

Stanford



Doff McElhinney

Professor of Cardiothoracic Surgery (Pediatric Cardiac Surgery) and of Pediatrics (Cardiology)

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Heart Center Research**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Tiffany Salinas

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Bio

CLINICAL FOCUS

- Pediatric Cardiology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Cardiothoracic Surgery
- Professor - University Medical Line, Pediatrics - Cardiology
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Residency: Children's Hospital of Philadelphia Pediatric Residency (2002) PA
- Fellowship: Boston Childrens Hospital Pediatric Cardiology Fellowship (2006) MA
- Fellowship: Boston Childrens Hospital Pediatric Cardiology Fellowship (2005) MA
- Medical Education: University of California at San Francisco School of Medicine (1998) CA
- Board Certification: Adult Congenital Heart Disease, American Board of Internal Medicine (2015)
- Board Certification: Pediatric Cardiology, American Board of Pediatrics (2006)
- Board Certification, Adult Congenital Heart Disease , American Board of Internal Medicine (2015)

LINKS

- Stanford Pediatric Cardiac Services: <http://med.stanford.edu/ctsurgery/clinical-care/pediatric-cardiac-surgery-services.html>
- Make an Appointment: <http://med.stanford.edu/ctsurgery/contact-us.html#division-of-pediatric-cardiac-surgery>
- Get a Second Opinion: <https://www.stanfordchildrens.org/en/landing/second-opinion>
- Clinical & Translational Research Program: <http://med.stanford.edu/ctrp.html>

- Follow us on Twitter: <https://twitter.com/StanfordCTSurg>

Research & Scholarship

CLINICAL TRIALS

- The Medtronic Harmony™ Transcatheter Pulmonary Valve Clinical Study, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Ankit Kushwaha

Publications

PUBLICATIONS

- **Correction: Exploring the feasibility of using long-term stored newborn dried blood spots to identify metabolic features for congenital heart disease screening.** *Biomarker research*
Ceresnak, S. R., Zhang, Y., Ling, X. B., Su, K. J., Tang, Q., Jin, B., Schilling, J., Chou, C. J., Han, Z., Floyd, B. J., Whitin, J. C., Hwa, K. Y., Sylvester, et al
2023; 11 (1): 101
- **Exploring the feasibility of using long-term stored newborn dried blood spots to identify metabolic features for congenital heart disease screening.** *Biomarker research*
Ceresnak, S. R., Zhang, Y., Ling, X. B., Su, K. J., Tang, Q., Jin, B., Schilling, J., Chou, C. J., Han, Z., Floyd, B. J., Whitin, J. C., Hwa, K. Y., Sylvester, et al
2023; 11 (1): 97
- **Right ventricular outflow tract obstruction associated with neointimal tissue accumulation and distortion of the Harmony TPV25 stent frame: Potential mechanisms and treatment.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Steinberg, Z. L., Cabalka, A. K., Balzer, D. T., Asnes, J. D., Morray, B. H., Gillespie, M. J., McElhinney, D. B.
2023
- **High-throughput quantitation of amino acids and acylcarnitine in cerebrospinal fluid: identification of PCNSL biomarkers and potential metabolic messengers** *FRONTIERS IN MOLECULAR BIOSCIENCES*
Ma, J., Chen, K., Ding, Y., Li, X., Tang, Q., Jin, B., Luo, R. Y., Thyparambil, S., Han, Z., Chou, C., Zhou, A., Schilling, J., Lin, et al
2023; 10
- **High-throughput quantitation of amino acids and acylcarnitine in cerebrospinal fluid: identification of PCNSL biomarkers and potential metabolic messengers.** *Frontiers in molecular biosciences*
Ma, J., Chen, K., Ding, Y., Li, X., Tang, Q., Jin, B., Luo, R. Y., Thyparambil, S., Han, Z., Chou, C. J., Zhou, A., Schilling, J., Lin, et al
2023; 10: 1257079
- **Fontan Associated Liver Disease: Canary in the Coal Mine or Silent Killer?** *Journal of the American Heart Association*
Haefele, C., McElhinney, D. B.
2023: e031597
- **Recommendations for centers performing pediatric heart surgery in the United States.** *The Journal of thoracic and cardiovascular surgery*
Backer, C. L., Overman, D. M., Dearani, J. A., Romano, J. C., Tweddell, J. S., Kumar, S. R., Marino, B. S., Bacha, E. A., Jaquiss, R. D., Zaidi, A. N., Gurvitz, M., Costello, J. M., Pierick, et al
2023
- **Recommendations for Centers Performing Pediatric Heart Surgery in the United States.** *The Annals of thoracic surgery*
Backer, C. L., Overman, D. M., Dearani, J. A., Romano, J. C., Tweddell, J. S., Kumar, S. R., Marino, B. S., Bacha, E. A., Jaquiss, R. D., Zaidi, A. N., Gurvitz, M., Costello, J. M., Pierick, et al
2023
- **20-Year Experience With Repair of Pulmonary Atresia or Stenosis and Major Aortopulmonary Collateral Arteries.** *Journal of the American College of Cardiology*

- McElhinney, D. B., Asija, R., Zhang, Y., Jaggi, A., Shek, J., Peng, L. F., Boltz, M. G., Ma, M., Martin, E., Hanley, F. L.
2023; 82 (12): 1206-1222
- **Altered expression of the L-arginine/nitric oxide pathway in ovarian cancer: metabolic biomarkers and biological implications.** *BMC cancer*
Chen, L., Tang, Q., Zhang, K., Huang, Q., Ding, Y., Jin, B., Liu, S., Hwa, K., Chou, C. J., Zhang, Y., Thyparambil, S., Liao, W., Han, et al
2023; 23 (1): 844
 - **Non-invasive estimation of pressure drop across aortic coarctations: validation of 0D and 3D computational models with in vivo measurements.** *medRxiv : the preprint server for health sciences*
Nair, P. J., Pfaller, M. R., Dual, S. A., McElhinney, D. B., Ennis, D. B., Marsden, A. L.
2023
 - **Recommendations for Centers Performing Pediatric Heart Surgery in the United States.** *World journal for pediatric & congenital heart surgery*
Backer, C. L., Overman, D. M., Dearani, J. A., Romano, J. C., Tweddell, J. S., Ram Kumar, S., Marino, B. S., Bacha, E. A., Jaquiss, R. D., Zaidi, A. N., Gurvitz, M., Costello, J. M., Pierick, et al
2023; 14 (5): 642-679
 - **Short- and Mid-Term Results of Pulmonary Valve Replacement with the Inspiris Valve.** *The Annals of thoracic surgery*
Ragheb, D. K., Martin, E., Jaggi, A., Lui, G. K., Maskatia, S. A., Ma, M., Hanley, F. L., McElhinney, D. B.
2023
 - **Evolving Utilization of Covered Stents for Treatment of Aortic Coarctation: Report From the IMPACT Registry.** *Circulation. Cardiovascular interventions*
Murray, B. H., Kennedy, K. F., McElhinney, D. B.
2023: e012697
 - **Comparison of Immersed Boundary Simulations of Heart Valve Hemodynamics Against In Vitro 4D Flow MRI Data.** *Annals of biomedical engineering*
Kaiser, A. D., Schiavone, N. K., Elkins, C. J., McElhinney, D. B., Eaton, J. K., Marsden, A. L.
2023
 - **Development of a Urine Metabolomics Biomarker-Based Prediction Model for Preeclampsia during Early Pregnancy.** *Metabolites*
Zhang, Y., Sylvester, K. G., Jin, B., Wong, R. J., Schilling, J., Chou, C. J., Han, Z., Luo, R. Y., Tian, L., Ladella, S., Mo, L., Maric, I., Blumenfeld, et al
2023; 13 (6)
 - **Outcomes After Development of Ventricular Arrhythmias in Single Ventricular Heart Disease Patients With Fontan Palliation.** *Circulation. Arrhythmia and electrophysiology*
Giacone, H. M., Chubb, H., Dubin, A. M., Motonaga, K. S., Ceresnak, S. R., Goodyer, W. R., Hanish, D., Trela, A. V., Boramanand, N., Lencioni, E., Boothroyd, D., Graber-Naidich, A., Wright, et al
2023: e011143
 - **One-Year Outcomes in a Pooled Cohort of Harmony Transcatheter Pulmonary Valve Clinical Trial Participants.** *JACC. Cardiovascular interventions*
Gillespie, M. J., McElhinney, D. B., Jones, T. K., Levi, D. S., Asnes, J., Gray, R. G., Cabalka, A. K., Fujimoto, K., Qureshi, A. M., Justino, H., Bergersen, L., Benson, L. N., Haugan, et al
2023
 - **Improved Right Ventricular Energy Efficiency by 4-Dimensional Flow Magnetic Resonance Imaging After Harmony Valve Implantation.** *JACC. Advances*
Woo, J. P., Dong, M. L., Kong, F., McElhinney, D. B., Schiavone, N., Chan, F., Lui, G. K., Haddad, F., Bernstein, D., Marsden, A.
2023; 2 (3)
 - **Serial Lung Perfusion Scintigraphy After Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals.** *World journal for pediatric & congenital heart surgery*
Wise-Faberowski, L., Long, J., Ma, M., Nadel, H. R., Shek, J., Feinstein, J. A., Martin, E., Hanley, F. L., McElhinney, D. B.
2023: 21501351231162959
 - **Decoupling Transmission and Transduction for Improved Durability of Highly Stretchable, Soft Strain Sensing: Applications in Human Health Monitoring.** *Sensors (Basel, Switzerland)*
Kight, A., Pirozzi, I., Liang, X., McElhinney, D. B., Han, A. K., Dual, S. A., Cutkosky, M.
2023; 23 (4)
 - **Improved Right Ventricular Energy Efficiency by 4-Dimensional Flow Magnetic Resonance Imaging After Harmony Valve Implantation** *JACC:Advances*
Woo, J. P., Dong, M. L., Kong, F., McElhinney, D. B., Schiavone, N., Chan, F., Lui, G. K., Haddad, F., Bernstein, D., Marsden, A.
2023; 2 (3)

- **Williams Syndrome: Supravalvar Aortic, Aortic Arch, Coronary and Pulmonary Arteries: Is Comprehensive Repair Advisable and Achievable?** *Seminars in thoracic and cardiovascular surgery. Pediatric cardiac surgery annual*
Ma, M., Martin, E., Algaze, C., Collins, R. T., McElhinney, D., Mainwaring, R., Hanley, F.
2023; 26: 2-8
- **One-Year Outcomes in an Expanded Cohort of Harmony Transcatheter Pulmonary Valve Recipients**
Asnes, J., Levi, D. S., Gillespie, M. J., Boe, B., McElhinney, D. B., Jones, T. K., Gray, R. G., Cabalka, A. K., Fujimoto, K., Qureshi, A. M., Justino, H., Bergersen, L., Benson, et al
SPRINGER.2022: 2002
- **Ventricular arrhythmias following transcatheter pulmonary valve replacement with the harmony TPV25 device.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Taylor, A., Yang, J., Dubin, A., Chubb, M. H., Motonaga, K., Goodyer, W., Giacone, H., Peng, L., Romfh, A., McElhinney, D., Ceresnak, S.
2022
- **Management of Infective Endocarditis in People Who Inject Drugs: A Scientific Statement From the American Heart Association** *CIRCULATION*
Baddour, L. M., Weimer, M. B., Wurcel, A. G., McElhinney, D. B., Marks, L. R., Fanucchi, L. C., Garrigos, Z., Pettersson, G. B., DeSimone, D. C., Council Lifelong Congenital Heart, Council Cardiovasc Surg Anesthesia, Council Cardiovasc Stroke Nursing, Council Clinical Cardiology, Council Peripheral Vasc Dis
2022; 146 (14): E187-E201
- **Single center blind testing of a US multi-center validated diagnostic algorithm for Kawasaki disease in Taiwan.** *Frontiers in immunology*
Kuo, H. C., Hao, S., Jin, B., Chou, C. J., Han, Z., Chang, L. S., Huang, Y. H., Hwa, K., Whitin, J. C., Sylvester, K. G., Reddy, C. D., Chubb, H., Ceresnak, et al
2022; 13: 1031387
- **Machine Learning for Pediatric Echocardiographic Mitral Regurgitation Detection.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Edwards, L. A., Feng, F., Iqbal, M., Fu, Y., Sanyahumbi, A., Hao, S., McElhinney, D. B., Ling, X. B., Sable, C., Luo, J.
2022
- **Impact and Modifiers of Ventricular Pacing in Patients With Single Ventricle Circulation.** *Journal of the American College of Cardiology*
Chubb, H., Bulic, A., Mah, D., Moore, J. P., Janousek, J., Fumanelli, J., Asaki, S. Y., Pflaumer, A., Hill, A. C., Escudero, C., Kwok, S. Y., Mangat, J., Ochoa Nunez, et al
2022; 80 (9): 902-914
- **Innominate artery patency after direct cannulation in neonates.** *JTCVS techniques*
Choi, P. S., Nasirov, T., Hanley, F., Peng, L., McElhinney, D. B., Ma, M.
2022; 14: 171-176
- **Elucidating tricuspid Doppler signal interpolation and its implication for assessing pulmonary hypertension** *PULMONARY CIRCULATION*
Dual, S. A., Verdonk, C., Amsallem, M., Pham, J., Obasohan, C., Nataf, P., McElhinney, D. B., Arunamata, A., Kuznetsova, T., Zamanian, R., Feinstein, J. A., Marsden, A., Haddad, et al
2022; 12 (3): e12125
- **REPLY: Risk of Endocarditis Extension in Ross Reintervention With Transcatheter Pulmonary Valve Replacement** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
McElhinney, D. B., Ewert, P., Schubert, S.
2022; 79 (21): E459
- **Distance from home to birth hospital, transfer, and mortality in neonates with hypoplastic left heart syndrome in California.** *Birth defects research*
Purkey, N. J., Ma, C., Lee, H. C., Hintz, S. R., Shaw, G. M., McElhinney, D. B., Carmichael, S. L.
2022
- **VENTRICULAR ARRHYTHMIAS FOLLOWING TRANSCATHETER PULMONARY VALVE REPLACEMENT WITH THE HARMONY(C) TPV 25 DEVICE**
Taylor, A., Yang, J., Dubin, A., Chubb, M., Motonaga, K., Goodyer, W., Giacone, H., Peng, L. F., Romfh, A. W., McElhinney, D. B., Ceresnak, S. R.
ELSEVIER SCIENCE INC.2022: 1362
- **Airway Characteristics of Patients With 22q11 Deletion Undergoing Pulmonary Artery Reconstruction Surgery: Retrospective Cohort Study.** *Pediatric critical care medicine : a journal of the Society of Critical Care Medicine and the World Federation of Pediatric Intensive and Critical Care Societies*
Sganga, D., Meister, K., Sidell, D. R., Wise-Faberowski, L., Shek, J., Ma, M., Martin, E., Hanley, F. L., McElhinney, D., Asija, R.
2022

- **Classic pattern dyssynchrony is associated with outcome in patients with Fontan circulation.** *Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography*
Rosner, A., McElhinney, D. B., Diab, S. G., Friedberg, M. K., Lui, G. K.
2022
- **Relation Between Pulmonary Artery Pressures Measured Intraoperatively and at One-Year Catheterization After Unifocalization and Repair of Tetralogy with Major Aortopulmonary Collateral Arteries.** *Seminars in thoracic and cardiovascular surgery*
Ma, M., Peng, L. F., Zhang, Y., Wise-Faberowski, L., Martin, E., Hanley, F. L., McElhinney, D. B.
1800
- **Reintervention and Survival After Transcatheter Pulmonary Valve Replacement.** *Journal of the American College of Cardiology*
McElhinney, D. B., Zhang, Y., Levi, D. S., Georgiev, S., Biernacka, E. K., Goldstein, B. H., Shahanavaz, S., Qureshi, A. M., Cabalka, A. K., Bauser-Heaton, H., Torres, A. J., Morray, B. H., Armstrong, et al
2022; 79 (1): 18-32
- **Long-Term Outcomes After Melody Transcatheter Pulmonary Valve Replacement in the US Investigational Device Exemption Trial.** *Circulation. Cardiovascular interventions*
Jones, T. K., McElhinney, D. B., Vincent, J. A., Hellenbrand, W. E., Cheatham, J. P., Berman, D. P., Zahn, E. M., Khan, D. M., Rhodes, J. F., Weng, S., Bergersen, L. J.
1800: CIRCINTERVENTIONS121010852
- **Mid-Term Outcomes from the Harmony Transcatheter Pulmonary Valve Pivotal Trial and Continued Access Study**
Gillespie, M., McElhinney, D., Jones, T., Levi, D., Weng, S., Cheatham, J.
SPRINGER.2021: 1903
- **Early-pregnancy prediction of risk for pre-eclampsia using maternal blood leptin/ceramide ratio: discovery and confirmation.** *BMJ open*
Huang, Q., Hao, S., You, J., Yao, X., Li, Z., Schilling, J., Thyparambil, S., Liao, W., Zhou, X., Mo, L., Ladella, S., Davies-Balch, S. R., Zhao, et al
2021; 11 (11): e050963
- **Multicenter Study of Endocarditis After Transcatheter Pulmonary Valve Replacement.** *Journal of the American College of Cardiology*
McElhinney, D. B., Zhang, Y., Abouhosn, J. A., Morray, B. H., Biernacka, E. K., Qureshi, A. M., Torres, A. J., Shahanavaz, S., Goldstein, B. H., Cabalka, A. K., Bauser-Heaton, H., Georgiev, S., Berger, et al
2021; 78 (6): 575-589
- **Clinical and hemodynamic characteristics of the pediatric failing Fontan.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Dykes, J. C., Rosenthal, D. N., Bernstein, D., McElhinney, D. B., Chrisant, M. R., Daly, K. P., Ameduri, R. K., Knecht, K., Richmond, M. E., Lin, K. Y., Urschel, S., Simmonds, J., Simpson, et al
2021
- **The challenges of an aging Tetralogy of Fallot population.** *Expert review of cardiovascular therapy*
Woo, J. P., McElhinney, D. B., Lui, G. K.
2021
- **Updates on transcatheter pulmonary valve replacement** *PROGRESS IN PEDIATRIC CARDIOLOGY*
Morray, B. H., McElhinney, D. B.
2021; 61
- **Right Ventricular Function and T1-Mapping in Boys With Duchenne Muscular Dystrophy.** *Journal of magnetic resonance imaging : JMRI*
Dual, S. A., Maforo, N. G., McElhinney, D. B., Prosper, A., Wu, H. H., Maskatia, S., Renella, P., Halnon, N., Ennis, D. B.
2021
- **RIGHT VENTRICULAR OUTFLOW TRACT AND PULMONARY ARTERY GEOMETRY IN PATIENTS WITH REPAIRED TETRALOGY OF FALLOT PRIOR TO PULMONARY VALVE REPLACEMENT-CHARACTERIZATION AND LONGITUDINAL ASSOCIATION WITH BIOPROSTHETIC VALVE FUNCTION**
Arana, V., Chan, F., Schiavone, N., Reddy, S., Hanley, F., Marsden, A., McElhinney, D.
ELSEVIER SCIENCE INC.2021: 1410
- **Durability of Pulmonary Valve Replacement with Large Diameter Stented Porcine Bioprostheses.** *Seminars in thoracic and cardiovascular surgery*
Maeda, K., Lui, G. K., Zhang, Y., Maskatia, S. A., Romfh, A., Yarlagaadda, V. V., Hanley, F. L., McElhinney, D. B.
2021

- **Balloon Angioplasty for Pulmonary Artery Stenosis After Complete Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals** *JOURNAL OF INVASIVE CARDIOLOGY*
Long, Z. B., Adamson, G. T., Peng, L. F., Perry, S. B., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.
2021; 33 (5): E378-E386
- **Balloon Angioplasty for Pulmonary Artery Stenosis After Complete Unifocalization and Repair of Tetralogy of Fallot With Major Aortopulmonary Collaterals.** *The Journal of invasive cardiology*
Long, Z. B., Adamson, G. T., Peng, L. F., Perry, S. B., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.
2021
- **Association between Pre-Albumin and Malnutrition in Children with Advanced Heart Failure**
Gonzales, S., Schultz, L., Dykes, J. C., Chen, S., Wujcik, K., Kaufman, B., Chen, C., Maeda, K., McElhinney, D. B., Almond, C.
ELSEVIER SCIENCE INC.2021: S203
- **Comparison of the investigational device exemption and post-approval trials of the Melody transcatheter pulmonary valve.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Kreutzer, J., Armstrong, A. K., Rome, J. J., Zellers, T. M., Balzer, D. T., Zampi, J. D., Cabalka, A. K., Javois, A. J., Turner, D. R., Gray, R. G., Moore, J. W., Weng, S., Jones, et al
2021
- **Timing of Transfer and Mortality in Neonates with Hypoplastic Left Heart Syndrome in California.** *Pediatric cardiology*
Purkey, N. J., Ma, C., Lee, H. C., Hintz, S. R., Shaw, G. M., McElhinney, D. B., Carmichael, S. L.
2021
- **Semilunar Valve Interventions for Congenital Heart Disease: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
Murray, B. H., McElhinney, D. B.
2021; 77 (1): 71-79
- **Alternative to heart-lung transplantation for end-stage tetralogy of Fallot with major aortopulmonary collaterals: Simultaneous heart transplantation and pulmonary artery reconstruction.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Adamson, G. T., Profita, E. L., Quinonez, Z. A., McElhinney, D. B., Rosenthal, D. N., Ma, M. n.
2021
- **Comprehensive diagnostic catheterization in children with major aortopulmonary collateral arteries: A review of catheterization technique and anatomic nomenclature.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Adamson, G. T., Peng, L. F., Perry, S. B., Hanley, F. L., McElhinney, D. B.
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., Pun, R.
2021
- **Identification of patients at risk of new onset heart failure: Utilizing a large statewide health information exchange to train and validate a risk prediction model.** *PloS one*
Duong, S. Q., Zheng, L., Xia, M., Jin, B., Liu, M., Li, Z., Hao, S., Alfreds, S. T., Sylvester, K. G., Widen, E., Teuteberg, J. J., McElhinney, D. B., Ling, et al
2021; 16 (12): e0260885
- **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
- **Mid-Term Outcomes After Unifocalization Guided by Intraoperative Pulmonary Flow Study.** *World journal for pediatric & congenital heart surgery*
Goodman, A., Ma, M., Zhang, Y., Ryan, K. R., Jahadi, O., Wise-Faberowski, L., Hanley, F. L., McElhinney, D. B.
2021; 12 (1): 76-83
- **In Vitro Assessment of Right Ventricular Outflow Tract Anatomy and Valve Orientation Effects on Bioprosthetic Pulmonary Valve Hemodynamics.** *Cardiovascular engineering and technology*
Schiaivone, N. K., Elkins, C. J., McElhinney, D. B., Eaton, J. K., Marsden, A. L.
2021
- **Transcatheter Pulmonary Valve Replacement With the Sapien Prosthesis.** *Journal of the American College of Cardiology*

- Shahanavaz, S., Zahn, E. M., Levi, D. S., Aboulhousn, J. A., Hascoet, S., Qureshi, A. M., Porras, D., Morgan, G. J., Bauser Heaton, H., Martin, M. H., Keeshan, B., Asnes, J. D., Kenny, et al
2020; 76 (24): 2847–58
- **Maternal metabolic profiling to assess fetal gestational age and predict preterm delivery: a two-centre retrospective cohort study in the US.** *BMJ open*
Sylvester, K. G., Hao, S., You, J., Zheng, L., Tian, L., Yao, X., Mo, L., Ladella, S., Wong, R. J., Shaw, G. M., Stevenson, D. K., Cohen, H. J., Whitin, et al
2020; 10 (12): e040647
 - **Risk Factors for Mortality and Circulatory Outcome Among Neonates Prenatally Diagnosed With Ebstein Anomaly or Tricuspid Valve Dysplasia: A Multicenter Study.** *Journal of the American Heart Association*
Freud, L. R., McElhinney, D. B., Kalish, B. T., Escobar-Diaz, M. C., Komarlu, R., Puchalski, M. D., Jaeggi, E. T., Szwast, A. L., Freire, G., Levasseur, S. M., Kavanaugh-McHugh, A., Michelfelder, E. C., Moon-Grady, et al
2020: e016684
 - **Management and Outcomes of Transvenous Pacing Leads in Patients Undergoing Transcatheter Tricuspid Valve Replacement.** *JACC. Cardiovascular interventions*
Anderson, J. H., McElhinney, D. B., Aboulhousn, J., Zhang, Y., Ribichini, F., Eicken, A., Whisenant, B., Jones, T., Kornowski, R., Dvir, D., Cabalka, A. K., VIVID Registry
2020
 - **Outcomes After Transcatheter Reintervention for Dysfunction of a Previously Implanted Transcatheter Pulmonary Valve.** *JACC. Cardiovascular interventions*
Shahanavaz, S., Berger, F., Jones, T. K., Kreutzer, J., Vincent, J. A., Eicken, A., Bergersen, L., Rome, J. J., Zahn, E., Sondergaard, L., Cheatham, J. P., Weng, S., Balzer, et al
2020; 13 (13): 1529–40
 - **Association between Pre-Albumin and Malnutrition in Children with Advanced Heart Failure**
Gonzales, S., Schultz, L., Dykes, J., Chen, S., Wujcik, K., Kaufman, B., Chen, C., Maeda, K., McElhinney, D. B., Almond, C.
ELSEVIER SCIENCE INC.2020: S452
 - **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.
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