

# Corewell Health William Beaumont University – Research Institute

## 2023 Report of Research Accomplishments

### Submission Form

Department/Division: Diagnostic Radiology and Molecular Imaging

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#### Peer-Reviewed Publications:

Abdullah, R, Azam, M, **Clement, D, Al-Katib, S.** (2023). Magnetic Resonance Cholangiopancreatography (MRCP) Findings in a Patient With AIDS Cholangiopathy and Cryptosporidiosis. *Cureus*, 15(9).

Han EA, **Nandalur KR**, Morgan MA, Arora SS, Loening AM, Bivalacqua TJ, et al. MRI of benign prostatic hyperplasia: Important pre- and post-therapeutic considerations. *Radiographics*. 2023 May;43(5):e220096. doi: 10.1148/rg.220096. PMID: 37022958.

Hatiboglu G, Nair S, Relle J, Hafron J, Kassam Z, **Nandalur K**, et al. Durability of functional outcomes after MRI-guided transurethral ultrasound ablation of the prostate: Five-year follow-up. *JU Open Plus* [1\(7\):e00035, July 2023.](#) | DOI: 10.1097/JU9.0000000000000034

Kalra R, Bamashmous EO, **Krishnan A.** Chiari III malformation in a neonate. *BMJ Case Rep*. 2023 Dec 9;16(12):e255677. doi: 10.1136/bcr-2023-255677. PMID: 38087482; PMCID: PMC10729075.

Lee D, **Krishnan A**, Collins R. Reversible cerebral vasoconstriction syndrome in the postpartum period: A case report and review of the literature. *Int J Gynecol Obstet*. 2023; 00: 1- 6. PMID: 36965125 doi:[10.1002/ijgo.14756](#)

**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

Ngo HG, Nair GB, **Al-Katib S.** Impact of a structured reporting template on the quality of HRCT radiology reports for interstitial lung disease. *Clin Imaging*. 2023 May;97:78-83. doi: 10.1016/j.clinimag.2023.03.004. Epub 2023 Mar 7. PMID: 36921449.

Stromberg J, Grills I, Watson T, Kupovits C, Sessa B, **Al-Katib S**, et al. Implementation of an integrated lung cancer screening program at a large academic community health system in the U.S. *J Thorac Oncol*. 2023 Nov;18(11 Suppl.):S460. doi:10.1016/j.jtho.2023.09.844

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* 2023 Feb 20;18(14):1201-1212. doi: 10.4244/EIJ-D-22-00732. PMID: 36349702

### **Non-Peer-Reviewed Publications:**

#### **Book or Chapters:**

Ngo HG, Dandu C, Nair GB, **Al-Katib S**. (2023). Nonrandomized controlled trials. In Eltorai AEM, Liu T & Chand R, Kalva SP (Eds.), *Translational Interventional Radiology Handbook for Designing and Conducting Clinical and Translational Research*. (1<sup>st</sup> ed., pp 241-245). Academic Press Elsevier.

<https://www.elsevier.com/books/translational-interventional-radiology/eltorai/978-0-12-823026-8>

#### **Conference Presentations:**

**Abuelroos D, Odisho L, Sokhandon F, Kolderman**. A diagnostic dilemma: Rare case of round ligament leiomyoma mimicking lymphadenopathy in a patient with history of leukemia and melanoma. American Medical Women's Association (AMWA), March 23-26, 2023, Philadelphia, PA.

**Abuelroos D, Ragheb A, Nandalur K, Kolderman N, Al-Katib**. Sarcoidosis: A pictorial primer on the usual and unusual imaging manifestations of sarcoidosis. Society of Thoracic Radiology (STR), March 5-8, 2023, Charleston, SC.

**Abuelroos D, Odisho L, Figacz A, Al-Katib S, Kolderman N**. Prostate-specific membrane antigen: An introduction to PSMA PET/CT for the body imager. Society of Advanced Body Imaging (SABI), October 7-11, 2023, Dallas, TX.

Almsadi T, **\*Sharma J, Al-Katib S**. Pulmonary MALT. Case Collection. Radiological Society of North America (RSNA), January 2023. Online.

Azouz H, **Tech K, Dekelbab B**. Growth hormone deficiency. Pediatric Endocrine Society (PES), May 5-8, 2023, San Diego, CA.

**Brazier A**, Daaboul R, **Sokhandon F**. Unusual presentations of portal hypertension with imaging correlation: A case-based review. Society of Abdominal Radiology (SAR), February 26 - March 4, 2023, Austin, TX.

**Brazier A**, **Noujaim S**, Noujaim D. Cystic neck masses: A practical approach to congenital and developmental anomalies. American Society of Head and Neck Radiology (ASHNR), September 20-24, 2023, Orlando, FL.

**Clement D**, **Kirsch A**, **Shetty M**, **Al-Katib S**. The rolling stones: Normal GI/GU stones in abnormal locations and their acute complications. American Society of Emergency Radiology (ASER), October 18-21, 2023. San Diego, CA.

Daniel J, **Al-Katib S**. Post-COVID interstitial lung disease. Case Collection. Radiological Society of North America (RSNA). March 2023. Online.

**Dhaliwal A**, Sargent T, **Al-Katib S**, **Shetty M**. Outcomes of CT-guided percutaneous needle biopsy for cavitory pulmonary lesions. Society of Thoracic Radiology (STR), March 5-8, 2023, Charleston, SC.

**Dhaliwal A**, Ramanathan S, **Noujaim S**. Navigating cystic and necrotic cervical lymphadenopathy. American Society of Head and Neck Radiology (ASHNR), September 20-24, 2023, Orlando, FL.

**Dhaliwal A**, **Ragheb A**, **Al-Katib S**, **Shetty M**, **Nandalur K**. Targeting the unknown: A stepwise approach to CT-guided biopsy of cavitory lung nodules. Radiological Society of North American (RSNA), November 26 – 30, 2023, Chicago, IL.

**Dhaliwal A**, Sargent T, **Al-Katib S**, **Shetty M**. Outcomes of CT-guided percutaneous needle biopsy for cavitory pulmonary lesions. Society of Interventional Radiology (SIR), March 4-9, 2023, Phoenix, AZ.

Gangwish, D, **Nandalur K**, **\*Walker D**, Ye H, **Al-Katib S**, Seifman S, Et al, [**Abhay Dhaliwal**]. Bladder detrusor muscular ring size on MRI is associated with moderate and severe American Urological Association Symptom index scores in untreated men with benign prostatic hyperplasia-A potential novel predictor of LUTS. American Urological Association (AUA), April 28 – May 1, 2023, Chicago, IL.

**\*Joshi R**, **\*Sharma J**, **\*Abbas A**, **Krishnan A**. Common pitfalls in seizure imaging: A practical approach. American Society of Neuroradiology (ASNR), April 29- May 3, 2023, Chicago, IL.

**Kolderman, N**. An introduction to prostate specific membrane antigen for body imagers. Society of Abdominal Radiology (SAR), February 26 - March 4, 2023, Austin, TX.

Lee J, Nandalur S, Hazy A, **Al-Katib S**, Quinn TJ, Kim KM, et al [**Dhaliwal A**, **Nandalur K**]. Novel quantitative prostate MRI predictors of late genitourinary toxicity after radiation: A step forward in pretherapeutic risk-stratification. Radiological Society of North American (RSNA), November 26 – 30, 2023, Chicago, IL.

Li M, **Lima C, Krishnan A, Noujaim S**. Perineural spread of head and neck neoplasms along cranial nerves. American Roentgen Ray Society (ARRS), April 16 – 20, 2023, Honolulu, HI.

**Lima C, Pouzar A, Abuelroos D, Lin D, Kolderman N, Nandalur K, Al-Katib S**. Common and uncommon mimics of thoracic malignancy on PET/CT: Pearls and pitfalls. American Roentgen Ray Society (ARRS), April 16 – 20, 2023, Honolulu, HI.

Moore MBS, Toates SBS, **Lima C**, Asare B, Melik DBS, **Shetty M**. Potential practices to grow interest in diagnostic radiology among female medical Students. Medical Women's Association (MWIA), March 23-26, 2023, Philadelphia, PA.

**Nandalur K**, Ye H, Seifman B, **Al-Katib S**, Quinn TJ, Lee J, et al. [**Dhaliwal A**]. Magnetic Resonance Imaging PI-RADS score as an independent predictor of active surveillance prostate cancer outcome: Data from the large cohort Michigan Urological Surgery Improvement Collaborative (MUSIC). Radiological Society of North American (RSNA), November 26 – 30, 2023, Chicago, IL.

Raman S, Arora S, Macara K, Ota A, Futterer J, Staruch R, ET al. [**Nandalur K**]. Pivotal study of magnetic resonance imaging-guided transurethral ultrasound ablation (TULSA) of the prostate: 4-year follow up. Society of Interventional Radiology (SIR), March 4-9, 2023, Phoenix, AZ.

**Pouzar A, Brazier A, Tominna M**. Catch a ride through the canal of nuck to explore radiologic imaging of vulvar region pathologies. Society of Pediatric Radiology (SPR), May 16 – 20, 2023, Austin, TX.

**\*Sharma J, \*Joshi R, \*Abbas A, Krishnan A**. Something smells fishy: A pictorial review of Olfactory Groove Lesions. American Society of Neuroradiology (ASNR), April 29- May 3, 2023, Chicago, IL.

Stromberg JS, Grills IS, Watson TJ, Kupovits CA, Sessa B, **Al-Katib S**, et al. Implementation of an integrated lung cancer screening program at a large academic community health system in the U.S. World Conference on Lung Cancer (WCLC), September 9-12, 2023, Singapore.

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. Oakland University William Beaumont School of Medicine (OUWB), May 15 - 19, 2023, Royal Oak, MI.

## **Invited Lectures**

**Al-Katib S**. Pulmonary Critical Care Medicine Grand Rounds: Imaging Interstitial Lung Disease. May 2023. Grand Rounds for Corewell Health East and Corewell Health West. Corewell Health William Beaumont University Hospital, Royal Oak, MI.

**Hansman J.** University of Illinois at Chicago on 1/25/2023 entitled Introduction to Vascular Ultrasound

**Krishnan A.** Pineal Pathology: Borderland of Development and Neoplasia. Invited lecture at the American Society of Pediatric Neuroradiology (ASPNR) annual meeting Jan 13, 2023, New Orleans, United States of America

**Krishnan A.** Functional MRI of the brain. Neurology Grand Rounds. Corewell Health William Beaumont University Hospital, Royal Oak, MI. 4/27/2023

**Krishnan A.** Sella and suprasellar lesions. 10<sup>th</sup> Annual Neuroradiology Review Course. Henry Ford Hospital, Detroit, MI 5/12/2023

**Loveridge K.** Updates in Percutaneous Management of Gallbladder and Biliary Stone Disease. Presented at William Corewell University Hospital, Department of Surgery Grand Rounds, November 2023

**Nandalur K.** The treated prostate – How to apply PI-RR. Society of Abdominal Radiology (SAR), February 26 - March 4, 2023, Austin, TX.

**Nandalur K.** Hands on course: Prostate MRI. Society of Abdominal Radiology (SAR), February 26 - March 4, 2023, Austin, TX.

**Rebner M.** Breast cancer screening in the United States. RSNA Invited talk. 11.30.2023

**Silbergleit R.** Physician Extenders in Radiology. 2023 Midwest Chairs Annual Meeting, Chicago, IL, January 2023.