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**Clinical Associate Professor at**  
**Michigan State University**  
**&**  
**Adjunct Associate Professor at**  
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**&**  
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## **Education and Training**

### **Education**

02/1991-04/1998 MD, Medicine, Tehran University of Medical Sciences, Tehran, Tehran Iran, Islamic Republic Of

### **Post Doctoral Training**

09/1999-09/2002 Residency, Radiology, Shiraz University of Medical Sciences, Shiraz, Fars Iran, Islamic Republic Of

07/2007-08/2007 Visiting Scholar, University of Pittsburgh Medical Center, Pittsburgh, PA

10/2008-06/2009 Fellowship, Clinical Lecturer I/Cardiothoracic Radiology Fellowship, University of Michigan Health Systems, Ann Arbor, MI

07/2009-06/2010 Fellowship, Pediatric Radiology, University of Michigan Health Systems, Ann Arbor, MI

### **Additional Education**

10/2002-12/2002 Observership in Pediatric Radiology, Tehran University of Medical Science, Tehran, Tehran Iran, Islamic Republic Of

## **Certification And Licensure**

### **Certification**

04/1998-present Doctorate of Medicine

09/2003-present Iranian Board of Radiology - Radiology

03/2005-present International English Language Testing System (IELTS)

09/2005-present Medical Council of Canada Evaluating Examination (MCCEE), Canada

10/2007-present Educational Commission for Foreign Medical Graduates (ECFMG)

09/2012-present American Board of Radiology (ABR) - Diagnostic Radiology #62875

10/2014-present American Board of Radiology (ABR) - Pediatric Radiology #62875

2008- 2026 Basic life support, American Heart Association

2012- 2026 Advanced Cardiovascular Life support – American Heart Association

### **Licensure**

12/2011-12/05/2025 State of Michigan, Controlled Substance

12/2011-12/05/2025 State of Michigan, Medical License

## **Academic, Administrative, Clinical, Research and Military Appointments**

### **Academic Appointments**

12/2002-04/2007	Assistant Professor, Gulf Medical College, Ajman, United Arab Emirates
10/2008-06/2009	Clinical Lecturer, Department of Radiology, University of Michigan Health Systems, Ann Arbor, MI
07/2010-08/2011	Clinical Lecturer II, Department of Radiology, University of Michigan Health Systems, Ann Arbor, MI
09/2011-08/2018	Clinical Assistant Professor, Department of Radiology, University of Michigan Health Systems, Ann Arbor, MI
09/2018-06/2020	Clinical Associate Professor in Radiology, University of Michigan - Ann Arbor, Ann Arbor, Michigan
07/2020- Present	Clinical Associate Professor in Radiology, Michigan State University, East Lansing, MI
07/2020-Present	Adjunct Associate Professor, University of Michigan - Ann Arbor, Ann Arbor, Michigan

### **Administrative Appointments**

12/2004-04/2007	Director, Cardiac CT Imaging, Iranian Red Crescent Hospital, Dubai, United Arab Emirates
07/2013-06/2021	Director, Pediatric Cardiac and Chest Imaging (CT and MRI), University of Michigan, Ann Arbor, MI

### **Clinical Appointments**

06/1998-09/1998	Physician, Chabahar Health Care System, Chabahar, Zahedan Iran, Islamic Republic Of
09/1998-09/1999	Physician, Sina (Imam Ali) Hospital, Chabahar, Iran, Islamic Republic Of
12/2002-04/2007	Radiologist and Director of Educational Programs for Students in Radiology, Iranian Red Crescent Hospital, Dubai, United Arab Emirates
10/2007-06/2008	Working as Post-Doctoral Research Associate, University of Pittsburgh Medical Center, Pittsburgh, PA
7/2020- Present	Clinical Radiologist – Pediatric and Cardiothoracic Radiologist- Advanced Radiology Services P.C. Grand Rapids. Michigan

### **Gaps**

10/2002-12/2002	Visiting Pediatric Fellowship - Tehran Children Medical Center, Tehran University Of Medical Sciences
04/2007-07/2007	Leave from work /Moving to USA - Study for USMLEs/Taking exams
07/2007-08/2007	Visiting Fellowship, Cardiac Imaging, University of Pittsburgh Medical Center, Pittsburgh
08/2007-10/2007	Waiting for H1B Visa

07/2008-09/2008      Waiting for credentialing approval - waiting for appointment and credentialing approval to begin work at University of Michigan Health Systems

## Clinical Interests

- Advanced cardiac imaging in both children and adult by CT or MRI, application of T1 and T2 mapping images
  - Chronic lung disease in children. MRI in Cystic fibrosis imaging
- Cardiothoracic manifestations of advanced liver disease in children and adults

## Research Interests

- "Detection and Risk Stratification of Coronary Artery Disease Using ECG-gated 64-row MDCT Coronary Angiography: Axial CT Alone versus Use of 3 D Datasets." PI: S. Patel
  - "Imaging of Mediastinum in Children and Adults." PI: M. Ghadimi Mahani
  - "Epicardial Fat Volume in Adult Fontan Patients Compared to Patients with Repaired Tetralogy of Fallot." PI: A.M. Lubert\*
  - "Imaging of Cardiothoracic Amyloidosis." PI: M. Ghadimi Mahani
  - "Quantification of Diffuse Myocardial Fibrosis with Cardiac Magnetic Resonance Imaging in Individuals with Repaired Tetralogy of Fallot." PI: S. Swanson\*
  - "Retrospective Review of Pulmonary Complications in Recipients of Hematopoietic Stem Cell Transplants." PI: G. Yanik
  - "Comparison of Cardiac MR Velocity Encoded Sequence Measurements." PI: P. Agarwal
  - "Refinement and Assessment of New MRI Technologies for Thoracic / Cardiovascular Exams." PI: J. Stojanovska
- "Evaluation of the Left Atrium in Patients with Atrial Fibrillation with Cardiac Magnetic Resonance Imaging." PI: J. Stojanovska
- "Automated Pediatric Acute Respiratory Distress Syndrome (PARDS) diagnosis protocol." PI: R. Barbaro
- "Cardiovascular Magnetic Resonance Predictors of Future Changes in Functional Status in Patients with Repaired Tetralogy of Fallot." PI: J. Lu

## Grants

**Current Grants** *A Single-Center Feasibility Trial to Assess the Short-term Safety and Efficacy of a Bioresorbable*

*Tracheobronchial*

*Splint in Pediatric Subjects with Clinically-significant, Symptomatic Tracheobronchomalacia* co-funded by the University of Michigan and Materialise

Co-I with Effort (Principal Investigator: Dr Glenn Green) 12/2015-12/2026. \$84,089

## **Grants**

*Lung T1 MRI and LCI Assessments of Trikafta Therapy in Pediatric Patients with CF* Cystic Fibrosis Foundation

Chris A. Flask, PhD, Clement Ren, MD, Samya Nasr, MD, **Consultant**

01/2021-12/2023. \$1,176,000 (\$390,000)

## **Past Grants**

*Lung MRI as an imaging biomarker for Pulmonary Cystic fibrosis in Children.* Department of Radiology. University of Michigan

Maryam Ghadimi Mahani, PI

06/2017-07/2018. \$25,000 (\$25,000)

## **Honors and Awards**

### **International**

1990	Ranked 15th in Iranian Entrance Exam of Universities
1996	Ranked 4th in Comprehensive Pre-Internship Examination among all medical students in Iran
2013	Certificate of Merit, World Congress of Thoracic Imaging. Seoul, South Korea
2019	Cum Laude Award, 105th Scientific Assembly and Annual Meeting, Radiological Society of North America, Chicago, IL

### **National**

2010	Caffey Award for the Best-Case Report Poster (first author), Society for Pediatric Radiology Annual Meeting, Boston, MA
2011	Certificate of Merit, Radiological Society of North America, Chicago, IL
2012	Honorable mentioned education exhibit. Society for Pediatric Radiology Annual meeting, San Francisco, CA
2013	Best American College of Cardiology Care Associate (CCA) Award, 6th Annual American College of Cardiology Conference, San Francisco, CA
2013	Best congenital heart disease poster. North America Society for Cardiac Imaging (NASCI), Atlanta, GA
2013	Recipient of Clinician Educator Development Program Award, American Roentgen Ray Society, Washington, DC
2014	Certificate of Merit, Radiological Society of North America, Chicago, IL
2016	Certificate of Merit, Society for Thoracic Radiology, Scottsdale, AZ
2017	Certificate of Merit, 4th World Congress Thoracic Imaging meeting, Boston, MA

## **Memberships in Professional Societies**

2009-present	Member, Radiological Society of North America
2009-present	Member, Society for Pediatric Radiology
2010-2014	Member, American Roentgen Ray Society
2011-2018	Member, American College of Radiology
2020-Present	Member, American College of Radiology
2014-present	Member, European Society of Paediatric Radiology
2016-2017	Member, North American Society for Cardiovascular Imaging
2020-2024	Member, Society for Cardiovascular computed Tomography
2018-present	Member, Society for Cardiovascular Magnetic Resonance

## **Editorial Positions, Boards, and Peer-Review Service**

### **Journal Reviewer**

2005-2007	Iranian Red Crescent Medical Journal (Ad Hoc)
2010-present	Pediatric Radiology Journal (Ad Hoc)

2011-present	Avicenna Journal of Medicine (Ad Hoc)
2013-present	International Journal of Cardiovascular Imaging (Ad Hoc)
2015-present	Cancer Imaging (Ad Hoc)
2018-present	Academic Radiology Journal (Ad Hoc)
2020-present	Reviewer - Plos-One (Ad Hoc)

## Teaching Activity

### International

01/2000-12/2002	Musculoskeletal Imaging, Abnormal Chest X-ray, Normal Chest X-ray, for Medical Students, Shiraz University of Medical Sciences, Shiraz, Iran. 2000–11 conferences, 2001–12 conferences, 2002–2 conferences
01/2002-12/2002	Bone Imaging for Rehabilitation students including: Bone Infection, Bone Tumor, Arthritis, Shiraz University of Medical Sciences, Shiraz, Iran. 2002-4 conferences
01/2002-04/2007	Abnormal Chest X-ray sessions, for 4th and 5th year medical students, Gulf Medical College, United Arab Emirates: 4 sessions
01/2002-07/2007	Imaging of Bone Tumors, Imaging of Bone Infection, Imaging in Urinary Tract System, Lectures for Medical Students, Gulf Medical College, United Arab Emirates. 2002–1 conference, 2003–1 conference, 2004–1 conference, 2005–1 conference, 2006–1 conference, 2007–1 conference
01/2002-12/2007	Normal Chest X-ray sessions, for 4th and 5th Year Medical Students, Gulf Medical College, United Arab Emirates. 2002–1 session, 2003–12 sessions, 2004–12 sessions, 2005–12 sessions, 2006–12 sessions, 2007–4 sessions
01/2004	Anatomy of Bones, Century Training Center of Homeopathy, Homeopathic Students, Knowledge Village, Dubai. 2004–1 conference
01/2004	Anatomy of CNS, Century Training Center of Homeopathy, Homeopathic (CTCH) Students, Knowledge Village, Dubai. 2004–1 conference
12/2006-04/2007	Imaging Urinary Tract System sessions for Medical Students, Gulf Medical College, United Arab Emirates: 2 sessions
07/2015	"Cardiac Case Review" Radiology Residents University Hospital of Bern

### National

05/2018	"Congenital Lung Lesions" Post Graduate Course, Society for Pediatric Radiology Meeting, Nashville, TN
05/2018	"Interesting Pediatric Chest Cases" Thoracic Imaging Midday Workshop, Society for Pediatric Radiology Meeting, Nashville, TN

### Institutional

06/2009-present	Radiology Department Noon Conference. Provide discussion of radiological aspects of presented case. Attendees: Medical students, residents, fellows, staff; 1-hour conference.
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2009–2 conferences, 2010–1 conference, 2011–3 conferences, 2012-1 conference, 2013-1 conference, 2014-2 conferences, 2015-1 conference, 2016-1 conference, 2017-2 conferences

- 06/2009-present Pediatric Tumor Board, Prepare and present the radiologic portion of the cases to be discussed during a 1-hour working conference. 2009–4 conferences, 2010–7 conferences
- 06/2009-present Pediatric Pulmonary Conference, Organize and present CT and chest radiograph or MRI
- 06/2009-present Pediatric Pulmonary Conference, Organize and present CT and chest radiograph or MRI Images of the selected cases to the pediatric pulmonology and radiology faculty, fellows and house officers, during a 1-2-hour session. 2009–3 conferences, 2010–2 conferences, 2011-1 conference
- 06/2009-present Pediatric Uroradiology Conference, Organize and present cases to the Pediatric Urology, Pediatric Nephrology, and Pediatric Radiology staff and house officers, during a 1-hour session. 2009–3 conferences, 2010–5 conferences
- 01/2010-present Section of Pediatric Radiology Lecture, Core Course Lecture for Radiology Residents and medical students presented during a 1-hour session. 2010–1 conference
- 01/2010-present Pediatric Cardiology Conference, Organize and present CT and MR cases to the pediatric cardiology and cardiac surgery faculty, fellows and house officers, during a 1-hour session. 2010–1 conference, 2011–5 conferences, 2012-7 conferences, 2013-2 conferences, 2014-1 conference, 2016-1 conference
- 01/2011-present Pediatric Fellowship Conference; 2011-1 conference, 2012-1 conference, 2015-1 conference
- 12/2014-present Post processing and technique in pediatric cardiovascular computed tomography imaging. In service teaching with pre and post lecture test evaluation for the post processing lab (3D lab) in the Department of Radiology, 2014-1 conference, 2017-1 conference
- 04/2016-05/2016 Management on contrast reaction in pediatric patients. Peers education for the Section of Pediatric Radiology.
- 01/2018 "Imaging of mediastinum" Pediatric core curriculum lectures
- 09/2018 Pediatric Residents lecture "Neonatal chest imaging"
- 02/2019 Fellow lecture - "Approach to congenital cardiac imaging"
- 03/2019 In-service for cardiovascular faculty and MRI technologist - "MRI of valvular regurgitation, planning, and interpretation"
- 03/2019 Radiology Residents Noon lecture - "Congenital cardiovascular imaging"
- 10/2019 Chest Imaging, Pediatric Core Curriculum
- 09/2020 Imaging of mediastinum in Children - Michigan State University Radiology Residents
- 03/2021 and 2024 Developmental Lung disease, Michigan State University Radiology Residents
- 03/2022 and 2025 Imaging of Pediatric Chest and Infection. Michigan State University Radiology Residents
- 2022 and 2025 Imaging of Covid Pneumonia in Children, Michigan State University Radiology Residents
- 4/2022 Interesting Pediatric Chest Cases, Michigan State University Radiology Residents

12/2022	Imaging of normal and abnormal coronary arteries, Radiology Resident core curriculum
2023 and 2024	Mediastinum and Hila. Michigan State University Radiology Resident Core curriculum
2023 and 2024	Acute Aortic Syndrome. Michigan State University, Radiology Resident Core curriculum

### **Dissertation Committees**

2018	Fatima Neemuchwala MD, Pulmonary Fellow, "Lung MRI as a bioimaging marker in pediatric cystic fibrosis patients", Michigan Medicine, Pediatrics - Division of Pulmonary Medicine, Committee Member
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## **Committee and Administrative Services Committee Services**

### **National**

2011-present	Cardiac Imaging Committee, Society for Pediatric Radiology, Member
2011-present	Thoracic Imaging Committee, Society for Pediatric Radiology, Member
2018-2019	Cardiac Imaging Committee, Society for Pediatric Radiology, Vice Chair
2019-2022	Cardiac Imaging Committee, Society for Pediatric Radiology, Chair of the Committee
2019-present	Education, Research and Quality Control Subcommittee, Society for Cardiac Magnetic Resonance, member
2019	Scientific Presentation - Caffey Award Nomination Committee, Society for Pediatric Radiology, Selection Committee

### **Institutional**

2010-2021	Pediatric and Congenital Cardiac MRI Program, Radiology Lead
2011-2014	Radiology Department Quality Analysis Committee, Member
2011-2021	Mott MRI Operations Committee, Member
2013-2021	Clinical Services: Pediatric Cardiology, Pediatric Thoracic Surgery, Pediatric Pulmonology and Pediatric ENT, Liaison
2024-	Section Chief at the Cardiovascular and thoracic imaging in Advanced Radiology Services group
2024-	Clinical advisor for cardiovascular and thoracic imaging at Corewell health West

## **Visiting Professorships and Extramural Invited Presentations**

### **Visiting Professorships**

06/2015	"Imaging of Congenital Coronary Artery Anomalies", Iranian Red Crescent Hospital, June 2015, Dubai, United Arab Emirates
06/2015	"Imaging of Chest Pain in Children", Iranian Red Crescent Hospital, June 2015, Dubai, United Arab Emirates
07/2015	"Imaging of Coronary Arteries", Grand Round Presentation, University Hospital of Bern, Bern, Switzerland, July 2015, International
06/2017	"Imaging of Pediatric Mediastinum, Pearls and Pitfalls", St. Mary's Hospital, June 2017, Grand Rapids, MI
06/2017	"Adult Congenital Heart Disease", St. Mary's Hospital, June 2017, Grand Rapids, MI
06/2017	"Developmental Malformation of Lung", St. Mary's Hospital, June 2017, Grand Rapids, MI
06/2017	"Pediatric Chest Imaging Case Reviews", St. Mary's Hospital, June 2017, Grand Rapids, MI
06/2017	"Pediatric Cardiovascular Imaging Case Reviews", St. Mary's Hospital, June 2017, Grand Rapids, MI

10/2019	Developmental Lung malformation, Alberta Children's Hospital, October 2019, Calgary, Canada
10/2019	Neontal lung disease, Alberta Children's Hospital, October 2019, Calgary, Canada
10/2019	Interesting Pediatric Chest Cases, Alberta Children's Hospital, October 2019, Calgary, Canada
10/2019	Approach to congenital heart disease on Cross Sectional Imaging, Alberta Children's Hospital, October 2019, Calgary, Canada
10/2019	Imaging of Chest pain in Children, Alberta Children's Hospital, October 2019, Calgary, Canada

### **Extramural Invited Presentations**

1. "Advances in CT Cardiac Imaging", Radiology Department Iranian Red Crescent Hospital, April 2005, Dubai, United Arab Emirates
2. "Breast Imaging, for Surgeons and Gynecologists", Iranian Red Crescent Hospital, in affiliation with Gulf Medical College CME Program, September 2005, Dubai, United Arab Emirates
3. "CT Coronary Angiography", Iranian Red Crescent Hospital, December 2005, Dubai, United Arab Emirates
4. "Why I do Cardiac MRI in Evaluation of Pediatric Cardiac Mass", Society for Pediatric Radiology Meeting, May 2013, San Antonio, TX
5. "Pediatric Mediastinum: Clinical Correlation and Practical Imaging Assessment", Society for Pediatric Radiology Meeting, May 2014, Washington D.C.
6. "3D Printing in Otolaryngology", Radiological Society of North America (RSNA), December 2014, Chicago, IL
7. "3D Printing in Otolaryngology", Radiological Society of North America (RSNA), December 2015, Chicago, IL
8. "Developmental Malformation of Lung", The 17th Radiology at Seashore CME meeting, University of Michigan, March 2016, Ann Arbor, MI
9. "Imaging of Pediatric Mediastinum, Pearls and Pitfalls", The 17th Radiology at Seashore CME meeting, University of Michigan, March 2016, Ann Arbor, MI
10. "Pediatric Potpourri", The 17th Radiology at Seashore CME meeting, University of Michigan, March 2016, Ann Arbor, MI
11. "Imaging of Pediatric Patient with Chest Pain", The 17th Radiology at Seashore CME meeting, University of Michigan, March 2016, Ann Arbor, MI
12. "Pulmonary Embolism CT in Various Stages of Single Ventricle Palliation: Challenges and Technique Optimization", North American Society for Cardiac Imaging, October 2016, Baltimore, MD
13. "How to Start MR Imaging of Cardiac Implantable Electronic Device in My Practice", Society for Pediatric Radiology Annual Meeting and Postgraduate Course, May 2019, San Francisco
14. "Mentored Cardiovascular CT Case Review - Heterotaxi", Cardiovascular CT Workshop, Society for Pediatric Radiology Annual Meeting & Postgraduate Course, May 2019, San Francisco
15. Challenges of CT angiography imaging of pulmonary embolism in Fontan patients, Society for pediatric Radiology Advanced cardiovascular imaging meeting, October 2019, Nationwide Children hospital - Columbus Ohio
16. Cardiac MRI imaging in Transposition of great arteries, Society for cardiac Magnetic resonance, February 2020, Orlando, Florida
17. How do I do Fontan CT , Society of Cardiovascular computed tomography, June 2021



## Seminars

1. "Lung MRI as an Imaging Biomarker in Pediatric Cystic Fibrosis Patients", the University of Michigan. Radiology Department Research Seminars, February 2019, Ann Arbor, Michigan
2. Mid-Day cardiac Sesseion - Moderator and organizer and Cardiac Scientific paper session- Moderator. Did not present due to COVID, Society for Pediatric Radiology, May 2020, Miami, Florida

## **Bibliography Peer-Reviewed Journals and Publications**

1. Falamaki MN, **Ghadimi Mahani M**, Talei A, Alavi M, Rasekhi A: The role of TC-MIBI scintimammography in diagnosis of breast cancer. *Iranian Journal of Nuclear Medicine* 18: 7-13, 2002.
2. **Ghadimi-Mahani M**, Dillman JR, Pai D, Park J, DiPietro M: MRI of congenital urethroperineal fistula. *Pediatr Radiol* 40 Suppl 1: S1-5, 2010. PM20924573
3. Pai D, Dillman JR, **Mahani MG**, Strouse PJ, Adler J: MRI of vulvar Crohn disease. *Pediatr Radiol* 41(4): 537-41, 2011. PM21104183
4. **Ghadimi Mahani M**, Agarwal P: Coronary artery anomalies on CT angiography. *Appl Radiol* 40(6): 18-25, 2011.
5. Lu JC, Dorfman AL, Attili AK, **Ghadimi Mahani M**, Dillman JR, Agarwal PP: Evaluation with cardiovascular MR imaging of baffles and conduits used in palliation or repair of congenital heart disease. *Radiographics* 32(3): E107-27, 2012. PM22582368
6. Lu JC, **Ghadimi Mahani M**, Agarwal PP, Cotts TB, Dorfman AL: Usefulness of right ventricular free wall strain to predict quality of life in "repaired" tetralogy of fallot. *Am J Cardiol* 111(11): 1644-1649, 2013. PM23497777
7. Christensen JT, Lu JC, Donohue J, Yu S, **Mahani MG**, Agarwal PP, Dorfman AL: Relation of aortic stiffness and strain by cardiovascular magnetic resonance imaging to age in repaired tetralogy of fallot. *Am J Cardiol* 113(6): 1031-1035, 2014. PM24480147
8. **Ghadimi Mahani M**, Lu JC, Rigsby CK, Krishnamurthy R, Dorfman AL, Agarwal PP: MRI of pediatric cardiac masses. *AJR Am J Roentgenol* 202(5): 971-981, 2014. PM24758649
9. Smith BM, Dorfman AL, Yu S, Russell MW, Agarwal PP, **Mahani MG**, Lu JC: Clinical significance of late gadolinium enhancement in patients <20 years of age with hypertrophic cardiomyopathy. *Am J Cardiol* 113(7): 1234-1239, 2014. PM24513464
10. Smith BM, Dorfman AL, Yu S, Russell MW, Agarwal PP, **Ghadimi Mahani M**, Lu JC: Relation of strain by feature tracking and clinical outcome in children, adolescents, and young adults with hypertrophic cardiomyopathy. *Am J Cardiol* 114(8): 1275-1280, 2014. PM25159233
11. Lu JC, Christensen JT, Yu S, Donohue JE, **Ghadimi Mahani M**, Agarwal PP, Dorfman AL: Relation of right ventricular mass and volume to functional health status in repaired tetralogy of fallot. *Am J Cardiol* 114(12): 1896-1901, 2014. PM25438919
12. Govindan ML, Kuo KW, **Mahani MG**, Shanley TP: Refractory hypoxemia caused by hepatopulmonary syndrome: a case report. *J Med Case Rep* 8: 418, 2014. PM25491238
13. Lu JC, Nielsen JC, Morowitz L, Musani M, **Ghadimi Mahani M**, Agarwal PP, Ibrahim el-SH, Dorfman AL: Use of a 1.0 Tesla open scanner for evaluation of pediatric and congenital heart disease: a retrospective cohort study. *J Cardiovasc Magn Reson* 17: 39, 2015. PM26004027
14. Westra SJ, Thacker PG, Podberesky DJ, Lee EY, Iyer RS, Hegde SV, Guillerman RP, **Mahani MG**: The incidental pulmonary nodule in a child. Part 2: Commentary and suggestions for clinical management, risk communication and prevention. *Pediatr Radiol* 45(5): 634-9, 2015. PM25655370
15. Westra SJ, Brody AS, **Mahani MG**, Guillerman RP, Hegde SV, Iyer RS, Lee EY, Newman B, Podberesky DJ, Thacker PG: The incidental pulmonary nodule in a child. Part 1: recommendations from the SPR

- Thoracic Imaging Committee regarding characterization, significance and follow-up. *Pediatr Radiol* 45(5): 628-33, 2015. PM25655369
16. Morrison RJ\*, Hollister SJ, Niedner MF, **Mahani MG**, Park AH, Mehta DK, Ohye RG, Green GE: Mitigation of tracheobronchomalacia with 3D-printed personalized medical devices in pediatric patients. *Sci Transl Med* 7(285): 285ra64, 2015. PM25925683
  17. Thacker PG\*, **Mahani MG**, Heider A, Lee EY: Imaging evaluation of mediastinal masses in children and adults: practical diagnostic approach based on a new classification system. *J Thorac Imaging* 30(4): 24767, 2015. PM26086589
  18. Agarwal PP, **Mahani MG**, Lu JC, Dorfman AL: Levoatriocardinal vein and mimics: spectrum of imaging findings. *AJR Am J Roentgenol* 205(2): W162-71, 2015. PM26204303
  19. **Ghadimi Mahani M**, Morani AC, Lu JC, Fazeli Dehkordy S, Jeph S, Dorfman AL, Agarwal PP: Noncardiovascular findings in clinical cardiovascular magnetic resonance imaging in children. *Pediatr Radiol* 46(4): 473-82, 2016. PM26754539
  20. Joynt MR, Yu S, Dorfman AL, **Ghadimi Mahani M**, Agarwal PP, Lu JC: Differential impact of pulmonary regurgitation on patients with surgically repaired pulmonary stenosis versus Tetralogy of Fallot. *Am J Cardiol* 117(2): 289-94, 2016. PM26651611
  21. Lu JC, Yu S, Lowery R, Sagi J, Delong AC, Agarwal PP, **Mahani MG**, Dorfman AL: Predictors of change in functional health status in adults with repaired tetralogy of Fallot. *Pediatr Cardiol* 37(7): 1334-9, 2016.
  22. **Ghadimi Mahani M**, Agarwal PP, Rigsby CK, Lu JC, Fazeli Dehkordy S, Wright RA, Dorfman AL, Krishnamurthy R: CT for assessment of thrombosis and pulmonary embolism in multiple stages of singleventricle palliation: Challenges and suggested protocols. *Radiographics* 36(5): 1273-1284, 2016. PM27618316
  23. Lu JC, Yu S, Lowery R, Sagi J, Delong AC, Agarwal PP, **Ghadimi Mahani M**, Dorfman AL: Predictors of change in functional health status in adults with repaired tetralogy of Fallot. *Pediatr Cardiol* 37(7): 13341339, 2016. PM27371413
  24. Leschied JR, Sanchez R, **Ghadimi Mahani M**: Imaging evaluation of pediatric mediastinal masses, pearls and pitfalls. *Appl Radiol* 46(11): 8-20, 2017.
  25. Lu JC, Lowery R, Yu S, Ghadimi Mahani M, Agarwal PP, Dorfman AL: Predictors of missed appointments in patients referred for congenital or pediatric cardiac magnetic resonance. *Pediatr Radiol* 47(8): 911-916, 2017. PM28432402
  26. Lee B, **Ghadimi Mahani M**, Lu JC, Dorfman AL, Srinivasan A, Agarwal PP.: Primary Cardiac Tumors Associated with Genetic Syndromes: A Comprehensive Review. *Pediatr Radiol* 48(2): 156-164, 2018. PMID: 29214333
  27. Swanson SK , Sayyoun MM , Bardo DME , **Ghadimi Mahani M** , Lu JC , Dorfman AL , Agarwal PP: Interpretation and Reporting of Coronary Arteries in Transposition of the Great Arteries: Cross-sectional Imaging Perspective. *J Thorac Imaging* 33(4): 14-21, 2018. PMID 29927871
  28. Lubert AM, Lu JC, Rocchini AP, Norris MD, Yu S, Agarwal PP, **Ghadimi Mahani M**, Dorfman AL.: Relation of Increased Epicardial Fat After Fontan Palliation to Cardiac Output and Systemic Ventricular Ejection Fraction. *Am J Cardiol* 121(7): 862-866, 2018. PMID: 29433731
  29. Ibrahim EH, Runge M, Stojanovska J, Agarwal P, **Ghadimi-Mahani M**, Attili A, Chenevert T, den Harder C, Bogun F: Optimized cardiac magnetic resonance imaging inversion recovery sequence for metal artifact reduction and accurate myocardial scar assessment in patients with cardiac implantable electronic devices. *World J Radiol* 10(9): 100-107, 2018. PM30310544/PMC6177559
  30. Lee E, Richards B, Lu JC, **Mahani MG**, Dorfman AL, Balasubramanian S, Agarwal PP: Phase-Contrast Magnetic Resonance Quantification of Aortic Regurgitation in Patients With Turbulent Aortic Flow. *J Comput Assist Tomogr* 43(2): 317-322, 2018. PM30407246

31. Lu JC, Balasubramanian S, Yu S, **Ghadimi Mahani M**, Agarwal PP, Dorfman AL: Reproducibility and agreement of tissue tracking versus feature tracking for strain measurement on cardiac magnetic resonance in patients with repaired tetralogy of Fallot. *Radiology: Cardiothoracic Imaging*: 2019. (In Press)
32. **Ghadimi Mahani M**: Diagnostic Accuracy of Noncontrast Self-navigated Free-Breathing MR Angiography Versus CT Angiography: A Prospective Study in Pediatric Patients with Suspected Anomalous Coronary Arteries. *Acad Radiol* 26(10): 1318-1319, 2019. PM31439466
33. Les AS, Ohye RG, Filbrun AG, **Ghadimi Mahani M**, Flanagan CL, Daniels RC, Kidwell KM, Zopf DA, Hollister SJ, Green GE: 3D-printed, externally-implanted, bioresorbable airway splints for severe tracheobronchomalacia. *Laryngoscope* 129(8): 1763-1771, 2019. PM30794335/PMC6662576
34. Clinton Cochran, Lindsey Gakenheimer-Smith, Sunkyung Yu, Ray Lowery, Jimmy Lu, **Maryam Ghadimi Mahani**, Prachi Agarwal and Adam Dorfman: Identifying Risk Factors for Massive Right Ventricular Dilation in Patients With Repaired Tetralogy of Fallot *American Journal of Cardiology* 125(6): 970-976, 2019.
35. Jadranka Stojanovska, Mason Runge, **Maryam Ghadimi Mahani**, Paul P. Cronin, Mohamed Sayyoudh, Frank Bogun and El-Sayed H. Ibrahim: Cardiac Magnetic Resonance Imaging for Patients with Cardiac Implantable Electronic Devices *American Journal of Roentology*: 2020. (In Press)
36. Fatima Neemuchwala, **Maryam Ghadimi Mahani**, Yuxi Pang, Eunjee Lee, Timothy D. Johnson, Craig J. Galbán, Aleksa B. Fortuna, Ramon Sanchez- Jacob, Chris A. Flask, Samya Z. Nasr: Lung T1 Mapping Magnetic Resonance Imaging in the assessment of Pulmonary Disease in Pediatric Cystic Fibrosis Patients: A Pilot Study doi: 10.1007/s00247-020-04638-9: 2020. (In Press) 32162080
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