



## Alisa Arunamata

Clinical Assistant Professor, Pediatrics - Cardiology

### CLINICAL OFFICES

- **Pediatric Cardiology**

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- **Pediatric Cardiology Heart Center**

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### Bio

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#### BIO

Dr. Alisa Arunamata is a pediatric cardiologist and Clinical Assistant Professor in the Department of Pediatrics at Stanford University School of Medicine. She specializes in cardiac imaging of the fetus through adulthood and provides comprehensive care to families and patients from the time of fetal diagnosis to post-operative management after cardiac surgery. She holds a number of leadership positions in education and hospital administration. She is currently the Associate Medical Director of Acute Cardiac Care at Lucile Packard Children's Hospital at Stanford, leads the pediatric cardiology fellowship training program as the Program Director, and was previously the Program Director of the Advanced Non-Invasive Imaging Fellowship.

Dr. Arunamata has a deep interest in improving clinical outcomes for children with congenital and acquired heart disease, with a primary focus on refining the assessment and contribution of the right ventricle in disease and health.

She graduated early with a degree in Molecular and Cell Biology (Biochemistry) from the University of California, Berkeley, obtained her medical degree at New York University School of Medicine and completed pediatric residency and cardiology fellowship training at Stanford. She was elected to the Alpha Omega Alpha Medical Honor Society in 2019 and is a Fellow of the American College of Cardiology.

#### CLINICAL FOCUS

- Pediatric Cardiology
- Echocardiography
- Fetal Cardiology

## ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pediatrics - Cardiology

## ADMINISTRATIVE APPOINTMENTS

- Program Director, Pediatric Cardiology Advanced Imaging Fellowship, (2018-2021)
- Associate Program Director, Pediatric Cardiology Fellowship, (2018-2022)
- Associate Medical Director, Acute Cardiac Care Unit, (2021- present)
- Program Director, Pediatric Cardiology Fellowship, (2022- present)

## HONORS AND AWARDS

- Elected Member, Alpha Omega Alpha (AOA) Medical Honor Society (2019)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow, American College of Cardiology (FACC) (2019 - present)

## PROFESSIONAL EDUCATION

- Fellowship: Stanford University Pediatric Cardiology Fellowship (2016) CA
- Board Certification, Pediatric Cardiology , American Board of Pediatrics (2016)
- Board Certification: Pediatrics, American Board of Pediatrics (2012)
- Fellowship: Stanford University Pediatric Cardiology Fellowship (2015) CA
- Residency: Lucile Packard Children's Hospital at Stanford (2012) CA
- Medical Education: New York University School of Medicine (2009) NY
- B.A., University of California, Berkeley (2005)

## Publications

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### PUBLICATIONS

- **Surgical Repair of Supravalvar Aortic Stenosis in Association With Transverse and Proximal Descending Aortic Abnormalities.** *World journal for pediatric & congenital heart surgery*  
Mainwaring, R. D., Collins, R. T., Ma, M., Martin, E., Arunamata, A., Algaze-Yojay, C., Hanley, F. L.  
2022; 13 (3): 353-360
- **Right ventricular outflow tract anomalies: Neonatal interventions and outcomes.** *Seminars in perinatology*  
Arunamata, A., Goldstein, B. H.  
2022: 151583
- **Recurrent fibrovascular granulation on PhotoFix® bovine pericardium causing systemic and pulmonary venous obstruction after repair of scimitar syndrome** *Cardiology in the Young*  
Taylor, N., Long, Z., Ma, M., Arunamata, A.  
2021
- **Longevity of large aortic allograft conduits in Tetralogy with major aortopulmonary collaterals.** *The Annals of thoracic surgery*  
Ma, M. n., Arunamata, A. n., Peng, L. F., Wise-Faberowski, L. n., Hanley, F. L., McElhinney, D. B.  
2021
- **Recent outcomes of the extracardiac Fontan procedure in patients with hypoplastic left heart syndrome** *ANNALS OF PEDIATRIC CARDIOLOGY*  
Arunamata, A., Tacy, T. A., Kache, S., Mainwaring, R. D., Ma, M., Maeda, K., Pun, R.  
2020; 13 (3): 186-93
- **Recent outcomes of the extracardiac Fontan procedure in patients with hypoplastic left heart syndrome.** *Annals of pediatric cardiology*  
Arunamata, A., Tacy, T. A., Kache, S., Mainwaring, R. D., Ma, M., Maeda, K., Pun, R.

2020; 13 (3): 186-193

- **Impact of Cardiac Resynchronization Therapy on Heart Transplant-Free Survival in Pediatric and Congenital Heart Disease Patients.** *Circulation. Arrhythmia and electrophysiology*  
Chubb, H., Rosenthal, D. N., Almond, C. S., Ceresnak, S. R., Motonaga, K. S., Arunamata, A. A., Long, J., Trela, A. V., Hanisch, D., McElhinney, D. B., Dubin, A. M.  
2020
- **Postoperative Recovery of Left Ventricular Function following Repair of Large Ventricular Septal Defects in Infants.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*  
Adamson, G. T., Arunamata, A., Tacy, T. A., Silverman, N. H., Ma, M., Maskatia, S. A., Pun, R.  
2019
- **In fetuses with congenital lung masses, decreased ventricular and atrioventricular valve dimensions are associated with lesion size and clinical outcome.** *Prenatal diagnosis*  
Mardy, C., Blumenfeld, Y. J., Arunamata, A. A., Girsan, A. I., Sylvester, K. G., Halabi, S., Rubesova, E., Hintz, S. R., Tacy, T. A., Maskatia, S. A.  
2019
- **Left ventricular retraining in corrected transposition: Relationship between pressure and mass.** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D., Patrick, W. L., Arunamata, A., Chan, F., Newman, B., Rosenblatt, T. R., Kamra, K., Hanley, F. L.  
2019
- **"Echo pause" for postoperative transthoracic echocardiographic surveillance.** *Echocardiography (Mount Kisco, N.Y.)*  
Cox, K., Arunamata, A., Krawczeski, C. D., Reddy, C., Kipps, A. K., Long, J., Roth, S. J., Axelrod, D. M., Hanley, F., Shin, A., Selamet Tierney, E. S.  
2019
- **Surgical results of unifocalization revision**  
Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Ma, M., Kamra, K., Arunamata, A., Hanley, F. L.  
MOSBY-ELSEVIER.2019: 534-44
- **Cardiac Segmental Strain Analysis in Pediatric Left Ventricular Noncompaction Cardiomyopathy** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*  
Arunamata, A., Stringer, J., Balasubramanian, S., Tacy, T. A., Silverman, N. H., Pun, R.  
2019; 32 (6): 763-+
- **Cardiac Segmental Strain Analysis in Pediatric Left Ventricular Noncompaction Cardiomyopathy.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*  
Arunamata, A. n., Stringer, J. n., Balasubramanian, S. n., Tacy, T. A., Silverman, N. H., Pun, R. n.  
2019
- **Fetal Echocardiographic Parameters and Surgical Outcomes in Congenital Left-Sided Cardiac Lesions.** *Pediatric cardiology*  
Edwards, L. A., Arunamata, A. n., Maskatia, S. A., Quirin, A. n., Bhombal, S. n., Maeda, K. n., Tacy, T. A., Pun, R. n.  
2019
- **Surgical results of unifocalization revision.** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Ma, M., Kamra, K., Arunamata, A., Hanley, F. L.  
2018
- **Utility of serial 12-lead electrocardiograms in children with Marfan syndrome.** *Cardiology in the young*  
Arunamata, A. A., Nguyen, C. T., Ceresnak, S. R., Dubin, A. M., Olson, I. L., Murphy, D. J., Selamet Tierney, E. S.  
2018: 1-5
- **Impact of Fetal Somatic Growth on Pulmonary Valve Annulus Z-Scores During Gestation and Through Birth in Patients with Tetralogy of Fallot.** *Pediatric cardiology*  
Arunamata, A. n., Balasubramanian, S. n., Pun, R. n., Quirin, A. n., Tacy, T. A.  
2018
- **Maternal Arterial Stiffness and Fetal Cardiovascular Physiology in Diabetic Pregnancies.** *Ultrasound in obstetrics & gynecology*  
Moodley, S., Arunamata, A., Stauffer, K. J., Nourse, S. E., Chen, A., Quirin, A., Selamet Tierney, E. S.  
2017

- **Right-Dominant Unbalanced Atrioventricular Septal Defect: Echocardiography in Surgical Decision Making.** *Journal of the American Society of Echocardiography*  
Arunamata, A., Balasubramanian, S., Mainwaring, R., Maeda, K., Selamet Tierney, E. S.  
2017; 30 (3): 216-226
- **Practice Patterns in Postoperative Echocardiographic Surveillance after Congenital Heart Surgery in Children: A Single Center Experience** *JOURNAL OF PEDIATRICS*  
Arunamata, A., Axelrod, D. M., Kipps, A. K., McElhinney, D. B., Shin, A. Y., Hanley, F. L., Olson, I. L., Roth, S. J., Tierney, E. S.  
2017; 180: 87-?
- **Decompressing vein and bilateral superior venae cavae in a patient with hypoplastic left heart syndrome.** *Echocardiography (Mount Kisco, N.Y.)*  
Stauffer, K. J., Arunamata, A., Vasawala, S. S., Behera, S. K., Kipps, A. K., Silverman, N. H.  
2016; 33 (9): 1428-1431
- **Diagnosis of Anomalous Aortic Origin of the Left Coronary Artery in a Pediatric Patient.** *World journal for pediatric & congenital heart surgery*  
Arunamata, A., Buccola Stauffer, K. J., Pun, R., Chan, F. P., Maeda, K., Balasubramanian, S.  
2015; 6 (3): 470-473
- **Isolation of the right subclavian artery in a patient with d-transposition of the great arteries.** *Annals of pediatric cardiology*  
Arunamata, A., Perry, S. B., Kipps, A. K., Vasawala, S. S., Axelrod, D. M.  
2015; 8 (2): 161-163
- **Echocardiographic Measures Associated With Early Postsurgical Myocardial Dysfunction in Pediatric Patients With Mitral Valve Regurgitation** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*  
Arunamata, A., Tierney, E. S., Tacy, T. A., Pun, R.  
2015; 28 (3): 284-293
- **Echocardiographic Diagnosis and Prognosis of Fetal Left Ventricular Noncompaction** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*  
Arunamata, A., Pun, R., Cuneo, B., Bharati, S., Silverman, N. H.  
2012; 25 (1): 112-120
- **Endometrial Osseous Metaplasia Mimicking Retained Intrauterine Device A Case Report** *JOURNAL OF REPRODUCTIVE MEDICINE*  
Tsai, M. C., Arunamata, A., Tristan, S., Randall, H. W.  
2008; 53 (11): 877-880
- **Chronic antepartum maternal hyperoxygenation in a case of severe fetal Ebstein's anomaly with circular shunt physiology.** *Annals of pediatric cardiology*  
Arunamata, A. n., Axelrod, D. M., Bianco, K. n., Balasubramanian, S. n., Quirin, A. n., Tacy, T. A.  
; 10 (3): 284-87