

MOHIUDDIN HADI, MD

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EDUCATION

- 07/2001 - 07/2004 **Nuclear Medicine Residency**
Awarded degree: Doctor of Medicine (MD, Nuclear Medicine)
All India Institute of Medical Sciences, New Delhi, India
- 08/1995 - 12/2000 **Medical School**
Degree: Bachelor of Medicine and Bachelor of Surgery (MBBS)
All India Institute of Medical Sciences, New Delhi, India
- 06/2008 - 06/2009 **Transitional Year Internship**
Hennepin County Medical Center, Minneapolis, MN
- 07/2009 - 06/2013 **Diagnostic Radiology Residency**
Certified in Diagnostic Radiology, American Board of Radiology.
University of Minnesota, Minneapolis, MN
- 07//2013 - 06/2015 **Neuroradiology Fellowship**
Certified in Neuroradiology, American Board of Radiology.
Massachusetts General Hospital/Harvard Medical School,
Boston, MA

ACADEMIC APPOINTMENTS

- 02/2007-06/2008 **Associate Specialist (Research)**
Department of Radiology and Biomedical Imaging,
University of California, San Francisco, CA
- 06/01/2016 - Present **Assistant Professor,**
Diagnostic Radiology (Neuroradiology Division)
University of Louisville,
Louisville, KY
- 11/01/2019 – Present **Program Director,**
Neuroradiology Fellowship Program
University of Louisville,
Louisville, KY

OTHER POSITIONS AND EMPLOYMENT

02//2001 - 06//2001	Non-Academic Junior Resident Department of Cardiac Radiology All India Institute of Medical Sciences, New Delhi, India
07/2001 - 07/2004	Resident (3 year residency in Nuclear Medicine) Department of Nuclear Medicine All India Institute of Medical Sciences, New Delhi, India
07/2004 - 11/2004	Senior Resident (equivalent to Chief Resident) Department of Nuclear Medicine All India Institute of Medical Sciences, New Delhi, India
11/2004 - 02/2007	Visiting Fellow (Research) NHLBI and NIH Clinical Center National Institutes of Health, Bethesda, MD
06/2008 - 06/2009	Intern Hennepin County Medical Center, Minneapolis, MN
07/2009 - 06/2013	Radiology Resident Department of Radiology University of Minnesota Medical School, Minneapolis, MN
07/2013 - 06/2015	Neuroradiology Fellow Neuroradiology Division, Department of Radiology Massachusetts General Hospital/Harvard Medical School Boston, MA

CERTIFICATION and LICENSURE

Medical License: KY Medical License (active)
MA Medical License (inactive)

ABMS Certifications: American Board of Radiology (ABR)
- Certification in Diagnostic Radiology - June 2013
- Certification in Neuroradiology (CAQ) - Oct 2015

ECFMG: ECFMG Certified, 02/2007

PROFESSIONAL MEMBERSHIPS and ACTIVITIES

2013-present: American Society of Neuroradiology
(also currently serving on Educational Exhibits Committee)

2017-present: American Society of Spine Radiology
(served on Education and Research Committee in 2019-20)

2017- current: American Roentgen Ray Radiology

2003-current: Society of Nuclear Medicine, India

2016-2019: Radiological Society of North America

2017-2018: Society of Nuclear Medicine and Molecular Imaging, USA

2017-2018: American Society of Functional Neuroradiology

HONORS & AWARDS

2021	Annual faculty award: Best Resident Lecture Series 2020-21 University of Louisville, Department of Radiology, USA
2019	Annual faculty award: Best Resident Lecture Series 2018-19 University of Louisville, Department of Radiology, USA
2017	Annual faculty award: Best Resident Lecture Series 2016-17 University of Louisville, Department of Radiology, USA
2008	Alavi-Mandel Award Society of Nuclear Medicine and Molecular Imaging, USA
2004	Visiting Post-doctoral Fellowship (Nov 2004 - Feb 2007) National Heart, Lung and Blood Institute, and NIH Clinical Center, National Institutes of Health, Bethesda, MD

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

University of Louisville:

- 1. Program Director, Neuroradiology Fellowship Program (ACGME-accredited),**
2019-present
University of Louisville,
Louisville, KY
- 2. Clinical Competency Committee, Neuroradiology Fellowship Program (AC-
GME-accredited),**
2019-present
University of Louisville,
Louisville, KY
- 3. Program Evaluation Committee, Neuroradiology Fellowship Program (AC-
GME-accredited),**
2019-present
University of Louisville,
Louisville, KY
- 4. Member, School of Medicine Students Academic Grievance Committee,**
2020-present
University of Louisville,
Louisville, KY

3. Member, Resident Education Committee

2020-present.

Diagnostic Radiology Residency
University of Louisville, Louisville, KY

4. Faculty Interviewer of ACGME-accredited Diagnostic Radiology residency applicants, and member of residency selection panel.

2020-present.

Diagnostic Radiology Residency
University of Louisville, Louisville, KY

Non-University:

1. Member, Educational Exhibits Committee,

2020-present

American Society of Neuroradiology, Oak Brook, IL.

2. Member, Education and Research Committee,

2019-2020

American Society of Spine Radiology, Oak Brook, IL.

EDUCATIONAL ACTIVITIES:

Major leadership role in an academic program:

Program Director of the newly established **Neuroradiology Fellowship**, with a key role in setting up this fellowship and obtaining approval and ACGME accreditation for the same.

Courses for students and residents at University of Louisville:

- Developed and delivered the following lectures and lecture series between 2016 and 2021 for the University of Louisville Diagnostic Radiology residency didactic program.
 1. Sep 28, 2016: Spine degenerative disease
 2. Nov 23, 2016: Temporal Bone Part 1
 3. Jan 25, 2017: Temporal Bone Part 2
 4. Feb 15, 2017: Skull Base
 5. Nov 29, 2017: Congenital CNS Disorders Part 1
 6. Jan 31, 2018: Sella
 7. Mar 12, 2018: Congenital CNS Disorders Part 2
 8. Apr 25, 2018: Cong CNS Part 3
 9. Aug 13, 2018: Temporal Bone Part 1
 10. Oct 1, 2018: Temporal Bone Part 2
 11. Nov 28, 2018: Degenerative disease of the spine
 12. Jan 21, 2019: Temporal Bone Part 3
 13. Mar 26, 2019: Skull base

14. Apr 17, 2019: Neuroradiology cases
15. Nov 25, 2019: Sella
16. Dec 14, 2019: Phakomatoses
17. May 27, 2020: Neurodegenerative Diseases and Dementias
18. July 22, 2020: R1 Lecture Series: Introduction to Spine
19. Aug 25, 2020: Temporal Bone Part 1
20. Sep 22, 2020: Temporal Bone Part 2
21. Dec 4, 2020: Temporal Bone Part 3
22. Dec 15, 2020: Temporal Bone Part 4
23. Jan 19, 2021: Skull base
24. Mar 29, 2021: Degenerative Spine
25. April 20, 2021: Congenital Spine Disorders

Teaching students in a clinical setting:

- As a faculty member within our ACGME accredited Diagnostic Radiology residency program, I review imaging studies on the PACS workstations with resident trainees, both pointing out and affirming clinically relevant findings that are overlooked or picked up by trainees, providing constructive feedback, and guiding them towards generating an informational, clinically focused radiology report that informs patient management and sometimes provides recommendations and guidance to further imaging or procedures. Occasionally, I supervise their performance of image guided procedures. While addressing the clinical question on these cases, I also use these cases as anchors to reinforce learning and application of medical knowledge.
- Often, other rotators such as medical students or residents from other specialties are in attendance, and I utilize this opportunity to engage learners at all levels and of different backgrounds in the discussions and teaching at the time.

Multidisciplinary conferences:

- I regularly participate as the attending neuroradiologist in multidisciplinary conferences such as tumor boards, including weekly neuro-oncology and head and neck oncology held at University of Louisville Hospital - Brown Cancer Center, fortnightly epilepsy surgery conferences held at Chestnut Street Outpatient Center and monthly Pituitary conferences held at Jackson Street Outpatient Center, as well as additional fortnightly Head and Neck Oncology tumor boards also held at the Robley Rex VA Medical Center.
- These play important educational roles for both attending physicians and trainees who attend these, beyond their important role in management of complex patients discussed in these conferences.

Advising doctoral students in a research setting:

- I have advised a PhD student in Bioengineering at University of Louisville from 2018-early 2020 on anonymized MRA datasets being used to study hypertension. (To clarify, this was NOT a formal Doctoral Advisor position, but collaboration on a research project).

Mentoring:

- I was one of the faculty participants in the **speed-mentoring** session of the “Choosing Radiology” session organized in September 2020 for medical students across the region as a collaborative venture between University of Louisville’s and University of Kentucky’s Radiology departments, quickly meeting many medical students one-on-one for short conversations on radiology as a career.
- I also **directly mentored an MS4 medical student** applying for Radiology residency on a research elective I supervised, who was successful in getting two manuscripts published as first author and subsequently matched into radiology residency.

Invited lectures outside my Department and/or outside University of Louisville:

1. Hadi M (2021, March) **Neuroimaging in Dementia.**
Department of Family and Geriatric Medicine, University of Louisville. Louisville, KY
2. Hadi, M. Lecture on **Temporal Bone Imaging** (1 hour) *Originally scheduled 2/19/21. Postponed due to Covid-19 precluding in-person cadaveric dissections. **Annual ENT Course on Temporal Bone**, Department of Otorhinolaryngology, University of Louisville.
3. Hadi M (2019, Sep). **Temporal Bone.**
Radiology resident noon lecture, University of Kentucky, Lexington, KY
4. Hadi M (2019, Feb). **Temporal Bone.**
Radiology resident noon lecture, University of Cincinnati, Cincinnati, OH
5. * Prior to joining University of Louisville. Hadi M. (2005, October). **Concepts in Image Processing** (Invited Lecture – 1 hour).
Presented at: National Naval Medical Center, Bethesda, MD
6. * Prior to joining University of Louisville. Hadi M. (2002, August). **Nuclear Oncology : the experience at the All-India Institute of Medical Sciences** (invited presentation - 30 minutes).
Presented at: International Atomic Energy Agency (IAEA) Regional Training Course in Nuclear Oncology; Manila, Philippines.

CLINICAL ACTIVITIES:

Role: As Assistant Professor of Neuroradiology, my clinical responsibilities include participating in providing neuroradiology clinical services and participating in the rotational weekend call schedule as assigned with standard additional compensation for each call rotation.

Locations:

- University of Louisville Hospital, including its Outpatient Centers.
- UofL Health Jewish Hospital
- Robley Rex VA Medical Center

Patients served: A diverse patient population, primarily adult, not only from the Louisville Metro region, but from throughout Kentucky and adjacent states in the region. A significant proportion of patients I serve present with or are followed up for strokes, cancers, trauma, infections, spine degenerative disease, and multiple sclerosis.

Clinical research: I take part in multiple clinical research activities as part of my clinical activities. Most notably, a retrospective study looking at CTA findings in strangulation injuries presenting at our Emergency Department, case reports, and multiple sponsored clinical trials running or planned at Brown Cancer Center.

GRANTS AND CONTRACTS (RESEARCH):

***Industrial Contracts** (for various clinical research trials both current and planned to be initiated in the near future at Brown Cancer Center, University of Louisville, Louisville, KY):*

As Co-Investigator

1. Sponsor: NovoCure Limited
 PI: Shiao Woo, MD
 Title: Pivotal, Randomized, open-label study of Tumor Treating Fields (Optune®, 200kHz) concomitant with radiation therapy and temozolomide for the treatment of newly diagnosed glioblastoma
 Role: Co-Investigator
 Status: Pending

As Key Personnel

2. Sponsor: Bristol Myers Squibb / Syneos Health
 PI: Vivek Sharma, MD
 Title: Phase 3 Study of Nivolumab and Ipilimumab, Nivolumab Monotherapy, or Placebo in Combination with Trans-arterial ChemoEmbolization (TACE) in Patients with Intermediate-stage Hepatocellular Carcinoma (HCC) [BMS-CA209-74W; CheckMate 74W]
 Role: Key Personnel
 Status: Current
 Contract: OGMN201049
 Award Dates: 11/02/2020 – 11/02/2026

3. Sponsor: ALX Oncology
 PI: Rebecca Redman, MD
 Title: A Phase 2 Study Of ALX148 In Combination With Pembrolizumab And Chemotherapy In Patients With Advanced Head And Neck Squamous Cell Carcinoma (ASPEN-04)
 Role: Key Personnel
 Status: Pending
4. Sponsor: Bristol Myers Squibb / Syneos Health
 PI: Vivek Sharma, MD
 Title: Phase 3 Study of Nivolumab in Combination with Ipilimumab Compared to Sorafenib or Lenvatinib as First-Line Treatment in Participants with Advanced Hepatocellular Carcinoma [BMS-CA209DW (Checkmate-9DW)]
 Role: Key Personnel
 Status: Pending
5. Sponsor: Checkmate Pharmaceuticals
 PI: Jason Chesney, MD
 Title: Multicenter, Open-Label, Phase 2 Study of Intratumoral CMP-001 In Combination with Intravenous Nivolumab In Subjects With Refractory Unresectable Or Metastatic Melanoma [CMP-001-010]
 Role: Key Personnel
 Status: Pending
6. Sponsor: Checkmate Pharmaceuticals
 PI: Jason Chesney, MD
 Title: Randomized, Open-Label, Active-Control, Phase 2/3 Study Of First-Line Intratumoral CMP-001 In Combination With Intravenous Nivolumab Compared To Nivolumab Monotherapy In Subjects With Unresectable Or Metastatic Melanoma [CMP-001-011]
 Role: Key Personnel
 Status: Pending
7. Sponsor: CytoDyn
 PI: Elizabeth Riley, MD

Title: Phase Ib/II Study of Leronlimab (PRO 140) Combined with Carboplatin in Patients with CCR5+ Metastatic Triple-Negative Breast Cancer (mTNBC) [CD07-TNBC (PRO 140)]
Role: Key Personnel
Status: Pending

8. Sponsor: Merck
PI: Vikas Singh, MD
Title: A Randomized Phase 3 Study Evaluating Cystectomy with Perioperative Pembrolizumab and Cystectomy with Perioperative Enfortumab Vedotin and Pembrolizumab versus Cystectomy Alone in Cisplatin-Ineligible Participants with Muscle-Invasive Bladder Cancer [(MK-3475-905 KEYNOTE-905/EV-303)]
Role: Key Personnel
Status: Pending

9. Sponsor: Merck
PI: Vivek Sharma, MD
Title: A Phase 3, Randomized Study to Evaluate the Efficacy and Safety of Pembrolizumab (MK-3475) plus Lenvatinib (E7080/MK-7902) plus Chemotherapy Compared with Standard of Care Therapy as First-line Intervention in Participants with Advanced/Metastatic HER2 Negative Gastric/Gastroesophageal Junction Adenocarcinoma [(MK-7902-015 (LEAP-015))]
Role: Key Personnel
Status: Pending

10. Sponsor: Merck
PI: Vivek Sharma, MD
Title: Phase III Extension Trial to Study the Long-term Safety and Efficacy in Participants with Advanced Tumors Who Are Currently on Treatment or in Follow-up in a Pembrolizumab Trial [(MK-3475-587-02)]
Role: Key Personnel
Status: Pending

11. Sponsor: NRG Oncology: NCI's National Clinical Trials Network (NCI-CIRB)
PI: Neal Dunlap, MD
Title: Randomized Phase II/III Trial Of Sentinel Lymph Node Biopsy Versus Elective Neck Dissection For Early-Stage Oral Cavity Cancer [(NRG-HN006)]

Role: Key Personnel
Status: Pending

12. Sponsor: Seagen
PI: Elizabeth Riley, MD
Title: A Single Arm, Open Label Phase 2 Study of Tucatinib in Combination with Trastuzumab Deruxtecan in Subjects with Previously Treated Unresectable Locally-Advanced or Metastatic HER2+ Breast Cancer [(SGNTUC-025)]
Role: Key Personnel
Status: Pending

EDITORIAL WORK:

Have served as an **invited peer-reviewer** of manuscripts for the following journals

<u>Date:</u>	<u>Journal Name</u>
06/2008:	Clinical Physiology and Functional Imaging
08/2012, 10/2015:	Journal of Nuclear Medicine
09/2015 , 11/2015:	Annals of Nuclear Medicine.
02/2016:	Annals of Nuclear Medicine.
10/2016:	Journal of Radiology and Imaging
08/2017, 12/2017:	Annals of Nuclear Medicine.
06/2018, 08/2018:	Annals of Nuclear Medicine.
01/2019, 04/2019, 12/2019:	Annals of Nuclear Medicine.
02/2020, 04/2020:	Annals of Nuclear Medicine.
08/2020:	Radiology Case Reports
03/2021:	Quantitative Imaging in Medicine and Surgery
04/2021:	Annals of Nuclear Medicine.

PEER REVIEWED PUBLICATIONS:

(* indicates corresponding author)

1. Heba Kandil, Ahmed Soliman, Fatma Taher, Mohammed Ghazal, **Mohiuddin Hadi**, Adel Elmaghraby, Ayman El-Baz. Analysis of The Importance of Systolic Blood Pressure Versus Diastolic Blood Pressure in Diagnosing Hypertension: MRA Study. 2020 IEEE International Conference on Image Processing (ICIP) Proceedings, Conference Paper. doi: 10.1109/ICIP40778.2020.9190990.
2. Heba Kandil, Ahmed Soliman, Fatma Taher, Mohammed Ghazal, **Mohiuddin Hadi**, Guruprasad Giridharan, Ayman El-Baz. A CAD System for the Early Prediction of Hypertension based on Changes in Cerebral Vasculature. 2019 IEEE International Conference on Imaging Systems and Techniques (IST) Conference Proceedings, 2019, pp. 1-5, doi: 10.1109/IST48021.2019.9010179.
3. Mamaliga T, White AC, Khattar NK, **Hadi M***. Anomalous Origin of the Anterior Choroïdal Artery Proximal to an Ipsilateral Fetal Posterior Cerebral Artery: Case Report of an Extremely Rare Anatomic Variant and Discussion of its Clinical Implications. Cureus. 2019 Dec 22;11(12):e6442. doi: 10.7759/cureus.6442. PMID: 31998570.
4. Mamaliga T, **Hadi M***. An unusual vermiform giant arachnoid granulation. Radiology Case Reports. Volume 14, Issue 12, December 2019, Pages 1525-1528.
5. Zuberi OS, Dixon T, Richardson A, Gandhe A, **Hadi M**, Joshi J: CT angiograms of the neck in strangulation victims: incidence of positive findings at a level one trauma center over a 7-year period. Emergency Radiology 2019, 26(5):485-492. PMID: 31055673
6. **Hadi M***, Maxwell AWP, Hirsch JA, Gonzalez RG, Maza N, Romero JM: Clinico-radiologic factors in paraclinoid aneurysms associated with aneurysm rupture: A CTA study. Clinical imaging 2019, 53:225-229. PMID: 30463050
7. Lohman BD, Sarikaya B, McKinney AM, **Hadi M**. Not the typical Tornwaldt's cyst this time? A nasopharyngeal cyst associated with canalis basilaris medianus. Br J Radiol. 2011 Sep; 84(1005):e169-71. PMID: 21849356.
8. Seo Y, Teo BK, **Hadi M**, Schreck C, Bacharach SL, Hasegawa BH. Quantitative accuracy of PET/CT for image-based kinetic analysis. Med Phys. 2008 Jul;35(7):3086-9. PubMed PMID: 18697532.
9. Teo BK, Badiie S, **Hadi M**, Lam T, Johnson L, Seo Y, Bacharach SL, Hasegawa BH, Franc BL. Correcting tumour SUV for enhanced bone marrow uptake: retrospective 18F-FDG PET/ CT studies. Nucl Med Commun. 2008 Apr;29(4):359-66. PubMed PMID: 18317301.

10. de Silva R, Raval AN, **Hadi M**, Gildea KM, Bonifacino AC, Yu ZX, Yau YY, Leitman SF, Bacharach SL, Donahue RE, Read EJ, Lederman RJ. Intracoronary infusion of autologous mononuclear cells from bone marrow or granulocyte colony-stimulating factor-mobilized apheresis product may not improve remodelling, contractile function, perfusion, or infarct size in a swine model of large myocardial infarction. *Eur Heart J*. 2008 Jul;29(14):1772-82. Epub 2008 May 23. PubMed PMID: 18502738; PubMed Central PMCID: PMC2575008.
11. **Hadi M***, Bacharach SL, Whatley M, Libutti SK, Straus SE, Rao VK, Wesley R, Carrasquillo JA. Glucose and insulin variations in patients during the time course of a FDG-PET study and implications for the "glucose-corrected" SUV. *Nucl Med Biol*. 2008 May;35(4):441-5. PubMed PMID: 18482681.
12. **Hadi M**, Chen CC, Whatley M, Pacak K, Carrasquillo JA. Brown fat imaging with (18)F-6-fluorodopamine PET/CT, (18)F-FDG PET/CT, and (123)I-MIBG SPECT: a study of patients being evaluated for pheochromocytoma. *J Nucl Med*. 2007 Jul;48(7):1077-83. Epub 2007 Jun 15. PubMed PMID: 17574980.
13. Timmers HJ, **Hadi M**, Carrasquillo JA, Chen CC, Martiniova L, Whatley M, Ling A, Eisenhofer G, Adams KT, Pacak K. The effects of carbidopa on uptake of 6-18F-Fluoro-L-DOPA in PET of pheochromocytoma and extraadrenal abdominal paraganglioma. *J Nucl Med*. 2007 Oct;48(10): 1599-606. Epub 2007 Sep 14. PubMed PMID: 17873132.
14. Le Meunier L, **Hadi M**, de Silva R, Carson JM, Dieckmann W, Bacharach SL. Comparison of three methods of partial volume correction in dynamic PET cardiac imaging: a phantom and a pig study. *IEEE Nuclear Science Symposium Conference Record*, 2005, Fajardo, PR, USA, 2005, pp. 2359-2363, doi: 10.1109/NSSMIC.2005.1596807.
15. Dasan JB, **Hadi M**, Karthikeyan G, Choudhury S, Thomas EJ, Kumar R, Malhotra A. Reproducibility of regional left ventricular wall thickening obtained by gating resting and redistribution 201Tl myocardial SPECT studies. *Nucl Med Commun*. 2004 May;25(5):487-93. PubMed PMID: 15100508.
16. Jose TE, **Mohiuddin H**, Patel C, Kumar R, Chandrashekar B, Malhotra A. Direct radionuclide cystography by supra-pubic puncture: comparison with conventional voiding cystourethrography. *Nucl Med Commun*. 2004 Apr;25(4):383-5. PubMed PMID: 15097813.
17. Kumar R, Chandrashekar N, Dasan JB, Ashok S, Rastogi S, Gupta V, **Hadi M**, Choudhury S. Recurrent osteoid osteoma: a case report with imaging features. *Clin Imaging*. 2003 Jul-Aug;27(4): 269-72. PubMed PMID: 12823924.
18. Kumar R, Dasan B, Choudhury S, **Hadi M**, Bandopadhyaya G, Malhotra A. Hemoptysis demonstrated on Tc99m-sulfur colloid scanning: a rare complication of amoebic liver abscess. *Clin Imaging*. 2002 Sep-Oct;26(5):296-8. PubMed PMID: 12213359.

ABSTRACTS AND PRESENTATIONS:

Oral, National/International:

1. **Hadi M**, Maza N, Maxwell A, Romero J. (Apr 2015). Multilobulated paraclinoid aneurysms may be more prone to rupture. **Oral presentation** at American Society of Neuroradiology 2015 Annual Meeting, Chicago , IL.
2. **Hadi M**, Bacharach SL, Whatley M, Rao VK, Straus SE, Carrasquillo JA. (2007, Nov). FDG- PET uptake in the cerebellar cortex may be a reliable indicator of the input function integral. (**Oral Presentation**). Presented at: Radiological Society of North America (RSNA); Chicago, IL.
3. **Hadi M**, Chen CC, Whatley M, Pacak, Carrasquillo JA. (2006, June). [F-18]-Fluorodopamine PET localization of brown fat in patients being evaluated for pheochromocytoma (**oral presentation**). Presented at: Society of Nuclear Medicine (SNM); San Diego, CA.
4. **Hadi M**, Nadig MR, Patel CD, Malhotra A. (2003, December). Lung-Heart ratio in Tc-99m- Tetrofosmin gated SPECT (**oral presentation**). Presented at: Society of Nuclear Medicine, India; Bhopal, India.
7. Choudhury SK, **Hadi M**, Kumar R, Pant GS, Dasan JB, Karthikeyan G, Malhotra A.. (2002, October). Thallium gated SPECT myocardial imaging : detection of post stress transient ischemic stunning (**oral presentation** as coauthor/presenting author). Presented at: 8th Congress of the World Federation of Nuclear Medicine and Biology; Santiago de Chile, Chile.
8. Dasan JB, Choudhury S, **Hadi M**, Kumar R, Karthikeyan G, Malhotra A.(2002, October). TI-201 gated-SPECT: post-exercise regional myocardial dysfunction in normoperfused territories as an indicator of TVD (**oral presentation** as co-author/presenting author). Presented at: 8th Congress of the World Federation of Nuclear Medicine and Biology; Santiago de Chile, Chile.
9. **Hadi M**, Dasan JB, Choudhury SK, Kumar R, Karthikeyan G, Sharma S, Malhotra A. (2002, October). Reliability of changes in wall motion and wall thickening using TI-201-gated SPECT, as an indicator of change in myocardial contractility. (**oral presentation**). Presented at: 8th Congress of the World Federation of Nuclear Medicine and Biology; Santiago de Chile, Chile.
10. Kumar R, Dasan JB, Choudhury S, Padhy AK, **Hadi M**, Bal CS, Bandyopadhyaya G, Malhotra A. (2002, October). Pelvic collection in post-renal transplant: role of renal scintigraphy (**oral presentation** as coauthor/presenting author). Presented at: 8th Congress of the World Federation of Nuclear Medicine and Biology; Santiago de Chile, Chile.

Posters: National/International:

1. **Hadi M**, Rao VK, Dale J, Bacharach SL, Whatley M, Dugan F, Tretler J, Avila N, Chen CC, Straus SE, Carrasquillo JA. (2006, June). Dual-time point positron emission tomography (PET) using [F-18]-fluorodeoxyglucose (FDG) in patients with autoimmune lymphoproliferative syndrome (ALPS). **Poster presented** at: Society of Nuclear Medicine (SNM); San Diego, CA.
2. **Hadi M**, LeMeunier L, Raval AN, Gildea KM, Dieckmann W, Carson JM, Lederman RJ, Bacharach SL, deSilva R. (2006, June). PET assessment of intracoronary (IC) infusion of unselected mononuclear cells (UMNC) derived from G-CSF mobilized apheresis product or bone marrow in reperfused myocardial infarction. **Poster presented** at: Society of Nuclear Medicine (SNM); San Diego, CA.
3. Thomas EJ, **Hadi M**, Tripathi M, Kumar A, Dasan JB, Chandrashekar N, Aggarwala S, Bal CS, Kumar R. (2002, October). Direct radionuclide cystography by suprapubic puncture method- a comparison with micturating cystourethrography in 45 children on follow up for vesico-ureteric reflux (oral presentation as co-author/presenting author). **Poster presented** at: 8th Congress of the World Federation of Nuclear Medicine and Biology; Santiago de Chile, Chile.

Published Abstracts

1. Does dipyridamole affect the input function in rest/stress Rb-82 studies? **Mohiuddin Hadi**, Elias Botvinick, Michael Dae, Carole Schreck and Stephen Bacharach J Nucl Med. 2008; 49 (Supplement 1):191P.
2. **Hadi M**, LeMeunier L, Raval AN, Gildea KM, Dieckmann W, Carson JM, Lederman RJ, Bacharach SL, deSilva R. PET assessment of intracoronary (IC) infusion of unselected mononuclear cells (UMNC) derived from G- CSF mobilized apheresis product or bone marrow in reperfused myocardial infarction. J. NUCL. Med. MEETING ABSTRACTS. 2006, May; 47 (Supplement):454P.
3. **Hadi M**, Rao VK, Dale J, Bacharach SL, Whatley M, Dugan F, Tretler J, Avila N, Chen CC, Straus SE, Carrasquillo JA. Dual-time point positron emission tomography (PET) using [F-18]- fluorodeoxyglucose (FDG) in patients with autoimmune lymphoproliferative syndrome (ALPS). J. NUCL. Med. MEETING ABSTRACTS. 2006, May; 47(Supplement):259P.
4. **Hadi M**, Chen CC, Whatley M, Pacak K, Carrasquillo JA. [F-18]-Fluorodopamine PET localization of brown fat in patients being evaluated for pheochromocytoma. J. NUCL. Med. MEETING ABSTRACTS. 2006, May; 47 (Supplement):167P.
5. Kumar R, Partha, Thomas EJ, **Hadi M**, Dasan JB, Malhotra A. Role of Tc-99m-tetrofosmin in differentiation of malignant and benign lung mass. Asian Journal of Surgery. 2003, Jan; 26 (1(Suppl)): FP1.6.

6. Choudhury SK, **Hadi M**, Kumar R, Pant GS, Dasan JB, Karthikeyan G, Malhotra A. Thallium gated SPECT myocardial imaging: detection of post stress transient ischemic stunning. World Journal of Nuclear Medicine. 2002, Sep; 1(Supplement 2): S6.
7. Dasan JB, Choudhury S, **Hadi M**, Kumar R, Karthikeyan G, Malhotra A. TI-201 gated-SPECT: post- exercise regional myocardial dysfunction in normoperfused territories as an indicator of TVD. World Journal of Nuclear Medicine. 2002, Sep; 1(Supplement 2): S3.
8. **Hadi M**, Dasan JB, Choudhury SK, Kumar R, Karthikeyan G, Sharma S, Malhotra A. Reliability of changes in wall motion and wall thickening using TI-201-gated SPECT, as an indicator of change in myocardial contractility. World Journal of Nuclear Medicine. 2002, Sep; 1(Supplement 2): S10.
9. Kumar R, Dasan JB, Choudhury S, Padhy AK, **Hadi M**, Bal CS, Bandyopadhyaya G, Malhotra A. Pelvic collection in post-renal transplant: role of renal scintigraphy. World Journal of Nuclear Medicine. 2002, Sep; 1 (Supplement 2): S78.
10. Thomas EJ, **Hadi M**, Tripathi M, Kumar A, Dasan JB, Chandrashekar N, Aggarwala S, Bal CS, Kumar R. Direct radionuclide cystography by suprapubic puncture method- a comparison with micturating cystourethrography in 45 children on follow up for vesico-ureteric reflux. World Journal of Nuclear Medicine. 2002, Sep; 1(Supplement 2): S149.
11. Kumar R, **Hadi M**, Choudhury SK, Dasan JB, Sharma S, Misra S, Behl VK, Malhotra A.. Implication of left ventricular dilatation in assessment of severity coronary artery disease using thallium-201 SPECT. Indian Journal of Nuclear Medicine. 2001, Dec; 16(4):164.
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ROLES IN CURRENT PRACTICE QUALITY IMPROVEMENT ACTIVITIES:

- 1. Improving Clinician Awareness and Use of American College of Radiology Appropriateness Criteria when ordering medical imaging studies. (PI: Mohiuddin Hadi, Co-investigators – Jonathan Joshi, MD and Tracy Van Meter, MD of Radiology)**

The study involves surveying resident physicians in internal medicine, and surgery for their awareness of these criteria, educating them on these, and as a direct result of this PQI initiative, now a 7-minute video has been incorporated into new resident orientation in 2020 by University of Louisville's Graduate Medical Education Office, and I am updating this for 2021 new resident orientation.
- 2. Radiology Departmental PQI: Quality and Safety Conferences** held monthly. Regular attendee, contributor, and active participant.

ADDITIONAL SKILLS

- Programming experience in IDL/Matlab
- Experience with a variety of open-source image processing tools in the Unix/Linux environment such as FSL, and other Image processing tools such as Brainlab, Dynasuite, SPM, Nordic-Ice, VasSol Nova, Vitrea, Terra-Recon, Syngo-Via, Free-surfer, MRICro etc.
- Experience with website design, sound and video editing, online video hosting, and embedding, useful in creating and disseminating radiology education materials.