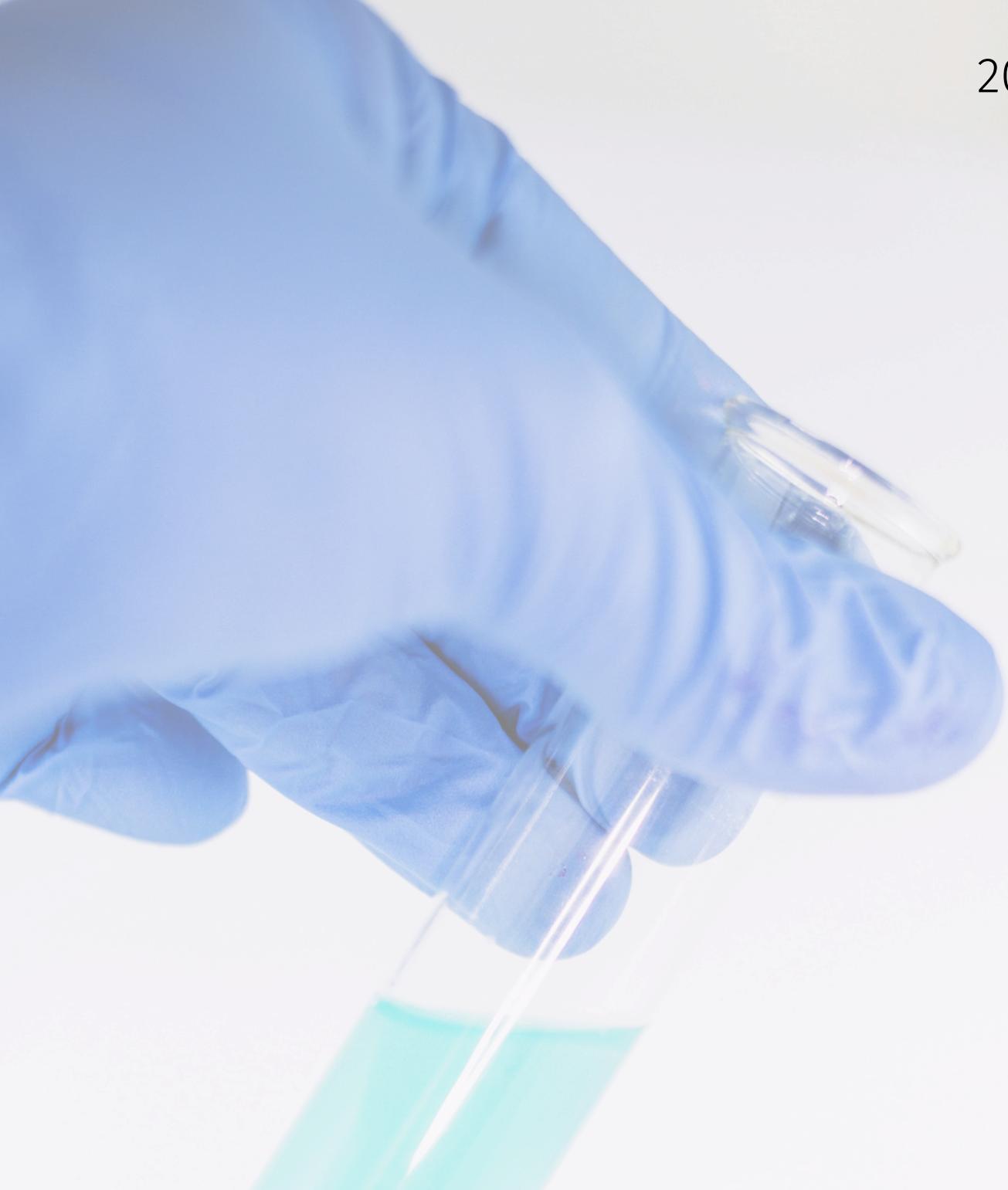
2021-2026



Trainee Publications

Department of Radiation Oncology
Sidney Kimmel Comprehensive Cancer Center
Thomas Jefferson University

Jefferson
HOME OF SIDNEY KIMMEL MEDICAL COLLEGE

Department of Radiation Oncology Residency Program



Adam P. Dicker, MD, PhD
Enterprise Senior VP,
Chair and Professor,
Dept. of Radiation Oncology
Director, Jefferson Institute
for Digital Health and AI



Jessie Dinome, MD
Clinical Assistant Professor of
Radiation Oncology
Director, Radiation Oncology
Residency Program and Medical
Student Clerkships

The Department of Radiation Oncology offers a dynamic and comprehensive residency program. As a hospital-based service with a major academic role within the medical college, our department considers resident training its most important academic function.

Resident physicians complete our training program as highly capable medical professionals, prepared for their American Board of Radiology (Radiation Oncology) certification examinations and are more than ready to competently practice radiation oncology without supervision. They achieve this status under the guidance of staff radiation oncologists and medical physicists.

Every day attending physicians and residents engage in one-to-one teaching and learning through carefully structured academics and hands-on experience with a high volume of patients from a population experiencing a broad range of cancers.

Our department's radiation program for cancer is one of the largest in the Delaware Valley, treating approximately 100 patients daily at Thomas Jefferson University Hospital facilities and approximately 60 patients at each of our affiliated facilities: Jefferson Torresdale Hospital, Asplundh Cancer Pavilion, Jefferson Health New Jersey, Jefferson Einstein Health, and Jefferson Lehigh Valley, totaling about 80,000 radiation therapy treatments annually.

The multi-disciplinary programs coordinated through Jefferson's Sidney Kimmel Comprehensive Cancer Center, and predominantly housed at the Bodine Center for Cancer Treatment, continue to expand. Currently, we run multidisciplinary clinics in genitourinary, thoracic, sarcomas, liver tumors, as well as central nervous system tumors. In addition, several multidisciplinary conferences take place each week.

To further expand our residents' exposure, the department has established rotations in pediatric radiation oncology at St. Jude Children's Research Hospital in Memphis, TN, and a Cyberknife/LDR prostate brachytherapy rotation at ChristianaCare in Newark, DE. Our residents also rotate at our Jefferson Torresdale Hospital and Asplundh Cancer Pavilion locations. The residents who have completed these rotations have had outstanding clinical experiences.

Today, technological upgrades are significantly changing our treatment planning and delivery. Jefferson staff and residents selectively analyze the relative benefits of these new tools so that we can advise our colleagues and community.

Our department is also rich in research experience and activity. Residents interested in research are sure to gain involvement in clinical, translational, or basic science research projects. Together with the faculty, our residents have a long tradition of presentations at national meetings and peer-reviewed publications. Learning also comes from experienced oncology nurses, technical staff, and scientists in our department and throughout the university.

Trainees (2021-2026)



Benjamin Greenberger, MD
Attending Physician
Memorial Healthcare System



Ayesha Ali, MD
Attending Physician
Lancaster General Hospital



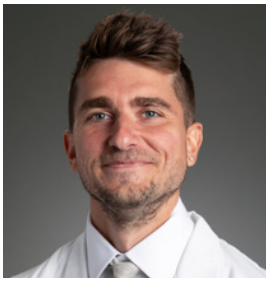
Muneeb Niazi, DO
Assistant Professor
University of Washington



Olga Russial, DO, MBA
Attending Physician
Cleveland Clinic



Christian Fernandez, MD
Attending Physician
Cook County Hospital



Ryan Miller, MD
Attending Physician
Kaiser Permanente



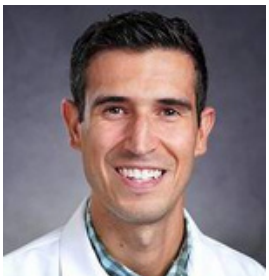
Louis Cappelli, DO, MBA
Attending Physician
Geisinger Health



Nilanjan Haldar, MD
Attending Physician
Barrow Neurological Institute



Victor Chen, MD, MPH
Assistant Professor
University of California
San Francisco



Joseph Lombardo, DO, PharmD
Attending Physician
MD Anderson Cancer
Center at Cooper



Talya Laufer, MD
The Johns Hopkins University



James Taylor, MD, MPH
Attending Physician, Northeast
Georgia Physicians Group

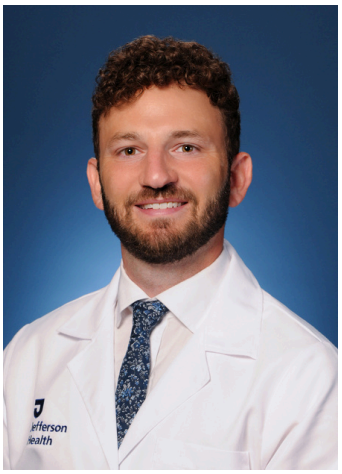


Omoruyi Credit Irabor, MD, MPH
Attending Physician
Central Care Cancer Center



Spencer Poiset, MD
Attending Physician
MD Anderson Cancer
Center at Cooper

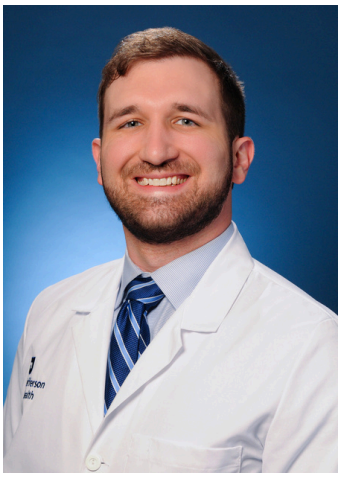
Current Trainees



Adam Katzenberg, DO, MBA
PGY-5 Resident
Co-Chief Resident



LaToya McLean, MD
PGY-5 Resident
Co-Chief Resident



Raleigh Anderson, MD
PGY-4 Resident



Abhrarup Roy, MD
PGY-4 Resident



Robert Walker, MD, MS
PGY-4 Resident



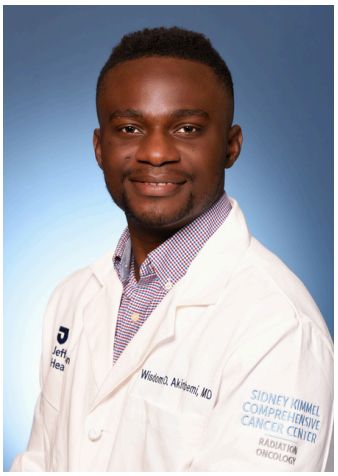
Janet Arras, MD
PGY-3 Resident



Neil Mookerjee, MD
PGY-3 Resident



Sanjana Pratti, DO
PGY-3 Resident



Wisdom Akingbemi, MD
PGY-2 Resident



Kelsey Sarmiento, MD
PGY-2 Resident

Publications

Names in **bold** denote a trainee in the Department of Radiation Oncology

Fernandez C, Lopez BL, Kushner M, Leiby BE, Den RB: Overemphasis of Step 1 Scores May Affect Application Pool Diversity in Radiation Oncology. Pract Radiat Oncol. 2019 Jul 29. pii: S1879-8500(19)30203-6. doi: 10.1016/j.prro.2019.07.009. [Epub ahead of print] PMID: 31369886

Chen VE, Greenberger BA, Taylor JM, Lu B: Key immune system markers in immunotherapy: absolute lymphocyte count, neutrophil to lymphocyte ratio, and alternative immune system metrics. Ther Radiol Oncol 2019;3:33.

Arina A, Beckett M, **Fernandez C**, Zheng W, Pitroda S, Chmura SJ, Luke JJ, Forde M, Hou Y, Burnette B, Mauceri H, Lowy I, Sims T, Khodarev N, Fu YX, Weichselbaum RR: Tumor-reprogrammed resident T cells resist radiation to control tumors. Nat Commun. 2019 Sep 2;10(1):3959. doi: 10.1038/s41467-019-11906-2. PMID: 31477729

Chen VE, Greenberger BA, Shi Z, Gajjar S, Shi W, Mourad WF, Yan W: Post-mastectomy and post-breast conservation surgery pain syndrome: a review of etiologies, risk prediction, and trends in management. Transl Cancer Res 2019. doi: 10.21037/tcr.2019.06.46

Fernandez C, Papanagnou D, Kushner M, Leiby B, Den RB: Feasibility and Impact of Emotional Intelligence Evaluation in Radiation Oncology Residency Interviews. J Am Coll Radiol. 2019 Oct 19. pii:S1546-1440(19)31179-2. doi: 10.1016/j.jacr.2019.09.011. [Epub ahead of print] PMID: 31639361

Greenberger B: Comparison of Radical Prostatectomy versus Radiation and Androgen Deprivation Therapy Strategies as Primary Treatment for High-Risk Localized Prostate Cancer: a Systematic Review and Meta-analysis. Manuscript accepted for publication, European Urology Focus.

Greenberger B, Chen V, Den R: Combined Modality Therapies for High Risk Prostate Cancer: Narrative Review of Current Understanding and New Directions. Manuscript accepted for publication, Frontiers in Oncology.

Fernandez C, Grills IS, Ye H, Hope AJ, Guckenberger M, Mantel F, Kestin LL, Belderbos J, Werner-Wasik M: Stereotactic image-guided lung radiotherapy (SBRT) for clinical early-stage NSCLC: A long-term report from a multi-institutional database of patients treated with or without a pathologic diagnosis. Pract Radiat Oncol. 2019 Dec 11. pii: S1879-8500(19)30367-4. doi: 10.1016/j.prro.2019.12.003. [Epub ahead of print]

Fernandez C, Corbin KC, Golden DW: The Radiation Oncology "Medical Educator" Career Path. Int J Radiat Oncol Biol Phys. 2020 Jan 1;106(1):50-51. doi: 10.1016/j.ijrobp.2019.10.035. No abstract available. PMID: 31836089

Greenberger BA, Taylor JM, Chen VE, Den RB: Comparing Radiotherapy to Prostatectomy for High-Risk Prostate Cancer: A Narrative Review of Mortality and Quality-of-Life Outcomes. Cancer J. 2020 Jan/Feb;26(1):29-37. doi: 10.1097/PPO.0000000000000420. PMID: 31977382.

Greenberger BA, Yock TI: The role of proton therapy in pediatric malignancies: Recent advances and future directions. Semin Oncol. 2020 Feb 21. pii: S0093-7754(20)30002-6. doi: 10.1053/j.seminoncol.2020.02.002. [Epub ahead of print] Review. PMID: 32139101

Taylor JM, Rusthoven CG, Moghanaki D: Prophylactic cranial irradiation or MRI surveillance for extensive stage small cell lung cancer. J Thorac Dis 2020. doi: 10.21037/jtd.2020.03.80. PMID: 33209461

Chen VE, Greenberger BA, Taylor JM, Edelman MJ, Lu B: The Underappreciated Role of the Humoral Immune System and B Cells in Tumorigenesis and Cancer Therapeutics: A Review. Int J Radiat Oncol Biol Phys. 2020 Apr 3. pii: S0360-3016(20)30950-0. doi: 10.1016/j.ijrobp.2020.03.022. [Epub ahead of print] PMID: 32251756

Song A, Manukian G, Taylor A, Anne PR, Simone NL: Concerns for activated breathing control (ABC) with breast cancer in the era of COVID-19: Maximizing infection control while minimizing heart dose. Adv Radiat Oncol. 2020 Apr 1. doi: 10.1016/j.adro.2020.03.009. [Epub ahead of print] No abstract available. PMID: 32292838

Lombardo J, Simone N: Care of Transgender Persons. N Engl J Med. 2020 Apr 9;382(15):1481. doi: 10.1056/NEJMc2000825. No abstract available. PMID: 32268037

Fernandez C, Savard C, Farrell C, Shi W: Successful stereotactic radiotherapy of meningiomas in a patient with Cowden syndrome: a case report. Chin Clin Oncol. 2020 Apr 24. pii: cco.2020.03.04. doi: 10.21037/cco.2020.03.04. [Epub ahead of print] PMID: 32312055

Ali AS, Chen VE, Zurlo C, **Taylor JM**, Fernandez C, Shi W: Target treatment with stereotactic radiation for recurrent gliomas. Chin Clin Oncol. 2020 Apr 28. pii: cco.2020.03.05. doi: 10.21037/cco.2020.03.05. [Epub ahead of print] PMID: 32389000

Thakur S, Doshi J, Pati S, Rathore S, Sako C, Bilello M, Ha SM, Shukla G, Flanders A, Kotrotsou A, Milchenko M, Liem S, Alexander GS, **Lombardo J**, Palmer JD, LaMontagne P, Nazeri A, Talbar S, Kulkarni U, Marcus D, Colen R, Davatzikos C, Erus G, Bakas S: Brain extraction on MRI scans in presence of diffuse glioma: Multi-institutional performance evaluation of deep learning methods and robust modality-agnostic training. Neuroimage. 2020 Jun 27;220:117081. doi:10.1016/j.neuroimage.2020.117081. Online ahead of print. PMID: 32603860

Taylor JM, Song A, David AR, **Chen VE**, Lu B, Werner-Wasik M: Impact of Sarcopenia on Survival in Patients With Early-Stage Lung Cancer Treated With Stereotactic Body Radiation Therapy. Cureus. 2020 Sep 29;12(9):e10712. doi: 10.7759/cureus.10712. PMID: 33014666

Fernandez C, Croke J, Alfieri J, Golden D: A guide to curriculum inquiry for brachytherapy simulation-based medical education. Brachytherapy. 21 October 2020. https://doi.org/10.1016/j.brachy.2020.08.001. PMID: 34756355

Taylor JM, Chen VE, Miller RC, Greenberger BA: The Impact of Prostate Cancer Treatment on Quality of Life: A Narrative Review with a Focus on Randomized Data. Res Rep Urol. 2020 Oct 29;12:533-546. doi: 10.2147/RRU.S243088. eCollection 2020. PMID: 33150144

Fernandez C, Cappelli L, Chapin S, Kenyon L, Farrell CJ, Shi W: Breast carcinoma metastasis in a resected meningioma with early diagnosis of oligometastatic disease: a case report. Chin Clin Oncol. 2020 Oct;9(5):71. doi: 10.21037/cco-20-122. PMID: 33161726

Smith AW, **Greenberger BA**, Den RB, Stock RG: Radiopharmaceuticals for Bone Metastases. Semin Radiat Oncol. 2021 Jan;31(1):45-59. doi: 10.1016/j.semradonc.2020.07.005. PMID: 33246636

Fernandez C, Hoeltzel G, Werner-Wasik M, Kenyon LC, Shi W: Definitive radiotherapy for meningeal brainstem melanocytoma: a case report. Br J Neurosurg. 2020 Dec 26:1-4. doi:10.1080/02688697.2020.1864291. Online ahead of print. PMID: 33356599

Nelson BA, Lapen K, Schultz O, Nangachiveettil J, Braunstein SE, **Fernandez C,** Fields EC, Gunther JR, Jeans E, Jimenez RB, Kharofa JR, Laucis A, Yechieli RL, Gillespie EF, Golden DW: The Radiation Oncology Education Collaborative Study Group 2020 Spring Symposium: Is Virtual the New Reality? Int J Radiat Oncol Biol Phys. 2020 Dec 26:S0360-3016(20)34691-5. doi: 10.1016/j.ijrobp.2020.12.026. Online ahead of print. PMID: 33373657

Chen VE, Lombardo JF, Castaneda SA, Winkfield KM, Fisher SA, Gressen EL, Rudoler SB, Yan W, Gajjar SR: Disparities in Lung Cancer for Black Patients in the US: An Overview of Contributing Factors and Potential Strategies. Appl Rad Oncol. 2020;9(4):16-20.

Taylor JM, Dasgeb B, Liem S, **Ali A,** Harrison A, Finkelstein M, Cha J, Anne R, Greenbaum S, Sherwin W, Shi W: High-Dose-Rate Brachytherapy for the Treatment of Basal and Squamous Cell Carcinomas on Sensitive Areas of the Face: A Report of Clinical Outcomes and Acute and Subacute Toxicities. Adv Radiat Oncol. 2020 Dec 16;6(2):100616. doi: 10.1016/j.adro.2020.10.028. eCollection 2021 Mar-Apr. PMID: 33912732

Fernandez C, Forrest P, Sivalingam M, Milman T, Ramesh S, Shi W: Exenteration and Adjuvant Radiotherapy for Primary Carcinosarcoma of the Orbit: A Case Report. Ophthalmic Plast Reconstr Surg. 2021 Jan 19. doi: 10.1097/IOP.0000000000001911. Online ahead of print. PMID: 33481539

Taylor JM, Song A, Nowak K, Dan T, Simone B, Harrison A, Doyle L, Lockamy V, Anne P, Simone N: Dosimetric Comparisons of Simulation Techniques for Left-Sided Breast Cancer in the COVID-19 Era: Techniques to Reduce Viral Transmission and Respect the Therapeutic Ratio. Cureus. 2021 Feb 15;13(2):e13354. doi: 10.7759/cureus.13354. PMID: 33747655

Greenberger BA, Werner-Wasik M: Stupp the Wolf. Int J Radiat Oncol Biol Phys. 2021 Apr 1;109(5):1140-1141. doi: 10.1016/j.ijrobp.2020.07.2319. PMID: 33714524

Mandigo AC, Yuan W, Xu K, Gallagher P, Pang A, Guan YF, Shafi AA, Thangavel C, Sheehan B, Bogdan D, Paschalis A, McCann JJ, **Laufer TS**, Gordon N, Vasilevskaya IA, Dylgjeri E, Chand SN, Schiewer MJ, Domingo-Domenech J, Den RB, Holst J, McCue PA, de Bono JS, McNair C, Knudsen KE: RB/E2F1 as a Master Regulator of Cancer Cell Metabolism in Advanced Disease. Cancer Discov. 2021 Sep;11(9):2334-2353. doi: 10.1158/2159-8290.CD-20-1114. Epub 2021 Apr 20. PMID: 33879449

Schelin ME, Liu H, **Ali A**, Shi W, Yu Y, Mooney KE: Dosimetric comparison of Gamma Knife® IconTM and linear accelerator-based fractionated stereotactic radiotherapy (FSRT) plans for the re-irradiation of large (>14 cm3) recurrent glioblastomas. J Radiosurg SBRT. 2021;7(3):233-243. PMID: 33898087

Taylor JM, Dasgeb B, Liem S, **Ali A**, Harrison A, Finkelstein M, Cha J, Anne R, Greenbaum S, Sherwin W, Shi W: High-Dose-Rate Brachytherapy for the Treatment of Basal and Squamous Cell Carcinomas on Sensitive Areas of the Face: A Report of Clinical Outcomes and Acute and Subacute Toxicities. Adv Radiat Oncol. 2020 Dec 16;6(2):100616. doi: 10.1016/j.adro.2020.10.028. eCollection 2021 Mar-Apr. PMID: 33912732

Miller RC, Simone BA, **Lombardo JF**, **Taylor J**, Nowak-Choi K, Ko K, Ferguson L, Donnelly A, **Ali AS**, Shi W, Dicker AP, Simone NL: A Pilot Trial Using Telemedicine in Radiation Oncology: The Future of Health Care Is Virtual. Telemed Rep. 2021 Jun 14;2(1):171-178. doi: 10.1089/tmr.2021.0007. eCollection 2021. PMID: 34250522

Khanna O, Fathi Kazerooni A, Farrell CJ, Baldassari MP, Alexander TD, Karsy M, **Greenberger BA**, Garcia JA, Sako C, Evans JJ, Judy KD, Andrews DW, Flanders AE, Sharan AD, Dicker AP, Shi W, Davatzikos C: Machine Learning Using Multiparametric Magnetic Resonance Imaging Radiomic Feature Analysis to Predict Ki-67 in World Health Organization Grade I Meningiomas. Neurosurgery. 2021 Aug 30:nyab307. doi: 10.1093/neuros/nyab307. Online ahead of print. PMID: 34460921

Bounias D, Singh A, Bakas S, Pati S, Rathore S, Akbari H, Bilello M, **Greenberger BA, Lombardo J**, Chitalia RD, Jahani N, Gastounioti A, Hershman M, Roshkovan L, Katz SI, Yousefi B, Lou C, Simpson AL, Do RKG, Shinohara RT, Kontos D, Nikita K, Davatzikos C: Interactive Machine Learning-Based Multi-Label Segmentation of Solid Tumors and Organs. Appl Sci (Basel). 2021 Aug 2;11(16):7488. doi: 10.3390/app11167488. Epub 2021 Aug 15. PMID: 34621541

Mandigo AC, Shafi AA, McCann JJ, Yuan W, **Laufer TS**, Bogdan D, Gallagher L, Dylgjeri E, Semenova G, Vasilevskaya IA, Schiewer MJ, McNair C, de Bono JS, Knudsen KE: Novel oncogenic transcription factor cooperation in RB-deficient cancer. Cancer Res. 2021 Oct 8:canres.1159.2021. doi: 10.1158/0008-5472.CAN-21-1159. Online ahead of print. PMID: 34625422

Haldar N, Fernandez C, Evans NR 3rd, Werner-Wasik M: Conservatively Managed Chronic Bronchopleural Fistula After Lung Cancer Tri-Modality Therapy: A Case Report. Adv Radiat Oncol. 2021 Sep 29;7(1):100811. doi: 10.1016/j.adro.2021.100811. eCollection 2022 Jan-Feb. PMID: 34761140

Lombardo J, Ko K, Shimada A, Nelson N, Wright C, Chen J, Maity A, Ruggiero ML, Richard S, Papanagnou D, Mitchell E, Leader A, Simone NL: Perceptions of and barriers to cancer screening by the sexual and gender minority community: a glimpse into the health care disparity. Cancer Causes Control. 2022 Apr;33(4):559-582. doi: 10.1007/s10552-021-01549-4. Epub 2022 Jan 4. PMID: 34984592

Shastri AA, **Lombardo J**, Okere SC, Higgins S, Smith BC, DeAngelis T, Palagani A, Hines K, Monti DA, Volpe S, Mitchell EP, Simone NL: Personalized Nutrition as a Key Contributor to Improving Radiation Response in Breast Cancer. Int J Mol Sci. 2021 Dec 24;23(1):175. doi: 10.3390/ijms23010175. PMID: 35008602

Nelson N, **Lombardo J**, Matlack L, Smith A, Hines K, Shi W, Simone NL: Chronoradiobiology of Breast Cancer: The Time Is Now to Link Circadian Rhythm and Radiation Biology. Int J Mol Sci. 2022 Jan 25;23(3):1331. doi: 10.3390/ijms23031331. PMID: 35163264

Cappelli L, Poiset S, Greenberger B, Bar-Ad V: Thermoplastic Mask-Induced Contact Dermatitis: A Case Report. Cureus. 2022 Apr 4;14(4):e23815. doi: 10.7759/cureus.23815. eCollection 2022 Apr. PMID: 35530918

Marshall DC, Tarras ES, **Ali A,** Bloom J, Torres MA, Kahn JM: Female erectile tissues and sexual dysfunction after pelvic radiotherapy: A scoping review. CA Cancer J Clin. 2022 Mar 17. doi: 10.3322/caac.21726. Online ahead of print. PMID: 35298025

Cappelli L, Poiset S, Greenberger B, Bar-Ad V: Thermoplastic Mask-Induced Contact Dermatitis: A Case Report. Cureus. 2022 Apr 4;14(4):e23815. doi: 10.7759/cureus.23815. eCollection 2022 Apr. PMID: 35530918

Miller R, Song A, Ali A, Niazi M, Bar-Ad V, Martinez N, Glass J, Alnahhas I, Andrews D, Judy K, Evans J, Farrell C, Werner-Wasik M, Chervoneva I, Ly M, Palmer J, Liu H, Shi W: Scalp-Sparing Radiation With Concurrent Temozolomide and Tumor Treating Fields (SPARE) for Patients With Newly Diagnosed Glioblastoma. Front Oncol. 2022 Apr 29;12:896246. doi: 10.3389/fonc.2022.896246. eCollection 2022. PMID: 35574391

Miller R, Santangelo T, Forghani-Arani F, Rusthoven C, Chen Y, Castillo E, Castillo R, Guerrero T, Vinogradskiy Y: Changes in post-treatment cardiac PET avidity predict overall survival in lung cancer patients treated with chemoradiation: Secondary analysis of the ACRIN 6668/RTOG 0235 clinical trial. Radiother Oncol. 2022 Jun;171:22-24. doi: 10.1016/j.radonc.2022.04.003. Epub 2022 Apr 10. PMID: 35413391

Piper K, Yu S, Taghvaei M, **Fernandez C**, Mouchtouris N, Smit RD, Yudkoff C, Collopy S, Reyes M, Lavergne P, Karsy M, Prashant GN, Shi W, Evans J: Radiation of meningioma dural tail may not improve tumor control rates. Front Surg. 2022 Jul 4;9:908745. doi: 10.3389/fsurg.2022.908745. eCollection 2022. PMID: 35860199

Zorn D, **Lombardo J, Poiset S,** Gutman M, **Cappelli L**, Hurwitz M, Ankam N: Single-Dose Radiation Therapy Without Additional Surgery as a Treatment for Heterotopic Ossification Developing After Transfemoral Amputation. Am J Phys Med Rehabil. 2022 Nov 1;101(11):e158-e161. doi: 10.1097/PHM.0000000000002075. Epub 2022 Aug 2. PMID: 35930773

Irabor OC, Nelson N, Shah Y, **Niazi MK, Poiset S**, Storozynsky E, Singla DK, Hooper DC, Lu B: Overcoming the cardiac toxicities of cancer therapy immune checkpoint inhibitors. Front Oncol. 2022 Sep 16;12:940127. doi: 10.3389/fonc.2022.940127. eCollection 2022. PMID: 36185227

Lombardo J, Schmucker AM, Keith SW, Ronghe A, Smith A, **Ali AS**, **Niazi M**, Denton M, Swartz K, Chapman A, Simone NL: Markers and associations of nutrition identified in a senior adult oncology clinic. J Geriatr Oncol. 2023 Jan;14(1):101388. doi: 10.1016/j.jgo.2022.10.003. Epub 2022 Oct 14. PMID: 36253248

Miller R, Niazi M, Russial O, Poiset S, Shi W: Tumor treating fields with radiation for glioblastoma: a narrative review. Chin Clin Oncol. 2022 Oct;11(5):40. doi: 10.21037/cco-22-90. PMID: 36336899

Ali AS, Lombardo J, Niazi MZ, Miller RC, Alnahhas I, Martinez NL, Andrews DW, Judy KD, Shi W: Concurrent chemoradiation and Tumor Treating Fields (TTFields, 200 kHz) for patients with newly diagnosed glioblastoma: patterns of progression in a single institution pilot study. J Neurooncol. 2022 Nov;160(2):345-350. doi: 10.1007/s11060-022-04146-w. Epub 2022 Nov 10. PMID: 36355259

Neuendorff NR, Gagelmann N, Singhal S, Meckstroth S, Thibaud V, Zhao Y, Mir N, Shih YY, Amaro DMC, Roy M, **Lombardo J**, Gjærde LK, Loh KP: Hypomethylating agent-based therapies in older adults with acute myeloid leukemia - A joint review by the Young International Society of Geriatric Oncology and European Society for Blood and Marrow Transplantation Trainee Committee. J Geriatr Oncol. 2022 Nov 23:S1879-4068(22)00528-8. doi: 10.1016/j.jgo.2022.11.005. Online ahead of print. PMID: 36435726

Miller R, Castillo R, Castillo E, Jones BL, Miften M, Kavanagh B, Lu B, Werner-Wasik M, Ghassemi N, **Lombardo J,** Barta J, Grills I, Rusthoven CG, Guerrero T, Vinogradskiy Y: Characterizing Pulmonary Function Test Changes for Patients With Lung Cancer Treated on a 2-Institution, 4-Dimensional Computed Tomography-Ventilation Functional Avoidance Prospective Clinical Trial. Adv Radiat Oncol. 2022 Nov 30;8(2):101133. doi: 10.1016/j.adro.2022.101133. eCollection 2023 Mar-Apr. PMID: 36618762

Shelukar S, **Fernandez C**, Bas Z, Komarnicky L, Lally SE, Shields CL, Binder A, Porcu P, Alpdogan O, Martinez-Outschoorn U, Shi W: High local control and low ocular toxicity using ultra-low-dose "boom-boom" radiotherapy for indolent orbital lymphoma. Chin Clin Oncol. 2022 Dec;11(6):44. doi: 10.21037/cco-22-84. PMID: 36632978

Poiset SJ, Reddy A, Tucker CM, Kenyon LC, Judy KD, Shi W: Hemangioblastoma with late leptomeningeal metastasis: a case report. J Med Case Rep. 2023 Mar 20;17(1):102. doi: 10.1186/s13256-023-03812-5. PMID: 36935497

Ali AS, Manukian G, Johnson JM, Vathiotis I, Axelrod R, Keith SW, Md JC, Md DC, Md AL, Argiris A, Bar-Ad V: In-field toxicity analysis of a phase I clinical trial of nivolumab and ipilimumab with definitive radiation therapy in locally advanced squamous cell carcinoma of the head and neck: In-Field toxicity of immune-RT in LA-SCCHN. Int J Radiat Oncol Biol Phys. 2023 Apr 3:S0360-3016(23)00309-7. doi: 10.1016/j.ijrobp.2023.03.065. Online ahead of print. PMID: 37019367

Carducci MP, Sundaram B, **Greenberger BA**, Werner-Wasik M, Kane GC: Predictors and characteristics of Rib fracture following SBRT for lung tumors. BMC Cancer. 2023 Apr 12;23(1):337. doi: 10.1186/s12885-023-10776-8. PMID: 37046249

Ohri N, Bar-Ad V, **Fernandez C**, Rakowski C, Leiby BE, Hoeltzel G, Sung A, Zubair N, Henao C, Dicker AP: Remote Activity Monitoring and Electronic Patient-Reported Outcomes Collection During Radiotherapy for Head and Neck Cancer: A Pilot Study. JCO Clin Cancer Inform. 2023 Apr;7:e2200132. doi: 10.1200/CCI.22.00132. PMID: 37071027

Nelson NG, **Lombardo JF**, Shimada A, Ruggiero ML, Smith AP, Ko K, Leader AE, Mitchell EP, Simone NL: Physician Perceptions on Cancer Screening for LGBTQ+ Patients. Cancers (Basel). 2023 Jun 1;15(11):3017. doi: 10.3390/cancers15113017. PMID: 37296978

Gomaa S, **Cappelli L**, Swartz K, Zhan T, Chapman A, Lopez AM, Lombardo J, Wen KY: The association of the G8 questionnaire with treatment side effects and unscheduled care among older adults with breast cancer: A retrospective cohort study. J Geriatr Oncol. 2023 Jun 29;14(7):101566. doi: 10.1016/j.jgo.2023.101566. Online ahead of print. PMID: 37392563

Cappelli L, Khan MM, Kayne A, **Poiset S, Miller R, Ali A, Niazi M**, Shi W, Alnahhas I: Differences in clinical outcomes based on molecular markers in glioblastoma patients treated with concurrent tumor-treating fields and chemoradiation: exploratory analysis of the SPARE trial. Chin Clin Oncol. 2023 Jun;12(3):23. doi: 10.21037/cco-22-123. PMID: 37417289

Maduro Bustos LA, Sarkar A, Doyle LA, Andreou K, Noonan J, Nurbagandova D, Shah SA, **Irabor OC**, Mourtada F: Feasibility evaluation of novel AI-based deep-learning contouring algorithm for radiotherapy. J Appl Clin Med Phys. 2023 Jul 18:e14090. doi: 10.1002/acm2.14090. Online ahead of print. PMID: 37464581

Ghassemi N, Castillo R, Castillo E, Jones BL, Miften M, Kavanagh B, Werner-Wasik M, **Miller R**, Barta JA, Grills I, Leiby BE, Guerrero T, Rusthoven CG, Vinogradskiy Y: Evaluation of variables predicting PFT changes for lung cancer patients treated on a prospective 4DCT-ventilation functional avoidance clinical trial. Radiother Oncol. 2023 Jul 27:109821. doi: 10.1016/j.radonc.2023.109821. Online ahead of print. PMID: 37516361

Johnson JM, Vathiotis IA, Harshyne LA, **Ali A**, Bar Ad V, Axelrod R, Lorber E, Curry J, Cognetti DM, Luginbuhl AJ, Tuluc M, Keith S, Mahoney MG, Argiris A: Nivolumab and ipilimumab in combination with radiotherapy in patients with high-risk locally advanced squamous cell carcinoma of the head and neck. J Immunother Cancer. 2023 Aug;11(8):e007141. doi: 10.1136/jitc-2023-007141. PMID: 37536941

Niazi M, Russial O, Cappelli L, Miller R, Chen Y, Vakhnenko Y, Liu H, Shi W: Efficacy of scalp-sparing volumetric-modulated arc therapy approach in reducing scalp radiation dose for patients with glioblastoma: a cross-sectional study. Chin Clin Oncol. 2023 Aug;12(4):36. doi: 10.21037/cco-23-15. PMID: 37699601

DesJarlais AM, **Miller R, Ali AS, Niazi MZ, Cappelli L**, Glass J, Farrell CJ, Shi W: Case report: durable response of gliomatosis cerebri with concurrent tumor-treating fields (TTFields) and chemoradiotherapy treatment. Chin Clin Oncol. 2023 Dec;12(6):69. doi: 10.21037/cco-23-114. PMID: 38195076

Nelson NG, Burke SE, **Cappelli L**, Matlack LE, Smith AP, Francois N, **Lombardo JF,** Shah YB, Wen KY, Shafi AA, Simone NL: Temporal Considerations in Brain Metastases Radiation Therapy: The Intersection of Chronobiology and Patient Profiles. Clocks Sleep. 2024 Mar 21;6(1):200-210. doi: 10.3390/clockssleep6010014. PMID: 38534802

Cappelli L, Khan M, Vemula S, Hum C, Liu H, Yu Y, Chen Y, Zhang Y, Sharif M, Shi W: Novel frameless LINAC radiosurgery solution for uveal melanoma. Front Oncol. 2024 Mar 25;14:1365197. doi: 10.3389/fonc.2024.1365197. eCollection 2024. PMID: 38590652

Lombardo J, Castillo E, Castillo R, **Miller R**, Jones B, Miften M, Kavanagh B, Dicker A, Boyle C, Leiby B, Banks J, Simone NL, Movsas B, Grills I, Guerrero T, Rusthoven CG, Vinogradskiy Y: Prospective Trial of Functional Lung Avoidance Radiation Therapy for Lung Cancer: Quality of Life Report. Int J Radiat Oncol Biol Phys. 2024 Apr 12:S0360-3016(24)00476-0. doi: 10.1016/j.ijrobp.2024.03.046. Online ahead of print. PMID: 38614278

Poiset SJ, Song A, In Yoon H, Huang J, Jain S, Palmer JD, Matsui JK, **Cappelli L**, Mazza JM, **Ali AS**, Evans JJ, Farrell CJ, Kearns KN, Sheehan JP, Shi W: Long-Term Outcomes of Surgery and Radiation Treatment for Adult Patients with Craniopharyngioma. World Neurosurg. 2024 Jul;187:e852-e859. doi: 10.1016/j.wneu.2024.04.177. Epub 2024 May 7. PMID: 38719077

Cappelli L, Emrich J, Komarnicky-Kocher L, Vinogradskiy Y, Mourtada F: I-125 eye-plaque seed economics: To re-use or to not re-use? A single institutional cost savings analysis of re-using I-125 radioactive seeds for eye-Plaque brachytherapy. Brachytherapy. 2024 Jul-Aug;23(4):463-469. doi: 10.1016/j.brachy.2024.04.001. Epub 2024 May 28. PMID: 38811275

Poiset SJ, Shah S, **Cappelli L**, Anné P, Mooney KE, Werner-Wasik M, **Laufer TS**, Posey JA, Lin D, Basu Mallick A, Lavu H, Bashir B, Yeo CJ, Mueller AC: Early outcomes of MR-guided SBRT for patients with recurrent pancreatic adenocarcinoma. Radiat Oncol. 2024 May 29;19(1):65. doi: 10.1186/s13014-024-02457-y. PMID: 38812040

Niazi M, Miller R, Kolb R, Ji W, Lozano A, Ahrens M, Hanlon A, Pickles M, **Song A,** Bar-Ad V, Hockstein N, Park SJ, Raben A, **Shukla G**: Association Between Time From Surgery to Radiation Therapy and Multimodality Treatment Outcomes in HPV+ Head and Neck Cancer: A Multi-Institutional Cohort Experience. Adv Radiat Oncol. 2024 Apr 14;9(8):101515. doi: 10.1016/j.adro.2024.101515. eCollection 2024 Aug. PMID: 38993193

Cappelli L, Uppendahl A, Gardner C, Khan M, Kayne A, Vemula S, **Poiset SJ**, Zhan T, Judy KD, Andrews DW, Simone NL, Alnahhas I, Shi W: Baseline single institutional retrospective review of body mass index (BMI) as a prognostic indicator in patients with newly diagnosed glioblastoma (GBM). J Clin Neurosci. 2024 Jul 27;127:110754. doi: 10.1016/j.jocn.2024.07.015. Online ahead of print. PMID: 39068727

Akbari H,...**Ali AS**,...**Lombardo J**,...**Shukla G**,...**Palmer JD**...; ReSPOND consortium.: Machine learning-based prognostic subgrouping of glioblastoma: A multicenter study. Neuro Oncol. 2025 May 15;27(4):1102-1115. doi: 10.1093/neuonc/noae260. PMID: 3966536

Cappelli L, Khan MM, Shields CL, Lally SE, Sharif M, Liu H, Chen Y, Park J, Zhan T, Shi W: Favorable Outcomes of Patients With High-Risk Uveal Melanoma Treated With a Novel Linear Accelerator-Based Frameless Fractionated Stereotactic Radiosurgery. Am J Ophthalmol. 2025 Mar;271:417-423. doi: 10.1016/j.ajo.2024.12.006. Epub 2024 Dec 18. PMID: 39706555

Joseph A, Balogun O, Adegboyega B, Salako O, **Irabor OC**, Ajose A, Adeneye S, Alabi A, Ohazurike E, Ogamba CF, Oladipo A, Fagbemide O, Habeebu M, Puthoff D, Onitilo A, Ngwa W, Nwachukwu C: Development and implementation of a 3d-HDR brachytherapy program for cervical cancer in a sub-Saharan African centre. Brachytherapy. 2025 Mar-Apr;24(2):258-264. doi: 10.1016/j.brachy.2024.10.002. Epub 2024 Dec 26. PMID: 39730268

Carey P, Gardner C, Uppendahl A, Kantor J, **Cappelli L**, Alnahhas I, Andrews D, Daskalakis C, Shi W: Body mass index as a prognostic indicator of overall survival in glioblastoma: A systematic review and meta analysis. J Clin Neurosci. 2025 Mar;133:111019. doi: 10.1016/j.jocn.2024.111019. Epub 2024 Dec 30. PMID: 39740645

El Fadel O, Damron L, **Fernandez C, Cappelli L**, Mooney K, Shi W: Accelerated Low-Dose Total Skin Electron Beam Therapy Using the Modified Stanford Technique: An In Vivo Dosimetry Confirmation Study. Cureus. 2024 Dec 9;16(12):e75422. doi: 10.7759/cureus.75422. eCollection 2024 Dec. PMID: 39791058

Poiset SJ, Lombardo J, Castillo E, Castillo R, Jones B, Miften M, Kavanagh B, Dicker AP, Boyle C, Simone NL, Movsas B, Grills I, Rusthoven CG, Vinogradskiy Y, Wilson L: Patient-Reported Outcomes: Comparing Functional Avoidance and Standard Thoracic Radiation Therapy in Lung Cancer. JCO Clin Cancer Inform. 2025 Feb;9:e2400202. doi: 10.1200/CCI-24-00202. Epub 2025 Feb 4. PMID: 39903899

Cappelli L, Cappelli M, **Haldar N**, Paul T, Mandel J, Zhan T, Nikbakht N, Shi W: Condensed low-dose total skin electron beam therapy for mycosis fungoides: an institutional retrospective review and subgroup analysis of patients with large cell transformation. Arch Dermatol Res. 2025 Mar 8;317(1):531. doi: 10.1007/s00403-025-04030-3. PMID: 40056226

Joseph A, Nwachukwu C, Adegboyega B, Salako O, Andero T, Alabi A, Ajose A, Adeneye S, Adedewe N, Kotkat A, Oladipo A, **Irabor OC**, Habeebu M, Puthoff D, Onitilo A, Ngwa W, Balogun O: 3D HDR brachytherapy for cervical cancer in LMIC: Audit of a single institution experience in Lagos, Nigeria. Brachytherapy. 2025 Jul-Aug;24(4):479-485. doi: 10.1016/j.brachy.2025.01.007. Epub 2025 Apr 28. PMID: 40300972

Cappelli L, Kayne A, Newman J, Elguindy A, Epperla N, **Palmer JD,** Outschoorn UM, Porcu P, Shi W, Alnahhas I: Primary central nervous system lymphoma: Predictors of response to induction therapy and patterns of progression. Neurooncol Adv. 2025 Apr 24;7(1):vdaf082. doi: 10.1093/noajnl/vdaf082. eCollection 2025 Jan-Dec. PMID: 40575413

Rocchetti JR, **Haldar N**, Haldar D, Andrews DW, Werner-Wasik M: Recurrent Grade I Parafalcine Meningioma: Management Challenges and Genomic Insights. Cureus. 2025 Aug 6;17(8):e89466. doi: 10.7759/cureus.89466. eCollection 2025 Aug. PMID: 40918813

McLean L, Andrews C, **Cappelli L**, Gillan G, Curtis M, Evans JJ, Shi W: Pituitary Macroadenoma and Adamantinomatous Craniopharyngioma: A Rare Case Report of Sellar Collision Tumors. Case Rep Neurol Med. 2025 Sep 4;2025:6895334. doi: 10.1155/crnm/6895334. eCollection 2025. PMID: 40949298

Downes MH, Olsen V, Williams A, Sheu R, Thor M, Greenwald L, Dumane V, Hsieh K, **Ali A**, Morgan O, Buckstein M, Marshall DC: A feasibility study of sexual organ-dose sparing volumetric modulated arc therapy in female low rectal cancer patients treated with three-dimensional conformal radiation therapy. J Appl Clin Med Phys. 2025 Dec;26(12):e70394. doi: 10.1002/acm2.70394. PMID: 41306083

Patel A, **Haldar N**, Micaily I, Greenberg M, Nardone E, Lippert JA, Fundakowski C, Mueller AC: Urgent radiotherapy for superior vena cava syndrome in metastatic non-small cell lung cancer: a case report. Tech Innov Patient Support Radiat Oncol. 2025 Dec 5;37:100365. doi: 10.1016/j.tipsro.2025.100365. eCollection 2026 Mar. PMID: 41510316

Walker RL 3rd, Laws MT, Kim HJ, Zalewski C, Asthagiri A, Ranganathan S, Hayes C, Heiss JD, Butman JA, Chittiboina P: Intralabyrinthine MRI FLAIR as a predictive marker for hearing loss in vestibular schwannomas in Neurofibromatosis Type 2. J Neurooncol. 2026 Jan 26;176(3):182. doi: 10.1007/s11060-026-05422-9. PMID: 41586863

Ilori T, Gerber K, Burke S, Shimada A, **Ali A**, Loeb S, Yutong L, Lazar M, Rosenblum NG, Anne PR, Simone NL: Intimacy After Diagnosis: Navigating Sexual Health Conversations and Disparities Among Cancer Survivors. Am J Hosp Palliat Care. 2026 Feb 14:10499091261425190. doi: 10.1177/10499091261425190. Online ahead of print. PMID: 41689813

Iqbal H, **Haldar N**, Mueller AC: Diagnosis and Management of Synchronous Prostate and Rectal Cancer in a Patient. Cureus. 2026 Mar 13;18(3):e105182. doi: 10.7759/cureus.105182. eCollection 2026 Mar. PMID: 41978589

Gerber K, Thapar M, Lazar M, Baker N, Lubas MJ, Sherif K, **Ali A,** Rosenblum NG, Anne P, Simone NL: Addressing Sexual Toxicity Among Cancer Survivors: Clinicians Challenges and Potential Interventions. Am J Hosp Palliat Care. 2026 May 8:10499091261450884. doi: 10.1177/10499091261450884. Online ahead of print. PMID: 42100930

Joshi J, Shimada A, Burke SE, **Ali AS**, Smith A, Smith BC, Hines K, Leader AE, Simone NL: Effect of social stressors and social determinants of health (SDOH) on cancer beliefs: Analysis of a cancer center catchment area. J Psychosoc Oncol. 2026;44(6):943-961. doi: 10.1080/07347332.2026.2666535. Epub 2026 May 9. PMID: 42105373

Katzenberg A, DiNome J, Beecher R, Den R: A 340B View of Pluvicto (Lutetium Lu 177 Vipivotide Tetraxetan): Financial Misalignment in Radioligand Therapy. Pract Radiat Oncol. 2026 May 8:S1879-8500(26)00142-6. doi: 10.1016/j.prro.2026.05.001. Online ahead of print. PMID: 42107766

Shah R, **Haldar N**, Jain S, Holt L, Shah S, Iqbal H, Chen AY, Farrell CJ, Haldar D, Evans JJ, Alexander GS, Shi W: Long-Term Outcomes and Symptom Response Following Hypofractionated Stereotactic Radiotherapy for Intracranial Meningioma. World Neurosurg. 2026 Jul;211:125045. doi: 10.1016/j.wneu.2026.125045. Epub 2026 May 12. PMID: 42128342

Chen AY, Reddy A, Ikea-Mario T, Jain S, Xiao Z, **Haldar N**, Feng R, Farrell CJ, Evans JJ, Shi W: Ki-67 ≥ 13% and Local Failure in WHO grade 2 and 3 Meningiomas: A Single-Institution Cohort Study. J Clin Neurosci. 2026 Oct;152:112130. doi: 10.1016/j.jocn.2026.112130. Epub 2026 Jun 12. PMID: 42284738

Haldar N, Okazaki K, **McLean L**, Mourtada F, Taleei R, Li J, Caster J, Anne PR, Vinogradskiy Y, Choi W, Chen Y: Contour and dosimetric evaluation of an in-room mobile CBCT scanner for cylinder based brachytherapy. Brachytherapy. 2026 Nov-Dec;25(6):1038-1048. doi: 10.1016/j.brachy.2026.05.007. Epub 2026 Jun 25. PMID: 42350188

Cao W, Lloyd I, Dichmann M, **Haldar N**, Thomas D, Chen Z, Blomain E, Adejolu F, Beck K, Faherty P, Khan M, Simone N, Jain V, Storozynsky E, Dicker AP, Choi W, Vinogradskiy Y: Cross-Institutional Validation of a novel LLM-Based Cardiac Event Extraction framework from Electronic Health Records. Int J Radiat Oncol Biol Phys. 2026 Jun 29:S0360-3016(26)03913-1. doi: 10.1016/j.ijrobp.2026.06.3060. Online ahead of print. PMID: 42373015

Shah R, Jain S, **Haldar N,** Holt LA, **Walker RL 3rd**, Farrell CJ, Haldar D, Evans JJ, Alexander GS, Shi W: Fractionated stereotactic radiotherapy (fSRT) for symptomatic WHO grade 1 cavernous sinus meningiomas: long-term local control, clinical response, and toxicity outcomes. J Neurooncol. 2026 Jun 30;178(3):83. doi: 10.1007/s11060-026-05688-z. PMID: 42373906

Gerber K, Thapar M, Rocchetti J, Kantor J, **Ali A**, Adekeye A, Hum C, Lazar M, Anne PR, Wilson K, Wilson LJ, Simone NL: Impact of prior sexual trauma on patient experience and comfort in breast cancer radiation therapy. Support Care Cancer. 2026 Jul 30;34(8):818. doi: 10.1007/s00520-026-11041-x. PMID: 42533207

Sivakumar S, Shah R, Jain S, **Haldar N**, Shi W: Evaluating the Efficacy, Safety, and Patient Selection Criteria for Radiation Therapy in Early-Stage Dupuytren's Contracture. Cureus. 2026 Jul 6;18(7):e112154. doi: 10.7759/cureus.112154. eCollection 2026 Jul. PMID: 42559158

Shah R, **Haldar N**, Haldar D, Piper K, Shi W, Jabbour P: Can Low-Dose Radiation Therapy Aid in Chronic Subdural Hematoma Management? A Historical Review. Adv Radiat Oncol. 2026 Sep 11;11(9):102157. doi: 10.1016/j.adro.2026.102157. eCollection 2026 Sep. PMID: 42746323

Walker RL, Roy A, Saksena S, **Haldar N**, Cohen D, Shi W, Yang S, Alexander GS: Low-Dose Radiation Therapy in Treatment of Recalcitrant Hidradenitis Suppurativa. Adv Radiat Oncol. 2026 Sep 11;11(9):102105. doi: 10.1016/j.adro.2026.102105. eCollection 2026 Sep. PMID: 42746574

Book Chapters

1. **Fernandez C**, Skowron K: "Can Professionalism be Taught During Residency?" - Difficult Decisions in Surgical Ethics – An Evidence-Based Approach. Vassyl A. Lonchyna (Editor), Peggy Kelley (Editor), Peter Angelos (Editor). Springer. NY, USA, 2022.

2. Palmer JD**, Cappelli L**, Shi W: Craniopharyngioma. Adult CNS Radiation Oncology: Principles and Practice, 2nd Ed. Chang E, Brown P, Lo S, Sahgal A, Suh J (ed). Springer, NY, USA. 2024