

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

July 2022 to June 2023

***Radiology Resident or Fellow**

^Research Fellow

+Faculty

PUBLICATIONS

Saripalli AL, Lee B, Adams W, ..., +Wagner RW, Welsh JS, Solanki AA. Multi-institutional development and validation of contouring guidelines for para-aortic elective nodal irradiation in prostate cancer based on patterns of involvement on targeted molecular imaging positron emission tomography/compute tomography. *International Journal of Radiation Oncology Biology Physics*. May 16, 2023. <https://doi.org/10.1016/j.ijrobp.2023.05.017>

Lee J, Lukas RV, Jusue-Torres I, Germanwala AV, Borys E, Solanki Aa, +Mallik AK, Barton K, Thakkar JP. MGMT methylated high grade glioma with distant recurrence and stable original tumor site: Case series. *Annals of Hematology & Oncology*; 2023;10(2):1421. doi: 10.26420/annhematoloncol.2023.1421. Epub 2023 Apr 29 PMID 37309512

Wasilewski G, *Drammeh H, ^Belal M, ^Khokhar Z, Pasion A, +Allam E. Failed transtibial pullout repair of the medial meniscus posterior root. *Radiol Case Rep*. 2023 Apr; 18(4): 1507–1510. doi: 10.1016/j.radcr.2023.01.006. PMID: PMC9932288.

Heller D, Wasilewski G, Mustafa J, *Chaudhry H, *Lowery E, Borys D, +Allam E. Extraskelatal ewing sarcoma of the sciatic nerve. *Radiol Case Rep*. 2023 Jan 12;18(3):1221-1226. doi: 10.1016/j.radcr.2022.12.006. PMID: 36660563; PMID: PMC9842801.

*Shah L, Zywieciel J, Kui A, *Connor D, Zhang C, Picken MM, +Allam E. Adverse reaction to metal debris with accompanying gout and amyloid deposits in hip arthroplasty. *Radiol Case Rep*. 2023 Jan 5;18(3):1005-1009. doi: 10.1016/j.radcr.2022.11.079. PMID: 36684621; PMID: PMC9849962.

+Klein EL., Wyers MR, Prendergast FM, Arzu J, Benya EC. Prevalence of intrarenal reflux in pediatric patients on contrast-enhanced voiding urosonography. *Pediatr Radiol* Nov 10, 2022. <https://doi.org/10.1007/s00247-022-05548-8>

Patel HD, Okabe Y, Rac G, Pahouja G, Desai S, +Shea SM, Gorbonos A, Quek ML, Flanigan RC, +Goldberg A, Gupta GN. MRI versus non-MRI diagnostic pathways before radical prostatectomy: Impact on nerve-sparing, positive surgical margins, and biochemical recurrence. *Urol Oncol*. 2022 Nov 10;.doi: 10.1016/j.urolonc.2022.10.012. [Epub ahead of print] PubMed PMID: 36372633.

*Sullivan I, *Fonseca A, *Mosenthal M, *Ness J, +Borge M, Amin P, +Molvar C. Large bore portal vein thrombectomy: an inari flow triever case series. *Cardiovasc Intervent Radiol*. 2023 Jan;46(1):136-141. doi: 10.1007/s00270-022-03286-w. Epub 2022 Oct 19. PMID:36261506.

Huang S, +Chen JF. An Improved Neural Network Method for Forearm Bone Imaging Segmentation. *Open Journal of Radiology*, Vol. 12, No.4, December 2022, <https://doi.org/10.4236/ojrad.2022.124018>

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

+Bian J, +James JR, +Wagner R, +Halama J. Quantify total activity by volume-of-interest expansion with clinical SPECT/CT systems, a phantom study. *J Appl Clin Med Phys*. 2023 Jan;24(1):e13828. doi: 10.1002/acm2.13828. Epub 2022 Nov 8. PMID: 36347052 PMCID: PMC9859999.

Maar M, *Lee J, Tardi A, Zheng Y, Wong C, Gao J. Inter-transducer variability of ultrasound image quality in obese adults: Qualitative and quantitative comparisons. *Clinical Imaging* September 29,2022; <https://doi.org/10.1016/j.clinimag.2022.09.010>

Choe S, Patel HD, Lanzotti N, Okabe Y, Rac G, +Shea SM, Gorbonos A, Quek ML, Flanigan RC, +Goldberg A, Gupta GN. MRI vs transrectal ultrasound to estimate prostate volume and PSAD: Impact on Prostate Cancer Detection. *Urology*. 2022 Sep 21;.doi: 10.1016/j.urology.2022.09.007. [Epub ahead of print] PubMed PMID: 36152871.

+Chen JF, Yin Q, Imaging analysis of trabecular bone texture based on the initial slope of variogram of ultra-distal radius digital x-ray imaging: effects on bone mineral density and age. *Open Journal of Radiology*, Vol. 12, No.3, pp78-85, September 2022, <https://doi.org/10.4236/ojrad.2022.123009>

^El Bulbul J, ^Hashem A, Grybowski D, Joyce C, ^Rashad E, +Gabriel MS, +Wagner R, Savir-Baruch B. Effect of hormonal therapy on F-fluciclovine PET/CT in the detection of prostate cancer recurrence, localization of metastatic disease, and correlation with prostate-specific antigen. *Urol Oncol*. 2022 Aug;40(8):379.e9-379.e16. doi: 10.1016/j.urolonc.2022.05.018. Epub 2022 Jun 21.

Patel HD, Koehne EL, +Shea SM, Fang AM, et al. A prostate biopsy risk calculator based on MRI: development and comparison of the prospective Loyola University multiparametric MRI (PLUM) and Prostate Biopsy Collaborative Group (PBCG) risk calculators. *BJU Int* . 2023 Feb;131(2):227-235. doi: 10.1111/bju.15835. Epub 2022 Jul 11. PMID35733400 PMC9772358

Labus S, Altmann MM, Huisman H, Tong A, Penzkofer T, Choi MH, Shabunin I, Winkel DJ, Xing P, Szolar DH, +Shea SM, Grimm R, von Busch H, Kamen A, Herold T, Baumann C. A concurrent, deep learning-based computer-aided detection system for prostate multiparametric MRI: a performance study involving experienced and less-experienced radiologists. *Eur Radiol*. 2023 Jan;33(1):64-76. doi: 10.1007/s00330-022-08978-y. Epub 2022 Jul 28. PubMed PMID: 35900376.

ABSTRACTS, POSTERS, EXHIBITS AND ELECTRONIC PRESENTATIONS

Sloane DC, ^Khokhar Z, Anderson DF, +Mallik AK. fMRI-localized Motor Cortex Stimulation for Trigeminal Neuralgia. Excerpta at American Society for Neuroradiology Annual Meeting, April 29 - May 3, 2023. Chicago, IL.

Wajahal M, ^Khokahr Z, Alhusseni M, Behzadi R, Nuru M, *Kuc J, Kim J, Germanwala A, +Mallik AK. Multiparameter 3D Image-based deep learning models for Pituitary Macroadenoma Surgical Planning and Outcomes. Scientific electronic presentation at American Society for Neuroradiology Annual Meeting, April 29 - May 3, 2023. Chicago, IL.

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

*Mustafa J, *Ness J, +Ozga T. BAM! A Pictorial Essay of Early Dialysis Access Interventions. Educational Exhibit presented at the SIR 2023 Annual Scientific Meeting, March 4-9, 2023, Phoenix, AZ.

*Olivieri J, Glaenger B, +Borge M. A Primer on the Lost Art of Hand Angiography: Anatomy, Technique, and Clinically Relevant Images. Educational Exhibit presented at the SIR 2023 Annual Scientific Meeting, March 4-9, 2023, Phoenix, AZ.

*Mosenthal M, *Chun P, Trivedi S, *El-Baba R, +Borge MA, +Molvar C. Educational Exhibit presented at the SIR 2023 Annual Scientific Meeting, March 4-9, 2023, Phoenix, AZ.

*Kus J, *McWilliams K, *Olivieri J, Reddy A, +Annes J, +Malamis A. Vertebral Augmentation Saves Lives. Educational Exhibit presented at the SIR 2023 Annual Scientific Meeting, March 4-9, 2023, Phoenix, AZ.

*Ness J, *Olivieri J, *Anand R, +Malamis A. Utilization of Cone Beam CT during Vertebral Augmentation. Educational exhibit presented at the SIR 2023 Annual Scientific Meeting, March 4-9, 2023, Phoenix, AZ.

*Gjeluci A, Veras P, Dwan B, Bhatnagar C, +Allam E. PINCH - Causes of Acro-osteolysis - Differential diagnosis. European Congress of Radiology: Case-Based Diagnosis Training session. Vienna, Austria. March 5, 2023.

*Lee J, Mustafa J, Dwan B, Bhatnagar C, +Allam E. OMG A lytic jaw lesion - Differential diagnosis. European Congress of Radiology: Case-Based Diagnosis Training session. Vienna, Austria. March 5, 2023.

Kui A, Pasion A, Heller D, Zhou C, +Allam E. CAVITY - Causes of Cavitory Lesions - Differential diagnosis. European Congress of Radiology: Case-Based Diagnosis Training session. Vienna, Austria. March 5, 2023.

*Shah L, +Kuritz T, +Benjamin S, +Ganesh R. Bilateral synchronous invasive ductal carcinoma in a male. RSNA Case Collection. March 2023. <https://doi:10.1148/cases.20238930>

*Shah L, *Patel A, Chaiprasit T, Jensen E, Ding X, Liotta M, Jawahar A. Neuroendocrine Malignancies of the Cervix – What Radiologists Need to Know. Presented at the Society of Abdominal Radiology Annual Meeting, February 26 to March 2, 2023, Austin, TX.

^Khokhar Z, *Mosenthal M, Jawahar A, +Molvar C, +James JR. Exploring the Utility of MR Diffusion Weighted Imaging to Determine Tumor Response to Radioembolization (Y-90) Treatment for Hepatocellular Carcinoma. Loyola University Medical Center Cancer Research Day, February 21, 2023.

Laban N, Anwar-Hashmi O, +Allam E. Chopart amputation. Case study, Radiopaedia.org (Published on Feb 18, 2023) <https://doi.org/10.53347/rID-160411>

Laban N, Anwar-Hashmi O, +Allam E. Syme amputation. Case study, Radiopaedia.org (Published on Feb 17, 2023) <https://doi.org/10.53347/rID-160413>

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

Freeman J, Veras P, +Allam E. Malignant melanoma. Case study, Radiopaedia.org (Published on Feb 16, 2023) <https://doi.org/10.53347/rID-161142>

Laban N, Anwar-Hashmi O, +Allam E. Lisfranc amputation. Case study, Radiopaedia.org (Published on Feb 14, 2023) <https://doi.org/10.53347/rID-160414>

Carlson J, Adams T, *Lee J, Gao J. Color M-Mode Ultrasound to Assess Carotid Arteries: A Feasibility Study. Journal for Vascular Ultrasound February 7, 2023.
<https://doi.org/10.1177/15443167221150962>

^Belal M, +Halama J, Swatosh DJ, +Wagner R, +James JR. Evaluating Effects of Radionuclide Source Distance and Orientation on SPECT system sensitivity measurements Electronic Scientific Poster 2022 ACNM Annual Meeting, San Francisco January 26-28, 2023.

*Shah L, +Benjamin S, +Ganesh K, +Kuritza T. Bilateral Synchronous Invasive Ducta Carcinoma. Virtual Poster presentation at Chicago Radiological Society Meeting, Rush University Medical Center, Chicago, IL. Jan 19, 2023.

*Boychev G, *Drammeh H, McGowan B, Zywiiciel J, +Allam E. Cystic Lung Diseases. Virtual Poster presentation at Chicago Radiological Society Meeting, Rush University Medical Center, Chicago, IL. Jan 19, 2023. Winner of the Cardiac & Chest category.

*Fang MJ, Wasilewski GC, ^Belal M, *Choudhari R, +Alexander A, +Allam E. Heterotopic Ossification in COVID-19. Virtual Poster presentation at Chicago Radiological Society Meeting, Rush University Medical Center, Chicago, IL. Jan 19, 2023. Winner of the MSK category.

*Lee J, Shaqildi O, ^Khokhar Z, Veras P, +Allam E. Spooky Sesamoids: Cases of Strange Hallux Sesamoids. Virtual Poster presentation at Chicago Radiological Society Meeting, Rush University Medical Center, Chicago, IL. Jan 19, 2023.

Fernandez K, *Fu J, Villasin P, +James J, Jawahar A. Analysis of Radiology Quality Improvement Issues in MRI Examinations at Loyola University Health System. Virtual Poster presentation at Chicago Radiological Society Meeting, Rush University Medical Center, Chicago, IL. Jan 19, 2023. Winner of the Quality & Safety category.

Illimoottil M, Gupta S, +Allam E. Peroneal tendon tear and intra-sheath subluxation (ultrasound). Case study, Radiopaedia.org (Published on Jan 4, 2023)
<https://doi.org/10.53347/rID-158869> (Selected as upcoming Case of the Day)

Mustafa J, +Allam E. Lipohaemarthrosis of the shoulder. Case study, Radiopaedia.org (Published on Jan 4, 2023) <https://doi.org/10.53347/rID-159442>

Zhou C, +Allam E. Reverse total shoulder arthroplasty with polythene liner dissociation/dislocation. Case study, Radiopaedia.org (Published on Dec 28, 2022)
<https://doi.org/10.53347/rID-158678>

McGowan B, +Allam E. Vacuum phenomenon in the knee. Case study, Radiopaedia.org (Published on Dec 22, 2022) <https://doi.org/10.53347/rID-158814>

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

Shaqildi O, +Allam E. Foreign body (talus drilled to hand). Case study, Radiopaedia.org (Published on Dec 19, 2022) <https://doi.org/10.53347/rID-158552>

Thomas A, +Allam E. Both bone forearm fracture with rotation. Case study, Radiopaedia.org (Published on Dec 15, 2022) <https://doi.org/10.53347/rID-157562>

Shaqildi O, +Allam E. Talar replacement. Case study, Radiopaedia.org (Published on Dec 12, 2022) <https://doi.org/10.53347/rID-158106>

Sharobeem N, +Allam E. Extensor hallucis longus tendon entrapment. Case study, Radiopaedia.org (Published on Nov 29, 2022) <https://doi.org/10.53347/rID-156923>

^Khokhar Z, +Allam E. Orofacial sinus tract. Case study, Radiopaedia.org (Published on Nov 12, 2022) <https://doi.org/10.53347/rID-153607>

^Khokhar Z, *Mosenthal M, Jawahar A, +Molvar M. +James JR. Exploring the Utility of MR Diffusion Weighted Imaging to Determine Tumor Response to Radioembolization (Y-90) Treatment for Hepatocellular Carcinoma. St. Albert's Day annual competition for researchers Stritch School of Medicine, Chicago, Illinois, October 27, 2022.

^Belal M, +Halama J, Swatosh DJ, +Wagner R, +James JR. Effect of Distance and Orientation on system sensitivity of SPECT scanners. St. Albert's Day annual competition for researchers Stritch School of Medicine, Chicago, Illinois, October 27, 2022

Fernandez K, *Fu J, Villasin P, +James JR, Jawahar A. Analysis of Radiology Quality Improvement issues in MRI examinations at the Loyola University Health System. St. Albert's Day annual competition for researchers Stritch School of Medicine, Chicago, Illinois, October 27, 2022

Dwan B, Kui A, Veras P, ^Khokhar Z, ^Belal M, ^Ploussard B, *Elmaoued A, +Allam E. Analysis of findings on MR arthrogram of the shoulder versus diagnosis on arthroscopic surgery. Poster presentation at St. Albert's Day research symposium. Loyola University Stritch School of Medicine, Chicago. October 27, 2022.

Kui A, Dwan B, ^Belal M, ^Khokhar Z, *El-Baba R, Pasion A, +Allam E. Creation of a Free Website for Interactive Training in Cross-Sectional Radiology. Poster presentation at St. Albert's Day research symposium. Loyola University Stritch School of Medicine, Chicago. October 27, 2022.

Borys D, +Allam E, +Alexander A, A, Cooper A, +Lomasney LM. Solitary Fibrous Tumor of the Knee with Malignant Degeneration. Exhibit at the Annual Meeting of the International Skeletal Society, October 25, 2022. Barcelona Spain.

^Khokhar Z, +Allam E. Gluteal tendinopathy. Case study, Radiopaedia.org (Published on Oct 20, 2022) <https://doi.org/10.53347/rID-154710>

^Belal M, +Allam E. Space of Poirier. Case study, Radiopaedia.org (Published on Oct 11, 2022) <https://doi.org/10.53347/rID-153604>

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

*Fang MJ, Ehrhart E, Rider J. Ewing Sarcoma. RSNA Case Collection 2022. Published October 3, 2022. <https://cases.rsna.org/case/21385a38-f77a-4abb-919a-c957a0a89536>

Patel N, +Allam E. Pectoralis major tendon to scapula transfer. Case study, Radiopaedia.org (Published on Sep 21, 2022) <https://doi.org/10.53347/rID-152103>

Abourahma M, +Allam E. Complete tears of the common flexor tendon and ulnar collateral ligament. Case study, Radiopaedia.org (Published on Sep 12, 2022) <https://doi.org/10.53347/rID-151783>

Mohammed W, +Allam E. Deltoid ligament injury. Case study, Radiopaedia.org (Published on Sep 7, 2022) <https://doi.org/10.53347/rID-151595>

Kerdjoudj M, +Allam E. Venous vascular malformation - thigh. Case study, Radiopaedia.org (Published on Sep 1, 2022) <https://doi.org/10.53347/rID-151638> (Selected as Case of the Day for Dec 12, 2022)

Paek J, +Allam E. Rotator cuff repair complicated by infection. Case study, Radiopaedia.org (Published on Aug 31, 2022) <https://doi.org/10.53347/rID-151377> (Selected as Case of the Day for Dec 11, 2022)

Paek J, +Allam E. Posterior glenohumeral dislocation. Case study, Radiopaedia.org (Published on Aug 24, 2022) <https://doi.org/10.53347/rID-151194>

Mohammed W, +Allam E. Broken appendage of a Günther Tulip IVC filter. Case study, Radiopaedia.org (Published on Aug 21, 2022) <https://doi.org/10.53347/rID-151089>

Zayats Y, +Lomasney LM. Salt and Pepper Skull. Case-Based Diagnosis Training Session Exhibit at ECR Annual Meeting. Barcelona, Spain. July 17, 2022.

*Yasin L, Marabak D, +Lomasney LM. The "Oreo Cookie Sign". Case-Based Diagnosis Training Session. Exhibit at ECR Annual Meeting. Barcelona, Spain. July 17, 2022.

^Ploussard B, *Lovrec P, *Gidley P, +Alexander A, +Allam E. Double oreo cookie sign. European Congress of Radiology: Case-Based Diagnosis Training session. Vienna, Austria. July 17, 2022.

+James JR, *Kus JM, Jawahar A. Can Abnormal Pudendal Nerve be detected and evaluated using MR DWI ADC Values - A Preliminary Study. Interactive Poster Presentation at the 2022 AAPM Annual Meeting, Washington DC, July 10-14, 2022

+Bian J, +Halama J. The Use of Volume Expansion Approach on Quantitative Estimation of Total Organ Activity in Clinical Quantitative SPECT/CT. Poster Presentation at the 2022 American Association of Physicists in Medicine Annual Meeting, Washington DC, July 10-14, 2022

ORAL PRESENTATIONS

Walsh B, Nuru M, Alhusseini M; Leonetti J; Anderson, D, +Mallik A. Statistical and Machine Learning Modeling to Predict Hearing Preservation in Vestibular Schwannoma Surgery. Oral

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

presentation; late breaking abstract. American Society for Neuroradiology Annual Meeting; Chicago, IL. April 29-May 3, 2023.

Jawahar A, +Allam E, +Bashir M, +Lomasney L, +James JR. Can Anonymous Survey Platforms Be a Valuable Learning Tool in Resident Education? Oral presentation at the Association of University Radiologists annual meeting. Austin, TX. April 25-28, 2023.

*Yasin L, *Digrazia G, +Lim-Dunham JE, +Lomasney LM, +Allam E. Evaluating the Utility of a Simulated Ultrasound Training Tool for Early Ultrasound Learners in Medicine. Oral presentation at the Association of University Radiologists annual meeting. Austin, TX. April 27, 2023.

Kui A, *Lovrec P, ^Belal M, Illimoottil M, +Allam E. Vertebral Hemangioma. Oral presentation at ACR Medical Student Symposium. Virtual meeting. Jan 28, 2023. Selected as finalist (among the top 3 in the country).

Borys D, Cooper A, +Alexander A, +Allam E. Intra-articular Solitary Fibrous Tumor of the Knee with Malignant Transformation. Oral presentation at International Skeletal Society meeting. Barcelona, Spain. Oct 25, 2022.

Borys D, Cooper A, +Alexander A, +Allam E. Periorbital Extraskeletal Mesenchymal Chondrosarcoma. Oral presentation at International Skeletal Society mini meeting. Virtual meeting. June 25, 2022.

*Choudhari R, Aziz A, +Alexander A, +Allam E. Heterotopic Ossification Post COVID-19. Oral presentation at European Society of Medicine General Assembly. Virtual meeting. Aug 4, 2022.

INVITED PROFESSOR and INVITED LECTURER

+James JR. A Peek into the Role of a Medical Physicist in Y90-Radioembolizations. Invited speaker at The Central Chapter Society of Nuclear Medicine and Molecular Imaging 2023 Annual Spring Meeting, Oak Brook, IL. March 11-12, 2023.

+Mallik, AK. CPA/IAC (cerebellopontine angle and internal Auditory Canal). Invited lecturer at the (Clinical Imaging) Utah Head and Neck Neuroimaging Conference. University of Utah. March 2023.

+Allam E. MSK Eponyms. Invited lecturer. Chicago Radiological Society. Rush University Medical Center, Chicago, IL. Feb 23, 2023.

+Song A, +Allam E, Guido L, Aksone N. MSK Ultrasound Workshop. Invited lecturer and demonstration. American College of Foot and Ankle Surgeons (ACFAS) annual scientific conference. Los Angeles, CA. Feb 10-11, 2023.

+Bian J. Optimization-Based Image Reconstruction for Cone-beam CT. Invited lecturer at Department of Imaging Physics Seminar, University of Texas MD Anderson Cancer, Houston TX. January 2023.

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

+James JR. Diagnostic Physics Lecture Series. Invited lecturer for University of Arizona, Tucson, AZ. December 2022.

+Mallik AK. DTI in Clinical Practice. Invited lecturer at the Western Neuroradiological Society. October 2022.

+Shea S. Neurology Grand Rounds. MRI Physics Explained Through Stroke Imaging. Invited lecturer at Loyola University Medical Center, Maywood, IL. September 2022

DEPARTMENT OF RADIOLOGY RESIDENT GRAND ROUND PRESENTATIONS:

Mosenthal, McKenzie – "MICU" topic, April 7, 2023

Gidley, Patrick – Motor Vehicle Collision Injury Patterns in Trauma Imaging, April 7, 2023

Carpenter, Garrett – Fibroblast Activation Protein: A Novel Target for Cancer Imaging & Therapy, March 3, 2023

Albakri, Alaa – Neuroradiology, March 10, 2023

Elmaoued, Alaa - The Temporomandibular Joint, February 16, 2023.

Ong, Chiew-Jen – Non-accidental Injury in the Elderly, Feb 3, 2023.

Lovrec, Petra – GI Abdominal Surgeries, January 6, 2023

Yasin, Laith – Imaging of the Elbow, January 6, 2023.

Sechrist, Emma – Breast Jeopardy, October 17, 2022

Shah, Love – Fleischner Society Guidelines for Managing Incidental Pulmonary Nodules, October 7, 2022

Anand Rohit - . MSK Infections, September 2, 2022.

Rincy, Benjamin – Bosniak Classification of Renal Cystic Masses, September 2, 2022.

DiGrazia, Gianna - Jeopardy MSK Boards Primer, August 5, 2022 -

Ness, Joseph – Prostate Artery Embolization for Benign Hyperplasia, August 5, 2022

GRANTS:

Patel HD & Gupta G, Investigators; +Ozga T, Co-Investigator. A Prospective Diagnostic Cohort Study to Compare the Accuracy of Renal Mass Biopsy, PEER, and 99mTc-sestamibi

RESEARCH SUMMARY ACADEMIC YEAR 2022-2023

SPECT/CT for Patients with Clinically Localized Renal Tumors. Riising Tide Foundation for Clinical Cancer Research. February 2022 to present

Jawahar A, +Allam E (PI). Preliminary Study Evaluating Anxiety Levels Associated with Different Radiology Resident Educational Models and the Impact on the Training Learning Process. Loyola University York Grant. \$5,000 per year. 2022-Present.

+Lomasney LM, +Lim-Dunham, J, +Song A, *Digrazia G, *Yasin L, +Allam E (PI). The Use of Modern Technology for Improving Ultrasound Education among Early Ultrasound Learners in Loyola University. Loyola University York Grant. \$5,000 per year. 2019-Present.

OTHER:

+Molvar C. A Pilot Randomized Trial of Transarterial Chemoembolization With or Without Stereotactic Body Radiation Therapy for Hepatocellular Carcinoma Patients Awaiting Liver Transplantation. US multicenter clinical trial. 2014 – present. NCT01918683. **Co-investigator.** Enrolled more patients than any other satellite center.

+Molvar C. Serum biomarker response to local regional therapy for primary liver malignancy. Prospective study. Clinical trial. IRB. 2015 – present. **Co-investigator.**

+Molvar C. International Randomized Study of Transarterial Chemoembolization (TACE) versus Stereotactic Body Radiotherapy (SBRT) / Stereotactic Ablative Radiotherapy (SABR) for Residual or Recurrent Hepatocellular Carcinoma after Initial TACE. International multicenter clinical trial. 2018 – present. **Co-investigator.**