

Stanford



Rajesh Punn, M.D.

Clinical Associate Professor, Pediatrics - Cardiology

CLINICAL OFFICES

- **Heart Center**

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Bio

CLINICAL FOCUS

- Pediatrics, General
- Pediatric Cardiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Pediatrics - Cardiology
- Member, Cardiovascular Institute

ADMINISTRATIVE APPOINTMENTS

- Chief, Ambulatory Pediatric Cardiology, (2021- present)

PROFESSIONAL EDUCATION

- Medical Education: Eastern Virginia Medical School Registrar (1998) VA
- Residency: Children's Hospital of the King's Daughters (2000) VA
- Internship: Children's Hospital of the King's Daughters (1999) VA
- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2008)
- Fellowship: Children's Hospital and Health Center- UC San Diego (2007) CA

Research & Scholarship

CLINICAL TRIALS

- Effects of Different Tidal Volume Ventilation Strategies on Fontan Flow and Hemodynamics, Recruiting

Publications

PUBLICATIONS

- **Minute Stroke Distance is a More Reproducible Measurement Than Cardiac Output in the Assessment of Fetal Ventricular Systolic Function.** *Journal of the American Society of Echocardiography* : official publication of the American Society of Echocardiography

- Sun, H. Y., Selamet Tierney, E. S., Tacy, T. A., Punn, R.
2022
- **Intraoperative epicardial echocardiography or transoesophageal echocardiography in CHD: how much does it matter?** *Cardiology in the young*
Stauffer, K. J., Brabender, J., Reddy, C. D., Selamet Tierney, E. S., Lopez, L., Maeda, K., Navaratnam, M., Punn, R.
2022: 1-8
 - **Left Subclavian Artery Isolation with Right Aortic Arch and D-Transposition of the Great Arteries.** *CASE (Philadelphia, Pa.)*
Hansen, K., Dhillon, G., Ma, M., Maskatia, S. A., Su, L., Vasanawala, S., Punn, R.
1800; 5 (6): 392-398
 - **Prenatally diagnosed pseudoaneurysms of the mitral-aortic intervalvular fibrous area.** *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*
Hogan, W. J., Punn, R., Dean, P., Strainic, J., Rychik, J., Williams, R. V., Moon-Grady, A. J., Silverman, N. H.
2021
 - **Longitudinal Assessment of Right Ventricular Function in Hypoplastic Left Heart Syndrome.** *Pediatric cardiology*
Balasubramanian, S., Smith, S. N., Srinivasan, P., Tacy, T. A., Hanley, F. L., Chen, S., Wright, G. E., Peng, L. F., Punn, R.
2021
 - **Tele-Clinic Visits in Pediatric Patients with Marfan Syndrome using Parentally-Acquired Echo.** *The Journal of pediatrics*
Chen, A. n., Punn, R. n., Collins, R. T., Chen, J. H., Stauffer, K. J., Wang, R. n., Alexander, S. n., MacMillen Lechich, K. n., Murphy, D. J., Chung, S. n., Selamet Tierney, E. S.
2021
 - **A Fetal Risk Stratification Pathway for Neonatal Aortic Coarctation Reduces Medical Exposure.** *The Journal of pediatrics*
Maskatia, S. A., Kwiatkowski, D., Bhombal, S., Davis, A. S., McElhinney, D. B., Tacy, T. A., Algaze, C., Blumenfeld, Y., Quirin, A., Punn, R.
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., Punn, 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., Punn, R.
2020; 13 (3): 186-193
 - **The Natural and Unnatural History of Ventricular Septal Defects Presenting in Infancy: An Echocardiography-Based Review.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Cox, K., Algaze-Yojay, C., Punn, R., Silverman, N.
2020
 - **UTILIZATION OF FUNCTIONAL ECHOCARDIOGRAPHY AND NEAR-INFRARED SPECTROSCOPY TO CHARACTERIZE DUCTAL HEMODYNAMICS IN THE PREMATURE NEONATE**
Ringle, M., Chock, V. Y., Stauffer, K., Lopez, L., Punn, R., Bhombal, S.
BMJ PUBLISHING GROUP.2020: A49
 - **Cardiac Dysfunction Identified by Strain Echocardiography Is Associated With Illness Severity in Pediatric Sepsis.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Patel, M. D., Mariano, K. n., Dunbar, T. n., Cornell, T. T., Punn, R. n., Haileselassie, B. n.
2020
 - **Circulating whole genome miRNA expression corresponds to progressive right ventricle enlargement and systolic dysfunction in adults with tetralogy of Fallot.** *PloS one*
Weldy, C. S., Syed, S. A., Amsallem, M., Hu, D., Ji, X., Punn, R., Taylor, A., Navarre, B., Reddy, S.
2020; 15 (11): e0241476
 - **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., Punn, R.
2019

- **Serial assessment of postoperative ventricular mechanics in young children with tetralogy of Fallot: Comparison of transannular patch and valve-sparing repair** *CONGENITAL HEART DISEASE*
Annavaajhala, V., Punn, R., Tacy, T. A., Hanley, F. L., McElhinney, D. B.
2019; 14 (5): 691–99
- **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., Punn, R.
2019; 32 (6): 763–+
- **Role of echocardiography in the assessment of right ventricular function in the pediatric population** *PEDIATRIC ANESTHESIA*
Kamra, K., Punn, R.
2019; 29 (5): 530–38
- **Role of echocardiography in the assessment of right ventricular function in the pediatric population.** *Paediatric anaesthesia*
Kamra, K., Punn, R.
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., Punn, R. n.
2019
- **Cerebrovascular Blood Flow in Patients with Tetralogy of Fallot: Prediction for Early Surgical Intervention.** *Prenatal diagnosis*
Campbell, M. n., Ronai, C. n., Punn, R. n., Tacy, T. n., Tworetzky, W. n., Madriago, E. n.
2019
- **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., Punn, R. n.
2019
- **A Retrospective Evaluation of Echocardiograms to Establish Normative Inferior Vena Cava and Aortic Measurements for Children Younger Than 6 Years** *JOURNAL OF ULTRASOUND IN MEDICINE*
Stenson, E. K., Punn, R., Ramsi, M., Kache, S.
2018; 37 (9): 2225–32
- **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., Balasubramanian, S., Punn, R., Quirin, A., Tacy, T. A.
2018; 39 (6): 1181–87
- **Interstage evaluation of homograft-valved right ventricle to pulmonary artery conduits for palliation of hypoplastic left heart syndrome** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Sandeep, N., Punn, R., Balasubramanian, S., Smith, S. N., Reinhartz, O., Zhang, Y., Wright, G. E., Peng, L. F., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.
2018; 155 (4): 1747–+
- **High human herpesvirus 6 viral load in pediatric allogeneic hematopoietic stem cell transplant patients is associated with detection in end organs and high mortality** *PEDIATRIC TRANSPLANTATION*
Winestone, L. E., Punn, R., Tamaresis, J. S., Buckingham, J., Pinsky, B. A., Waggoner, J. J., Kharbanda, S.
2018; 22 (2)
- **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., Punn, R. n., Quirin, A. n., Tacy, T. A.
2018
- **Left Ventricular Systolic Myocardial Deformation: A Comparison of Two- and Three-Dimensional Echocardiography in Children** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Balasubramanian, S., Punn, R., Smith, S. N., Houle, H., Tacy, T. A.
2017; 30 (10): 974–83

- **Echocardiography-Derived Left Ventricular Outflow Tract Gradient and Left Ventricular Posterior Wall Thickening Are Associated with Outcomes for Anatomic Repair in Congenitally Corrected Transposition of the Great Arteries.** *Journal of the American Society of Echocardiography*
Moodley, S., Balasubramanian, S., Tacy, T. A., Chan, F., Hanley, F. L., Punn, R.
2017
- **LVOT-VTI is a Useful Indicator of Low Ventricular Function in Young Patients.** *Pediatric cardiology*
Navaratnam, M., Punn, R., Ramamoorthy, C., Tacy, T. A.
2017
- **Major Aortopulmonary Collateral Arteries With Anatomy Other Than Pulmonary Atresia/Ventricular Septal Defect.** *Annals of thoracic surgery*
Patrick, W. L., Mainwaring, R. D., Reinhartz, O., Punn, R., Tacy, T., Hanley, F. L.
2017
- **Pericardial Effusion Following Hematopoietic Cell Transplantation in Children and Young Adults Is Associated with Increased Risk of Mortality.** *Biology of blood and marrow transplantation*
Cox, K., Punn, R., Weiskopf, E., Pinsky, B. A., Kharbanda, S.
2017
- **Changing Management of the Patent Ductus Arteriosus: Effect on Neonatal Outcomes and Resource Utilization.** *American journal of perinatology*
Chock, V. Y., Goel, V. V., Palma, J. P., Luh, T. M., Wang, N. A., Gaskari, S., Punn, R., Silverman, N. H., Benitz, W. E.
2017
- **Institution of Venous-arterial Extracorporeal Membrane Oxygenation Does Not Lead to Increased Wall Stress in Patients with Impaired Myocardial Function** *PEDIATRIC CARDIOLOGY*
Koth, A. M., Axelrod, D. M., Reddy, S., Roth, S. J., Tacy, T. A., Punn, R.
2017; 38 (3): 539-546
- **Institution of Venous-arterial Extracorporeal Membrane Oxygenation Does Not Lead to Increased Wall Stress in Patients with Impaired Myocardial Function.** *Pediatric cardiology*
Koth, A. M., Axelrod, D. M., Reddy, S., Roth, S. J., Tacy, T. A., Punn, R.
2016
- **Near-infrared spectroscopy for detection of a significant patent ductus arteriosus.** *Pediatric research*
Chock, V. Y., Rose, L. A., Mante, J. V., Punn, R.
2016; 80 (5): 675-680
- **Diagnosing Neonatal Aortic Coarctation in the Setting of Patent Ductus Arteriosus** *ANNALS OF THORACIC SURGERY*
Peng, D. M., Punn, R., Maeda, K., Tierney, E. S.
2016; 101 (3): 1005-1011
- **Pericardial Effusion Following Hematopoietic Cell Transplantation in Children Is Associated with Increased Risk of Mortality**
Cox, K., Punn, R., Schnorr, E., Kharbanda, S.
ELSEVIER SCIENCE INC.2016: S240
- **Double-Switch Repair of Corrected Transposition in Association With Criss-Cross Atrial Morphology** *ANNALS OF THORACIC SURGERY*
Zeigler, S., Mainwaring, R. D., Punn, R., Petrossian, E., Hanley, F. L.
2016; 101 (3): 1208-10
- **Diagnosing Neonatal Aortic Coarctation in the Setting of Patent Ductus Arteriosus.** *Annals of thoracic surgery*
Peng, D. M., Punn, R., Maeda, K., Selamet Tierney, E. S.
2016; 101 (3): 1005-1010
- **Assessment of Speckle-Tracking Echocardiography-Derived Global Deformation Parameters During Supine Exercise in Children** *PEDIATRIC CARDIOLOGY*
Liu, M. Y., Tacy, T., Chin, C., Obayashi, D. Y., Punn, R.
2016; 37 (3): 519-527
- **Assessment of Speckle-Tracking Echocardiography-Derived Global Deformation Parameters During Supine Exercise in Children.** *Pediatric cardiology*
Liu, M. Y., Tacy, T., Chin, C., Obayashi, D. Y., Punn, R.
2016; 37 (3): 519-527

- **A Pilot Study Assessing ECG versus ECHO Ventriculoventricular Optimization in Pediatric Resynchronization Patients.** *Journal of cardiovascular electrophysiology*
Punn, R., Hanisch, D., Motonaga, K. S., Rosenthal, D. N., Ceresnak, S. R., Dubin, A. M.
2016; 27 (2): 210-216
- **Cardioplegia Dose Effect on Immediate Postoperative Alterations in Coronary Artery Flow Velocities After Congenital Cardiac Surgery.** *Pediatric cardiology*
Davidson, H., Punn, R., Tacy, T. A.
2016; 37 (2): 364-371
- **Routine intra-operative trans-oesophageal echocardiography yields better outcomes in surgical repair of CHD.** *Cardiology in the young*
Madriago, E. J., Punn, R., Geeter, N., Silverman, N. H.
2016; 26 (2): 263-268
- **Hemoptysis as a rare presentation of cor triatriatum sinister** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Said, S. M., Ibrahimiyeh, A. N., Punn, R., Hanley, F. L.
2015; 150 (5): E73-E75
- **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., Punn, R., Chan, F. P., Maeda, K., Balasubramanian, S.
2015; 6 (3): 470-473
- **Fate of Right Ventricle to Pulmonary Artery Conduits After Complete Repair of Pulmonary Atresia and Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*
Mainwaring, R. D., Patrick, W. L., Punn, R., Palmon, M., Reddy, V. M., Hanley, F. L.
2015; 99 (5): 1685-1691
- **Diminished exercise capacity and chronotropic incompetence in pediatric patients with congenital complete heart block and chronic right ventricular pacing.** *Heart rhythm*
Motonaga, K. S., Punn, R., Axelrod, D. M., Ceresnak, S. R., Hanisch, D., Kazmucha, J. A., Dubin, A. M.
2015; 12 (3): 560-565
- **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., Punn, R.
2015; 28 (3): 284-293
- **Echocardiographic measures associated with early postsurgical myocardial dysfunction in pediatric patients with mitral valve regurgitation.** *Journal of the American Society of Echocardiography*
Arunamata, A., Selamet Tierney, E. S., Tacy, T. A., Punn, R.
2015; 28 (3): 284-293
- **Ventricular lead redundancy to prevent cardiovascular events and sudden death from lead fracture in pacemaker-dependent children.** *Heart rhythm*
Ceresnak, S. R., Perera, J. L., Motonaga, K. S., Avasarala, K., Malloy-Walton, L., Hanisch, D., Punn, R., Maeda, K., Reddy, V. M., Doan, L. N., Kirby, K., Dubin, A. M.
2015; 12 (1): 111-116
- **Predictors of Mortality in Pediatric Patients on Venarterial Extracorporeal Membrane Oxygenation** *PEDIATRIC CRITICAL CARE MEDICINE*
Punn, R., Axelrod, D. M., Sherman-Levine, S., Roth, S. J., Tacy, T. A.
2014; 15 (9): 870-877
- **Arterial applanation tonometry: feasibility and reproducibility in children and adolescents.** *American journal of hypertension*
Lowenthal, A., Evans, J. M., Punn, R., Nourse, S. E., Vu, C. N., Popat, R. A., Selamet Tierney, E. S.
2014; 27 (9): 1218-1224
- **Arterial Applanation Tonometry: Feasibility and Reproducibility in Children and Adolescents** *AMERICAN JOURNAL OF HYPERTENSION*
Lowenthal, A., Evans, J. M., Punn, R., Nourse, S. E., Vu, C. N., Popat, R. A., Tierney, E. S.
2014; 27 (9): 1218-1224
- **Coronary sinus obstruction after atrioventricular canal defect repair.** *Congenital heart disease*
Peng, D. M., Sun, H. Y., Hanley, F. L., Olson, I., Punn, R.

2014; 9 (4): E121-4

- **Surgical repair of anomalous aortic origin of a coronary artery†.** *European journal of cardio-thoracic surgery*
Mainwaring, R. D., Reddy, V. M., Reinhartz, O., Petrossian, E., Punn, R., Hanley, F. L.
2014; 46 (1): 20-26
- **Evaluation of Risk Factors for Prediction of Outcome in Fetal Spectrum of Atrioventricular Septal Defects** *CONGENITAL HEART DISEASE*
Bader, R. S., Punn, R., Silverman, N. H.
2014; 9 (4): 286-293
- **Supine cycling in pediatric exercise testing: disparity in performance measures.** *Pediatric cardiology*
May, L. J., Punn, R., Olson, I., Kazmucha, J. A., Liu, M. Y., Chin, C.
2014; 35 (4): 705-710
- **Predictors of bronchopulmonary dysplasia or death in premature infants with a patent ductus arteriosus.** *Pediatric research*
Chock, V. Y., Punn, R., Oza, A., Benitz, W. E., Van Meurs, K. P., Whittemore, A. S., Behzadian, F., Silverman, N. H.
2014; 75 (4): 570-575
- **Transcatheter device closure of a congenital aortic-left atrial tunnel.** *Congenital heart disease*
Sun, H. Y., Buccola, K. J., Punn, R., Silverman, N. H., Peng, L. F., Perry, S. B., Balasubramanian, S.
2014; 9 (1): E23-6
- **Ebstein anomaly and Trisomy 21: A rare association** *ANNALS OF PEDIATRIC CARDIOLOGY*
Siehr, S. L., Punn, R., Priest, J. R., Lowenthal, A.
2014; 7 (1): 67-69
- **LONGITUDINAL PLASMA ENDOTHELIN-1 LEVELS IN PREMATURE INFANTS WITH AND WITHOUT BRONCHOPULMONARY DYSPLASIA**
Johnson, C., Chitkara, R., McCarthy, E., Fineman, J. R., Sun, C., Kim, L., Hintz, S. R., Van Meurs, K. P., Punn, R., Milla, C. E., Feinstein, J. A.
LIPPINCOTT WILLIAMS & WILKINS.2014: 179-80
- **Transcatheter Device Closure of a Congenital Aortic-Left Atrial Tunnel** *CONGENITAL HEART DISEASE*
Sun, H. Y., Buccola, K. J., Punn, R., Silverman, N. H., Peng, L. F., Perry, S. B., Balasubramanian, S.
2014; 9 (1): E23-E26
- **Ebstein anomaly and Trisomy 21: A rare association.** *Annals of pediatric cardiology*
Siehr, S. L., Punn, R., Priest, J. R., Lowenthal, A.
2014; 7 (1): 67-69
- **Systemic hypertension in an infant with unrepaired tetralogy of Fallot: case report** *CARDIOLOGY IN THE YOUNG*
Khoury, M., Kallile, M., May, J., Punn, R.
2013; 23 (5): 746-748
- **Echocardiographic Predictors of Early Postsurgical Myocardial Dysfunction in Pediatric Patients With Aortic Valve Insufficiency** *PEDIATRIC CARDIOLOGY*
Lowenthal, A., Tacy, T. A., Behzadian, F., Punn, R.
2013; 34 (6): 1335-1343
- **Decremental Left Ventricular Deformation after Pulmonary Artery Band Training and Subsequent Repair in Ventriculoarterial Discordance** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Sun, H. Y., Behzadian, F., Punn, R., Tacy, T. A.
2013; 26 (7): 765-774
- **Aortic valve disease in pulmonary atresia and major aortopulmonary collaterals.** *Annals of thoracic surgery*
Mainwaring, R. D., Dimeling, G., Punn, R., Hanley, F. L.
2013; 95 (6): 2122-2125
- **Physiologic and molecular characterization of a murine model of right ventricular volume overload.** *American journal of physiology. Heart and circulatory physiology*
Reddy, S., Zhao, M., Hu, D., Fajardo, G., Katznelson, E., Punn, R., Spin, J. M., Chan, F. P., Bernstein, D.
2013; 304 (10): H1314-27

- **Physiologic and molecular characterization of a murine model of right ventricular volume overload.** *American journal of physiology. Heart and circulatory physiology*
Reddy, S., Zhao, M., Hu, D., Fajardo, G., Katznelson, E., Punn, R., Spin, J. M., Chan, F. P., Bernstein, D.
2013; 304 (10): H1314-27
- **Surgical Reconstruction of Pulmonary Stenosis With Ventricular Septal Defect and Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*
Mainwaring, R. D., Punn, R., Reddy, V. M., Hanley, F. L.
2013; 95 (4): 1417-1421
- **PREDICTORS OF MORTALITY IN PEDIATRIC PATIENTS ON VENOUS-ARTERIAL EXTRACORPOREAL MEMBRANE OXYGENATION** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Punn, R., Axelrod, D., Roth, S., Tacy, T.
ELSEVIER SCIENCE INC.2013: E436-E436
- **Surgical reconstruction of peripheral pulmonary artery stenosis in Williams and Alagille syndromes** *38th Annual Meeting of the Western-Thoracic-Surgical-Association*
Monge, M. C., Mainwaring, R. D., Sheikh, A. Y., Punn, R., Reddy, V. M., Hanley, F. L.
MOSBY-ELSEVIER.2013: 476-81
- **Insights into dyssynchrony in Hypoplastic Left Heart Syndrome** *HEART RHYTHM*
Motonaga, K. S., Miyake, C. Y., Punn, R., Rosenthal, D. N., Dubin, A. M.
2012; 9 (12): 2010-2015
- **Surgical outcomes for patients with pulmonary atresia/major aortopulmonary collaterals and Alagille syndrome** *25th Annual Meeting of the European-Association-for-Cardio-Thoracic-Surgery (EACTS)*
Mainwaring, R. D., Sheikh, A. Y., Punn, R., Reddy, V. M., Hanley, F. L.
OXFORD UNIV PRESS INC.2012: 235-41
- **Supine Exercise Echocardiographic Measures of Systolic and Diastolic Function in Children** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Punn, R., Obayashi, D. Y., Olson, I., Kazmucha, J. A., Depucci, A., Hurley, M. P., Chin, C.
2012; 25 (7): 773-781
- **Tissue Doppler-Derived Measurement of Isovolumic Myocardial Contraction in the Pediatric Population** *PEDIATRIC CARDIOLOGY*
Punn, R., Behzadian, F., Tacy, T. A.
2012; 33 (5): 720-727
- **Imaging of the Aorta: Embryology and Anatomy** *SEMINARS IN ULTRASOUND CT AND MRI*
Murillo, H., Lane, M. J., Punn, R., Fleischmann, D., Restrepo, C. S.
2012; 33 (3): 169-190
- **Is There a Rote for Cardiac Resynchronization Therapy in Pediatric Pulmonary Hypertension?** *32nd Annual Meeting and Scientific Sessions of the International-Society-for-Heart-and-Lung-Transplantation / Meeting of the ISHLT Academy - Core Competencies in Mechanical Circulatory Support*
Motonaga, K. S., MIYAKE, C. Y., Punn, R., Rosenthal, D. N., Feinstein, J. A., Dubin, A. M.
ELSEVIER SCIENCE INC.2012: S29-S29
- **Late Repair of the Native Pulmonary Valve in Patients With Pulmonary Insufficiency After Surgery for Tetralogy of Fallot** *ANNALS OF THORACIC SURGERY*
Mainwaring, R. D., Pirollo, T., Punn, R., Hanley, F. L.
2012; 93 (2): 677-679
- **Echocardiographic Diagnosis and Prognosis of Fetal Left Ventricular Noncompaction** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Arunamata, A., Punn, R., Cuneo, B., Bharati, S., Silverman, N. H.
2012; 25 (1): 112-120
- **Novel Electrocardiogram Manifestations of a Tension Pneumothorax** *PEDIATRIC CARDIOLOGY*
Punn, R., Seslar, S. P.
2011; 32 (8): 1258-1259

- **Surgical Results in Patients With Pulmonary Atresia-Major Aortopulmonary Collaterals in Association With Total Anomalous Pulmonary Venous Connection** *ANNALS OF THORACIC SURGERY*
Mainwaring, R. D., Reddy, M., Reinhartz, O., Punn, R., Tacy, T., Hanley, F. L.
2011; 92 (5): 1756-1760
- **QTc prolongation in children following congenital cardiac disease surgery** *CARDIOLOGY IN THE YOUNG*
Punn, R., Lamberti, J. J., Balise, R. R., Seslar, S. P.
2011; 21 (4): 400-410
- **Fetal Predictors of Urgent Balloon Atrial Septostomy in Neonates with Complete Transposition** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Punn, R., Silverman, N. H.
2011; 24 (4): 425-430
- **The Echocardiographic Evaluation of Left Ventricular Non-compaction** *Pediatric Ultrasound Today*
Punn R, Silverman N
2011; 16 (6): 109-28
- **Annular Tilt as a Screening Test for Right Ventricular Enlargement in Patients with Tetralogy of Fallot** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
Punn, R., Behzadian, F., Tacy, T. A.
2010; 23 (12): 1297-1302
- **Newborn with Persistent Truncus Arteriosus and Interrupted Aortic Arch Demonstrating Reverse Left Subclavian Artery Flow** *PEDIATRIC CARDIOLOGY*
Chan, E. L., Tacy, T. A., Punn, R.
2010; 31 (8): 1254-1256
- **Anomalies Associated With a Prominent Azygos Vein on Echocardiography in the Pediatric Population** *JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY*
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