

Stanford



Rajesh Punn, M.D.

Clinical Professor, Pediatrics - Cardiology

CLINICAL OFFICE (PRIMARY)

- **Heart Center**

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Bio

CLINICAL FOCUS

- Pediatrics, General
- Pediatric Cardiology

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Director, Ambulatory 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, Not Recruiting

Publications

PUBLICATIONS

- **Durability of Bioprosthetic and Mechanical Valves Implanted for Aortic Valve Replacement in Pediatric Patients.** *Circulation. Cardiovascular interventions*

Yokota, R., Zhang, Y., Jaggi, A., Perry, T., Martin, E., Ma, M., Punn, R., Hanley, F. L., McElhinney, D. B.
2026: e015931

- **Diastolic Function Unchanged After Lifestyle Intervention Despite Improved VO2 in Pediatric Heart Transplant Patients.** *Pediatric cardiology*
Brennan, A., Mardy, C., Punn, R., Tierney, S.
2026
- **Accuracy of fetal echocardiography in detecting lesions associated with, and predicting surgical plan for, dextro-transposition of the great arteries and double outlet right ventricle with subpulmonary ventricular septal defect and predicted transposition physiology.** *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*
Chandrasekar, H., Kaplinski, M., Maskatia, S. A., Beattie, M. J., Ho, D. Y., Reddy, C. D., Punn, R.
2026
- **Immersive Healing: Approach to Easing Anxiety in Pediatric Cardiology Outpatient Procedures through Virtual Reality Distracting Techniques**
Kohlsaatt, K., Punn, R., Jameson, S., Menendez, M., Ceresnak, S., Mederios, P., Barnett, M.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Use of Artificial Intelligence-Based Software to Aid in the Identification of Ultrasound Findings Associated With Fetal Congenital Heart Defects.** *Obstetrics and gynecology*
Lam-Rachlin, J., Punn, R., Behera, S. K., Geiger, M., Lachaud, M., David, N., Garmel, S., Fox, N. S., Rebarber, A., DeVore, G. R., Zelop, C. M., Janssen, M. K., Sylvester-Armstrong, et al
2025
- **Outcomes of Fetuses with Mild Aortic Stenosis: A Multicenter Study.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Papneja, K., Tworetzky, W., Rychik, J., Natarajan, S., Tian, Z., Madriago, E., Zhang, A., Beattie, M., McElhinney, D., Maskatia, S. A., Tacy, T. A., Punn, R., Kaplinski, et al
2025
- **Left Atrial Mechanics in Isolated Total Anomalous Pulmonary Venous Connection After Repair.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Brennan, A., Tierney, S., Thorson, K., Ma, M., Ho, D. Y., Martin, E., Punn, R.
2025
- **Artificial Intelligence for the Detection of Fetal Ultrasound Findings Concerning for Major Congenital Heart Defects.** *Obstetrics and gynecology*
Zelop, C. M., Lam-Rachlin, J., Arunamata, A., Punn, R., Behera, S. K., Lachaud, M., David, N., DeVore, G. R., Rebarber, A., Fox, N. S., Gayanilo, M., Garmel, S., Boukobza, et al
2025
- **Suboptimal Inter-Rater Reliability Limits Predictive Value of Fetal Echocardiography for Neonatal Balloon Atrial Septostomy in Fetuses with Dextro-Transposition of the Great Arteries.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Chandrasekar, H., Maskatia, S. A., Beattie, M. J., Kaplinski, M. A., Punn, R., Reddy, C. D., Jensen, A., Tacy, T. A.
2025
- **Systolic Performance of the Single Ventricle, Exercise Capacity, and Endothelial Function in Pediatric Fontan Patients.** *American heart journal*
Gallegos, F. N., Bernstein, D., Punn, R., Long, J., Stauffer, K. J., Thorson, K., Chen, S., Lui, M. C., Olson, I., Myers, J., Palaniappan, L., Tierney, S.
2025
- **Hemodynamic Effects of Altering Tidal Volume During Positive Pressure Ventilation in the Fontan Circulation: A Randomized Crossover Trial.** *Paediatric anaesthesia*
Navaratnam, M., Schmidt, A. R., Kaplinski, M., De Souza, E., Beattie, M. J., Rowe, E. V., Punn, R., Ramamoorthy, C.
2025
- **The Elusive Nature of "Simple" D-transposition During Perinatal Transition.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Punn, R., Moon-Grady, A. J.
2025

- **Association Between Location of Pulmonary Outflow Obstruction and Right Ventricular Size and Function After Repair of Tetralogy of Fallot, Pulmonary Atresia, and Major Aortopulmonary Collaterals.** *Pediatric cardiology*
Brennan, A., Punn, R., Lopez, L., Long, Z., McElhinney, D. B., Mainwaring, R. D., Ma, M., Friedberg, M. K., Hanley, F. L., Arunamata, A. A.
2024
- **Normal Fetal Ventricular Strain Pilot Study.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
McFarland, C., Pruitt, C., Donofrio, M. T., Freud, L. R., Lopez, L., Minich, L. L., Moon-Grady, A. J., Ou, Z., Punn, R., Tacy, T. A., Fatusin, O., Pinto, N.
2024
- **Abstracts of the 34th World Congress on Ultrasound in Obstetrics and Gynecology, 15-18 September 2024, Budapest, Hungary.** *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*
Lam-Rachlin, J., Punn, R., Lachaud, M., David, N., Garmel, S., Bessis, R., Heiligenstein, M., Sylvester-Armstrong, K. R., Kennedy, J. P., Rebarber, A., Fox, N., Chelli, D., Boukobza, et al
2024; 64 Suppl 1: 63
- **Abstracts of the 34th World Congress on Ultrasound in Obstetrics and Gynecology, 15-18 September 2024, Budapest, Hungary.** *Ultrasound in obstetrics & gynecology : the official journal of the International Society of Ultrasound in Obstetrics and Gynecology*
Chen, R., Di, M., Cai, Q., Ma, M., Tian, Y., Chen, Y., Zhao, B. W.
2024; 64 Suppl 1: 63-64
- **Echocardiographic Predictors of Readiness for Double Switch Operation and Postoperative Ejection Fraction in Patients with Congenitally Corrected Transposition of the Great Arteries Undergoing Left Ventricular Retraining.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Duong, S. Q., Ho, D., Punn, R., Sganga, D., Mainwaring, R., Ma, M., Hanley, F. L., Lee, K. J., Maskatia, S. A.
2024
- **A Prospective Randomized Controlled Trial Using Virtual Reality in Pediatric Pre-intervention Echocardiograms to Decrease Child Anxiety and Fear.** *Pediatric cardiology*
Behera, S. K., Punn, R., Menendez, M., Be, C., Moon, S., Zuniga, M., Stauffer, K. J., Thorson, K., Asi, N., Lopez, L.
2024
- **Left Ventricular Strain, Arch Angulation, and Velocity-Time Integral Ratio Improve Performance of a Clinical Pathway for Fetal Diagnosis of Neonatal Coarctation of the Aorta.** *Fetal diagnosis and therapy*
Phillips, A. A., Punn, R., Algaze, C., Blumenfeld, Y. J., Chock, V. Y., Kwiatkowski, D. M., Quirin, A., Tacy, T. A., Thorson, K., Maskatia, S. A.
2024: 1-15
- **Right Ventricular and Outflow Tract Functional Characteristics After Repair of Tetralogy of Fallot with Major Aortopulmonary Collaterals.** *Pediatric cardiology*
Long, Z. B., Punn, R., Zhang, Y., Arunamata, A. A., Asija, R., Ma, M., Hanley, F. L., McElhinney, D. B.
2024
- **Cannula Positioning in an Infant on Venoarterial Extracorporeal Membrane Oxygenation: A Rare Cause of Reverse Differential Cyanosis.** *CASE (Philadelphia, Pa.)*
Ramachandra, R., Ellison, G. A., Su, F., Punn, R.
2024; 8 (1): 21-24
- **Retroaortic Innominate Vein in Association With Pulmonary Atresia/Major Aortopulmonary Collaterals.** *Annals of thoracic surgery short reports*
Mainwaring, R. D., Desai, M., Punn, R., Felmly, L. M., Hanley, F. L.
2023; 1 (3): 436-440
- **Tricuspid valve annular tilt for assessment of pre- and post-intervention right ventricular volume in patients undergoing transcatheter pulmonary valve replacement.** *Cardiology in the young*
Reddy, C. D., Yokota, R., Punn, R.
2023: 1-7
- **Is Our Assessment of Ventricular Function Now Twisted?** *JACC. Advances*
Punn, R.
2023; 2 (4): 100395

- **Design and Rationale of RE-ENERGIZE FONTAN: RandomizEd Exercise iNtERvention desiGned to maximIZe fitness in FONTAN patients.** *American heart journal*
Tierney, E. S., Palaniappan, L., Leonard, M., Long, J., Myers, J., Dávila, T., Lui, M. C., Kogan, F., Olson, I., Punn, R., Desai, M., Schneider, L. M., Wang, et al
2023
- **Targeted Neonatal Echocardiography in Patients With Hemodynamic Instability.** *Pediatrics*
Rahde Bischoff, A., Bhombal, S., Altman, C. A., Fraga, M. V., Punn, R., Rohatgi, R. K., Lopez, L., McNamara, P. J.
2022; 150 (Suppl 2)
- **Hemodynamic and Echocardiographic Predictors of Mortality in Pediatric Patients on Venoarterial Extracorporeal Membrane Oxygenation - A Multicenter Investigation.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Punn, R., Falkensammer, C. B., Blinder, J. J., Fifer, C. G., Thorsson, T., Perens, G., Federman, M., Gupta, P., Best, T., Arya, B., Chan, T., Sherman-Levine, S., Smith, et al
2022
- **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., Vasanaawala, 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*

Annavaijhala, 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., Tamareisis, 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 Veno-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 Veno-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*
Madiago, 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 Venoarterial 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.
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