

**Department of Radiation Oncology**  
**Peer-Reviewed Publications, July 1, 2019, through June 30, 2020**

1. Abbotts R, Topper MJ, Biondi C, Fontaine D, Goswami R, **Stojanovic L**, Choi EY, **McLaughlin L**, Kogan AA, Xia L, Lapidus R, **Mahmood J**, Baylin SB, **Rassool FV**. DNA methyltransferase inhibitors induce a BRCAness phenotype that sensitizes NSCLC to PARP inhibitor and ionizing radiation. *Proc Natl Acad Sci U S A*. 2019;116(45):22609–22618.
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3. Adiga R, Andar A, Borhani S, Burgenson D, Deldari S, Frey D, Ge X, Gurramkonda C, Gutierrez E, **Jackson IL**, Kostov Y, Liu Y, **Newman D**, Piegols J, Punshon-Smith B, Rao G, Tolosa L, Tolosa M, **Vujaskovic Z**, **Wagner C**, Wong L, **Zodda A**. Manufacturing biological medicines on demand: Safety and efficacy of granulocyte colony-stimulating factor in a mouse model of total body irradiation. *Biotechnol Prog*. 2020;36(3):e2970
4. **Anvari A**, **Modiri A**, Pandita R, **Mahmood J**, **Sawant A**. On-line dose delivery verification in small animal image-guided radiotherapy. *Med Phys*. 2020;47(4):1871–1879.
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6. Badiyan S, **Kaiser A**, Eastman B, Forsthoefel M, Zeng J, Unger K, Chuong M. Immunotherapy and radiation therapy for gastrointestinal malignancies: Hope or hype? *Transl Gastroenterol Hepatol*. 2020;5:21.
7. Balachunas AJ, Cabanas R, **Zakhary MJ**, Gibaud T, Fraden S, Sharma P, Hagan MF, Dogic Z. Equation of state of colloidal membranes. *Soft Matter*. 2019;15:6791–6802.
8. **Becker SJ**, Culberson WS, **Poirier Y**, Mutaf Y, Niu Y, **Nichols EM**, **Yi B**. Dosimetry evaluation of the GammaPod stereotactic radiosurgery device based on established AAPM and IAEA protocols. *Med Phys*. 2020 Apr 24 [Online ahead of print].
9. **Becker SJ**, Niu Y, Mutaf Y, **Chen S**, **Poirier Y**, **Nichols EM**, **Yi B**. Development and validation of a comprehensive patient-specific quality assurance program for a novel stereotactic radiation delivery system for breast lesions. *J Appl Clin Med Phys*. 2019;20(12):138–148.
10. **Becker SJ**, **Sabouri P**, Niu Y, **Prado K**, **Chen S**, **Nichols E**, **Yi BY**. Commissioning and acceptance guide for the GammaPod. *Phys Med Biol*. 2019;64(20):205021.
11. Bekelman JE, Lu H, Pugh S, **Baker K**, Berg CD, de Gonzalez AB, Braunstein LZ, Bosch W, Chauhan C, Ellenberg S, Fang LC, Freedman GM, Hahn EA, Haffty BG, Khan AJ, Jimenez RB, Kesslering C, Ky B, Lee C, Lu HM, **Mishra MV**, Mullins CD, Mutter RW, Nagda S, Pankuch M, Powell SN, Prior FW, Schupak K, Taghian AG, Wilkinson JB, MacDonald SM, Cahlon O; RadComp (Radiotherapy Comparative Effectiveness

- Consortium). Pragmatic randomised clinical trial of proton versus photon therapy for patients with non-metastatic breast cancer: The Radiotherapy Comparative Effectiveness (RadComp) Consortium trial protocol. *BMJ Open*. 2019;9(10):e025556.
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#### **Book Chapters, July 1, 2019, through June 30, 2020**

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