




Ronnie Thomas Collins

Clinical Associate Professor, Pediatrics - Cardiology

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Pediatric Heart Center**

725 Welch Rd Ste 120

MC 5912

Palo Alto, CA 94304

Tel (650) 721-2121 **Fax** (650) 497-8422

- **Pediatric Cardiology**

750 Welch Rd Ste 321

Palo Alto, CA 94304

Tel (650) 723-7913 **Fax** (650) 725-8343

- **Stanford Children's Hospital Cardiovascular Medicine**

700 Welch Rd Ste 114

Palo Alto, CA 94304

Tel (650) 497-7278 **Fax** (650) 725-2878

Bio

CLINICAL FOCUS

- Pediatric Cardiology
- Williams syndrome
- Marfan syndrome
- Loeys-Dietz syndrome
- Connective tissue disorders

ACADEMIC APPOINTMENTS

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

ADMINISTRATIVE APPOINTMENTS

- Co-director, Cardiogenomics, (2020- present)
- Director, Cardiovascular Connective Tissue Disorders Program, Lucile Packard Children's Hospital Stanford, (2017- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Fellow, American College of Cardiology (2021 - present)
- Diplomate, American Heart Association (2005 - present)
- Fellow, American Academy of Pediatrics (2002 - present)
- Professional Advisory Board Member, Williams Syndrome Association (2013 - present)
- Editorial Board Member, American Journal of Cardiology (2018 - present)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2016)
- Board Certification: Pediatrics, American Board of Pediatrics (2016)
- Fellowship: Children's Hospital of Philadelphia Pediatric Residency (2010) PA
- Fellowship: Children's Hospital of Philadelphia Pediatric Residency (2009) PA
- Residency: University of Tennessee Health Science Center Pediatric Residency (2006) TN
- Board Certification: Adult Congenital Heart Disease, American Board of Internal Medicine (2015)
- Medical Education: University of Tennessee College of Medicine (2002) TN

LINKS

- Cardiovascular Connective Tissue Disorders Program Webpage: <http://ctd.stanfordchildrens.org>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research endeavors are focused on populations with connective tissue disorders that manifest as cardiovascular abnormalities, such as Williams, Marfan, and Loeys-Dietz syndromes. Additionally, as a member of the California Center of BD-Steps II, I study birth defects associated with congenital heart disease.

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Vongai Mlambo

Publications

PUBLICATIONS

- **A clinical scoring system for early onset (neonatal) Marfan syndrome.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Zarate, Y. A., Morris, S. A., Blackshare, A., Algaze, C. A., Connor, B. S., Kim, A. J., Yutzey, K. E., Miller, E. M., Weaver, K. N., Collins, R. T.
2022
- **The Importance of Formalized, Lifelong Physician Career Development: Making the Case for a Paradigm Shift.** *Academic medicine : journal of the Association of American Medical Colleges*
Collins, R. T., Sanford, R.
2021
- **A validated model for prediction of survival to 6months in patients with trisomy 13 and 18.** *American journal of medical genetics. Part A*
Kosiv, K. A., Long, J., Lee, H. C., Collins, R. T.
2021

- **Cardiac involvement in classical or hypermobile Ehlers-Danlos syndrome is uncommon.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Paige, S. L., Lechich, K. M., Tierney, E. S., Collins, R. T.
2020
- **Maternal dietary fat intake and the risk of congenital heart defects in offspring.** *Pediatric research*
Collins, R. T., Yang, W., Carmichael, S. L., Bolin, E. H., Nembhard, W. N., Shaw, G. M., National Birth Defects Prevention Study
2020
- **Leadership in Medicine** *AMERICAN JOURNAL OF CARDIOLOGY*
Collins, R.
2019; 124 (4): 650-651
- **Outcomes of Pulmonary Artery Reconstruction in Williams Syndrome** *ANNALS OF THORACIC SURGERY*
Collins, R., Mainwaring, R. D., MacMillen, K. L., Hanley, F. L.
2019; 108 (1): 146-53
- **Outcomes of pulmonary artery reconstruction in Williams syndrome.** *The Annals of thoracic surgery*
Collins, R. T., Mainwaring, R. D., MacMillen, K. L., Hanley, F. L.
2019
- **Congenital heart disease complexity and childhood cancer risk** *BIRTH DEFECTS RESEARCH*
Collins, R., Von Behren, J., Yang, W., Carmichael, S. L., Reynolds, P., Fisher, P. G., Shaw, G. M.
2018; 110 (17): 1314-21
- **Cardiovascular disease in Williams syndrome.** *Current opinion in pediatrics*
Collins, R. T.
2018; 30 (5): 609-615
- **Transcatheter Versus Surgical Pulmonary Valve Replacement in Repaired Tetralogy of Fallot.** *The American journal of cardiology*
Daily, J. A., Tang, X., Angtuaco, M., Bolin, E., Lang, S. M., Collins, R. T.
2018; 122 (3): 498-504
- **Cardiovascular imaging in Turner syndrome: state-of-the-art practice across the lifespan.** *Heart (British Cardiac Society)*
Mortensen, K. H., Young, L. n., De Backer, J. n., Silberbach, M. n., Collins, R. T., Duijnhouwer, A. L., Pandya, B. n., Gravholt, C. H., Lopez, L. n., Roos-Hesselink, J. W.
2018; 104 (22): 1823-31
- **Cardiovascular Health in Turner Syndrome: A Scientific Statement From the American Heart Association.** *Circulation. Genomic and precision medicine*
Silberbach, M. n., Roos-Hesselink, J. W., Andersen, N. H., Braverman, A. C., Brown, N. n., Collins, R. T., De Backer, J. n., Eagle, K. A., Hiratzka, L. F., Johnson, W. H., Kadian-Dodov, D. n., Lopez, L. n., Mortensen, et al
2018; 11 (10): e000048
- **Congenital Heart Surgery on In-Hospital Mortality in Trisomy 13 and 18.** *Pediatrics*
Kosiv, K. A., Gossett, J. M., Bai, S., Collins, R. T.
2017; 140 (5)
- **Propranolol Versus Digoxin in the Neonate for Supraventricular Tachycardia (from the Pediatric Health Information System).** *The American journal of cardiology*
Bolin, E. H., Lang, S. M., Tang, X., Collins, R. T.
2017; 119 (10): 1605-1610
- **Advanced cardiovascular imaging in Williams syndrome: Abnormalities, usefulness, and strategy for use.** *American journal of medical genetics. Part A*
Hills, J. A., Zarate, Y. A., Danylchuk, N. R., Lepard, T., Chen, J. C., Collins, R. T.
2017; 173 (5): 1194-1199
- **Peri-procedural risk stratification and management of patients with Williams syndrome.** *Congenital heart disease*
Collins R. T., Collins, M. G., Schmitz, M. L., Hamrick, J. T.
2017; 12 (2): 133-142

- **Aortic dilation, genetic testing, and associated diagnoses.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Zarate, Y. A., Sellars, E., Lepard, T., Tang, X., Collins, R. T.
2016; 18 (4): 356-63
- **Adverse cardiac events in children with Williams syndrome undergoing cardiovascular surgery: An analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database.** *The Journal of thoracic and cardiovascular surgery*
Hornik, C. P., Collins, R. T., Jaquiss, R. D., Jacobs, J. P., Jacobs, M. L., Pasquali, S. K., Wallace, A. S., Hill, K. D.
2015; 149 (6): 1516-22.e1
- **#-Blockers and angiotensin converting enzyme inhibitors: comparison of effects on aortic growth in pediatric patients with Marfan syndrome.** *The Journal of pediatrics*
Phomakay, V., Huett, W. G., Gossett, J. M., Tang, X., Bornemeier, R. A., Collins, R. T.
2014; 165 (5): 951-5
- **Cardiovascular disease in Williams syndrome.** *Circulation*
Collins, R. T.
2013; 127 (21): 2125-34
- **Abnormalities of cardiac repolarization in Williams syndrome.** *The American journal of cardiology*
Collins, R. T., Aziz, P. F., Gleason, M. M., Kaplan, P. B., Shah, M. J.
2010; 106 (7): 1029-33
- **Long-term outcomes of patients with cardiovascular abnormalities and williams syndrome.** *The American journal of cardiology*
Collins, R. T., Kaplan, P., Somes, G. W., Rome, J. J.
2010; 105 (6): 874-8
- **Virtual Transcatheter Interventions for Peripheral Pulmonary Artery Stenosis in Williams and Alagille Syndromes.** *Journal of the American Heart Association*
Lan, I. S., Yang, W., Feinstein, J. A., Kreutzer, J., Collins, R. T., Ma, M., Adamson, G. T., Marsden, A. L.
2022: e023532
- **Regionalization of Congenital Heart Surgery: Can We Make it Reality?** *The Annals of thoracic surgery*
Bolin, E. H., Nembhard, W. N., Collins, R. T.
2021; 112 (2): 685
- **Comparison of Postoperative, In-Hospital Outcomes After Complete Repair of Tetralogy of Fallot Between 22q11.2 Deletion Syndrome and Trisomy 21.** *Pediatric cardiology*
Nissen, T. E., Zaniletti, I., Collins, R. T., Greiten, L. E., Prodhan, P., Seib, P. M., Bolin, E. H.
2021
- **Impact of Modified Anesthesia Management for Pediatric Patients With Williams Syndrome.** *Journal of cardiothoracic and vascular anesthesia*
Schmidt, A. R., Collins, R. T., Adusumelli, Y., Ramamoorthy, C., Weng, Y., MacMillen, K. L., Navaratnam, M.
2021
- **The Outcomes of Surgical Separation in Thoracopagus Twins with Conjoined Hearts: An Analysis of the Literature.** *Pediatric cardiology*
Collins, R. T., O'Connor, M. J.
2021; 42 (4): 875-882
- **Pulmonary arteries of Williams syndrome patients exhibit altered serotonin metabolism genes and degenerated medial layer architecture.** *Pediatric research*
Ma, X., Collins, R. T., Goodman, A., Hanley, F. L., Riemer, R. K.
2021
- **Pericardial Effusion in Children Admitted With Kawasaki Disease: A Multicenter Retrospective Cohort Study From the Pediatric Health Information System.** *Clinical pediatrics*
Schexnayder, A. G., Tang, X., Collins, R. T., Schexnayder, S. M., Bolin, E. H.
2021; 60 (1): 9-15
- **Clinical Significance of Screening Electrocardiograms for the Administration of Propranolol for Problematic Infantile Hemangiomas.** *International journal of pediatrics*
Phillips, J. D., Merrill, T., Gardner, J. R., Thomas Collins, R. 2., Sanchez, J., Johnson, A. B., Eble, B. K., Hartzell, L. D., Kincannon, J. M., Richter, G. T.

2021; 2021: 6657796

- **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
- **Implementation of a statewide, multisite fetal tele-echocardiography program: evaluation of more than 1100 fetuses over 9 years.** *Journal of perinatology : official journal of the California Perinatal Association*
Bolin, E. H., Collins, R. T., Best, T. H., Zakaria, D., Lang, S. M., Boushka, M. G., Renno, M. S., Heil, L. L., Lowery, C. L., Bornemeier, R. A.
2020; 40 (10): 1524-1530
- **Surgical repair of coronary artery ostial stenosis in patients with Williams and elastin arteriopathy syndromes.** *The Journal of thoracic and cardiovascular surgery*
Mainwaring, R. D., Collins, R. T., Patrick, W. L., Martin, E., MacMillen, K. L., Hanley, F. L.
2020
- **Aortic Geometry in Patients with Duplication 7q11.23 Compared to Healthy Controls.** *Pediatric cardiology*
Lechich, K. M., Zarate, Y. A., Daily, J. A., Collins, R. T.
2020; 41 (6): 1199-1205
- **The success and failure of the adult congenital heart.** *Heart failure reviews*
Collins, R. T.
2020; 25 (4): 553-554
- **Letter to the Editor.** *Journal of paediatrics and child health*
Lang, S. M., Bolin, E. H., Daily, J. A., Collins, R. T.
2020; 56 (4): 659-660
- **Pulmonary Artery Reconstruction Following Failed Pulmonary Artery Stents.** *The Annals of thoracic surgery*
Mainwaring, R. D., Collins, R. T., MacMillen, K. L., Palmon, M., Hanley, F. L.
2020
- **A Predictive Model for Intracardiac Pressures in Patients Free from Rejection or Allograft Vasculopathy After Pediatric Heart Transplantation.** *Transplantation*
Mills, M. F., Long, J., Qin, F., Collins, R. T., Rosenthal, D. N., Almond, C. S., Hollander, S. A.
2020
- **Rationale and design of CH STRONG: Congenital Heart Survey To Recognize Outcomes, Needs, and well-beinG.** *American heart journal*
Farr, S. L., Klewer, S. E., Nembhard, W. N., Alter, C. n., Downing, K. F., Andrews, J. G., Collins, R. T., Glidewell, J. n., Benavides, A. n., Goudie, A. n., Riehle-Colarusso, T. n., Overman, L. n., Riser, et al
2020; 221: 106–13
- **Surgical repair of peripheral pulmonary artery stenosis in patients without williams or alagille syndromes.** *Seminars in thoracic and cardiovascular surgery*
Martin, E. n., Mainwaring, R. D., Collins, R. T., MacMillen, K. L., Hanley, F. L.
2020
- **The Limited Benefit of Follow-Up Echocardiograms After Repair of Tetralogy of Fallot.** *Pediatric cardiology*
Xu, J., Guthrey, C., Dalby, S., Tang, X., Daily, J., Collins, R. T.
2019; 40 (8): 1722-1727
- **Adverse Pregnancy and Neonatal Outcomes Among Marshallese Women Living in the United States** *MATERNAL AND CHILD HEALTH JOURNAL*
Nembhard, W. N., Ayers, B. L., Collins, R., Shan, X., Rabie, N. Z., Chang, D., Robbins, J. M., McElfish, P. A.
2019; 23 (11): 1525–35
- **Nuclear radiation and prevalence of structural birth defects among infants born to women from the Marshall Islands.** *Birth defects research*
Nembhard, W. N., McElfish, P. A., Ayers, B., Collins, R. T., Shan, X., Rabie, N. Z., Zarate, Y. A., Maity, S., Cen, R., Robbins, J. A.
2019; 111 (16): 1192-1204
- **Comparison of inhospital outcomes of pediatric heart transplantation between single ventricle congenital heart disease and cardiomyopathy.** *Pediatric transplantation*

-
- Bradford, T. T., Daily, J. A., Lang, S. M., Gossett, J. M., Tang, X., Collins, R. T.
2019; 23 (6): e13495
- **Risk factors associated with the development of double-inlet ventricle congenital heart disease** *BIRTH DEFECTS RESEARCH*
Paige, S. L., Yang, W., Priest, J. R., Botto, L. D., Shaw, G. M., Collins, R., Natl Birth Defects Prevention
2019; 111 (11): 640-48
 - **Real-Time Transthoracic Vector Flow Imaging of the Heart in Pediatric Patients.** *Progress in pediatric cardiology*
Collins, R. T., Laughlin, M. E., Lang, S. M., Bolin, E. H., Daily, J. A., Jensen, H. A., Jensen, M. O.
2019; 53: 28-36
 - **Dichotomizing the spectrum of ductal shunt places long-term outcomes research at risk Reply** *JOURNAL OF PEDIATRICS*
Collins, R., Lyle, R. E., Casey, P. H.
2019; 209: 257-258
 - **Constitutive activation of the PI3K-AKT pathway and cardiovascular abnormalities in an individual with Kosaki overgrowth syndrome** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Zarate, Y. A., Boccuto, L., Srikanth, S., Pauly, R., Ocal, E., Balmakund, T., Hinkle, K., Stefans, V., Schaefer, G. B., Collins, R.
2019; 179 (6): 1047-52
 - **Constitutive activation of the PI3K-AKT pathway and cardiovascular abnormalities in an individual with Kosaki overgrowth syndrome.** *American journal of medical genetics. Part A*
Zarate, Y. A., Boccuto, L., Srikanth, S., Pauly, R., Ocal, E., Balmakund, T., Hinkle, K., Stefans, V., Schaefer, G. B., Collins, R. T.
2019
 - **Risk factors associated with the development of double-inlet ventricle congenital heart disease.** *Birth defects research*
Paige, S. L., Yang, W., Priest, J. R., Botto, L. D., Shaw, G. M., Collins, R. T., National Birth Defects Prevention Study
2019
 - **Effect of pericardial effusion on outcomes in children admitted with systemic lupus erythematosus: a multicenter retrospective cohort study from the United States.** *Lupus*
Dalby, S. T., Tang, X., Daily, J. A., Sukumaran, S., Collins, R. T., Bolin, E. H.
2019; 28 (3): 389-395
 - **Resource Utilization Among Adult Congenital Heart Failure Admissions in Pediatric Hospitals** *AMERICAN JOURNAL OF CARDIOLOGY*
Chan, J., Collins, R., Hall, M., John, A.
2019; 123 (5): 839-46
 - **Sacrificing the Future for the Sake of the Present.** *Annals of surgery*
Collins, R. T., Shin, A. Y., Hanley, F. L.
2019
 - **Resource Utilization Among Adult Congenital Heart Failure Admissions in Pediatric Hospitals.** *The American journal of cardiology*
Chan, J., Collins, R. T., Hall, M., John, A.
2018
 - **Utility of Follow-Up Annual Echocardiograms in Patients With Complete Transposition of the Great Arteries After Arterial Switch Operations** *AMERICAN JOURNAL OF CARDIOLOGY*
Shivaram, P., Padiyath, A., Bai, S., Gossett, J. M., Collins, R.
2018; 122 (11): 1972-1976
 - **Long-Term Neurodevelopment of Low-Birthweight, Preterm Infants with Patent Ductus Arteriosus.** *The Journal of pediatrics*
Collins, R. T., Lyle, R. E., Rettiganti, M., Gossett, J. M., Robbins, J. M., Casey, P. H.
2018
 - **Parental-reported neurodevelopmental issues in Loey's-Dietz syndrome.** *Research in developmental disabilities*
Collins, R. T., Flor, J. M., Tang, X., Bange, J. M., Zarate, Y. A.
2018; 83: 153-159
 - **50 Years Ago in The Journal of Pediatrics: Trisomy 13 (D1) Syndrome: Studies on Parental Age, Sex Ratio, and Survival.** *The Journal of pediatrics*
Collins, R. T., Kosiv, K.

2018; 199: 84

- **Feasibility of Transthoracic Echocardiography Evaluation of Pulmonary Arteries Following Arterial Switch Operation.** *Pediatric cardiology*
Lang, S. M., Crawford, R. L., Shivaram, P., Daily, J. A., Bolin, E. H., Tang, X., Collins, R. T.
2018
- **Short-Axis Diastolic Ventricular Area Ratio as a New Index in Screening Patients with Repaired Tetralogy of Fallot.** *Pediatric cardiology*
Zakaria, D., Lang, S., Rettiganti, M., Gossett, J. M., Bolin, E., Collins, R. T.
2018
- **Author Response.** *Pediatrics*
Collins, R. T., Kosiv, K., Bai, S., Gossett, J.
2018; 141 (5)
- **Impact of Bicuspid Aortic Valve Morphology on Aortic Valve Disease and Aortic Dilatation in Pediatric Patients.** *Pediatric cardiology*
Ward, R. M., Marsh, J. M., Gossett, J. M., Rettiganti, M. R., Collins, R. T.
2018; 39 (3): 509-517
- **Characteristics of Non-postoperative Pediatric Pericardial Effusion: A Multicenter Retrospective Cohort Study from the Pediatric Health Information System (PHIS).** *Pediatric cardiology*
Bolin, E. H., Tang, X., Lang, S. M., Daily, J. A., Collins, R. T.
2018; 39 (2): 347-353
- **Magnetic Resonance Myocardial Perfusion Imaging: Safety and Indications in Pediatrics and Young Adults.** *Pediatric cardiology*
Biko, D. M., Collins, R. T., Partington, S. L., Harris, M., Whitehead, K. K., Keller, M. S., Fogel, M. A.
2018; 39 (2): 275-282
- **Arterial tortuosity syndrome: 40 new families and literature review.** *Genetics in medicine : official journal of the American College of Medical Genetics*
Beyens, A., Albuissou, J., Boel, A., Al-Essa, M., Al-Manea, W., Bonnet, D., Bostan, O., Boute, O., Busa, T., Canham, N., Cil, E., Coucke, P. J., Cousin, et al
2018
- **Congenital heart disease complexity and childhood cancer risk.** *Birth defects research*
Collins, R. T., Von Behren, J. n., Yang, W. n., Carmichael, S. L., Reynolds, P. n., Fisher, P. G., Shaw, G. M.
2018; 110 (17): 1314–21
- **Knowledge of Appropriate Outpatient Pediatric Echocardiogram Ordering in Primary Care Physicians and Trainees.** *The American journal of cardiology*
Lang, S. M., Daily, J. A., FitzGerald, M. R., Tang, X., Best, T. H., Robbins, J. M., Collins, R. T.
2017; 120 (7): 1209-1213
- **The impact of body weight on the diagnosis of aortic dilation-misdiagnosis in overweight and underweight groups.** *Echocardiography (Mount Kisco, N.Y.)*
Braley, K. T., Tang, X., Makil, E. S., Borroughs-Ray, D., Collins, R. T.
2017; 34 (7): 1029-1034
- **Frequency of Development of Aortic Valve Disease in Unrepaired Perimembranous Ventricular Septal Defects.** *The American journal of cardiology*
Padiyath, A., Makil, E. S., Braley, K. T., Bolin, E. H., Tang, X., Gossett, J. M., Collins, R. T.
2017; 119 (10): 1670-1674
- **How often is congenital heart disease recognized as a significant comorbidity among hospitalized adults with congenital heart disease?** *International journal of cardiology*
Robbins, J. M., Onukwube, J., Goudie, A., Collins, R. T.
2017; 235: 42-48
- **Alkaline Phosphatase: A Biomarker of Cardiac Function in Pediatric Patients.** *Pediatric cardiology*
Makil, E. S., Tang, X., Frazier, E. A., Collins, R. T.
2017; 38 (4): 762-769
- **Personal Finance for Pediatric Trainees.** *Clinical pediatrics*
Daily, J., Collins, R. T., Bolin, E.
2017; 56 (4): 313-315
- **National In-Hospital Outcomes of Pregnancy in Women With Single Ventricle Congenital Heart Disease.** *The American journal of cardiology*

- Collins, R. T., Chang, D., Sandlin, A., Goudie, A., Robbins, J. M.
2017; 119 (7): 1106-1110
- **Appropriateness and diagnostic yield of inpatient pediatric echocardiograms.** *Congenital heart disease*
Lang, S. M., Bolin, E., Daily, J. A., Tang, X., Thomas Collins, R.
2017; 12 (2): 210-217
 - **Diagnostic Yield of Outpatient Pediatric Echocardiograms: Impact of Indications and Specialty.** *Pediatric cardiology*
Lang, S. M., Bolin, E., Hardy, S., Tang, X., Collins, R. T.
2017; 38 (1): 162-169
 - **Risk Factors for Increased Hospital Resource Utilization and In-Hospital Mortality in Adults With Single Ventricle Congenital Heart Disease.** *The American journal of cardiology*
Collins, R. T., Doshi, P., Onukwube, J., Fram, R. Y., Robbins, J. M.
2016; 118 (3): 453-62
 - **Aortic complications following pediatric heart transplantation: A case series and review.** *Annals of pediatric cardiology*
Lang, S. M., Frazier, E. A., Collins, R. T.
2016; 9 (1): 42-5
 - **Aortic dilation in pediatric patients.** *European journal of pediatrics*
Zarate, Y. A., Sellars, E., Lepard, T., Carlo, W. F., Tang, X., Collins, R. T.
2015; 174 (12): 1585-92
 - **Combining clinical databases with genetic studies to help advance the causation model of congenital heart disease.** *The Journal of thoracic and cardiovascular surgery*
Hornik, C. P., Collins, R. T., Jaquiss, R. D., Jacobs, J. P., Jacobs, M. L., Pasquali, S. K., Wallace, A. S., Hill, K. D.
2015; 150 (5): 1380-1
 - **Population-based study of hospital costs for hospitalizations of infants, children, and adults with a congenital heart defect, Arkansas 2006 to 2011.** *Birth defects research. Part A, Clinical and molecular teratology*
Simeone, R. M., Oster, M. E., Hobbs, C. A., Robbins, J. M., Collins, R. T., Honein, M. A.
2015; 103 (9): 814-20
 - **Clinical utility of a next generation sequencing panel assay for Marfan and Marfan-like syndromes featuring aortopathy.** *American journal of medical genetics. Part A*
Wooderchak-Donahue, W., VanSant-Webb, C., Tvrđik, T., Plant, P., Lewis, T., Stocks, J., Raney, J. A., Meyers, L., Berg, A., Rope, A. F., Yetman, A. T., Bleyl, S. B., Mesley, et al
2015; 167A (8): 1747-57
 - **Factors associated with inpatient hospitalizations among patients aged 1 to 64 years with congenital heart defects, Arkansas 2006 to 2011.** *Birth defects research. Part A, Clinical and molecular teratology*
Simeone, R. M., Oster, M. E., Hobbs, C. A., Robbins, J. M., Thomas Collins, R., Honein, M. A.
2015; 103 (7): 589-96
 - **Cardiac diagnoses, procedures, and healthcare utilisation in inpatients with Ellis-van Crevelde syndrome.** *Cardiology in the young*
O'Connor, M. J., Tang, X., Collins, R. T.
2015; 25 (1): 95-101
 - **Impact of aortic aneurysm on hospitalizations in patients with marfan syndrome: a multi-institutional study.** *Pediatric cardiology*
Collins, R. T., Phomakay, V., Zarate, Y. A., Tang, X.
2015; 36 (1): 132-9
 - **Severe neonatal presentation of Kleeftstra syndrome in a patient with hypoplastic left heart syndrome and 9q34.3 microdeletion.** *Birth defects research. Part A, Clinical and molecular teratology*
Campbell, C. L., Collins, R. T., Zarate, Y. A.
2014; 100 (12): 985-90
 - **Cardiovascular and genitourinary anomalies in patients with duplications within the Williams syndrome critical region: phenotypic expansion and review of the literature.** *American journal of medical genetics. Part A*
Zarate, Y. A., Lepard, T., Sellars, E., Kaylor, J. A., Alfaro, M. P., Sailey, C., Schaefer, G. B., Collins, R. T.

2014; 164A (8): 1998-2002

- **Ventricular Hypertrophy on Electrocardiogram Correlates with Obstructive Lesion Severity in Williams Syndrome.** *Congenital heart disease*
Phomakay, V., Gossett, J. M., Kaplan, P. B., Swearingen, C. J., Collins, R. T.
2014; 10 (4): 302-9
- **Primary purulent pericarditis and secondary endocarditis: a case report.** *Cardiology in the young*
Bielefeld, K., O'Connor, M. J., Collins, R. T.
2014; 24 (3): 563-6
- **Extracorporeal membrane oxygenation for respiratory failure in the elderly: a review of the Extracorporeal Life Support Organization registry.** *ASAIO journal (American Society for Artificial Internal Organs : 1992)*
Mendiratta, P., Tang, X., Collins, R. T., Rycus, P., Brogan, T. V., Prodhon, P.
2014; 60 (4): 385-90
- **Hospital utilization in adults with single ventricle congenital heart disease and cardiac arrhythmias.** *Journal of cardiovascular electrophysiology*
Collins, R. T., Fram, R. Y., Tang, X., Robbins, J. M., St John Sutton, M.
2014; 25 (2): 179-86
- **Duplication of the ALDH1A2 gene in association with pentalogy of Cantrell: a case report.** *Journal of medical case reports*
Steiner, M. B., Vengoechea, J., Collins, R. T.
2013; 7: 287
- **Impact of anatomical subtype and medical comorbidities on hospitalizations in adults with single ventricle congenital heart disease.** *International journal of cardiology*
Collins, R. T., Fram, R. Y., Tang, X., Robbins, J. M., Sutton, M. S.
2013; 168 (5): 4596-601
- **Comparison of electrocardiographic QTc duration in patients with supraaortic stenosis with versus without Williams syndrome.** *The American journal of cardiology*
McCarty, H. M., Tang, X., Swearingen, C. J., Collins, R. T.
2013; 111 (10): 1501-4
- **An unusual presentation of necrotizing enterocolitis on an echocardiogram.** *Pediatric cardiology*
Abraham, B. P., Sachdeva, R., Vyas, P. G., Thomas Collins, R.
2012; 33 (8): 1427-9
- **Relation of ventricular ectopic complexes to QTc interval on ambulatory electrocardiograms in Williams syndrome.** *The American journal of cardiology*
Collins, R. T., Aziz, P. F., Swearingen, C. J., Kaplan, P. B.
2012; 109 (11): 1671-6
- **Long-term survival of patients with resting obstructive hypertrophic cardiomyopathy: more questions than answers.** *Journal of the American College of Cardiology*
Collins, R. T., Gossett, J. M., Swearingen, C. J.
2012; 59 (19): 1730; author reply 1730-1
- **Ellis-van Creveld syndrome and congenital heart defects: presentation of an additional 32 cases.** *Pediatric cardiology*
O'Connor, M. J., Collins, R. T.
2012; 33 (4): 491; discussion 491-2
- **Mitral valve diseases in Williams syndrome-case report and review of the literature.** *Echocardiography (Mount Kisco, N.Y.)*
Collins, R. T.
2012; 29 (3): 373; author reply 374
- **Conjoined hearts in thoracopagus twins.** *Pediatric cardiology*
Thomas Collins, R., Weinberg, P. M., Gruber, P. J., St John Sutton, M. G.
2012; 33 (2): 252-7
- **Clinical significance of prolonged QTc interval in Williams syndrome.** *The American journal of cardiology*
Collins, R. T.
2011; 108 (3): 471-3

- **Contemporary management of congenital malformations of the heart in infants with Ellis - van Creveld syndrome: a report of nine cases.** *Cardiology in the young*
O'Connor, M. J., Rider, N. L., Thomas Collins, R., Hanna, B. D., Holmes Morton, D., Strauss, K. A.
2011; 21 (2): 145-52
- **Atrioventricular valve dyssynchrony resulting from severe mitral regurgitation.** *Circulation*
Collins, R. T., Peyvandi, S., Cohen, M. S.
2011; 123 (6): 686-90
- **Stenosis of the thoracic aorta in Williams syndrome.** *Pediatric cardiology*
Collins, R. T., Kaplan, P., Rome, J. J.
2010; 31 (6): 829-33
- **Images in cardiovascular medicine. Mitral arcade: a rare cause of fatigue in an 18-year-old female.** *Circulation*
Collins, R. T., Ryan, M., Gleason, M. M.
2010; 121 (15): e379-83
- **Cardiovascular abnormalities, interventions, and long-term outcomes in infantile Williams syndrome.** *The Journal of pediatrics*
Collins, R. T., Kaplan, P., Somes, G. W., Rome, J. J.
2010; 156 (2): 253-8.e1
- **Racial and socioeconomic disparities in arterial stiffness and intima media thickness among adolescents. A commentary on Thurston and Matthews (68(5), 2009, 807-813).** *Social science & medicine (1982)*
Collins, R. T., Alpert, B. S.
2009; 69 (11): 1580-1; discussion 1582-3
- **Noninvasive assessment of subclinical atherosclerosis in children and adolescents: recommendations for standard assessment for clinical research: a scientific statement from the American Heart Association.** *Hypertension (Dallas, Tex. : 1979)*
Urbina, E. M., Williams, R. V., Alpert, B. S., Collins, R. T., Daniels, S. R., Hayman, L., Jacobson, M., Mahoney, L., Mietus-Snyder, M., Rocchini, A., Steinberger, J., McCrindle, B.
2009; 54 (5): 919-50
- **Asymptomatic anomalous right coronary artery from the pulmonary trunk.** *Cardiology in the young*
Thomas Collins, R., Davis, E., Stephens, P.
2009; 19 (4): 391-2
- **Pre-hypertension and hypertension in pediatrics: don't let the statistics hide the pathology.** *The Journal of pediatrics*
Collins, R. T., Alpert, B. S.
2009; 155 (2): 165-9
- **Arterial stiffness is increased in American adolescents compared to Japanese counterparts.** *Pediatric cardiology*
Collins, R. T., Somes, G. W., Alpert, B. S.
2009; 30 (6): 794-9
- **Images in cardiovascular medicine. Partial anomalous left pulmonary artery.** *Circulation*
Collins, R. T., Weinberg, P. M., Goldmuntz, E., Harris, M.
2009; 119 (17): 2405-7
- **Letter to editor in response to "Prevention of pediatric graft coronary artery disease: atorvastatin", by Chin et al.** *Pediatric transplantation*
Collins, R. T., Hanna, B., Shaddy, R. E.
2009; 13 (1): 141
- **Thoracopagus conjoined twins.** *Circulation*
Collins, R. T., Bhatti, T. R., Huff, D. S., Weinberg, P. M.
2008; 118 (14): 1496
- **Differences in arterial compliance among normotensive adolescent groups: Collins arterial compliance in adolescents.** *Pediatric cardiology*
Collins, R. T., Somes, G. W., Alpert, B. S.
2008; 29 (5): 929-34

- **Images in cardiovascular medicine. Pulmonary artery sling in an asymptomatic 15-year-old boy.** *Circulation*
Collins, R. T., Weinberg, P. M., Ewing, S., Fogel, M.
2008; 117 (18): 2403-2406
- **Assessment of vascular function: pulse wave velocity.** *The Journal of pediatrics*
Alpert, B. S., Collins, R. T.
2007; 150 (3): 219-20