

Name: McCulloch, James, A			
EDUCATION			
Institution Name	Degree	Year Awarded	Field of Study
Brigham Young University - Idaho	B.S.	2016	Physics
UT Health San Antonio	Doctorate of Medical Physics	2020	Medical Physics
POSTGRADUATE TRAINING			
Institution Name		Start & End Dates	Nature of Training
None			
ACADEMIC APPOINTMENTS			
Institution, Department		Start & End Dates	Position or Rank
Florida International University		01/2021 - 03/2022	Clinical Assistant Professor
HOSPITAL and OTHER APPOINTMENTS			
Hospital, Clinical, Company etc.		Start & End Dates	Position or Title
Miami Cancer Institute		06/2020 – 03/2022	Therapeutic Medical Physicist
CERTIFICATION, REGISTRATION and LICENSURE			
Granting Body	Specialty	Year Granted	Year of Next MOC
American Board of Radiology	Therapeutic Medical Physicist	2021	2024
ACADEMIC SUPERVISION			
None			
ROLES IN THE PROGRAM			
None			
CLINICAL RESPONSIBILITIES			
<ul style="list-style-type: none"> • Plan 2nd checks and chart checks • LINAC quality assurance • HDR quality assurance and planning • MR-Linac adaptive treatment planning • TBI planning and 2nd checks 			
SCHOLARLY ACTIVITIES			
None			
RESEARCH INTERESTS			
<ul style="list-style-type: none"> • Surface guided imaging • Image guided adaptive radiation therapy 			

RESEARCH SUMMARY			
Type		Total	Last 5 years
Peer-reviewed papers in referred journals		10	10
Book chapters & conference proceedings		0	0
Published Abstracts		24	24
Presentations at national/international conferences		1	1
RESEARCH FUNDING SUPPORT			
Source of Funding	Title of Research Grant	Dates of Support	Funding Amount
None			

LIST OF SELECTED PUBLICATIONS – Reverse Chronological Order

1. Chuong M. D., Herrera R., Ucar A., Aparo S. De Zarraga F., Asbun H., Jimenez R., Domenech A., Narayanan G., Joseph S., Kotecha R., Hall M., Mittauer K., Alvarez D., **McCulloch J.**, Romaguera T., Gutierrez A., Kaiser, A. (2023). Causes of Death Among Patients With Initially Inoperable Pancreas Cancer After Induction Chemotherapy and Ablative 5-fraction Stereotactic Magnetic Resonance Image Guided Adaptive Radiation Therapy. *Advances in radiation oncology*, 8(1), 101084, <https://doi.org/10.1016/j.adro.2022.101084>
2. Chuong, M. D., Herrera, R., Kaiser, A., Rubens, M., Romaguera, T., Alvarez, D., Kotecha, R., Hall, M. D., **McCulloch, J.**, Ucar, A., DeZarraga, F., Aparo, S., Joseph, S., Asbun, H., Jimenez, R., Narayanan, G., Gutierrez, A. N., Mittauer, K. E. (2022). Induction Chemotherapy and Ablative Stereotactic Magnetic Resonance Image-Guided Adaptive Radiation Therapy for Inoperable Pancreas Cancer. *Frontiers in oncology*, 12, 888462. <https://doi.org/10.3389/fonc.2022.888462>
3. Kutuk, T., Herrera, R., Mustafayev, T. Z., Gungor, G., Ugurluer, G., Atalar, B., Kotecha, R., Hall, M. D., Rubens, M., Mittauer, K. E., Contreras, J. A., **McCulloch, J.**, Kalman, N. S., Alvarez, D., Romaguera, T., Gutierrez, A. N., Garcia, J., Kaiser, A., Mehta, M. P., Ozyar, E., Chuong, M. D. (2022). MultiInstitutional Outcomes of Stereotactic Magnetic Resonance Image Guided Adaptive Radiation Therapy With a Median Biologically Effective Dose of 100 Gy10 for Non-bone Oligometastases. *Advances in radiation oncology*, 7(6), 100978. <https://doi.org/10.1016/j.adro.2022.100978>
4. Rodriguez L.L., Kotecha R., Tom M.C., Chuong M.D., Contreras J., Romaguera T., Alvarez D., **McCulloch J.**, Hernandez R.J., Mercado J., Mehta M.P., Gutierrez A., Mittauer K.E., Impact of Breath-Hold MR-Guided Radiotherapy (MRgRTBH) vs. Free-Breathing CT Image-Guided Radiotherapy (CT-IGRTFB) on Gastrointestinal Sparing and Dose Conformality in Adrenal SBRT, *International Journal of Radiation Oncology-Biology-Physics*, Volume 111, Issue 3, Supplement, 2021, Page e527, ISSN 0360-3016, <https://doi.org/10.1016/j.ijrobp.2021.07.1438>.
5. Rodriguez L.L., Kotecha R., Tom M.C., Chuong M.D., Contreras J.A., Romaguera T., Alvarez D., **McCulloch J.**, Herrera R., Hernandez R.J., Mercado J., Mehta M.P., Gutierrez A.N., Mittauer K.E. CTguided versus MR-guided radiotherapy: Impact on gastrointestinal sparing in adrenal stereotactic body radiotherapy. *Radiother Oncol.* 2022 Jan;166:101-109. doi: 10.1016/j.radonc.2021.11.024. Epub 2021 Nov 26. PMID: 34843842.
6. Chuong M.D., Bryant J., Herrera R., **McCulloch J.**, Contreras J., Kotecha R., Romaguera T., Alvarez D., Hall M., Rubens M., Mehta M., Kaiser A., Tom M., Gutierrez A., Mittauer K. (2022). Doseescalated magnetic resonance image-guided abdominopelvic reirradiation with continuous intrafraction visualization, soft tissue tracking, and automatic beam gating. *Adv Radiat Oncol.* 2021 Oct 27;7(2):100840. doi: 10.1016/j.adro.2021.100840. PMID: 35146215; PMCID: PMC8802055.
7. **McCulloch, J.**, Pawlowski, J., Kirby, N., Rasmussen, K., Shi, Z., Myers, P., Stathakis, S., Papanikolaou, N. and Saenz, D.L. (2020). Patient-specific dose quality assurance of single-isocenter multiple brain metastasis stereotactic radiosurgery using PTW Octavius 4D. *J. Appl. Clin. Med. Phys.*, 21: 107-115. <https://doi.org/10.1002/acm2.12979>