



## Richard D. Mainwaring

Clinical Professor, Cardiothoracic Surgery

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Cardiothoracic Surgery Clinic**

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Stanford, CA 94305

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### Bio

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#### BIO

Richard Mainwaring, MD, has been a pediatric cardiac surgeon since 1990 and has been a faculty member at the Stanford University School of Medicine since 2003.

During Dr. Mainwaring's career as a surgeon, he has contributed to this specialized field of surgery in many realms, including clinical medicine, basic science research, and publications. Dr. Mainwaring is a member of all four professional thoracic surgical organizations, including the American Association of Thoracic Surgery, Society for Thoracic Surgeons, Western Thoracic Surgical Association, and the Southern Thoracic Surgical Association and is also a member of the American College of Surgeons and Congenital Heart Surgeons' Society.

In 2012, the congenital cardiac surgery fellowship program at Lucile Packard Children's Hospital (LPCH) received accreditation from the Accreditation Council for Graduate Medical Education (ACGME). This program is one of thirteen accredited congenital cardiac surgery training programs in the US. Dr. Mainwaring has been named the program director for this program and was recently invited to join the Thoracic Surgical Directors Association. Dr. Mainwaring teaches intra-operative management and surgical technique to the congenital cardiac surgery fellows. Our current fellow is Louis Capecci, MD.

The congenital cardiac surgery fellowship program has had seven graduates to date, including:

Ashok Muralidaran, MD (now at OHSU Healthcare, Portland, OR)

Sergio Carrillo, MD (now at Nationwide Children's, Columbus, OH)

Sameh Said, MD (now at the Mayo Clinic, Rochester, MN)

Ali Ibrahimiyeh, MD (now at Children's Hospital & Medical Center, Omaha, NE).

Michael Ma, MD (now at the Stanford School of Medicine)

Lou Capecci, MD (2021-2022, now a member of the Stanford faculty and runs the program at Kapi'olani Medical Center for Women and Children in Hawaii)

Mac Felmlly, MD (2021-2022, now a Clinical Instructor at Stanford)

## **CLINICAL FOCUS**

- Thoracic Surgery
- Cardiovascular Surgery

## **ACADEMIC APPOINTMENTS**

- Clinical Professor, Cardiothoracic Surgery
- Member, Cardiovascular Institute

## **HONORS AND AWARDS**

- George R. Daicoff award for the best congenital cardiac surgery paper and the best overall paper, Southern Thoracic Surgical Association meeting (2016)
- Food and Drug Administration Grant, Food and Drug Administration (1995)
- Intramural Research Grant, Children's Hospital (1992)
- Bigger-Lehman Award for Resident Research, Virginia Surgical Society (1985)
- Individual National Research Service Award, National Institutes of Health (1983)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, Congenital Heart Surgeons' Society (2016 - present)
- Editorial Board, World Journal of Pediatric and Congenital Heart Surgery (2014 - present)
- Member, Thoracic Surgical Directors Association (2012 - present)
- Member, Southern Thoracic Surgical Association (2002 - present)
- Member, American Association for Thoracic Surgery (1998 - present)
- Member, Western Thoracic Surgical Association (1996 - present)
- Editorial Board, Cardiology in the Young (1996 - 2006)
- Member, Society of Thoracic Surgeons (1994 - present)
- Member, American College of Surgeons, Fellow (1994 - present)
- Member, American Medical Association (1990 - present)
- Member, California Medical Association (1990 - present)
- Member, Muller Surgical Society (1988 - present)
- Member, Association of Academic Surgery (1985 - present)

## **PROFESSIONAL EDUCATION**

- Board Certification: Congenital Cardiac Surgery, American Board of Thoracic Surgery (2019)
- Fellowship: University of Pennsylvania Hospital (1990) PA
- Residency: University of Virginia Medical Center (1988) VA
- Medical Education: Duke University School of Medicine (1982) NC
- Board Certification: Thoracic Surgery, American Board of Thoracic Surgery (1992)
- Fellowship, University of Pennsylvania , Cardiothoracic Surgery, adult and pediatric
- Residency, University of Virginia , General Surgery
- MD, Duke University School of Medicine , Medicine

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

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Professional Interests: Pediatric cardiovascular surgery, surgery for adults with congenital heart disease

### CLINICAL TRIALS

- Phase 3 Triiodothyronine Supplementation for Infants After Cardiopulmonary Bypass, Recruiting

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiothoracic Surgery (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Impact of liver dysfunction on outcomes in children with Alagille syndrome undergoing congenital heart surgery.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*  
Mainwaring, R. D., Felmlly, M. L., Collins, R. T., Hanley, F. L.  
2022
- **Surgical repair of peripheral pulmonary artery stenosis: A 2-decade experience with 145 patients.** *The Journal of thoracic and cardiovascular surgery*  
Felmlly, L. M., Mainwaring, R. D., Collins, R. T., Lechich, K., Martin, E., Ma, M., Hanley, F. L.  
2022
- **The number of postoperative surgical or diagnostic procedures following congenital heart surgery correlates with both mortality and hospital length of stay.** *Journal of cardiac surgery*  
Capecci, L., Mainwaring, R. D., Collins, R. T., Sidell, D., Martin, E., Lamberti, J. J., Hanley, F. L.  
2022
- **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
- **Midterm fate of unifocalized major aortopulmonary collateral arteries in patients with retroesophageal major aortopulmonary collateral arteries.** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D., Capecci, L., Collins, R. T., Hanley, F. L.  
2021
- **To unifocalize or not to unifocalize?: A comparison of retro-esophageal versus anterior collaterals.** *The Annals of thoracic surgery*  
Mainwaring, R. D., Adamson, G., Hanley, F. L.  
2021
- **Doctor Gachet, in the kitchen, with the foxglove.** *Cardiology in the young*  
Mainwaring, R. D., Mainwaring, S.  
2020: 1–10
- **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

- **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

- **Left ventricular retraining in corrected transposition: Relationship between pressure and mass.** *The Journal of thoracic and cardiovascular surgery*

Mainwaring, R. D., Patrick, W. L., Arunamata, A., Chan, F., Newman, B., Rosenblatt, T. R., Kamra, K., Hanley, F. L.

2019

- **Measurement of Residual Collateral Flow in Pulmonary Atresia with Major Aortopulmonary Collaterals.** *The Annals of thoracic surgery*

Mainwaring, R. D., Margetson, T. D., McCarthy, P., Slesman, J., Jahadi, O., Shuttleworth, P., Sheff, D., Kollmann, S., Patrick, W. L., Hanley, F. L.

2019

- **Surgical results of unifocalization revision.** *The Journal of thoracic and cardiovascular surgery*

Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Ma, M., Kamra, K., Arunamata, A., Hanley, F. L.

2018

- **Analysis of achieving an "ideal" outcome following midline unifocalization.** *Asian cardiovascular & thoracic annals*

Mainwaring, R. D., Patrick, W. L., Rosenblatt, T. R., Nasirov, T., Kamra, K., Hanley, F. L.

2018; 218492318814079

- **Surgical algorithm and results for repair of pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

Mainwaring, R. D., Patrick, W. L., Roth, S. J., Kamra, K., Wise-Faberowski, L., Palmon, M., Hanley, F. L.

2018; 156 (3): 1194–1204

- **Repair of Ductus or Hemi-Truncus to One Lung and Major Aortopulmonary Collaterals to the Other Lung** *ANNALS OF THORACIC SURGERY*

Mainwaring, R. D., Rosenblatt, T. R., Patrick, W. L., Ma, M., Peng, L., Hanley, F. L.

2018; 106 (2): 568–74

- **An analysis of patients requiring unifocalization revision following midline unifocalization for pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals** *EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY*

Mainwaring, R. D., Patrick, W. L., Ma, M., Hanley, F. L.

2018; 54 (1): 63–70

- **An analysis of patients requiring unifocalization revision following midline unifocalization for pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals.** *European journal of cardio-thoracic surgery : official journal of the European Association for Cardio-thoracic Surgery*

Mainwaring, R. D., Patrick, W. L., Ma, M., Hanley, F. L.

2018

- **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

- **Left Ventricular Retraining and Double Switch in Patients With Congenitally Corrected Transposition of the Great Arteries.** *World journal for pediatric & congenital heart surgery*

Ibrahimiye, A. N., Mainwaring, R. D., Patrick, W. L., Downey, L., Yarlagadda, V., Hanley, F. L.

2017; 8 (2): 203-209

- **An Analysis of Left Ventricular Retraining in Patients With Dextro- and Levo-Transposition of the Great Arteries.** *The Annals of thoracic surgery*

Mainwaring, R. D., Patrick, W. L., Ibrahimiye, A. N., Watanabe, N. n., Lui, G. K., Hanley, F. L.

2017

- **Prevalence and Anatomy of Retroesophageal Major Aortopulmonary Collateral Arteries.** *Annals of thoracic surgery*

Mainwaring, R. D., Patrick, W. L., Carrillo, S. A., Ibrahimye, A. N., Muralidaran, A., Hanley, F. L.

2016; 102 (3): 877-882

- **Surgical Repair of 115 Patients With Anomalous Aortic Origin of a Coronary Artery From a Single Institution.** *World journal for pediatric & congenital heart surgery*

Mainwaring, R. D., Murphy, D. J., Rogers, I. S., Chan, F. P., Petrossian, E., Palmon, M., Hanley, F. L.

2016; 7 (3): 353-359

- **Surgical Repair of Pulmonary Atresia With Ventricular Septal Defect and Major Aortopulmonary Collaterals With Absent Intrapericardial Pulmonary Arteries** *ANNALS OF THORACIC SURGERY*  
Carrillo, S. A., Mainwaring, R. D., Patrick, W. L., Bauser-Heaton, H. D., Peng, L., Reddy, V. M., Hanley, F. L.  
2015; 100 (2): 606-614
- **Overview of Cardiopulmonary Bypass Techniques and the Incidence of Postoperative Complications in Pediatric Patients Undergoing Complex Pulmonary Artery Reconstruction.** *The journal of extra-corporeal technology*  
Margetson, T., Mainwaring, R. D., Hanley, F. L.  
2022; 54 (4): 330-337
- **Cor Triatriatum in Association With a Unique Form of Partial Anomalous Pulmonary Venous Connection.** *World journal for pediatric & congenital heart surgery*  
Capecci, L., Mainwaring, R. D., Olson, I., Hanley, F. L.  
2021: 21501351211046907
- **Commentary: Getting along?** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D.  
2021
- **Prevalence of Complications Following Unifocalization and Pulmonary Artery Reconstruction Procedures.** *World journal for pediatric & congenital heart surgery*  
Mainwaring, R. D., Patrick, W. L., Dixit, M., Rao, A., Palmon, M., Margetson, T., Lamberti, J. J., Hanley, F. L.  
2020; 11 (6): 704–11
- **Commentary: What happens next?** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D.  
2020
- **Midline unifocalization for pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries** *JOURNAL OF THORACIC DISEASE*  
Mainwaring, R. D.  
2020; 12 (3): 1263–73
- **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
- **Surgical treatment of anomalous left main coronary artery with an intraconal course.** *Congenital heart disease*  
Mainwaring, R. D., Hanley, F. L.  
2019
- **Measurement of Residual Collateral Flow in Pulmonary Atresia With Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Margetson, T. D., McCarthy, P., Sleasman, J., Jahadi, O., Shuttleworth, P., Sheff, D., Kollmann, S., Patrick, W. L., Hanley, F. L.  
2019; 108 (1): 154–59
- **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
- **THE EARTH IS ROUND!** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*  
Mainwaring, R. D., Hanley, F. L.  
2019; 157 (4): E207–E208
- **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
- **The earth is round!** *The Journal of thoracic and cardiovascular surgery*  
Mainwaring, R. D., Hanley, F. L.

2019

● **SURGICAL REPAIR OF EBSTEIN'S ANOMALY**

Rosenblatt, T., Mainwaring, R., Lui, G. K., Ma, M., Hanley, F.  
BMJ PUBLISHING GROUP.2019: 100

● **Lecompte Procedure for Relief of Severe Airway Compression in Children With Congenital Heart Disease.** *World journal for pediatric & congenital heart surgery*

Greene, C. L., Mainwaring, R. D., Sidell, D. n., Palmon, M. n., Hanley, F. L.  
2019; 10 (5): 558–64

● **Perfusion Methods and Modifications to the Cardiopulmonary Bypass Circuit for Midline Unifocalization Procedures.** *The journal of extra-corporeal technology*

Margetson, T. D., Sleasman, J. n., Kollmann, S. n., McCarthy, P. J., Jahadi, O. n., Sheff, D. n., Shuttleworth, P. n., Mainwaring, R. D., Hanley, F. L.  
2019; 51 (3): 147–52

● **Surgical Repair of Ebstein's Anomaly Utilizing A Bicuspidization Approach.** *The Annals of thoracic surgery*

Mainwaring, R. D., Rosenblatt, T. R., Lui, G. K., Ma, M. n., Hanley, F. L.  
2019

● **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

● **Impact of Phrenic Nerve Palsy and Need for Diaphragm Plication Following Surgery for Pulmonary Atresia With Ventricular Septal Defect and Major Aortopulmonary Collaterals** *SEMINARS IN THORACIC AND CARDIOVASCULAR SURGERY*

Greene, C. L., Mainwaring, R. D., Sidell, D., Yarlagaadda, V. V., Patrick, W. L., Hanley, F. L.  
2018; 30 (3): 318–24

● **Repair of Ductus or Hemi-Truncus to One Lung and Major Aortopulmonary Collaterals to the Other Lung.** *The Annals of thoracic surgery*

Mainwaring, R. D., Rosenblatt, T. R., Patrick, W. L., Ma, M., Peng, L., Hanley, F. L.  
2018

● **Impact of Phrenic Nerve Palsy and Need for Diaphragm Plication Following Surgery for Pulmonary Atresia With Ventricular Septal Defect and Major Aortopulmonary Collaterals.** *Seminars in thoracic and cardiovascular surgery*

Greene, C. L., Mainwaring, R. D., Sidell, D., Yarlagaadda, V. V., Patrick, W. L., Hanley, F. L.  
2018

● **Anesthetic Management During Surgery for Tetralogy of Fallot With Pulmonary Atresia and Major Aortopulmonary Collateral Arteries** *WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY*

Quinonez, Z. A., Downey, L., Abbasi, R. K., Kuan, C., Asija, R., McElhinney, D. B., Hanley, F. L., Mainwaring, R. D., Wise-Faberowski, L.  
2018; 9 (2): 236–41

● **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

● **"Cui periculum"-Who is at risk?** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*

Mainwaring, R. D.  
2018; 155 (1): 322–24

● **"Cui periculum"-Who is at risk?** *The Journal of thoracic and cardiovascular surgery*

Mainwaring, R. D.  
2018; 155 (1): 322-324

● **Surgical Techniques for Repair of Peripheral Pulmonary Artery Stenosis.** *Seminars in thoracic and cardiovascular surgery*

Mainwaring, R. D., Hanley, F. L.  
2017; 29 (2): 198–205

- **Surgical Technique for Repair of Peripheral Pulmonary Artery Stenosis and Other Complex Peripheral Reconstructions** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Ibrahimiyeh, A. N., Hanley, F. L.  
2016; 102 (2): E181-E183
- **Surgical Techniques for Repair of Peripheral Pulmonary Artery Stenosis.** *Seminars in thoracic and cardiovascular surgery*  
Mainwaring, R. D., Hanley, F. L.  
2016; 28 (2): 418-424
- **Pulmonary Valve Repair for Patients With Acquired Pulmonary Valve Insufficiency** *ANNALS OF THORACIC SURGERY*  
Said, S. M., Mainwaring, R. D., Ma, M., Tacy, T. A., Hanley, F. L.  
2016; 101 (6): 2294-2301
- **Reply.** *Annals of thoracic surgery*  
Mainwaring, R. D., Carrillo, S. A.  
2016; 101 (4): 1635-?
- **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
- **Anatomic Factors Associated With Truncal Valve Insufficiency and the Need for Truncal Valve Repair.** *World journal for pediatric & congenital heart surgery*  
Patrick, W. L., Mainwaring, R. D., Carrillo, S. A., Ma, M., Reinhartz, O., Petrossian, E., Selamet Tierney, E. S., Reddy, V. M., Hanley, F. L.  
2016; 7 (1): 9-15
- **Tetralogy of Fallot Repair: How I Teach It.** *The Annals of thoracic surgery*  
Mainwaring, R. D., Hanley, F. L.  
2016; 102 (6): 1776-81
- **Elevated pretransplant pulmonary vascular resistance index does not predict mortality after isolated orthotopic heart transplantation in children: A retrospective analysis of the UNOS database** *PEDIATRIC TRANSPLANTATION*  
Chiu, P., Schaffer, J. M., Sheikh, A. Y., Ha, R., Reinhartz, O., Mainwaring, R., Reitz, B. A.  
2015; 19 (6): 623-633
- **Left Ventricular Retraining and Late Arterial Switch for D-Transposition of the Great Arteries.** *Annals of thoracic surgery*  
Watanabe, N., Mainwaring, R. D., Carrillo, S. A., Lui, G. K., Reddy, V. M., Hanley, F. L.  
2015; 99 (5): 1655-1661
- **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
- **Contemporaneous comparison of the Yasui and Norwood procedures at a single institution.** *journal of thoracic and cardiovascular surgery*  
Carrillo, S. A., Mainwaring, R. D., Schaffer, J. M., Wright, G., Maeda, K., Hanley, F. L., Reddy, V. M.  
2015; 149 (2): 508-513
- **Repair of anomalous aortic origin of a coronary artery in 113 patients: a Congenital Heart Surgeons' Society report.** *World journal for pediatric & congenital heart surgery*  
Poynter, J. A., Bondarenko, I., Austin, E. H., DeCampli, W. M., Jacobs, J. P., Ziemer, G., Kirshbom, P. M., Tchervenkov, C. I., Karamlou, T., Blackstone, E. H., Walters, H. L., Gaynor, J. W., Mery, et al  
2014; 5 (4): 507-14
- **Surgical repair of anomalous aortic origin of a coronary artery†.** *European journal of cardio-thoracic surgery*  
Mainwaring, R. D., Reddy, V. M., Reinhartz, O., Petrossian, E., Punn, R., Hanley, F. L.  
2014; 46 (1): 20-26
- **Completion of the Three-Stage Fontan Pathway Without Cardiopulmonary Bypass.** *World journal for pediatric & congenital heart surgery*  
Mainwaring, R. D., Reddy, V. M., Hanley, F. L.

2014; 5 (3): 427-433

- **Early complete repair of pulmonary atresia with ventricular septal defect and major aortopulmonary collaterals.** *Annals of thoracic surgery*  
Watanabe, N., Mainwaring, R. D., Reddy, V. M., Palmon, M., Hanley, F. L.  
2014; 97 (3): 909-915
- **Anomalous aortic origin of a coronary artery: a report from the Congenital Heart Surgeons Society Registry.** *World journal for pediatric & congenital heart surgery*  
Poynter, J. A., Williams, W. G., McIntyre, S., Brothers, J. A., Jacobs, M. L.  
2014; 5 (1): 22-30
- **Three-Stage Fontan Without Cardiopulmonary Bypass**  
Mainwaring, R. D., Reddy, V. M., Hanley, F. L.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Innominate artery cannulation and antegrade cerebral perfusion for aortic arch reconstruction in infants and children.** *World journal for pediatric & congenital heart surgery*  
Nasirov, T., Mainwaring, R. D., Reddy, V. M., Sleasman, J., Margetson, T., Hanley, F. L.  
2013; 4 (4): 356-361
- **Aortic valve disease in pulmonary atresia and major aortopulmonary collaterals.** *Annals of thoracic surgery*  
Mainwaring, R. D., Dimeling, G., Pun, R., Hanley, F. L.  
2013; 95 (6): 2122-2125
- **Surgical Reconstruction of Pulmonary Stenosis With Ventricular Septal Defect and Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Pun, R., Reddy, V. M., Hanley, F. L.  
2013; 95 (4): 1417-1421
- **Hemodynamic Assessment After Complete Repair of Pulmonary Atresia With Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Reddy, V. M., Peng, L., Kuan, C., Palmon, M., Hanley, F. L.  
2013; 95 (4): 1397-1402
- **INCIDENCE OF CORONARY ARTERY ANOMALIES IN PULMONARY ATRESIA WITH MAJOR AORTOPULMONARY COLLATERALS**  
Muralidaran, A., Mainwaring, R., Reddy, V., Hanley, F.  
ELSEVIER SCIENCE INC.2013: E471
- **Surgical reconstruction of peripheral pulmonary artery stenosis in Williams and Alagille syndromes** *38th Annual Meeting of the Western-Thoracic-Surgical-Association*  
Monge, M. C., Mainwaring, R. D., Sheikh, A. Y., Pun, R., Reddy, V. M., Hanley, F. L.  
MOSBY-ELSEVIER.2013: 476-81
- **Prevalence of Anomalous Coronary Arteries in Pulmonary Atresia with Ventricular Septal Defect and Major Aortopulmonary Collaterals.** *Journal of the American College of Cardiology*  
Muralidaran, A. n., Mainwaring, R. D., Reddy, V. M., Hanley, F. L.  
2013
- **Double Switch With Hemi-Mustard and Bidirectional Glenn Procedure for “Anatomical” Repair of Corrected Transposition** *Operative Techniques in Thoracic and Cardiovascular Surgery*  
Mainwaring, R. D., Hanley, F. L.  
2013; 18 (3): 171-189
- **Late Outcomes in Patients Undergoing Aortopulmonary Window for Pulmonary Atresia/Stenosis and Major Aortopulmonary Collaterals** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Reddy, V. M., Perry, S. B., Peng, L., Hanley, F. L.  
2012; 94 (3): 842-849
- **Surgical outcomes for patients with pulmonary atresia/major aortopulmonary collaterals and Alagille syndrome** *25th Annual Meeting of the European-Association-for-Cardio-Thoracic-Surgery (EACTS)*  
Mainwaring, R. D., Sheikh, A. Y., Pun, R., Reddy, V. M., Hanley, F. L.  
OXFORD UNIV PRESS INC.2012: 235-41



- **Surgical Reconstruction of Tracheal Stenosis in Conjunction With Congenital Heart Defects** *Basic Science Forum of the 58th Annual Meeting of the Southern-Thoracic-Surgical-Association*  
Mainwaring, R. D., Shillingford, M., Davies, R., Koltai, P., Navaratnam, M., Reddy, V. M., Hanley, F. L.  
ELSEVIER SCIENCE INC.2012: 1266–73
- **Late Repair of the Native Pulmonary Valve in Patients With Pulmonary Insufficiency After Surgery for Tetralogy of Fallot** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Pirolli, T., Punn, R., Hanley, F. L.  
2012; 93 (2): 677-679
- **Anomalous Aortic Origin of a Coronary Artery: Medium-Term Results After Surgical Repair in 50 Patients** *ANNALS OF THORACIC SURGERY*  
Mainwaring, R. D., Reddy, V. M., Reinhartz, O., Petrossian, E., Macdonald, M., Nasirov, T., Miyake, C. Y., Hanley, F. L.  
2011; 92 (2): 691-697
- **Congenital Anomalies of the Mitral Valve.** *In: Mavroudis C, and Backer CL, Eds. Pediatric Cardiac Surgery Fourth Edition, Wiley-Blackwell, Inc.*  
Mainwaring RD, and Lamberti JJ.  
2011
- **Surgical Results and Follow-up in Patients with Pulmonary Atresia and Multiple Aortopulmonary Collaterals in Association with Total Anomalous Pulmonary Venous Connection.** *Ann Thorac Surg*  
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