

**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.



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

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

**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, **Hooda 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 Advanced 4<sup>th</sup> Year Program - MRI

**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).



**Stephen T. Clark, M.P.H.**

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

**Education:**

B.S., University of Mississippi, Jackson, MS, 2011

M.D., University of Mississippi Medical Center, Jackson, MS, 2015

**Post-doctoral Training:**

Pediatric Residency, University of Alabama, Birmingham, AL, 2015–2018

Pediatric Cardiology Fellowship, University of Alabama, Birmingham, AL, 2018–2021

**Publications:**

1. Clark ST, Law MA, Alten JA. [Standardized Perioperative Feeding Protocol Improves Outcomes in Patients With d-Transposition of the Great Arteries Undergoing Arterial Switch Operation](#). *Pediatr Crit Care Med*. 2020 Sep;21(9):e789-e794. PMID: 32433441
2. Carlo WF, Clark ST, Borasino S, Alten JA. [Impact of contrast exposure from computed tomography angiography on acute kidney injury after neonatal cardiopulmonary bypass surgery](#). *Congenit Heart Dis*. 2017 Jul;12(4):540-545. Epub 2017 May 30. PMID: 28557332



**Madhusudan Ganigara, M.B.B.S.**

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

**Education:**

M.B.B.S., Vijayanagara Institute of Medical Sciences, Bellary, India, 2003

**Post-doctoral Training:**

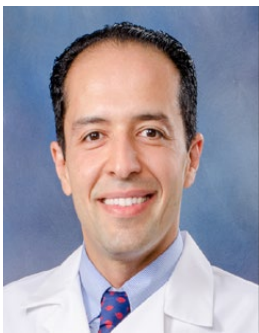
Pediatric Residency, The Icahn School of Medicine at Mount Sinai/Elmhurst, Elmhurst, NY, 2015–2018

Pediatric Cardiology Fellowship, Cohen Children's Medical Center, Queens, NY, 2018–2021

**Publications:**

1. Samuel S, Friedman RA, Sharma C, Ganigara M, Mitchell E, Schleien C, Blaufox AD. [Incidence of arrhythmias and electrocardiographic abnormalities in symptomatic pediatric patients with PCR-positive SARS-CoV-2 infection, including drug-induced changes in the corrected QT interval](#). *Heart Rhythm*. 2020 Nov;17(11):1960-1966. PMID: 32621881
2. Ganigara M, Doshi A, Naimi I, Mahadevaiah GP, Buddhé S, Chikkabyrappa SM. [Preoperative Physiology, Imaging, and Management of Coarctation of Aorta in Children](#). *Semin Cardiothorac Vasc Anesth*. 2019 Dec;23(4):379-386. Epub 2019 Sep 19. Erratum in: *Semin Cardiothorac Vasc Anesth*. 2021 Mar;25(1):77. PMID: 31535945
3. Ganigara M, Srivastava S, Malik P, Fong S, Ko H, Parness I, Shenoy R. [Comparison of chloral hydrate and pentobarbital sedation for pediatric echocardiography](#). *Echocardiography*. 2019 Apr;36(4):766-769. PMID: 30803010
4. Ganigara M, Dhar A, Misra N. [Neonatal Giant Atrial Hemangioma - A Rare Cardiac Tumor](#). *SCMR Case of the Week*. [www.scmr.org/page/COW1905](http://www.scmr.org/page/COW1905).
5. Stanton KM, Ganigara M, Corte P, Celermajer DS, McGuire MA, Torzillo PJ, Corte TJ, Puranik R. [The Utility of Cardiac Magnetic Resonance Imaging in the Diagnosis of Cardiac Sarcoidosis](#). *Heart Lung Circ*. 2017 Nov;26(11):1191-1199. PMID: 28501519
6. Anuradha Ganigara, Chandrika Yabagodu Ramavakoda, Chandana M Srinivasan & Madhusudan Ganigara (2017) [Dilated cardiomyopathy in a child with abdominal neuroblastoma and normal serum catecholamine levels: anaesthetic management and review of literature](#), *Southern African Journal of Anaesthesia and Analgesia*, 23:1, 21-23.
7. Ganigara M, Cooper SG, Chard RB, Puranik P, Ayer JG. [Aneurysmal dilatation of aortic homograft in the right ventricular outflow tract following ross procedure](#). *SCMR Case of the Week*. [www.scmr.site-ym.com/?page=COW1502](http://www.scmr.site-ym.com/?page=COW1502).
8. Sharma B, Reddy AK, Ganigara M, Baidwan A, Vyas YS, Rao NK. [Aortic arch tortuosity with PHACE syndrome - a rare case scenario](#). *Images Paediatr Cardiol*. 2016 Apr-Jun;18(2):1-4. PMID: 28405204

9. **Ganigara M**, Sharma B, Komalla RB, Vyas SY, Mannam G, Rao NK. [Unique pattern of late gadolinium enhancement on cardiac magnetic resonance imaging in Duchenne muscular dystrophy](#). Ann Pediatr Cardiol. 2016 May-Aug;9(2):190-1. PMID: 27212861
10. Patnaik S, Kasar PK, **Ganigara M**, Patnaik AN, Ramesh G. [Role of imaging in the evaluation of a large left atrial myxoma: A case report and review of literature](#). J Med Allied Sci 2015; 5 (2): 30-33.
11. Padang R, **Ganigara M**, O'Meagher S, Grieve SM, Bannon PG, Celermajer DS, Jeremy R, Semsarian C, Puranik R. [Feasibility of using real-time CMR imaging to evaluate acute thoracic aortic response to exercise](#). Int J Cardiol. 2015 Oct 15;197:306-8.
12. **Ganigara M**, Tanous D, Celermajer D, Puranik R. [The role of cardiac MRI in the diagnosis and management of sinus venosus atrial septal defect](#). Ann Pediatr Cardiol. 2014 May;7(2):160-2. Case Report
13. O'Meagher S, **Ganigara M**, Tanous DJ, Celermajer DS, Puranik R. [Progress of right ventricular dilatation in adults with repaired tetralogy of Fallot and free pulmonary regurgitation](#). Int J Cardiol Heart Vessel. 2014 Mar 2;3:28-31. PMID: 29450166
14. **Ganigara M**, Collins N, Tanous D, Celermajer D, Puranik R. [Anomalous left anterior descending coronary artery from the pulmonary artery--the role of cardiac MRI](#). Int J Cardiol. 2014;172(1):e172-4. PMID: 24405835
15. O'Meagher S, **Ganigara M**, Munoz P, Tanous DJ, Chard RB, Celermajer DS, Puranik R. [Right ventricular outflow tract enlargement prior to pulmonary valve replacement is associated with poorer structural and functional outcomes, in adults with repaired Tetralogy of Fallot](#). Heart Lung Circ. 2014 May;23(5):482-8. PMID: 24345378
16. Hanumanthappa NB, **Madhusudan G**, Mahimarangaijah J, Manjunath CN. [Hutchinson-Gilford progeria syndrome with severe calcific aortic valve stenosis](#). Ann Pediatr Cardiol. 2011 Jul;4(2):204-6. PMID: 21976890
17. Gnanappa GK, **Ganigara M**, Prabhu A, Varma SK, Murmu U, Varghese R, Valliatu J, Kumar RN. [Outcome of complex adult congenital heart surgery in the developing world](#). Congenit Heart Dis. 2011 Jan-Feb;6(1):2-8. PMID: 21269407
18. **Ganigara M**, Prabhu A, Kumar RS. [LEOPARD syndrome in an infant with severe hypertrophic cardiomyopathy and PTPN11 mutation](#). Ann Pediatr Cardiol. 2011 Jan;4(1):74-6. PMID: 21677813
19. **Ganigara M**, Prabhu A, Varghese R, Pavithran S, Valliatu J, Nair RS. [Extracardiac Fontan operation after late bidirectional Glenn shunt](#). Asian Cardiovasc Thorac Ann. 2010 Jun;18(3):253-9. PMID: 20519294



**Mohamed Nagiub, M.D.**

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

**Education:**

M.D., Alexandria Faculty of Medicine-Alexandria-Egypt, 2000

**Post-doctoral Training:**

Pediatric Residency, El Shatby University Hospital, Alexandria – Egypt, 2000-2003

Pediatric Cardiology Fellowship, El Shatby University Hospital, Alexandria – Egypt, 2003-2006

Pediatric Residency, St John Medical center, Detroit, MI, 2010-2013

Pediatric Cardiology Fellowship, Virginia Commonwealth University, Richmond, VA, 2013-2016

**Publications:**

1. **Nagiub M**, Moskowitz W, Fortunato J. [Systematic literature review of pathophysiology of postural orthostatic tachycardia syndrome \(angiotensin II receptor subtype imbalance theory\)](#). Progress in Pediatric Cardiology 2018; 50:50-61.
2. **Nagiub M**, Klein J, Gullquist S. [Echocardiography derived pulmonary artery capacitance and right ventricular outflow velocity time integral on first day of life can predict survival in congenital diaphragmatic hernia](#). Progress in Pediatric Cardiology, 2018; 48: 107-10.
3. **Nagiub M**, Nixon JV, Kontos MC. [Ability of Nonstrain Diastolic Parameters to Predict Doxorubicin-Induced Cardiomyopathy: A Systematic Review With Meta-Analysis](#). Cardiol Rev. 2018 Jan/Feb;26(1):29-34.
4. **Nagiub M**, Filippone S, Durrant D, Das A, Kukreja RC. [Long-acting PDE5 inhibitor tadalafil prevents early doxorubicin-induced left ventricle diastolic dysfunction in juvenile mice: potential role of cytoskeletal proteins](#). Can J Physiol Pharmacol. 2017 Mar;95(3):295-304. PMID: 28238269
5. **Nagiub M**, Carter K, Shepard R. [Systematic review of risk stratification of pediatric ventricular arrhythmia in structurally normal and abnormal hearts](#). Progress in Pediatric Cardiology. 2017

6. **Nagiub M**, Kanaan U, Simon D, Guglani L. [Risk Factors for Development of Pulmonary Hypertension in Infants with Bronchopulmonary Dysplasia: Systematic Review and Meta-Analysis](#). Paediatr Respir Rev. 2017 Jun;23:27-32. Epub 2016 Nov 22. PMID: 28188008.
7. **Nagiub M**, Stravitz RT, Grinnan D, Moskowitz W. [Evaluation of Arteriovenous Shunting in Patients With End-Stage Liver Disease: Potential Role of Early Right Heart Catheterization](#). Transplant Proc. 2015 Dec;47(10):2892-6. PMID: 26707309.
8. **Nagiub M**, Alton K, Avula V, Hagglund K, Anne P. [Heart rate variability evaluation in the assessment and management of in-utero drug-exposed infants](#). SAGE Open Med. 2014 Nov 6;2:2050312114556525.. PMID: 26770748.
9. **Nagiub M**, Mahadin D, Gowda S, Aggarwal S. [Prenatal diagnosis of coronary artery fistula: a case report and review of literature](#). AJP Rep. 2014 Nov;4(2):e83-6. Epub 2014 Aug 21. PMID: 25452888; PMCID: PMC4239146.
10. **Nagiub M**, Lee S, Guglani L. [Echocardiographic assessment of pulmonary hypertension in infants with bronchopulmonary dysplasia: systematic review of literature and a proposed algorithm for assessment](#). Echocardiography. 2015 May;32(5):819-33.. Epub 2014 Sep 18. PMID: 25231322.
11. **Nagiub M**, Alton K, Anne P. [Infantile hypotonia with failure to thrive](#). Am J Case Rep. 2012;13:214-7. Epub 2012 Sep 5. PMID: 23569532.
12. Asoh K, Walsh M, Hickey E, **Nagiub M**, Chaturvedi R, Lee KJ, Benson LN. [Percutaneous pulmonary valve implantation within bioprosthetic valves](#). Eur Heart J. 2010 Jun;31(11):1404-9. Epub 2010 Mar 15. PMID: 20231157.
13. Nagiub M and Allarakhia I. Moyamoya disease: case report and literature review. Am J case Rep, 2013; 14: 134-138.

### Book Chapters

1. **Mohamed Nagiub** and William B. Moskowitz. Chapter 37: Pediatric Cardiac Interventions in Pediatric interventional radiology with surgical correlations. Publisher: Thieme



#### **Gianna Romano, M.D., M.P.H.**

Pediatric Cardiology

#### **Education:**

B.S., University of Denver, Denver, CO, 2007

M.P.H., Colorado School of Public Health, Aurora, CO, 2011

M.D., University of Arizona College of Medicine, Phoenix, AZ, 2016

#### **Post-doctoral Training:**

Pediatric Residency, UT Southwestern/Children's Medical Center, Dallas, TX, 2016–2019

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2019–Present

### Publication:

1. Ayub S, Kanner J, Riddle M, **Romano G**. [Influenza-Induced Mania](#). *J Neuropsychiatry Clin Neurosci*. 2016 Winter;28(1):e17-8. PMID: 26844965



#### **Courtney Rothrock Ochoa, M.D., M.S.**

Pediatric Cardiology

#### **Education:**

B.S., Massachusetts Institute of Technology, Cambridge, MA, 2006

M.S., University of South Alabama, Mobile, AL, 2010

M.D., University of South Alabama College of Medicine, Mobile, AL, 2016

#### **Post-doctoral Training:**

Pediatric Residency, UT Southwestern/Children's Medical Center, Dallas, TX, 2016–2019

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2019–Present

**Publications:**

1. Kiss E, Chehab S, Moreno Duarte I, Khan U, Schindl D, Pandya S, Ullah S, **Ochoa C**, Zabala LM. [Twin-twin transfusion syndrome complicated by single ventricle physiology: A case report.](#) *Paediatr Anaesth.* 2021 Nov;31(11):1255-1258
2. Lowe G, **Ochoa C**, Patel A, Nesiama J-A. [What is causing an infant's facial swelling?](#) *Consultant.* 2019;59(12):365-366, 370.
3. Moon YA, **Ochoa CR**, Mitsche MA, Hammer RE, Horton JD. [Deletion of ELOVL6 blocks the synthesis of oleic acid but does not prevent the development of fatty liver or insulin resistance.](#) *J Lipid Res.* 2014 Dec;55(12):2597-605. PMID: 25281760
4. Audia JP, Lindsey AS, Housley NA, **Ochoa CR**, et al. [In the absence of effector proteins, the Pseudomonas aeruginosa type three secretion system needle tip complex contributes to lung injury and systemic inflammatory responses.](#) *PLoS One.* 2013 Nov 27;8(11):e81792. PMID: 24312357
5. Saxena V, Ramdas S, **Ochoa CR**, Wallace D, Bhide P, Kohane I. [Structural, genetic, and functional signatures of disordered neuro-immunological development in autism spectrum disorder.](#) *PLoS One.* 2012;7(12):e48835. PMID: 23239965
6. Yoon SS, Duda DG, Karl DL, Kim TM, Kambadakone AR, Chen YL, **Rothrock C**, et al. [Phase II study of neoadjuvant bevacizumab and radiotherapy for resectable soft tissue sarcomas.](#) *Int J Radiat Oncol Biol Phys.* 2011 Nov 15;81(4):1081-90. PMID: 20932656
7. Lee YJ, Karl DL, Maduekwe UN, **Rothrock C**, Ryeom S, D'Amore PA, Yoon SS. [Differential effects of VEGFR-1 and VEGFR-2 inhibition on tumor metastases based on host organ environment.](#) *Cancer Res.* 2010 Nov 1;70(21):8357-67. PMID: 20978198
8. Lee YJ, Koch M, Karl D, Torres-Collado AX, Fernando NT, **Rothrock C**, et al. [Variable inhibition of thrombospondin 1 against liver and lung metastases through differential activation of metalloproteinase ADAMTS1.](#) *Cancer Res.* 2010 Feb 1;70(3):948-56. PMID: 20103648
9. Yoon SS, Stangenberg L, Lee YJ, **Rothrock C**, et al. [Efficacy of sunitinib and radiotherapy in genetically engineered mouse model of soft-tissue sarcoma.](#) *Int J Radiat Oncol Biol Phys.* 2009 Jul 15;74(4):1207-16. Erratum in: *Int J Radiat Oncol Biol Phys.* 2010 Aug 1;77(5):1607. PMID: 19545786
10. Fernando NT, Koch M, **Rothrock C**, Gollogly LK, D'Amore PA, Ryeom S, Yoon SS. [Tumor escape from endogenous, extracellular matrix-associated angiogenesis inhibitors by up-regulation of multiple proangiogenic factors.](#) *Clin Cancer Res.* 2008 Mar 1;14(5):1529-39. PMID: 18316578



**Stephen Spurgin, M.D.**

Pediatric Cardiology

**Education:**

B.S., Stanford University, Palo Alto, CA, 2010

M.D., UT Southwestern, Dallas, TX, 2016

**Postdoctoral Training:**

Pediatric Residency, UT Southwestern/Children's Medical Center, Dallas, TX, 2016–2019

Pediatric Cardiology Fellowship, UT Southwestern/Children's Medical Center, Dallas, TX, 2019–Present

**Publications:**

1. Schiattarella GG, Altamirano F, Kim SY, Tong D, Ferdous A, Piristine H, Dasgupta S, Wang X, French KM, Villalobos E, Spurgin SB, Waldman M, Jiang N, May HI, Hill TM, Luo Y, Yoo H, Zaha VG, Lavandero S, Gillette TG, Hill JA. [Xbp1s-FoxO1 axis governs lipid accumulation and contractile performance in heart failure with preserved ejection fraction.](#) *Nat Commun.* 2021 Mar 16;12(1):1684. PMID: 33727534.
2. Kusminski CM, Chen S, Ye R, Sun K, Wang QA, **Spurgin SB**, Sanders PE, Brozinick JT, Geldenhuys WJ, Li WH, Unger RH, Scherer PE. [MitoNEET-Parkin Effects in Pancreatic  \$\alpha\$ - and  \$\beta\$ -Cells, Cellular Survival, and Intraisular Cross Talk.](#) *Diabetes.* 2016 Jun;65(6):1534-55. PMID: 26895793
3. Shao M, Ishibashi J, Kusminski CM, Wang QA, Hepler C, Vishvanath L, MacPherson KA, **Spurgin SB**, Sun K, Holland WL, Seale P, Gupta RK. [Zfp423 Maintains White Adipocyte Identity through Suppression of the Beige Cell Thermogenic Gene Program.](#) *Cell Metab.* 2016 Jun 14;23(6):1167-1184. PMID: 27238639

4. Vishvanath L, MacPherson KA, Hepler C, Wang QA, Shao M, **Spurgin SB**, Wang MY, Kusminski CM, Morley TS, Gupta RK. [Pdgfr \$\beta\$ + Mural Preadipocytes Contribute to Adipocyte Hyperplasia Induced by High-Fat-Diet Feeding and Prolonged Cold Exposure in Adult Mice.](#) *Cell Metab.* 2016 Feb 9;23(2):350-9. PMID: 26626462
5. Ye R, Wang M, Wang QA, **Spurgin SB**, Wang ZV, Sun K, Scherer PE. [Autonomous interconversion between adult pancreatic  \$\alpha\$ -cells and  \$\beta\$ -cells after differential metabolic challenges.](#) *Mol Metab.* 2016 May 10;5(7):437-448. PMID: 27408770
6. Stone KP, Wanders D, Calderon LF, **Spurgin SB**, Scherer PE, Gettys TW. [Compromised responses to dietary methionine restriction in adipose tissue but not liver of ob/ob mice.](#) *Obesity* (Silver Spring). 2015 Sep;23(9):1836-44. PMID: 26237535
7. Sun K, Kusminski CM, Luby-Phelps K, **Spurgin SB**, An YA, Wang QA, Holland WL, Scherer PE. [Brown adipose tissue derived VEGF-A modulates cold tolerance and energy expenditure.](#) *Mol Metab.* 2014 Apr 5;3(4):474-83. PMID: 24944907
8. Kusminski CM, Holland WL, Sun K, Park J, **Spurgin SB**, Lin Y, Askew GR, Simcox JA, McClain DA, Li C, Scherer PE. [MitoNEET-driven alterations in adipocyte mitochondrial activity reveal a crucial adaptive process that preserves insulin sensitivity in obesity.](#) *Nat Med.* 2012 Oct;18(10):1539-49. PMID: 22961109