

Beaumont Health – Research Institute

2022 Report of Research Accomplishments

Submission Form

Department/Division: Diagnostic Radiology and Molecular Imaging

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Peer-Reviewed Articles:

Figacz A, Brazier A, Brazier J, Jamil LH, Nandalur K, Al-Katib S. Acalculous variant of Mirizzi syndrome: Imaging and clinical characteristics. Clin Imaging. 2023 Feb;94:62-70. doi: 10.1016/j.clinimag.2022.11.017. Epub 2022 Dec 2. PMID: 36495847

Kakish D, Tominna M, Krishnan A. Hemimegalencephaly: Evolution from an atypical focal early appearance on fetal MRI to more conventional MR findings. Cureus. Published 8/13/22. 14(8): e27976. doi:10.7759/cureus.27976

Krishnan A, Kaleka G, Emerson S, Sovak G, Simmons H, Brunner K, et al. Anatomical and radiological description of the Macaca Fascicularis spine in comparison with the human spine. Open Journal of Veterinary Medicine, 12, 171-186.
doi: [10.4236/ojvm.2022.1212014](https://doi.org/10.4236/ojvm.2022.1212014)

Miller T, Bis G. Ultrasound-guided injection of the pisotriquetral joint: technique and case series. Skeletal Radiol (2022). Published January 26, 2022.
<https://doi.org/10.1007/s00256-022-03992-z>.

Nandalur KR. Hepatic Mucinous Cystic Neoplasm: A step forward towards a meaningful classification system. Acad Radiol. 2022 Aug;29(8):1157-1158. doi: 10.1016/j.acra.2021.12.030. Epub 2022 Jan 31. PMID: 35105523

Nandalur KR, *Walker D, Ye H, Al-Katib S, Seifman B, Gangwish D, et al, [Dhaliwal A]. Impact of the bladder detrusor muscular ring on lower urinary tract symptoms due to benign prostatic hyperplasia: A quantitative MRI analysis. Prostate. 2023 Feb;83(3):259-267. doi: 10.1002/pros.24457. Epub 2022 Nov 7. PMID: 36344473

Padmanaban V, Yee PP, Koduri S, Zaidat B, Daou B, Chaudhary N, et al, [Kazmierczak C]. Neuroendovascular procedures in patients with Ehlers Danlos type IV: Multicenter case series and systematic review. World Neurosurg. 2023

Feb;170:e529-e541. doi: 10.1016/j.wneu.2022.11.067. Epub 2022 Nov 17. PMID: 36402305.

Pakray A, *Surro A, Gibson D, Tahawi A. Ruptured median raphe cyst mimicking a vascular penile mass on ultrasound. *Hindawi Case Reports in Radiology*, Volume 2022, Article ID 8899541, <https://doi.org/10.1155/2022/8899541>, February 28, 2022.

Sargent T, **Kolderman N,** Nair GB, Jankowski M, **Al-Katib S.** Factors influencing the total procedure time of CT-guided percutaneous core needle biopsies of lung nodules: a retrospective analysis. *Diagn Interv Radiol* 2022; DOI 10.5152/dir.2022.20731 - Available online at [DIR_0731-20_R3.pdf \(dirjournal.org\)](https://doi.org/10.5152/dir.2022.20731)

Sargent T, **Al-Katib S.** Computed Tomography Imaging of Iatrogenic Esophageal Injuries. *J Comput Assist Tomogr.* 2022 Mar 16. doi: 10.1097/RCT.0000000000001283. Epub ahead of print. PMID: 35297793.

Sharma J, Joshi R, Al-Hakim MM, **Wang AM.** An unusual case of non-traumatic perilymphatic fistula with acute presentation. *Clin Neuroradiol.* 2022 March;32(1):299-301. doi: 10.1007/s00062-021-01038-w. Epub 2021 Jun 8. PMID: 34104976.

Toma C, Bunte MC, Cho KH, Jaber W, Chambers J, Stegman B, et al, [**Savin M**]. Percutaneous mechanical thrombectomy in a real-world pulmonary embolism population: Interim results of the FLASH registry. *Catheter Cardiovasc Interv.* 2022;99:1345-1355; doi: 10.1002/ccd.30091

Toma C, Jaber WA, Weinberg MD, Bunte MC, Khandhar S, Stegman B, et al, [**Savin M**]. Acute outcomes for the full US cohort of the FLASH mechanical thrombectomy registry in pulmonary embolism. *EuroIntervention* 2022; 17:1-1 published online. DOI: 10.4244/EIJ-D-22-00732

Book Chapters:

Lin DS, Wong KK, Caoili E, Shields J, Avram AM, Viglianti BL. Adrenal gland imaging. In *Robertson: DeGroot's Endocrinology*, 8th Edition, edited by R. Paul Robertson. Philadelphia, PA: Elsevier, 2022.

Abstracts:

Abbas A, Savin J, *Vartanian SA. Transhepatic retrieval of an abandoned ventriculoatrial shunt catheter. International Symposium on Endovascular Therapy (ISET) 2022, January 16-19, 2022, Hollywood, FL.

Abuelroos D, Clement D, Kolderman N, Nandalur K, Al-Katib SA. The ABC's of GPA: Thoracic manifestations of granulomatous with polyangiitis. Society of

Advanced Body Imaging (SABI) Annual Meeting, October 22-26, 2022, New Orleans, LA.

Brazier A, Brazier J, Pouzar A, Shetty M. Unexpected imaging findings following uterine interventions. Society of Advanced Body Imaging (SABI) Annual Meeting, October 22-26, 2022, New Orleans, LA.

Chang O, Chung S, **Wilseck J**, Kahana A. Intraorbital transvenous embolization of direct arteriovenous fistula. American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS) 53rd Annual Fall Symposium, September 29-30, 2022, Chicago, IL.

Dearden A, Ghannam J, Krishnan A, Wang AM, Barry K. Neuroimaging spectrum of non-neoplastic myelopathy – compressive lesions. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY.

Dearden A, Ghannam J, Wang AM, Barry KA, Krishnan A. The Onus on the Conus: A Neuroimaging Spectrum of Conus Medullaris Pathologies. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY.

Dhaliwal A, Noujaim S. Benign and malignant cervical lymphadenopathy: A practical imaging approach to the diagnosis of common and uncommon conditions. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY.

Dearden A, Doty J, Fellows J, Krishnan A. A rare case of autoimmune Glial Fibrillary Acidic Protein Astrocytopathy. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY

Dearden A, Ghannam J, Wang AM. Dear Radiologist: Cure my disc bulge, but please don't miss my spinal tumor! American Society of Spine Radiology (ASSR) Annual Symposium, February 23-27, 2022, Austin, TX.

Dearden A, Joshi R, Figacz A, Al-Katib S. Using autohotkey scripts to perform voice-commanded calculations for dictated radiology reports. American Roentgen Ray Society (ARRS) Annual Meeting, May 1-5, 2022, New Orleans, LA.

Dhaliwal A, Krishnan A, Wang AM, Silbergleit R. Optic neuritis, perioptic neuritis, and mimicking pathologies. American Society of Head and Neck Radiology (ASHNR) Annual Meeting, September 7-11, 2022, Denver, CO.

Dhaliwal A, Shetty M, Al-Katib S. Spectrum of cavitory Pulmonary nodules. Society of Advanced Body Imaging (SABI) Annual Meeting, October 22-26, 2022, New Orleans, LA.

Figacz A, Jamil L, **Al-Katib S**. Imaging and clinical characteristics of a proposed variant of Mirizzi syndrome. Society of Abdominal Radiology (SAR) Annual Meeting, February 27 – March 4, 2022, Scottsdale, AZ.

Figacz A, Jankulov A, **Khan AM**, Khan M. The sphenoid trigone: Aliases, anatomy, importance and pathology. American Society of Head and Neck Radiology (ASHNR) Annual Meeting, September 7-11, 2022, Denver, CO.

Ghannam J, Dearden A, Joshi R, Krishnan A, Wang AM, Barry K. Neuroimaging spectrum of non-compressive non-neoplastic myelopathy. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY

Ghannam J, *Kelsch R, Farah M, Al-Katib S. CT features of cystic lung disease: Common and rare entities. American Roentgen Ray Society (ARRS) Annual Meeting, May 1-5, 2022, New Orleans, LA.

Hussain HK, Marrero J, **Nghiem HV**, Francis IR, Londy FJ, Charleston E, et al. Dynamic contrast-enhanced MRI for the assessment of hepatic tumor vascularity in response to anti-copper antiangiogenesis therapy. The International Society of Magnetic Resonance in Medicine (ISMRM), May 7-12, 2022, London, England.

Joshi R, Abbas A, Wilseck J. Vertebral artery pathology: A case-based review of diagnosis and angiographic intervention. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY

***Kelsch R, Lima C, Krishnan A**. Congenital CMV in the COVID era: Overview of pre and post-natal CMV imaging and our experience with CMV COVID-19 Co-infection. American Society of Pediatric Neuroradiology (ASPNR) Annual Meeting, January 7-9, 2022, Miami, FL. IRB: 2014-045

***Kelsch R, Shetty M, Nghiem H, Al-Katib S, Sokhandon F**. What's in the bag? Magnetic resonance imaging of the gallbladder. Society of Abdominal Radiology (SAR) Annual Meeting, February 27 – March 4, 2022, Scottsdale, AZ.

***Kelsch R, Moore M, Krishnan A**. Pre and postnatal magnetic resonance imaging of ventriculomegaly. Society of Pediatric Radiology (SPR) Annual Meeting, April 27 – May 1, 2022, Denver, CO.

***Kelsch R, Ghannam J, *Farah M, Al-Katib S**. Diffuse lung disease by distribution: Pattern based approach. American Roentgen Ray Society (ARRS) Annual Meeting, May 1-5, 2022, New Orleans, LA.

***Kelsch R, Krishnan A**. Case-based and algorithmic approach to intra-axial brain tumors with 2021 WHO classification updates. American Roentgen Ray Society (ARRS) Annual Meeting, May 1-5, 2022, New Orleans, LA. Received Award.

Lima C, Krishnan K, Kelsch R. Syntelencephaly from fetal life to adulthood. American Society of Pediatric Neuroradiology (ASPNR) Annual Meeting, January 7-9, 2022, Miami, FL. IRB: 2014-045

Meliksetyan D, **Brazier A, Pouzar A, Al-Katib S.** You're testing my patients: Clinicians' preferences for structured reporting and measurement data. Society of Thoracic Radiology (STR) Annual Meeting, March 19-23, 2022, Las Vegas, NV.

Nandalur K, *Walker D, Hong Y, **Al-Katib S,** Siefman B, Gangwish D, et al. Expansion of the detrusor muscular ring surrounding the bladder neck on MRI: Moving beyond the prostate as an etiology of lower urinary tract symptoms due to benign prostatic hyperplasia. Radiological Society of North America (RSNA) Annual Meeting, November 27 – December 1, 2022, Chicago, IL.

Ngo H, Nair G, **Al-Katib S.** Impact of a Structured Reporting Template on the Quality of HRCT Radiology Reports for Interstitial Lung Disease. American Medical Association Research Challenge. October 20 December 7, 2022. Virtual

Ngo H, Nair G, **Al-Katib S.** Impact of a structured reporting template on the quality of HRCT radiology reports for interstitial lung disease. Association of University Radiologists (AUR) Annual Meeting, March 22-25, 2022, Phoenix, AZ.

Pakray A, Sokhandon F, Meliksetyan D. Variegated abdominal wall hernias and associated complications. Society of Abdominal Radiology (SAR) Annual Meeting, February 27 – March 4, 2022, Scottsdale, AZ.

Palamara E, Wang AM, Noujaim SE, Barry K, Suleiman K, Al-Hakim M, **Silbergleit R.** COVID-19 Associated myelin oligodendrocyte glycoprotein antibody-associated disease (MOGAD). American Society of Spine Radiology (ASSR) Annual Symposium, February 23-27, 2022, Austin, TX.

Palamara E, Wang AM, Silbergleit R, Fahim D, Chieng L. Intradural extramedullary Ewing Sarcoma. American Society of Spine Radiology (ASSR) Annual Symposium, February 23-27, 2022, Austin, TX.

Raman S, Arora S, Macura K, Costa D, Tirkes T, Oto A, et al, [**Nandalur K**]. Pivotal trial of MRI-guided transurethral ultrasound ablation in men with localized prostate cancer: Three-year follow-up. Society of Interventional Radiology (AIR) Annual Meeting, June 11-16, 2022, Boston, MA.

***Rizk M, Ghannam J, Khan M.** Spontaneous aneurysmal subdural hemorrhage: A rare entity. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY.

Sokhandon F, Grand D., GI Bleeding at CTA and CTE: Case based review of imaging technique, interpretation and reporting. Society of Abdominal Radiology (SAR) Annual Meeting, February 27 – March 4, 2022, Scottsdale, AZ.

Stevens DA, ***Savin JH**, Friedman BJ, **Savin MA**. Irreversible electroporation for recurrent pelvic metastases: Case series and literature review. Poster Presentation. Symposium on Clinical Interventional Oncology (CIO), September 23-25, 2022, Miami, FL.

Suhrawardya A, Almsaddia T, Frieda S, **Al-Katib S**, Moore D, Barremkalaa M. Radiology and module-based learning to teach musculoskeletal anatomy and pathology to preclinical medical students. Michigan Orthopedic Society (MOS) Annual Meeting, June 17-19, 2022, Mackinaw Island, MI.

***Walker D**, **Nandalur K**, **Al-Katib S**, **Kolderman N**. Spectrum of cystic prostatic lesions: MRI imaging findings and updated review. Society of Abdominal Radiology (SAR) Annual Meeting, February 27 – March 4, 2022, Scottsdale, AZ.

Wilseck J, ***Kelsch R**, Wilseck Z. Neurovascular emergencies: Imaging diagnosis and technical nuances. American Osteopathic College of Radiology (AOCR) Annual Convention, April 4-8, 2022, Tampa, FL.

Invited Lectures:

Kazmierczak C. Acute stroke interventions. Beaumont Hospital 24h Annual Medical Staff Symposium, June 18, 2022, Boyne Falls, MI.

Krishnan A. ASPNR programing: Interesting pediatric neuroradiology case session (SA-CME): Seizures. American Society of Neuroradiology (ASNR) Annual Meeting, May 14-18, 2022, New York City, NY.

Krishnan A. Sella and Pituitary Imaging, Henry Ford Hospital, May 20, 2022, Detroit, MI.

Noujaim S. MRI and CT cystic neck mass: A practical approach, Henry Ford Hospital, May 20, 2022, Detroit, MI.