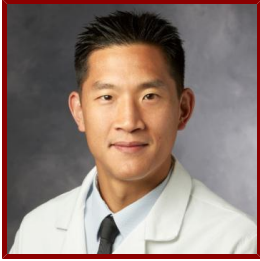


Stanford



Michael Ma

Assistant Professor of Cardiothoracic Surgery (Pediatric Cardiac Surgery)

CLINICAL OFFICES

- **Stanford Dept of Cardiothoracic Surgery**

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Bio

BIO

Michael Ma, MD is an Assistant Professor of Cardiothoracic Surgery in the Division of Pediatric Cardiac Surgery at Stanford University. His practice encompasses all aspects of congenital heart disease, with an emphasis on neonates, complex biventricular repair, pulmonary artery reconstruction, and heart failure. Dr. Ma's translational research lab utilizes biomechanical engineering principles to optimize existing and develop de novo surgical and endovascular therapies in the ongoing treatment of complex heart defects.

CLINICAL FOCUS

- Neonatal Cardiac Surgery
- Pediatric Cardiac Surgery
- Thoracic and Cardiac Surgery

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Cardiothoracic Surgery
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Board Certification: Thoracic and Cardiac Surgery, American Board of Thoracic Surgery (2017)
- Board Certification: Congenital Cardiac Surgery, American Board of Thoracic Surgery (2021)
- Board Certification, American Board of Thoracic Surgery , Congenital Cardiac Surgery (2021)
- Fellowship: Stanford University Dept of Cardiothoracic Surgery (2018) CA
- Residency: Stanford University Dept of Cardiothoracic Surgery (2016) CA
- Medical Education: Columbia University College of Physicians and Surgeons (2010) NY
- BS, Stanford University , Chemical Engineering (2003)

LINKS

- Stanford Pediatric Cardiac Services: <http://med.stanford.edu/ctsurgery/clinical-care/pediatric-cardiac-surgery-services.html>
- Ma Lab: <https://med.stanford.edu/cve.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>
- Follow us on Twitter: <https://twitter.com/StanfordCTSurg>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our lab aims to understand the biomechanics that govern a wide spectrum of congenital heart defects, and how those biomechanics change with contemporary operative repair strategies. We simulate operations virtually via CFD, and in ex vivo and in vivo animal models, and analyze how the changes we make alter fluid flow, pressure, and stresses throughout the system. We hope that these experiments can impact and optimize existing techniques that translate quickly to the operating room.

CLINICAL TRIALS

- Comparison of Methods of Pulmonary Blood Flow Augmentation in Neonates: Shunt Versus Stent (The COMPASS Trial), Recruiting
- The Medtronic Harmony™ Transcatheter Pulmonary Valve Clinical Study, Not Recruiting

Publications

PUBLICATIONS

- **Ex Vivo Modeling of Atrioventricular Valve Mechanics in Single Ventricle Physiology.** *Annals of biomedical engineering*
Moye, S. C., Kidambi, S., Lee, J. Y., Cowles, T. H., Gilligan-Steinberg, S. D., Bryan, A. Y., Wilkerson, R., Woo, Y. J., Ma, M. R.
2023
- **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
- **Force Profiles of Single Ventricle Atrioventricular Leaflets in Response to Annular Dilation and Leaflet Tethering.** *Seminars in thoracic and cardiovascular surgery*
Kidambi, S., Moye, S. C., Lee, J., Cowles, T. H., Strong, E. B., Wilkerson, R., Paulsen, M. J., Woo, Y. J., Ma, M. R.
2022
- **Evaluating predicted heart mass in adolescent heart transplantation.** *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*
Lee, J. Y., Zawadzki, R. S., Kidambi, S., Rosenthal, D. N., Dykes, J. C., Nasirov, T., Ma, M.
2022
- **Weight Matching in Infant Heart Transplantation: A National Registry Analysis.** *The Annals of thoracic surgery*
Lee, J. Y., Kidambi, S., Zawadzki, R. S., Rosenthal, D. N., Dykes, J. C., Nasirov, T., Ma, M.
2022
- **Biomechanical Analysis of the Ross Procedure in an Ex Vivo Left Heart Simulator.** *World journal for pediatric & congenital heart surgery*
Bryan, A. Y., Brandon Strong, E., Kidambi, S., Gilligan-Steinberg, S., Bennett-Kennett, R., Lee, J. Y., Imbrie-Moore, A., Moye, S. C., Hendrickx-Rodriguez, S., Wang, H., Dauskardt, R. H., Joseph Woo, Y., Ma, et al
2022; 13 (2): 166-174
- **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

- **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
- **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
- **Unifocalization and pulmonary artery reconstruction in patients with tetralogy of Fallot and major aortopulmonary collateral arteries who underwent surgery before referral.** *The Journal of thoracic and cardiovascular surgery*
Ma, M. n., Zhang, Y. n., Wise-Faberowski, L. n., Lin, A. n., Asija, R. n., Hanley, F. L., McElhinney, D. B.
2020
- **Corrected Transposition: Anatomic Repair Using the Hemi-Mustard Atrial Baffle and Bidirectional Superior Cavopulmonary Connection.** *Seminars in thoracic and cardiovascular surgery. Pediatric cardiac surgery annual*
Ma, M. n., Mainwaring, R. D., Hanley, F. L.
2019; 22: 51–56
- **Comprehensive Management of Major Aortopulmonary Collaterals in the Repair of Tetralogy of Fallot.** *Seminars in thoracic and cardiovascular surgery. Pediatric cardiac surgery annual*
Ma, M., Mainwaring, R. D., Hanley, F. L.
2018; 21: 75–82
- **A novel inflow cannulation strategy for pediatric mechanical circulatory support in small left ventricles.** *journal of thoracic and cardiovascular surgery*
Ma, M., Yarlagadda, V. V., Rosenthal, D. N., Maeda, K.
2017
- **Avoiding Obstructive Behavior.** *The Annals of thoracic surgery*
Choi, P. S., Ma, M.
2023
- **SDF4CHD: Generative Modeling of Cardiac Anatomies with Congenital Heart Defects.** *ArXiv*
Kong, F., Stocker, S., Choi, P. S., Ma, M., Ennis, D. B., Marsden, A.
2023
- **Prenatal Diagnosis and Postnatal Management of a Fetal Pericardial Mass.** *NeoReviews*
Weigel, N., Hintz, S., Kaplinski, M., Barth, R., Balakrishnan, K., Panelli, D., Ma, M., Chitkara, R.
2023; 24 (10): e683-e689
- **"Percutaneous" technique for direct external access to and stenting of obstructed pediatric ventricular assist device inflow cannula.** *JTCVS techniques*
Taylor, A., Lee, K. J., Felmlly, L., Syed, A., Almond, C., Shuttleworth, P., Issapour, A., Babb, A., Ma, M., Martin, E.
2023; 21: 195-198
- **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
- **Comparing Apples to Apples: Exploring public reporting of congenital cardiac surgery outcomes based on common congenital heart operations.** *The Journal of thoracic and cardiovascular surgery*
Nathan, M., Gauvreau, K., White, O., Anderson, B. R., Bacha, E. A., Barron, D. J., Cleveland, J., Del Nido, P. J., Eghtesady, P., Galantowicz, M., Kennedy, A., Kohlsaas, K., Ma, et al
2023
- **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
- **An integrated program to expand donor utilization in pediatric heart transplantation: Case report of successful transplant with multiple donor risk factors.** *Pediatric transplantation*

- Torpoco Rivera, D. M., Hollander, S. A., Almond, C., Profita, E., Dykes, J. C., Raissadati, A., Lee, J., Sacks, L. D., Kleiman, Z. I., Lee, E., Rosenthal, A., Rosenthal, D. N., Nasirov, et al
2023: e14584
- **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
 - **Colocutaneous Fistula Following Pediatric Bivard Implantation, A Rare but Serious Complication**
Rangu, S., Murray, J., Shiu, A., Martin, E., Nasirov, T., Bruzoni, M., Chen, S., Rosenthal, D., Ma, M., Dykes, J.
ELSEVIER SCIENCE INC.2023: S447-S448
 - **The Intra-Operative "Gross Pathology": An Approach to Determining Heart-Only Versus Heart-Liver Transplantation in Fontan Patients**
Rivera, D., Martin, E., Ma, M., Hollander, S., Bensen, R., Ebel, N., Zhang, K., Bonham, A., Gallo, A., Esquivel, C. O., Navaratnam, M., Rosenthal, D., Chen, et al
ELSEVIER SCIENCE INC.2023: S215
 - **Racial Disparities in Pediatric Heart Transplantation: A National Registry Analysis**
Chan, K., Jacobs, N., Lee, J., Kidambi, S., Zawadzki, R., Kim, E., Dykes, J., Rosenthal, D., Ma, M.
ELSEVIER SCIENCE INC.2023: S37-S38
 - **Evaluating the Impact of Donor-Recipient Race Mismatch on Graft Survival in Infant Heart Transplantation**
So, B. J., Lee, J., Kidambi, S., Dykes, J., Rosenthal, D., Ma, M.
ELSEVIER SCIENCE INC.2023: S383
 - **Through the "Chimney": Berlin Heart Excor Pediatric Ventricular Assist Device Inflow Stenting via a Novel Direct Access to Inflow Tubing**
Taylor, A. C., Lee, K., Felmly, L. M., Issapour, A., Almond, C., Ma, M., Martin, E.
ELSEVIER SCIENCE INC.2023: S448
 - **Use of the SherpaPak Cardiac Transport System for Infant and Pediatric Donor Hearts: An Initial Experience**
Profita, E. L., Lee, E., Ma, M., Martin, E., Hollander, S., Rosenthal, D., Almond, C., Nasirov, T.
ELSEVIER SCIENCE INC.2023: S187-S188
 - **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
 - **Analysis of risk factors associated with extracorporeal membrane oxygenation after surgical repair of peripheral pulmonary artery stenoses.** *JTCVS open*
Felmly, L. M., Mainwaring, R. D., Algaze, C., Martin, E., Ma, M., Hanley, F. L.
2023; 13: 344-356
 - **Template-assisted covalent modification of DCAF16 underlies activity of BRD4 molecular glue degraders** *BioRxiv - preprint*
Li, Y., Ma, M. W., Hassan, M. M., et al
2023
 - **Single-port robotic transcervical long-segment thoracic tracheal reconstruction: Cadaveric proof-of-concept study.** *JTCVS techniques*
Lui, N. S., Holsinger, F. C., Ma, M. R., Janus, J. R., Balakrishnan, K.
2022; 16: 231-236
 - **Criteria for Early Pacemaker Implantation in Patients With Postoperative Heart Block After Congenital Heart Surgery.** *Circulation. Arrhythmia and electrophysiology*
Duong, S. Q., Shi, Y., Giacone, H., Navarre, B., Gal, D., Han, B., Sganga, D., Ma, M., Reddy, C. D., Shin, A., Kwiatkowski, D. M., Dubin, A. M., Scheinker, et al
2022: e011145
 - **Are There Still Reasons to Use Porcine Small Intestinal Submucosa?** *Journal of the American College of Cardiology*
Ma, M.
2022; 80 (11): 1069-1070
 - **Commentary: The Devil in Z Details** *SEMINARS IN THORACIC AND CARDIOVASCULAR SURGERY*

- Ma, M.
2022; 34 (3): 1010
- **Surgical repair of peripheral pulmonary artery stenosis: A 2-decade experience with 145 patients.** *The Journal of thoracic and cardiovascular surgery*
Felmly, L. M., Mainwaring, R. D., Collins, R. T., Lechich, K., Martin, E., Ma, M., Hanley, F. L.
2022
 - **Virtual Surgical Skills Training in a High School Summer Program.** *The Annals of thoracic surgery*
Bajaj, S. S., Patel, H. H., Fann, J. I., Ma, M., Lui, N. S.
2022
 - **Subcutaneous Treprostinil Improves Surgical Candidacy for Next Stage Palliation in Single Ventricle Patients With High-Risk Hemodynamics.** *Seminars in thoracic and cardiovascular surgery*
Sullivan, R. T., Handler, S. S., Feinstein, J. A., Ogawa, M., Liu, E., Ma, M., Hopper, R. K., Norris, J., Hollander, S. A., Chen, S.
2022
 - **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
 - **Commentary: Operating on fewer veins in vain.** *JTCVS open*
Ma, M.
2022; 10: 322-323
 - **Identifying Predictors of Pediatric Heart Only versus Combined Heart-Liver Transplantation.**
Zhang, K., Chen, S., Syed, A., Gallo, A., Esquivel, C., Bonham, C., Hollander, S., Ma, M., Han, J., Ebel, N.
WILEY.2022: 476-477
 - **Tetralogy of Fallot and Aortic Dissection: Implications in Management.** *JACC. Case reports*
Vaikunth, S. S., Chan, J. L., Woo, J. P., Bykhovsky, M. R., Lui, G. K., Ma, M., Romfh, A. W., Lamberti, J., Mastrodicasa, D., Fleischmann, D., Fischbein, M. P.
2022; 4 (10): 581-586
 - **Surgical Repair of Supravalvar Aortic Stenosis in Association With Transverse and Proximal Descending Aortic Abnormalities.** *World journal for pediatric & congenital heart surgery*
Mainwaring, R. D., Collins, R. T., Ma, M., Martin, E., Arunamata, A., Algaze-Yojay, C., Hanley, F. L.
2022; 13 (3): 353-360
 - **Neurologic complications in en bloc pediatric heart-liver transplants**
Pan, J., Bensen, R., Ebel, N., Mendoza, J., Ma, M., Hollander, S., Gallo, A., Esquivel, C. O., Bonham, A.
WILEY.2022
 - **Long-Term Outcomes of ECMO Post-Heart Transplant**
Iqbal, M. S., Wujcik, K. A., Nair, A., Yarlagadda, V., Ma, M. R., Hollander, S. A., Profita, E.
ELSEVIER SCIENCE INC.2022: S505-S506
 - **Pediatric VAD Growth in the US: What Factors May Be Driving Growth Jumps?**
Iqbal, M. S., Sweat, K., Dykes, J. C., Murray, J., Ma, M., Martin, E., Rosenthal, D. N., Almond, C. S.
ELSEVIER SCIENCE INC.2022: S521-S522
 - **Size Matching by Height, Body Surface Area, and Body Mass Index in Infant Heart Transplantation**
Lee, J., Kidambi, S., Rosenthal, D. N., Dykes, J. C., Ma, M.
ELSEVIER SCIENCE INC.2022: S53
 - **Towards identifying predictors of pediatric heart only versus combined heart liver transplantation**
Zhang, K., Chen, S., Syed, A., Gallo, A., Esquivel, C., Bonham, A., Hollander, S. A., Ma, M., Han, J., Ebel, N. H.
WILEY.2022
 - **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

- **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
- **Commentary: A new Fontan commandment.** *The Journal of thoracic and cardiovascular surgery*
Ma, M.
2022
- **Neurologic complications in en bloc pediatric heart-liver transplants**
Pan, J., Bensen, R., Ebel, N., Mendoza, J., Ma, M., Hollander, S., Gallo, A., Esquivel, C., Bonham, A.
WILEY.2022: 80
- **Implantable Cardioverter Defibrillators in Infants and Toddlers: Indications, Placement, Programming, and Outcomes.** *Circulation. Arrhythmia and electrophysiology*
Zahedivash, A., Hanisch, D., Dubin, A. M., Trela, A., Chubb, H., Motonaga, K., Goodyer, W., Maeda, K., Reinhartz, O., Ma, M., Martin, E., Ceresnak, S.
2022: CIRCEP121010557
- **Ultrarapid Nanopore Genome Sequencing in a Critical Care Setting.** *The New England journal of medicine*
Gorzynski, J. E., Goenka, S. D., Shafin, K., Jensen, T. D., Fisk, D. G., Grove, M. E., Spiteri, E., Pesout, T., Monlong, J., Baid, G., Bernstein, J. A., Ceresnak, S., Chang, et al
2022
- **Commentary: The hardest part of cardiothoracic surgery is getting to do it.** *The Journal of thoracic and cardiovascular surgery*
Ma, M.
1800
- **Biomechanical engineering comparison of four leaflet repair techniques for mitral regurgitation using a novel 3-dimensional-printed left heart simulator** *JTCVS TECHNIQUES*
Paulsen, M. J., Cuartas, M., Imbrie-Moore, A., Wang, H., Wilkerson, R., Farry, J., Zhu, Y., Ma, M., MacArthur, J. W., Woo, Y.
2021; 10: 244-251
- **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
- **Biomechanical engineering comparison of four leaflet repair techniques for mitral regurgitation using a novel 3-dimensional-printed left heart simulator.** *JTCVS techniques*
Paulsen, M. J., Cuartas, M. M., Imbrie-Moore, A., Wang, H., Wilkerson, R., Farry, J., Zhu, Y., Ma, M., MacArthur, J. W., Woo, Y. J.
2021; 10: 244-251
- **Commentary: Ross procedure in neonates and infants: Withstanding the litmus test of time.** *The Journal of thoracic and cardiovascular surgery*
Desai, M., Ma, M., Yerebakan, C.
2021
- **Early Functional Status After Surgery for Congenital Heart Disease: A Single-Center Retrospective 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*
Han, B., Yang, J. K., Ling, A. Y., Ma, M., Kipps, A. K., Shin, A. Y., Beshish, A. G.
2021
- **Commentary: Simplifying complex heart defects through modeling** *JTCVS TECHNIQUES*
Ma, M.
2021; 7: 203
- **Commentary: Simplifying complex heart defects through modeling.** *JTCVS techniques*
Ma, M.
2021; 7: 203
- **INTRA-OPERATIVE AUGMENTED REALITY GUIDANCE FOR COMPLEX PULMONARY ARTERY REPAIR, A STEP TOWARD PRECISION SURGERY**
Chan, F., Aguirre, S., Martin, E., Ma, M., Hanley, F.

ELSEVIER SCIENCE INC.2021: 3239

- **UNOS Match Runs for Pediatric Heart Transplant Organ Allocation-How Well Do They Sequence Patients Based on Medical Urgency?**
Sweat, K. R., Power, A., Dykes, J. C., Ma, M., Davies, R., Hollander, S. A., Profita, E., Rosenthal, D. N., Chen, C., Almond, C. S.
ELSEVIER SCIENCE INC.2021: S38
- **Waitlist Mortality for Children Listed for Heart Transplant in the United States: How are We Doing?**
Power, A., Sweat, K. R., Dykes, J. C., Ma, M., Chen, S., Schmidt, J., Kaufman, B. D., Hollander, S. A., Profita, E., Rosenthal, D. N., Chen, C., Almond, C. S.
ELSEVIER SCIENCE INC.2021: S37–S38
- **A Model to Evaluate Effect of Patient-Pump Mismatch on Thrombosis in a Pediatric Pulsatile Ventricular Assist Device**
Kidambi, S., Moye, S., Jahadi, O., Shad, R., Paul, S., Shiu, A., Ma, M.
ELSEVIER SCIENCE INC.2021: S442
- **Outcomes of Ventricular Assist Device Use in Children for Bridge to Heart Retransplantation**
Dykes, J. C., Ma, M., Murray, J., Hollander, S. A., Profita, E. L., Rosenthal, D. N., Chen, C., Almond, C. S.
ELSEVIER SCIENCE INC.2021: S89
- **Outcomes of Ventricular Assist Device Use for Bridge to Heart Transplant in Children with Single-Ventricle Heart Disease**
Murray, J., Dykes, J. C., Ma, M., Chen, S., Chen, C., Profita, E., Rosenthal, D. N., Almond, C. S.
ELSEVIER SCIENCE INC.2021: S120
- **Weight Matching in Infant Heart Transplantation: Analysis of the United Network for Organ Sharing Database**
Lee, J., Kidambi, S., Rosenthal, D., Nasirov, T., Dykes, J., Ma, M.
ELSEVIER SCIENCE INC.2021: S220
- **Evaluating Matching by Predicted Heart Mass in Adolescent Heart Transplantation: Analysis of the United Network for Organ Sharing Database**
Lee, J., Kidambi, S., Rosenthal, D., Nasirov, T., Dykes, J., Ma, M.
ELSEVIER SCIENCE INC.2021: S221
- **Atrial Cannulation in Pediatric Mechanical Circulatory Support**
Dykes, J. C., Rosenthal, D. N., Ma, M., Almond, C. S., Zafar, F., Peng, D. M., Power, A., Murray, J., Barnes, A. P., Gajarski, R. J., O'Connor, M. J., Maeda, K.
ELSEVIER SCIENCE INC.2021: S96
- **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
- **Commentary: The Devil in Z Details.** *Seminars in thoracic and cardiovascular surgery*
Ma, M.
2021
- **Compassionate Deactivation of Pediatric Ventricular Assist Devices: A Review of 14 Cases.** *Journal of pain and symptom management*
Hollander, S. A., Kaufman, B. D., Bui, C. n., Gregori, B. n., Murray, J. M., Sacks, L. n., Ryan, K. R., Ma, M. n., Rosenthal, D. N., Char, D. n.
2021
- **Recurrent fibrovascular granulation on PhotoFix® bovine pericardium causing systemic and pulmonary venous obstruction after repair of scimitar syndrome.** *Cardiology in the young*
Taylor, N. P., Long, Z. n., Arunamata, A. n., Ma, M. n.
2021: 1–2
- **Recent outcomes of the extracardiac Fontan procedure in patients with hypoplastic left heart syndrome** *ANNALS OF PEDIATRIC CARDIOLOGY*
Arunamata, A., Tacy, T. A., Kache, S., Mainwaring, R. D., Ma, M., Maeda, K., Pun, R.
2020; 13 (3): 186–93
- **Recent outcomes of the extracardiac Fontan procedure in patients with hypoplastic left heart syndrome.** *Annals of pediatric cardiology*
Arunamata, A., Tacy, T. A., Kache, S., Mainwaring, R. D., Ma, M., Maeda, K., Pun, R.
2020; 13 (3): 186-193
- **RAPID AORTIC HOMOGRAFT DEGENERATION AND VAD SUPPORT IN A NEONATE WITH SINGLE VENTRICLE HEART DISEASE**
Ahmed, H., Chen, S., Yarlagadda, V., Almond, C., Murray, J., Rosenthal, D. N., Ma, M., Dykes, J., Maeda, K.

ELSEVIER SCIENCE INC.2020: 2865

- **A novel cross-species model of Barlow's disease to biomechanically analyze repair techniques in an exvivo left heart simulator.** *The Journal of thoracic and cardiovascular surgery*
Imbrie-Moore, A. M., Paulsen, M. J., Zhu, Y., Wang, H., Lucian, H. J., Farry, J. M., MacArthur, J. W., Ma, M., Woo, Y. J.
2020
- **In Vivo Validation of Restored Chordal Biomechanics After Mitral Ring Annuloplasty in a Rare Ovine Case of Natural Chronic Functional Mitral Regurgitation.** *Journal of cardiovascular development and disease*
Wang, H. n., Paulsen, M. J., Imbrie-Moore, A. M., Tada, Y. n., Bergamasco, H. n., Baker, S. W., Shudo, Y. n., Ma, M. n., Woo, J. Y.
2020; 7 (2)
- **Angiographic Anatomy of Major Aortopulmonary Collateral Arteries and Association With Early Surgical Outcomes in Tetralogy of Fallot.** *Journal of the American Heart Association*
Adamson, G. T., McElhinney, D. B., Zhang, Y. n., Feinstein, J. A., Peng, L. F., Ma, M. n., Algaze, C. A., Hanley, F. L., Perry, S. B.
2020; e017981
- **Unilateral branch pulmonary artery origin from a solitary arterial trunk with major aortopulmonary collaterals to the contralateral lung: anatomic and developmental considerations.** *Seminars in thoracic and cardiovascular surgery*
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