University of Maryland Department of Radiation Oncology

Resident Publications, Academic Year 2026 (July 2025-June 2026)

1. **Allen AJ, Savla B, Datnow-Martinez C, Mendes W,** Kamran SC, Ambs S, **Keepers Z, Eggleston C,** Baker K, **Molitoris JK, Ferris MJ, Patel AN, Rana ZH, Kunaprayoon D, Hong JJ, Benda RK, Citron WK,** Davicioni E, **Mishra MV, Bentzen SM,** Owonikoko TK, **Regine WF, Kwok Y, Tran PT, Vyfhuis MAL.** Impact of a precision medicine navigator on genomic test utilization in black patients with prostate cancer. *JCO Oncol Pract*. 2026 Mar 3:OP2500983. Ahead of print.
2. Baniel CC, Klebaner D, Waeldner K, Wang K, **Huang K,** Corriher T, Saripalli A, Ponce SB, Bhatia R, Schuster J, Paradis KC. Project PARENT: A family leave database for US radiation oncology and medical physics residency programs. *Pract Radiat Oncol*. 2026 Mar 12:S1879-8500(26)00068-8. Online ahead of print.
3. **Biswal NC, Cherng HR, Parchur AK, Zhang B, Alicia D, Manuel E, Sun K, Yi B, Ferris MJ, Rana Z.** Predictive dosimetric parameters for adaptive replanning in proton beam therapy for thoracic cancer. *Med Dosim*. 2026 Jul 4:S0958-3947(26)00050-6. Online ahead of print.
4. **Brown MH, Cherng HR, Assif JW, Sun K, Mishra MV**. Conditional survival estimates for malignant glioma Patients: Secondary analysis of RTOG 9006. *Am J Clin Oncol*. 2026 Mar 19. Online ahead of print.
5. **Cherng HR, Sun K, Bentzen SM**, Brown PD, Armstrong TS, Palmer JD, Gondi V, Mehta MP, **Mishra MV**. Redefining neurocognitive outcomes after radiation for brain metastases: A patient-level meta-analysis of recovery following initial decline. *J Natl Cancer Inst*. 2025 Oct 22:djaf264. Online.
6. **Deng W, Han D, Byrne KE, Bhandary B, Jiang K, Poirier YP, Mossahebi S, Xu J, Shukla H, Sawant A**. Enable preclinical, high-precision image-guided radiotherapy research with a stand-alone small animal IGRT system. *Med Phys*. 2026 Apr;53(4):e70426.
7. **Huang K, Wang K, Schrum A, Kusmaul E, Fisler E, Guerrero M.** Development and clinical deployment of an automated planning tool for prostate only and male whole pelvis plans based on multi-criteria optimization. *J Appl Clin Med Phys*. 2026 May;27(5):e70598.
8. Jiang C, **Hoover T,** Baron J, Han X, Li B, Gao Y, Kim M, Hubbeling H, Chong EA, Carter J, Svoboda J, Schuster SJ, Landsburg DJ, Nasta SD, Plastaras J, LaRiviere M. Long term results of proton therapy in adult infradiaphragmatic lymphoma. *Int J Part Ther*. 2026 Feb 7;19:101304. eCollection 2026 Mar.
9. **Moradmand H, Molitoris J,** Ling X, Schumaker L, Allor E, Thomas H, **Arons D, Ferris M**, **Krc R, Mendes WS, Tran P, Sawant A,** Mehra R, Gaykalova DA, **Ren L**. Graph feature selection for enhancing radiomic stability and reproducibility across multiple institutions in head and neck cancer. *Sci Rep*. 2025 Jul 31;15(1):27995.
10. Peters S, O'Donovan A, Bellini M, Caissie A, Coffey M, Dabach A, Delaney GP, Fischer PE, Frenken G, Liszewski B, Maingon P, Messens E, Perryck S, **Zhang B,** Reijnders-Thijssen P. ESTRO framework for radiation oncology departments to mitigate against cyberattacks. *Radiother Oncol*. 2025 Nov 24;214:111305. Online ahead of print.
11. Sutera P, Van der Eecken K, Song Y, Shetty AC, Davicioni E, Proudfoot JA, Hakansson A, English K, Wang J, Guler OC, **Bazyar S,** Verbeke S, Van Dorpe J, Fonteyne V, De Laere B, Hathout L, Ennis R, Jabbour SK, Saraiya B, Stephenson R, Mayer T, **Mishra M, Rana Z, Molitoris J,** Kiess A, Song DY, DeWeese T, Pienta KJ, **Tran PT,** Berlin A, Onal C, Ost P, Deek MP. Genomic predictors of response to metastasis-directed therapy with or without androgen deprivation therapy. *Eur Urol Oncol*. 2025 Sep 20:S2588-9311(25)00199-3. Online ahead of print.