

University of Maryland Department of Radiation Oncology Medical Resident Publications Sample (Sept 2016 - April 2024)

1. **Alexander GS, Krc RF, Assif JW, Sun K, Molitoris JK, Tran P, Rana Z, Bentzen SM, Mishra MV.** Conditional Risks of Biochemical Failure and Prostate Cancer-Specific Death in Patients Undergoing External Beam Radiotherapy: A Secondary Analysis of 2 Randomized Clinical Trials. *JAMA Netw Open.* 2023 Sep 5;6(9):e2335069.
2. Alkhaldi H, Goloubeva O, Rapoport AP, Dahiya S, Pang Y, Ali MM, Hardy NM, **Mohindra P**, Bukhari A, Lutfi F, Sanchez-Petitto G, **Molitoris J, Samanta S**, Li X, Toth T, Landau M, Hodges S, Nishioka J, Ruehle K, Ridge L, Gahres N, Kocoglu MH, Atanackovic D, Malinou JN, Yared JA. Outcomes of busulfan, fludarabine, and 400 cgy total body irradiation compared with busulfan and fludarabine reduced-intensity conditioning regimens for allogeneic stem cell transplantation in adult patients with hematologic diseases: A single-center experience. *Transplant Proc.* 2023;55(1):214-224.
3. **Allen AJ**, Labella DA, Kowalchuk RO, Waters MR, Kersh CR. Effect of histology on stereotactic body radiotherapy for non-small cell lung cancer oligometastatic pulmonary lesions. *Transl Lung Cancer Res.* 2023 Jan 31;12(1):66-78. Epub 2023 Jan 16.
4. Asif S, Fatima R, **Krc R**, Bennett J, Raza S. Comparative proteogenomic characterization of glioblastoma. *CNS Oncol.* 2019 Jun;8(2):CNS37. Epub 2019 Jul 10.
5. Asif S, Fatima R, **Krc R**, Bennett J, Raza S. Comparative proteogenomic characterization of glioblastoma. *CNS Oncol.* 2019 Jun;8(2):CNS37. Epub 2019 Jul 10.
6. **Bazyar S**, Inscoe CR, Benefield T, Zhang L, Lu J, Zhou O, Lee YZ. Neurocognitive sparing of desktop microbeam irradiation. *Radiat Oncol.* 2017 Aug 11;12(1):127. **Bazyar S**, Inscoe CR, O'Brian ET, Zhou O, Lee YZ. Minibeam radiotherapy with small animal irradiators; in vitro and in vivo feasibility studies. *Phys Med Biol.* 2017 Nov 10;62(23):8924-8942.
7. **Bazyar S**, Mannuel H, **Tran PT.** Stereotactic ablative radiation therapy in metastatic prostate cancer. *Curr Opin Oncol.* 2024 May 1;36(3):180-185. Epub 2024 Feb 15.
8. **Bazyar S**, O'Brien ET 3rd, Benefield T, Roberts VR, Kumar RJ, Gupta GP, Zhou O, Lee YZ. Immune-Mediated Effects of Microplanar Radiotherapy with a Small Animal Irradiator. *Cancers (Basel).* 2021 Dec 29;14(1):155.
9. **Bazyar S**, Ramalho J, Eldeniz C, An H, Lee YZ. Comparison of Cerebral Blood Volume and Plasma Volume in Untreated Intracranial Tumors. *PLoS One.* 2016 Sep 1;11(9):e0161807.
10. **Bazyar S**, Sutera P, Deek MP, Marshall CH, **Tran PT.** Cell-free DNA sequencing sheds additional insights on BRCA-altered metastatic castration-resistant prostate cancer. *EBioMedicine.* 95:104756. Epub 2023 Aug 9.
11. **Brown MH**, Marcrom SR, Patel MP, Popple RA, Travis RL, McDonald AM, Riley KO, Markert JM, Willey CD, Bredel M, Fiveash JB, Thomas EM. Understanding the Effect of Prescription Isodose in Single-Fraction Stereotactic Radiosurgery on Plan Quality and Clinical Outcomes for Solid Brain Metastases. *Neurosurgery.* 2023 Dec 1;93(6):1313-1318. Epub 2023 Jul 14.

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12. **Cherng HR**, Qu M, Zafari Z, **Bentzen S**, Armstrong TS, Gondi V, Brown PD, Mehta M, **Mishra MV**. Evaluating the sensitivity of EQ-5D-5L in patients with brain metastases: a secondary analysis of NRG CC001. *J Natl Cancer Inst*. 2024 Jan 27:djae020. Epub ahead of print.
13. **Cherng HR**, Rice SR, Hamza M, Murali S, Rosenblatt P, Tkaczuk KHR, Bellavance E, **Cheston S**, Amin N, **Nichols E**. Patterns of failure in triple negative breast cancer patients in an urban, predominately black population. *J Racial Ethn Health Disparities*. 2020 Sept 4. Online ahead of print.
14. **Cherng HR**, **Sun K**, **Bentzen S**, Armstrong TS, Gondi V, Brown PD, Mehta M, **Mishra MV**. Evaluating the heterogeneity of hippocampal avoidant whole brain radiotherapy treatment effect: A secondary analysis of NRG CC001. *Neuro Oncol*. 2024 May 3;26(5):911-921.
15. **Hamza M**, **Rice S**, **Lamichhane N**, **Chen S**, Mohindra P. Conformal radiotherapy in patients with cardiovascular implantable electronic devices: Proposed practical implementation of the TG-203 Risk-Stratified Interrogation Schedule. *Pract Radiat Oncol*. 2021;11(4):e402-e414.
16. Kerans SJ, **Samanta S**, **Vyfhuis MAL**, **Guerrero M**, **Bang CK**, **Mishra MV**, **Rana Z**, **Amin PP**, **Kwok Y**, Naslund MJ, **Molitoris JK**. Racial analysis of clinical & biochemical outcomes in prostate cancer patients treated with low-dose-rate brachytherapy. *Int J Radiat Oncol Biol Phys*. 2022 Nov 3:S0360-3016(22)03474-5. Online ahead of print.
17. Kernagis DN, **Balcer-Kubiczek E**, **Bazyar S**, Orschell CM, Jackson IL. Medical countermeasures for the hematopoietic-subsyndrome of acute radiation syndrome in space. *Life Sci Space Res (Amst)*. 2022 Nov;35:36-43. Epub 2022 Jun 9.
18. Kowalski ES, Remick JS, **Sun K**, **Alexander GS**, Khairnar R, Morse E, **Cherng HR**, Berg LJ, **Poirier Y**, **Lamichhane N**, **Becker S**, **Chen S**, **Molitoris JK**, **Kwok Y**, **Regine WF**, **Mishra MV**. Immune checkpoint inhibition in patients treated with stereotactic radiation for brain metastases. *Radiat Oncol*. 2020 Oct 27;15(1):245.
19. Kowalski ES, Remick JS, **Sun K**, **Alexander GS**, Khairnar R, Morse E, **Cherng HR**, Berg LJ, **Poirier Y**, **Lamichhane N**, **Becker S**, **Chen S**, **Molitoris JK**, **Kwok Y**, **Regine WF**, **Mishra MV**. Immune checkpoint inhibition in patients treated with stereotactic radiation for brain metastases. *Radiat Oncol*. 2020 Oct 27;15(1):245.
20. **Krc RF**, Singh SA, Fang W, Weir JS. Photobiomodulation During Chemoradiation for Head and Neck Cancer: Effect on Mucositis, Weight Loss, and Feeding Tube Dependence. *Adv Radiat Oncol*. 2023 Mar 10;8(4):101216.
21. Kronfli D, **Savla B**, Lievers A, **Baker K**, **Eggleston C**, Miller R, **Bentzen SM**, Mohindra P, **Vyfhuis MAL**. Identifying Psychosocial Needs of Cancer Patients Undergoing Curative Radiation Therapy in an Inner-City Academic Center to Address Racial Disparities. *Int J Radiat Oncol Biol Phys*. 2022 Apr 28:S0360-3016(22)00315-7. Epub ahead of print.
22. **Mahmood J**, Zaveri SR, Murti SC, **Alexander AA**, Connors CQ, **Shukla HD**, Vujaskovic Z. Caveolin-1: a novel prognostic biomarker of radioresistance in cancer. *Int J Radiat Biol*. 2016 Dec;92(12):747-753. Epub 2016 Sep 13.
23. Orekoya AA, Abdus-Salam AA, Oyeseun AR, Ntekim AI, Folasire AM, Okolo CA, **Olabumuyi AA**, Dada AA, Adenipekun AA. EGFR and HER2 expression in cervical cancer patients in Ibadan, Nigeria. *Ecancermedicalscience*. 2023 Oct 2;17:1607.

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24. Pati S, Baid U, Edwards B,...**Alexander GS**,... Menze B, Barnholtz-Sloan JS, Martin J, Bakas S. Federated learning enables big data for rare cancer boundary detection. *Nat Commun.* 2022 Dec 5;13(1):7346.
25. **Pollock AE**, Arons D, **Alexander GS**, **Alicia D**, **Birkman KM**, **Molitoris JK**, Mehra R, Cullen KJ, Hatten KM, Taylor RJ, Wolf JS, **Regine WF**, Witek ME. Gross tumor volume margin and local control in p16-positive oropharynx cancer patients treated with intensity modulated proton therapy. *Head Neck.* 2023 Feb 25. Online ahead of print.
26. **Pollock AE**, Risher H, Berger M, Roque DM, Rao G, **Nichols EM**, **Mohindra P**. Clinical outcomes of intensity modulated proton therapy reirradiation for gynecologic malignancies. *Adv Radiat Oncol.* 2023 Feb 25;8(4):101191. eCollection 2023 Jul-Aug.
27. **Remick JS**, **Kowalski E**, Khairnar R, Sun K, Morse E, **Cherng HR**, Poirier Y, Lamichhane N, Becker SJ, Chen S, Patel AN, Kwok Y, Nichols E, Mohindra P, Woodworth GF, Regine WF, Mishra MV. A Multi-Center Analysis of Single-Fraction Versus Hypofractionated Stereotactic Radiosurgery for the Treatment of Brain Metastasis. *Radiat Oncol.* 2020 May 28.
28. **Savla B**, **Hamza MA**, Yacubovich D, Cobbs S, Petrovska L, Scilla KA, Burrows W, Mehra R, Miller RC, Rolfo C, **Bentzen SM**, Mohindra P, **Vyfhuis MAL**. The Effect of Body Mass Index and Residence in Food Priority Areas on Patterns-of-Care and Cancer Outcomes in Patients With Stage III Non-Small Cell Lung Cancer. *Int J Radiat Oncol Biol Phys.* 2023 May 1;116(1):50-59. Epub 2023 Jan 28.
29. **Siddiqui OM**, **Savla B**, Chowdhary M, **McAvoy S**, **Mishra M**. From Beaming Cancer to Beaming Parent: Paternity Leave Experiences in Radiation Oncology. *Int J Radiat Oncol Biol Phys.* 2022 Apr 29;S0360-3016(22)00359-5. Epub ahead of print.
30. Singh SA, Dahshan B, **Krc RF**, McDermott DM, Jacobson GM. Radiographic and Tumor Biomarker Response to Radiotherapy for Recurrent Granulosa Cell Tumor of the Ovary. *Cureus.* 2021 Feb 5;13(2):e13154.
31. Taylor SI, **Cherng HR**, Shahidzadeh Yazdi Z, Montasser ME, Whitlatch HB, Mitchell BD, Shuldiner AR, Streeten EA, Beitelshes AL. Pharmacogenetics of sodium-glucose co-transporter-2 inhibitors: Validation of a sex-agnostic pharmacodynamic biomarker. *Diabetes Obes Metab.* 2023 Dec;25(12):3512-3520. Epub 2023 Aug 22.
32. Witek ME, Morris CG, **Alexander GS**, Dontu P, **Koroulakis AI**, **Regine WF**, Mendenhall WM. Multi-institutional study of clinical outcomes of patients with head and neck cancer presenting with cN3 disease. *Head Neck.* 2023 Feb 28. Online ahead of print.
33. **Zarinshenas R**, Campbell P, **Sun K**, **Molitoris JK**, Patel AN, Witek ME, Cullen KJ, Mehra R, Hatten KM, Moyer KF, Taylor RJ, Vakharia KT, Wolf JS, **Ferris MJ**. Disease and toxicity outcomes for a modern cohort of patients with squamous cell carcinoma of cutaneous origin involving the parotid gland: Comparison of volumetric modulated arc therapy and pencil beam scanning proton therapy. *Radiother Oncol.* 2024 Apr;193:110112. Epub 2024 Feb 1.