Neck Surgery) for Phenotypic Human Papillomavirus-Associated Oropharyngeal Cancer** *CANCER*  
Garden, A. S., Fuller, C. D., Rosenthal, D. I., William, W. N., Gunn, G. B., Beadle, B. M., Johnson, F. M., Morrison, W. H., Phan, J., Frank, S. J., Kies, M. S., Sturgis, E. M.  
2016; 122 (11): 1702-1707
- **Association of Body Composition With Survival and Locoregional Control of Radiotherapy-Treated Head and Neck Squamous Cell Carcinoma.** *JAMA oncology*  
Grossberg, A. J., Chamchod, S., Fuller, C. D., Mohamed, A. S., Heukelom, J., Eichelberger, H., Kantor, M. E., Hutcheson, K. A., Gunn, G. B., Garden, A. S., Frank, S., Phan, J., Beadle, et al  
2016; 2 (6): 782-789
- **Impact of selective neck dissection on chronic dysphagia after chemo-intensity-modulated radiotherapy for oropharyngeal carcinoma** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Hutcheson, K. A., Abuelsamh, A. R., Sosa, A., Weber, R. S., Beadle, B. M., Sturgis, E. M., Lewin, J. S.  
2016; 38 (6): 886-893
- **Clinical Outcomes and Patterns of Disease Recurrence After Intensity Modulated Proton Therapy for Oropharyngeal Squamous Carcinoma** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Gunn, G. B., Blanchard, P., Garden, A. S., Zhu, X. R., Fuller, C. D., Mohamed, A. S., Morrison, W. H., Phan, J., Beadle, B. M., Skinner, H. D., Sturgis, E. M., Kies, M. S., Hutcheson, et al  
2016; 95 (1): 360-367
- **A Multidisciplinary Orbit-Sparing Treatment Approach That Includes Proton Therapy for Epithelial Tumors of the Orbit and Ocular Adnexa** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Holliday, E. B., Esmaeli, B., Pinckard, J., Garden, A. S., Rosenthal, D. I., Morrison, W. H., Kies, M. S., Gunn, G. B., Fuller, C. D., Phan, J., Beadle, B. M., Zhu, X. R., Zhang, et al  
2016; 95 (1): 344-352
- **Outcomes and complications of osseointegrated hearing aids in irradiated temporal bones** *LARYNGOSCOPE*  
Nader, M., Beadle, B. M., Roberts, D. B., Gidley, P. W.  
2016; 126 (5): 1187-1192
- **Comparison of systemic therapies used concurrently with radiation for the treatment of human papillomavirus-associated oropharyngeal cancer** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Nien, H., Sturgis, E. M., Kies, M. S., El-Naggar, A. K., Morrison, W. H., Beadle, B. M., Johnson, F. M., Gunn, G. B., Fuller, C. D., Phan, J., Gold, K. A., Frank, S. J., Skinner, et al  
2016; 38: E1554-E1561
- **Disease control and toxicity outcomes for T4 carcinoma of the nasopharynx treated with intensity-modulated radiotherapy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Takiar, V., Ma, D., Garden, A. S., Li, J., Rosenthal, D. I., Beadle, B. M., Frank, S. J., Fuller, C. D., Gunn, G. B., Morrison, W. H., Hutcheson, K., El-Naggar, A. K., Gold, et al  
2016; 38: E925-E933
- **Prognostic value of p16 expression in Epstein-Barr virus-positive nasopharyngeal carcinomas** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Jiang, W., Chamberlain, P. D., Garden, A. S., Kim, B. Y., Ma, D., Lo, E. J., Bell, D., Gunn, G. B., Fuller, C. D., Rosenthal, D. I., Beadle, B. M., Frank, S. J., Morrison, et al  
2016; 38: E1459-E1466
- **Outcomes for hypopharyngeal carcinoma treated with organ-preservation therapy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Edson, M. A., Garden, A. S., Takiar, V., Glisson, B. S., Fuller, C. D., Gunn, G. B., Beadle, B. M., Morrison, W. H., Frank, S. J., Shah, S. J., Tao, R., William, W. N., Weber, et al  
2016; 38: E2091-E2099
- **Merkel cell carcinoma of the head and neck: Favorable outcomes with radiotherapy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*

- Bishop, A. J., Garden, A. S., Gunn, G. B., Rosenthal, D. I., Beadle, B. M., Fuller, C. D., Levy, L. B., Gillenwater, A. M., Kies, M. S., Esmaeli, B., Frank, S. J., Phan, J., Morrison, et al  
2016; 38: E452-E458
- **Orbital carcinomas treated with adjuvant intensity-modulated radiation therapy** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Tao, R., Ma, D., Takiar, V., Frank, S. J., Fuller, C. D., Gunn, G. B., Beadle, B. M., Morrison, W. H., Rosenthal, D. I., Edson, M. A., Esmaeli, B., Kupferman, M. E., Hanna, et al  
2016; 38: E580-E587
  - **Beyond mean pharyngeal constrictor dose for beam path toxicity in non-target swallowing muscles: Dose-volume correlates of chronic radiation-associated dysphagia (RAD) after oropharyngeal intensity modulated radiotherapy** *RADIOTHERAPY AND ONCOLOGY*  
Dale, T., Hutcheson, K., Mohamed, A. S., Lewin, J. S., Gunn, G. B., Rao, A. U., Kalpathy-Cramer, J., Frank, S. J., Garden, A. S., Messer, J. A., Warren, B., Lai, S. Y., Beadle, et al  
2016; 118 (2): 304-314
  - **Favorable patient reported outcomes following IMRT for early carcinomas of the tonsillar fossa: Results from a symptom assessment study** *RADIOTHERAPY AND ONCOLOGY*  
Gunn, G. B., Hansen, C. C., Garden, A. S., Fuller, C. D., Mohamed, A. S., Morrison, W. H., Frank, S. J., Beadle, B. M., Phan, J., Chronowski, G. M., Sturgis, E. M., Lewis, C. M., Lu, et al  
2015; 117 (1): 132-138
  - **A multimodality segmentation framework for automatic target delineation in head and neck radiotherapy** *MEDICAL PHYSICS*  
Yang, J., Beadle, B. M., Garden, A. S., Schwartz, D. L., Aristophanous, M.  
2015; 42 (9): 5310-5320
  - **A choice of radionuclide: Comparative outcomes and toxicity of ruthenium-106 and iodine-125 in the definitive treatment of uveal melanoma.** *Practical radiation oncology*  
Takiar, V., Voong, K. R., Gombos, D. S., Mourtada, F., Rechner, L. A., Lawyer, A. A., Morrison, W. H., Garden, A. S., Beadle, B. M.  
2015; 5 (3): e169-76
  - **Evolutionary Action Score of TP53 Identifies High-Risk Mutations Associated with Decreased Survival and Increased Distant Metastases in Head and Neck Cancer** *CANCER RESEARCH*  
Neskey, D. M., Osman, A. A., Ow, T. J., Katsonis, P., McDonald, T., Hicks, S. C., Hsu, T., Pickering, C. R., Ward, A., Patel, A., Yordy, J. S., Skinner, H. D., Giri, et al  
2015; 75 (7): 1527-1536
  - **Characteristics and kinetics of cervical lymph node regression after radiation therapy for human papillomavirus-associated oropharyngeal carcinoma: Quantitative image analysis of post-radiotherapy response** *ORAL ONCOLOGY*  
Tang, C., Fuller, C. D., Garden, A. S., Awan, M. J., Colen, R. R., Morrison, W. H., Frank, S. J., Beadle, B. M., Phan, J., Sturgis, E. M., Zafereo, M. E., Weber, R. S., Rosenthal, et al  
2015; 51 (2): 195-201
  - **Sleep-Related Breathing Disorders in Patients With Tumors in the Head and Neck Region** *ONCOLOGIST*  
Faiz, S. A., Balachandran, A., Hessel, A. C., Lei, X., Beadle, B. M., William, D. N., Bashoura, L.  
2014; 19 (11): 1200-1206
  - **Nomogram for Predicting Symptom Severity during Radiation Therapy for Head and Neck Cancer** *OTOLARYNGOLOGY-HEAD AND NECK SURGERY*  
Sheu, T., Fuller, C. D., Mendoza, T. R., Garden, A. S., Morrison, W. H., Beadle, B. M., Phan, J., Frank, S. J., Hanna, E. Y., Lu, C., Cleeland, C. S., Rosenthal, D. I., Gunn, et al  
2014; 151 (4): 619-626
  - **Management of the Lymph Node-Positive Neck in the Patient With Human Papillomavirus-Associated Oropharyngeal Cancer** *CANCER*  
Garden, A. S., Gunn, G. B., Hessel, A., Beadle, B. M., Ahmed, S., El-Naggari, A. K., Fuller, C. D., Byers, L. A., Phan, J., Frank, S. J., Morrison, W. H., Kies, M. S., Rosenthal, et al  
2014; 120 (19): 3082-3088
  - **Forecasting longitudinal changes in oropharyngeal tumor morphology throughout the course of head and neck radiation therapy.** *Medical physics*  
Yock, A. D., Rao, A., Dong, L., Beadle, B. M., Garden, A. S., Kudchadker, R. J., Court, L. E.  
2014; 41 (8): 081708-?
  - **Forecasting longitudinal changes in oropharyngeal tumor morphology throughout the course of head and neck radiation therapy** *MEDICAL PHYSICS*

- Yock, A. D., Rao, A., Dong, L., Beadle, B. M., Garden, A. S., Kudchadker, R. J., Court, L. E.  
2014; 41 (8): 119-129
- **Disease control and toxicity outcomes using ruthenium eye plaque brachytherapy in the treatment of uveal melanoma.** *Practical radiation oncology*  
Takiar, V., Gombos, D. S., Mourtada, F., Rechner, L. A., Lawyer, A. A., Morrison, W. H., Garden, A. S., Beadle, B. M.  
2014; 4 (4): e189-94
  - **Clinical characteristics of patients with multiple potentially human papillomavirus-related malignancies** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Skinner, H. D., Sturgis, E. M., Klopp, A. H., Ang, K., Rosenthal, D. I., Garden, A. S., Morrison, W. H., Gunn, G. B., Beadle, B. M.  
2014; 36 (6): 819-825
  - **Predicting oropharyngeal tumor volume throughout the course of radiation therapy from pretreatment computed tomography data using general linear models** *MEDICAL PHYSICS*  
Yock, A. D., Rao, A., Dong, L., Beadle, B. M., Garden, A. S., Kudchadker, R. J., Court, L. E.  
2014; 41 (5)
  - **Beam path toxicity in candidate organs-at-risk: Assessment of radiation emetogenesis for patients receiving head and neck intensity modulated radiotherapy** *RADIOTHERAPY AND ONCOLOGY*  
Kocak-Uzel, E., Gunn, G. B., Colen, R. R., Kantor, M. E., Mohamed, A. S., Schoultz-Henley, S., Mavroidis, P., Frank, S. J., Garden, A. S., Beadle, B. M., Morrison, W. H., Phan, J., Rosenthal, et al  
2014; 111 (2): 281-288
  - **Improved Survival Using Intensity-Modulated Radiation Therapy in Head and Neck Cancers** *CANCER*  
Beadle, B. M., Liao, K., Elting, L. S., Buchholz, T. A., Ang, K. K., Garden, A. S., Guadagnolo, B. A.  
2014; 120 (5): 702-710
  - **Auto-segmentation of low-risk clinical target volume for head and neck radiation therapy.** *Practical radiation oncology*  
Yang, J., Beadle, B. M., Garden, A. S., Gunn, B., Rosenthal, D., Ang, K., Frank, S., Williamson, R., Balter, P., Court, L., Dong, L.  
2014; 4 (1): e31-7
  - **Eat and Exercise During Radiotherapy or Chemoradiotherapy for Pharyngeal Cancers Use It or Lose It** *JAMA OTOLARYNGOLOGY-HEAD & NECK SURGERY*  
Hutcheson, K. A., Bhayani, M. K., Beadle, B. M., Gold, K. A., Shinn, E. H., Lai, S. Y., Lewin, J.  
2013; 139 (11): 1127-1134
  - **Anisotropic Margin Expansions in 6 Anatomic Directions for Oropharyngeal Image Guided Radiation Therapy** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Yock, A. D., Garden, A. S., Court, L. E., Beadle, B. M., Zhang, L., Dong, L.  
2013; 87 (3): 596-601
  - **High symptom burden prior to radiation therapy for head and neck cancer: A patient-reported outcomes study** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Gunn, G. B., Mendoza, T. R., Fuller, C. D., Gning, I., Frank, S. J., Beadle, B. M., Hanna, E. Y., Lu, C., Cleeland, C. S., Rosenthal, D. I.  
2013; 35 (10): 1490-1498
  - **Residual nodal disease in patients with advanced-stage oropharyngeal squamous cell carcinoma treated with definitive radiation therapy and posttreatment neck dissection: Association with locoregional recurrence, distant metastasis, and decreased survival** *HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK*  
Sandulache, V. C., Ow, T. J., Daram, S. P., Hamilton, J., Skinner, H., Bell, D., Rosenthal, D. I., Beadle, B. M., Ang, K. K., Kies, M. S., Johnson, F. M., El-Naggar, A. K., Myers, et al  
2013; 35 (10): 1454-1460
  - **The impact of radiographic retropharyngeal adenopathy in oropharyngeal cancer** *CANCER*  
Gunn, G. B., Debnam, J. M., Fuller, C. D., Morrison, W. H., Frank, S. J., Beadle, B. M., Sturgis, E. M., Glisson, B. S., Phan, J., Rosenthal, D. I., Garden, A. S.  
2013; 119 (17): 3162-3169
  - **Prospective assessment of an atlas-based intervention combined with real-time software feedback in contouring lymph node levels and organs-at-risk in the head and neck: Quantitative assessment of conformance to expert delineation.** *Practical radiation oncology*  
Awan, M., Kalpathy-Cramer, J., Gunn, G. B., Beadle, B. M., Garden, A. S., Phan, J., Holliday, E., Jones, W. E., Maani, E., Patel, A., Choi, J., Clyburn, V., Tantiwongkosi, et al

2013; 3 (3): 186-193

- **Pilot study of a computed tomography-compatible shielded intracavitary brachytherapy applicator for treatment of cervical cancer.** *Practical radiation oncology*  
Klopp, A. H., Mourtada, F., Yu, Z. H., Beadle, B. M., Munsell, M. F., Jhingran, A., Eifel, P. J.  
2013; 3 (2): 115-123
- **Patterns of Disease Recurrence Following Treatment of Oropharyngeal Cancer With Intensity Modulated Radiation Therapy** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Garden, A. S., Dong, L., Morrison, W. H., Stugis, E. M., Glisson, B. S., Frank, S. J., Beadle, B. M., Gunn, G. B., Schwartz, D. L., Kies, M. S., Weber, R. S., Ang, K. K., Rosenthal, et al  
2013; 85 (4): 941-947
- **Outcomes and patterns of care of patients with locally advanced oropharyngeal carcinoma treated in the early 21st century** *RADIATION ONCOLOGY*  
Garden, A. S., Kies, M. S., Morrison, W. H., Weber, R. S., Frank, S. J., Glisson, B. S., Gunn, G. B., Beadle, B. M., Ang, K. K., Rosenthal, D. I., Sturgis, E. M.  
2013; 8
- **Oropharynx Cancer** *CURRENT PROBLEMS IN CANCER*  
Skinner, H. D., Holsinger, F. C., Beadle, B. M.  
2012; 36 (6): 334-415
- **Unilateral Radiotherapy for the Treatment of Tonsil Cancer** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Chronowski, G. M., Garden, A. S., Morrison, W. H., Frank, S. J., Schwartz, D. L., Shah, S. J., Beadle, B. M., Gunn, G. B., Kupferman, M. E., Ang, K. K., Rosenthal, D. I.  
2012; 83 (1): 204-209
- **Management of Radiation-Induced Severe Anophthalmic Socket Contracture in Patients With Uveal Melanoma** *OPHTHALMIC PLASTIC AND RECONSTRUCTIVE SURGERY*  
Nasser, Q. J., Gombos, D. S., Williams, M. D., Guadagnolo, B. A., Morrison, W. H., Garden, A. S., Beadle, B. M., Canseco, E., Esmaeli, B.  
2012; 28 (3): 208-212
- **TP53 Disruptive Mutations Lead to Head and Neck Cancer Treatment Failure through Inhibition of Radiation-Induced Senescence** *CLINICAL CANCER RESEARCH*  
Skinner, H. D., Sandulache, V. C., Ow, T. J., Meyn, R. E., Yordy, J. S., Beadle, B. M., Fitzgerald, A. L., Giri, U., Ang, K. K., Myers, J. N.  
2012; 18 (1): 290-300
- **The Impact of Age on Outcome in Early-Stage Breast Cancer** *SEMINARS IN RADIATION ONCOLOGY*  
Beadle, B. M., Woodward, W. A., Buchholz, T. A.  
2011; 21 (1): 26-34
- **PATTERNS OF REGIONAL RECURRENCE AFTER DEFINITIVE RADIOTHERAPY FOR CERVICAL CANCER** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Beadle, B. M., Jhingran, A., Yom, S. S., Ramirez, P. T., Eifel, P. J.  
2010; 76 (5): 1396-1403
- **RADIATION THERAPY FIELD EXTENT FOR ADJUVANT TREATMENT OF AXILLARY METASTASES FROM MALIGNANT MELANOMA** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Beadle, B. M., Guadagnolo, B. A., Ballo, M. T., Lee, J. E., Gershenwald, J. E., Cormier, J. N., Mansfield, P. F., Ross, M. I., Zagars, G. K.  
2009; 73 (5): 1376-1382
- **The Impact of Pregnancy on Breast Cancer Outcomes in Women <= 35 Years** *CANCER*  
Beadle, B. M., Woodward, W. A., Middleton, L. P., Tereffe, W., Strom, E. A., Litton, J. K., Meric-Bernstam, F., Theriault, R. L., Buchholz, T. A., Perkins, G. H.  
2009; 115 (6): 1174-1184
- **TEN-YEAR RECURRENCE RATES IN YOUNG WOMEN WITH BREAST CANCER BY LOCOREGIONAL TREATMENT APPROACH** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Beadle, B. M., Woodward, W. A., Tucker, S. L., Outlaw, E. D., Allen, P. K., Oh, J. L., Strom, E. A., Perkins, G. H., Tereffe, W., Yu, T., Meric-Bernstam, F., Litton, J. K., Buchholz, et al  
2009; 73 (3): 734-744
- **CERVIX REGRESSION AND MOTION DURING THE COURSE OF EXTERNAL BEAM CHEMORADIATION FOR CERVICAL CANCER** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*



Beadle, B. M., Jhingran, A., Salehpour, M., Sam, M., Iyer, R. B., Eifel, P. I.

2009; 73 (1): 235-241

● **Surgical patterns of care in operable lung carcinoma treated with radiation** *JOURNAL OF THORACIC ONCOLOGY*

Chang, J. Y., Moughan, J., Johnstone, D. W., Komaki, R., Goldberg, M., Langer, C. J., Beadle, B. M., Owen, J., Movsas, B.

2006; 1 (6): 526-531

● **Structural basis for imipenem inhibition of class C beta-lactamases** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*

Beadle, B. M., Shoichet, B. K.

2002; 46 (12): 3978-3980

● **Structural bases of stability-function tradeoffs in enzymes** *JOURNAL OF MOLECULAR BIOLOGY*

Beadle, B. M., Shoichet, B. K.

2002; 321 (2): 285-296

● **Structural milestones in the reaction pathway of an amide hydrolase: Substrate, acyl, and product complexes of cephalothin with AmpC beta-lactamase** *STRUCTURE*

Beadle, B. M., Trehan, I., Focia, P. J., Shoichet, B. K.

2002; 10 (3): 413-424

● **Inhibition of AmpC beta-lactamase through a destabilizing interaction in the active site** *BIOCHEMISTRY*

Trehan, I., Beadle, B. M., Shoichet, B. K.

2001; 40 (27): 7992-7999

● **Interaction energies between beta-lactam antibiotics and E-coli penicillin-binding protein 5 by reversible thermal denaturation** *PROTEIN SCIENCE*

Beadle, B. M., Nicholas, R. A., Shoichet, B. K.

2001; 10 (6): 1254-1259

● **Functional analyses of AmpC beta-lactamase through differential stability** *PROTEIN SCIENCE*

Beadle, B. M., McGovern, S. L., Patera, A., Shoichet, B. K.

1999; 8 (9): 1816-1824

● **Comparing the thermodynamic stabilities of a related thermophilic and mesophilic enzyme** *BIOCHEMISTRY*

Beadle, B. M., Baase, W. A., Wilson, D. B., Gilkes, N. R., Shoichet, B. K.

1999; 38 (8): 2570-2576