



**Mubeena Abdulkarim, M.D.**

Pediatric Cardiology Advanced 4<sup>th</sup> Year Program – MRI

**Education:**

B.S., University of Waterloo, Ontario, Canada, 2006

M.D., St. George's University, Grenada, West Indies, 2011

**Post-doctoral Training:**

Pediatric Residency, Richmond University Medical Center, Staten Island, NY, 2014–2017

Pediatric Cardiology Fellowship, Advocate Children's Hospital, Oak Lawn, IL, 2017–2020

**Publications:**

1. Loomba RS, Ahmed M, **Abdulkarim M**, Villarreal EG, Flores S. [Use of Sodium Bicarbonate During Pediatric Cardiac Admissions with Cardiac Arrest: Who Gets It and What Does It Do?](#) *Children (Basel)*. 2019 Dec 16;6(12):136. PMID: 31888123; PMCID: PMC6955993.
2. Karikari Y, **Abdulkarim M**, Li Y, Loomba RS, Zimmerman F, Husayni T. [The Progress and Significance of QRS Duration by Electrocardiography in Hypoplastic Left Heart Syndrome.](#) *Pediatr Cardiol*. 2020 Jan;41(1):141-148. Epub 2019 Nov 13. PMID: 31722042.
3. **Abdulkarim M**, Karikari Y, Loomba RS, Anderson RH, Vricella L, El-Zein C. [A Unique Case of Middle Aorta Syndrome With a "Corkscrew" Descending Aorta.](#) *World J Pediatr Congenit Heart Surg*. 2019 Nov;10(6):799-800. PMID: 31701825.
4. Elzein C, **Abdulkarim M**, Abbas U, Vricella L, Ilbawi M. [Repair of Superior Sinus Venosus Atrial Septal Defect Using a Modified Two-Patch Technique.](#) *Ann Thorac Surg*. 2020 Feb;109(2):583-587. Epub 2019 Aug 28. PMID: 31472131.
5. Loomba RS, **Abdulkarim M**, Bronicki RA, Villarreal EG, Flores S. [Impact of sodium bicarbonate therapy on hemodynamic parameters in infants: a meta-analysis.](#) *J Matern Fetal Neonatal Med*. 2020 Jul 6:1-7. Epub ahead of print. PMID: 32627614.



**Yousef Arar, M.D., M.P.H.**

Pediatric Cardiology Advanced 4<sup>th</sup> Year Program – Interventional Catheterization

**Education:**

B.A., UT Austin, 2010

M.D., M.P.H., UT School of Medicine at San Antonio, TX, 2014

**Post-doctoral Training:**

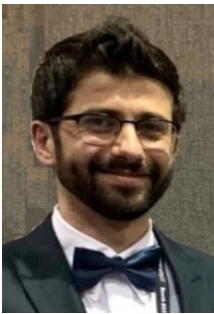
Pediatric Residency, UT Health Science Center at San Antonio, TX, 2014–2017

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2017–2020

**Publications:**

1. Velasco Forte MN, Roujol S, Ruijsink B, Valverde I, Duong P, Byrne N, Krueger S, Weiss S, **Arar Y**, Reddy SRV, Schaeffter T, Hussain T, Razavi R, Pushparajah K. [MRI for Guided Right and Left Heart Cardiac Catheterization: A Prospective Study in Congenital Heart Disease.](#) *J Magn Reson Imaging*. 2021 May;53(5):1446-1457. Epub 2020 Nov 6. PMID: 33155758.0
2. **Arar Y**, Reddy SRV, Kim H, Dimas VV, Zellers TM, Abou Zahr R, Vamsee R, Greer JS, Tandon A, Pontiki A, Dillenbeck J, Zabala L, Greil G, Nugent AW, Hussain T. [3D advanced imaging overlay with rapid registration in CHD to reduce radiation and assist cardiac catheterisation interventions.](#) *Cardiol Young*. 2020 May;30(5):656-662. Epub 2020 Apr 15. PMID: 32290877.
3. **Arar Y**, Hong J, Veeram Reddy S. [Transcatheter mechanical manipulation of obstructed prosthetic mitral valve in an infant.](#) *Cardiol Young*. 2020 Nov;30(11):1747-1749. Epub 2020 Sep 3. PMID: 32880248.
4. Gooty VD, Dillenbeck J, **Arar Y**, Castellanos DA, Greil GF, Hernandez NB, Kirk R, Butts R, Hussain T. [Coronary CT Angiography in Pediatric and Young Adult Coronary Allograft Vasculopathy: Single-Center Experience.](#) *JACC Cardiovasc Imaging*. 2021 May;14(5):1065-1067. Epub 2020 Nov 18. PMID: 33221219.
5. Reddy SRV, **Arar Y**, Hussain T, Greil G, Zabala L, Das BB. [Interventional Cardiovascular Magnetic Resonance Imaging \(iCMR\) in an Adolescent with Pulmonary Hypertension.](#) *Medicina (Kaunas)*. 2020 Nov 24;56(12):636. PMID: 33255307; PMCID: PMC7760170.

6. Arar Y, Reddy SRV, Kim H, Dimas VV, Zellers TM, Abou Zahr R, Vamsee R, Greer JS, Tandon A, Pontiki A, Dillenbeck J, Zabala L, Greil G, Nugent AW, Hussain T. [3D advanced imaging overlay with rapid registration in CHD to reduce radiation and assist cardiac catheterisation interventions](#). *Cardiol Young*. 2020 Apr 15:1-7. [Epub ahead of print] PubMed PMID: 32290877.
7. Veeram Reddy SR, Arar Y, Zahr RA, Gooty V, Hernandez J, Potersnak A, Douglas P, Blair Z, Greer JS, Roujol S, Forte MNV, Greil G, Nugent AW, Hussain T. [Invasive cardiovascular magnetic resonance \(iCMR\) for diagnostic right and left heart catheterization using an MR-conditional guidewire and passive visualization in congenital heart disease](#). *J Cardiovasc Magn Reson*. 2020 Mar 26;22(1):20. PubMed PMID: 32213193; PubMed Central PMCID: PMC7098096.
8. Furmaga W, Cohn S, Prihoda TJ, Muir MT, Mikhailov V, McCarthy J, Arar Y. [Novel markers predict death and organ failure following hemorrhagic shock](#). *Clin Chim Acta*. 2015 Feb 2;440:87-92. Epub 2014 Nov 7. PubMed PMID: 25444751.
9. Hassan SF, Cohn SM, Admire J, Nunez-Cantu O, Arar Y, Myers JG, Dent DL, Eastridge BJ, Cestero RF, Gunst M, Markowski H, Keric N, Liao L, Mueller DL. [Natural history and clinical implications of nondepressed skull fracture in young children](#). *J Trauma Acute Care Surg*. 2014 Jul;77(1):166-9. PubMed PMID: 24977773.



**Munes Fares, M.D.**

Pediatric Cardiology Advanced 4<sup>th</sup> Year Program – MRI

**Education:**

M.D., University of Damascus, Faculty of Medicine, 2005-2012

**Post-doctoral Training:**

Pediatric Residency, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV, 2015-2017

Pediatric Cardiology Fellowship, Case Western Reserve University/UH Rainbow Babies & Children's Hospital, Cleveland OH, 2017-2020

**Publications:**

1. Sheth S, Fares M, Kikano S, Snyder C, Dodgen A, Wilhelm CM. [Appropriate use of echocardiography for palpitations in paediatric cardiology clinics](#). *Cardiol Young*. 2021 Jan;31(1):60-62. Epub 2020 Oct 7. PMID: 33023695.
2. Yoon JG, Fares M, Hoyt W Jr, Snyder CS. [Diagnostic Accuracy and Safety of Confirm Rx™ Insertable Cardiac Monitor in Pediatric Patients](#). *Pediatr Cardiol*. 2021 Jan;42(1):142-147. Epub 2020 Oct 9. PMID: 33033869.
3. Fares M, Critser PJ, Arruda MJ, Wilhelm CM, Rattan MS, Lang SM, Alsaied T. [Pharmacologic stress cardiovascular magnetic resonance in the pediatric population: A review of the literature, proposed protocol, and two examples in patients with Kawasaki disease](#). *Congenit Heart Dis*. 2019 Nov;14(6):1166-1175. PMID: 31498562.
4. Rani Shah, Hisham Hirzallah, Munes Fares, Ashwini Mallad, Gudjon Karlsson, Mehjar El-Hamdani Review of Kawasaki Disease. *Marshall Journal of Medicine*: Vol. 4: Iss. 1, Article 4. 2018 Jan 29.
5. Alsaied T, Baskar S, Fares M, Alahdab F, Czosek RJ, Murad MH, Prokop LJ, Divanovic AA. [First-Line Antiarrhythmic Transplacental Treatment for Fetal Tachyarrhythmia: A Systematic Review and Meta-Analysis](#). *J Am Heart Assoc*. 2017 Dec 15;6(12). pii: e007164. PMID:29246961.
6. Alahdab F, Alabed S, Al-Moujahed A, Al Sallakh MA, Alyousef T, Alsharif U, Fares M, Murad MH. [Evidence-based medicine: a persisting desire under fire](#). *Evid Based Med*. 2017 Mar;22(1):9-11. PMID: 27965267.
7. Fares M, Alahdab F, Alsaied T. [Systematic Reviews and Meta-analyses for Cardiology Fellows](#). *Congenit Heart Dis*. 2016 Jul;11(4):369-71. PMID: 27232196.
8. Fares MM, Alkhaled LH, Mroueh SM, Akl EA. [Vitamin D supplementation in children with asthma: a systematic review and meta-analysis](#). *BMC Res Notes*. 2015 Feb 3;8:23. Review. PMID: 25643669
9. Alabed S, Guul A, Crighton C, Alahdab F, Fares M, Morad M, Sonbol MB, Madmani ME, Sasa A, Unwin N. [An assessment of diabetes care in Palestinian refugee camps in Syria](#). *Avicenna J Med*. 2014 Jul;4(3):66-70. PMID: 24982827.
10. Rajabbik MH, Lotfi T, Alkhaled L, Fares M, El-Hajj Fuleihan G, Mroueh S, Akl EA. [Association between low vitamin D levels and the diagnosis of asthma in children: a systematic review of cohort studies](#). *Allergy Asthma Clin Immunol*. 2014 Jun 11;10(1):31. PMID: 24955097.
11. Alahdab F, Firwana B, Hasan R, Sonbol MB, Fares M, Alnahhas I, Sabouni A, Ferwana M. [Undergraduate medical students' perceptions, attitudes, and competencies in evidence-based medicine \(EBM\), and their understanding of EBM reality in Syria](#). *BMC Res Notes*. 2012 Aug 12;5:431. PMID: 22882872.



**Sannya Hede, M.D.**

Pediatric Cardiology Advanced 4<sup>th</sup> Year Program - Echocardiography

**Education:**

M.D., Baylor College of Medicine, Houston, TX, 2014

**Post-doctoral Training:**

Pediatric Residency, Boston Children's Hospital/Boston Medical Center, Boston, MA, 2014-2017

Pediatric Cardiology Fellowship, Mattel Children's Hospital/UCLA Medical Center, Los Angeles, CA, 2017-2020

**Publications:**

1. Weisert M, Harake D, **Hede S**, Russell M, Alejos J, Menteer J. [A multicenter survey on post-transplant lymphoproliferative disorders in pediatric heart transplant recipients: A case for development of consensus guidelines for screening, surveillance, and treatment?](#) *Pediatr Transplant*. 2020 Aug;24(5):e13730. Epub 2020 May 16. PMID: 32416037.
2. **Hede SV**, DeVore G, Satou G, Sklansky M. [Neonatal management of prenatally suspected coarctation of the aorta](#). *Prenat Diagn*. 2020 Apr 11. [Epub ahead of print] PubMed PMID: 32277716.
3. **Hede SV**, Levi DS. [Spontaneous rupture of a left subclavian artery pseudoaneurysm in a child](#). *J Pediatr Neonatal Care*. 2019 May;9(3):68–96.
4. **Hede SV**. [Diagnosis and Treatment of Childhood Meningitis Caused by Streptococcus bovis Group](#). *Curr Infect Dis Rep*. 2016 Mar;18(4):11. PubMed PMID: 26879740.
5. **Hede SV**, Olarte L, Chandramohan L, Kaplan SL, Hulten KG. [Streptococcus gallolyticus subsp. pasteurianus infection in twin infants](#). *J Clin Microbiol*. 2015 Apr;53(4):1419-22. PubMed PMID: 25609731.
6. **Hede SV**, Morales DL, Parekh DR. [At the heart of the old silk road](#). *J Gen Intern Med*. 2014 Oct;29(10):1421-2. PMID: 24793728.
7. Huang JZ, **Hede SV**, McHugh C, Brock L, Larrier DR. [Creating an Algorithm for Preoperative Cardiac Assessment of Adenotonsillectomy Patients with Obstructive Sleep Apnea](#). *Otolaryngology–Head and Neck Surgery*. 2013 Sept;149(2):242–P242.
8. **Hede SV**, Ongkasuwan J. [The Role of Direct Laryngoscopy in Hospitalized Croup](#). *Otolaryngology–Head and Neck Surgery*. 2012 Aug;147(2):238



**Mehar Hoda, M.B.B.S.**

Pediatric Cardiology

**Education:**

M.B.B.S., Aga Khan University Medical College, Karachi, Pakistan, 2013

**Post-doctoral Training:**

Pediatric Residency, Texas Tech University Health Sciences Center, Amarillo, TX, 2015–2018

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2018–Present

**Publications:**

1. **Hoda M**, Arar Y, Thankavel P, Ikemba C. [Echocardiographic Diagnosis of Double-Chambered Left Ventricle in an Infant](#). *CASE (Phila)*. 2021 Feb 2;5(2):115-118. PMID: 33912780; PMCID: PMC8071822.
2. **Hoda M**, Verma A, Alapati S, Alapati S, Yarrabolu TR. [Diagnostic paradox: Ruptured aneurysm of sinus of Valsalva simulating tricuspid valve endocarditis](#). *Echocardiography*. 2017 Mar;34(3):465-467. PMID: 28213924
3. **Hoda M**, Abuhantesh A, Alapati S. Infective endocarditis in two patients with congenital heart disease: A review of guidelines for prophylaxis. *Panhandle Health*. Winter 2017.
4. **Hoda M**, Haque A, Aijaz F, Akhtar MI, Rehmat A, Amanullah M, Hasan BS. [On-table Extubation after Open Heart Surgery in Children: An Experience from a Tertiary Care Hospital in a Developing Country](#). *Congenit Heart Dis*. 2016 Jan-Feb;11(1):58-62. PMID: 26010520

5. Salam RA, **Hoda M**, Das JK, Arshad A, Lassi ZS, Middleton P, Bhutta ZA. [Interventions to Improve Adolescent Nutrition: A Systematic Review and Meta-Analysis](#). *J Adolesc Health*. 2016 Oct;59(4S):S29-S39. PMID: 27664593
6. Das JK, Hadi YB, Salam RA, **Hoda M**, Lassi ZS, Bhutta ZA. [Fly control to prevent diarrhoea in children](#). *Cochrane Database Syst Rev*. 2018 Dec 17;12:CD011654. PMID: 30556598
7. Haque A, Siddiqui NU, Kumar R, **Hoda M**, Lakahni G, Hooda K. [Cost of care in a paediatric intensive care unit of a tertiary-care university hospital of Pakistan](#). *J Pak Med Assoc*. 2015 Jun;65(6):651-4. PMID: 26060165
8. Haque A, Siddiqui NR, Jafri SK, **Hoda M**, Bano S, Mian A. [Clinical profiles and outcomes of children admitted to the pediatric intensive care unit from the emergency department](#). *J Coll Physicians Surg Pak*. 2015 Apr;25(4):301-3. PMID: 25899201
9. Haque A, Sher G, **Hoda M**, Moiz B. [Feasibility of pediatric plasma apheresis in intensive care settings](#). *Ther Apher Dial*. 2014 Oct;18(5):497-501. PMID: 24674133
10. Atiq M, **Hoda M**, Aslam, N. [Effect of intravenous gamma globulin on short- and mid-term clinical outcome in acute viral myocarditis in children](#). *World Journal of Cardiovascular Diseases (WJCD)*. 2014 Feb;4(2):39-44.
11. Fatimi SH, Khawaja A, Ali Khawaja RD, **Hoda M**, Bhimani SA. [Benign granulomatous polyp obstructing the bronchus](#). *J Coll Physicians Surg Pak*. 2013 Jul;23(7):519-21. PMID: 23823964

#### Book Chapter:

Das JK, Lassi ZS, **Hoda M**, Salam RA, Bhutta ZA. (2015). Feasible, acceptable and cost-effective models of service delivery for neonates and young infants aged 0-59 days with possible serious bacterial infections: a systematic review. In MK Bhan (Ed.), *Guideline: Managing Possible Serious Bacterial Infection in Young Infants When Referral Is Not Feasible* (pp. 1-28). Geneva: World Health Organization.



#### Ravi Vamsee, M.B.B.S.

Pediatric Cardiology

#### Education:

M.B.B.S., Kasturba Medical College, Manipal, Karnataka, India, 2009

#### Post-doctoral Training:

Pediatric Residency, Sri Ramachandra Medical University, Chennai, India, 2011–2013

Pediatric Residency, St. Peter's University Hospital, New Brunswick, NJ, 2015–2016

Pediatric Residency, Oregon Health and Sciences University, Portland, OR, 2016–2018

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2018–Present

#### Publications:

1. Arar Y, Reddy SRV, Kim H, Dimas VV, Zellers TM, Abou Zahr R, **Vamsee R**, Greer JS, Tandon A, Pontiki A, Dillenbeck J, Zabala L, Greil G, Nugent AW, Hussain T. [3D advanced imaging overlay with rapid registration in CHD to reduce radiation and assist cardiac catheterisation interventions](#). *Cardiol Young*. 2020 Apr 15:1-7. [Epub ahead of print] PubMed PMID: 32290877.

#### Book Chapter:

- Forte M.N.V, **Vamsee R**, Hussain T, Gallego P, Valverde I. Multimodality Imaging Innovations in Adult Congenital Heart Disease: Emerging Technologies and Novel Applications. (in print).