

CURRICULUM VITAE

Michael Edward Mitchell MD

**Chief, Professor
Department of Surgery
Division of Pediatric Cardiothoracic Surgery
Medical College of Wisconsin
Director of Regional Surgical Services
Section Chief of Cardiothoracic Surgery
Children's Hospital of Wisconsin**

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EDUCATION:

09/01/1986 - 06/01/1990 A.B. (Chemistry), Princeton University, Princeton, NJ
09/01/1990 - 06/01/1995 M.D., Harvard Medical School, Boston, MA
10/08/2017 - 10/20/2017 Leadership Development for Physicians in Academic Health Centers, Harvard T.H. Chan School of Public Health, Boston, MA

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/1995 - 06/30/1998 Intern and Junior Resident, Surgery, General Surgery, Brigham & Women's Hospital, 75 Francis St, Boston, MA 02446
07/01/1998 - 06/30/2000 Senior Resident, Surgery, General Surgery, Brigham & Women's Hospital, 75 Francis St, Boston, MA 02446
07/01/2000 - 06/30/2001 Chief Resident, Surgery, General Surgery, Brigham Women's Hospital, 75 Francis St, Boston, MA 02446
07/01/2001 - 06/30/2002 Resident, Surgery, Cardiothoracic Surgery, Brigham Women's Hospital, 75 Francis St, Boston, MA 02446
07/01/2002 - 06/30/2003 Chief Resident, Surgery, Cardiothoracic Surgery, Brigham & Women's Hospital, 75 Francis St, Boston, MA 02446
01/01/2003 - 06/30/2003 Chief Resident, Surgery, Pediatric Cardiac Surgery, Boston Children's Hospital, 300 Longwood Ave, Boston, MA 01225
07/01/2003 - 06/30/2004 Fellow, Cardiothoracic Surgery, Pediatrics, Children's Hospital of Philadelphia, 324 S 34th St, #5NW26, Philadelphia, PA 19104

FACULTY APPOINTMENTS:

2004 - 2006 Assistant Professor, Surgery, Cardiothoracic Surgery, University of Louisville, 2301 S 3rd St, Louisville, KY 40292
2006 - 2009 Assistant Professor, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
2008 - Present Adjunct Professor, Electrical Engineering & Computer Science, Perfusion Program, Milwaukee School of Engineering, 1025 N Broadway, Milwaukee, WI 53202
2009 - 2014 Associate Professor, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
2014 - Present Professor, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

- 2015 - Present Section Chief, Pediatrics, Cardiothoracic Surgery, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2015 - 2016 Division Chief of Pediatric Cardiothoracic Surgery (Interim), Surgery, Cardiothoracic Surgery, Children's Hospital of Wisconsin/Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2015 - Present Fellowship Program Director (Pediatric Cardiothoracic Surgery), Surgery, Cardiothoracic Surgery, Children's Hospital of Wisconsin/Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2016 - Present Director, Adult Congenital Heart Surgery, Surgery, Cardiothoracic Surgery, Children's Hospital/Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2016 - Present Director, Regional Surgical Services, Surgery, Cardiothoracic Surgery, Children's Hospital of Wisconsin/Medical College of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2016 - Present Director, Pediatric Cardiothoracic Surgery, Joint Regional Program, Congenital Heart Surgery, Ministry Saint Joseph's [Marshfield] Hospital, 611 N Saint Joseph Ave, Marshfield, WI 54449

ADMINISTRATIVE APPOINTMENTS:

- 2006 - Present Professor, Human & Molecular Genetics Center, Physiology, Medical College of Wisconsin, Milwaukee, WI
- 2008 - Present Professor, Collaborating Faculty, Center for Biotechnology and Bioengineering, Medical College of Wisconsin, Milwaukee, WI
- 2010 - 2013 Associate Director, Advisory Board, Children's Research Institute, Children's Hospital of Wisconsin, Milwaukee, WI
- 2012 - Present Affiliated Faculty, Cardiovascular Research Center, Medical College of Wisconsin, Milwaukee, WI

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

- 2006 - Present Advisory Committee, Pediatric Cardiology Fellow - Research, Surgery, Pediatric Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI
- 2006 - Present Teaching Medical Residents in Pediatric Critical Care, Critical Care, Pediatrics, Marshfield Hospital, Marshfield, WI
- 2006 - Present Course Director, Pediatric Cardiothoracic Surgical Rotation, Surgery, Pediatric Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI
- 2006 - Present ACGME Accredited Residency Pediatric Cardiothoracic Surgical Training Program, Surgery, Pediatric Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI
- 2006 - Present Teaching Surgical Residents in Pediatric Cardiac and Thoracic Procedures, Surgery, Pediatric Cardiothoracic Surgery, Marshfield Hospital, Marshfield, WI
- 2006 - Present Course Director, Integrative Selective for 4th Year Medical Students, Surgery, Pediatric Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI
- 2015 - Present Program Director, ACGME Fellowship in Pediatric Cardiothoracic Surgery, Surgery, Pediatric Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

- 2004 - 2006 Cardiovascular Care Committee, Kosair Children's Hospital, 231 E Chestnut St, Louisville, KY 40202
- 2004 - 2006 Director, Norwood Team, Kosair Children's Hospital, 231 E Chestnut St, Louisville, KY 40202
- 2005 - 2006 Adult Congenital Program Development Committee, Norton Children's Hospital, 231 E Chestnut St, Louisville, KY 40202
- 2007 - Present Director, Tracheal Reconstructive Team, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2007 - 2009 Co-Chair, Children's Specialty Group, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2008 - Present Member, DiGeorge Program Planning Committee, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2008 - 2009 Member, Children's Specialty Group Planning Committee, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2008 - 2009 Member, Children's Specialty Group Board, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

- 2008 - Present Member, Immunodeficiency Subcommittee, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2008 - 2009 Member, Cardiac Clinical Practice Committee, Children's Hospital of Wisconsin, 9000 W Wisconsin Avenue, Milwaukee, WI 53226
- 2015 - 2016 Interim Medical Director, Pediatric Cardiovascular Surgery, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2016 - Present Board Member, Children's Specialty Group, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226

RESEARCH ADMINISTRATIVE APPOINTMENTS:

- 2006 - Present Professor, Genomic Sciences and Precision Medicine Center, Medical College of Wisconsin, 8701 W Watertown Plank Road, Milwaukee, WI 53226
- 2008 - Present Professor, Collaborating Faculty, Center for Biotechnology and Bioengineering, Medical College of Wisconsin, 8701 W Watertown Plank Rd, Milwaukee, WI 53226
- 2010 - 2013 Associate Director, Advisory Board, Children's Research Institute, Children's Hospital of Wisconsin, 8701 W Watertown Plank Road, Milwaukee, WI 53226
- 2012 - Present Affiliated Faculty, Cardiovascular Research Center, Medical College of Wisconsin, 8701 W Watertown Plank Road, Milwaukee, WI 53226

HOSPITAL STAFF PRIVILEGES:

- 2004 - 2006 Attending Staff, Surgery, Cardiothoracic Surgery, Kosair Children's Hospital, 231 E Chestnut St, Louisville, KY 40202
- 2004 - 2006 Attending Staff, Surgery, Cardiothoracic Surgery, KentuckyOne Health Jewish Hospital, 200 Abraham Flexner Way, Louisville, KY 40202
- 2004 - 2006 Attending Staff, Surgery, Cardiothoracic Surgery, Baptist Hospital East, 4001 Kresge Way, Louisville, KY 40207
- 2004 - 2006 Attending Staff, Surgery, Cardiothoracic Surgery, University of Louisville Hospital, 530 S Jackson St, Louisville, KY 40202
- 2006 - 2012 Courtesy Staff, Surgery, Cardiothoracic Surgery, Waukesha Memorial Hospital - ProHealth Care, 725 American Way, Waukesha, WI 53188
- 2006 - Present Provisional Staff, Surgery, Cardiothoracic Surgery, Columbia St. Mary's Hospital, 2301 N Lake Dr, Milwaukee, WI 53211
- 2006 - Present Associate Attending Staff, Surgery, Cardiothoracic Surgery, Froedtert Memorial Lutheran Hospital, 9200 W Wisconsin Ave, Milwaukee, WI 53226
- 2006 - Present Consulting Staff, Surgery, Cardiothoracic Surgery, Wheaton Franciscan - St. Joseph's Hospital, 5000 W Chambers St, Milwaukee, WI 53210
- 2006 - Present Active Staff, Surgery, Cardiothoracic Surgery, Children's Hospital of Wisconsin, 9000 W Wisconsin Ave, Milwaukee, WI 53226
- 2006 - Present Courtesy Staff, Surgery, Cardiothoracic Surgery, Marshfield Medical Center/Marshfield Hospital, 611 N Saint Joseph Ave, Marshfield, WI 54449
- 2006 - Present Courtesy Staff, Surgery, Cardiothoracic Surgery, Aurora Sinai Medical Center, 945 N 12th St, Milwaukee, WI 53233
- 2014 - 2015 Consulting Staff, Surgery, Cardiovascular Surgery, Mayo Clinic/Hospital, 200 First Street SW, Rochester, MN 55905
- 2015 - 2016 Courtesy Staff, Pediatrics, Cardiovascular Surgery, University of Minnesota Medical Center, 500 Harvard St, Minneapolis, MN 55455

AWARDS AND HONORS:

- 1986 - 1990 Varsity (Lightweight) Crew Team, Princeton University
- 1990 Bayard W. Reed 1926 Varsity (Lightweight) Award, Princeton University
- 1990 Outstanding Undergraduate Thesis, Princeton University
- 1990 Sigma XI Honor Society (and Membership), Princeton University
- 1991 - 1992 Student Research Grant, Harvard Medical School
- 1992 - 1993 Pre-Doctoral Research Fellowship, Howard Hughes Medical Institute
- 1993 - 1994 Student Research Grant, Harvard Medical School
- 1996 Excellence in Teaching - PGY 1, Harvard Medical School/Brigham and Women's Hospital
- 1999 MIT \$50K Business Plan Competition (Semi-Finalist/Biomedical Devices), Massachusetts Institute of

Technology (Sloan School)
1999 Excellence in Teaching - PGY 3, Harvard Medical School/Brigham and Women's Hospital
2001 16th Annual Ross Resident's and Fellows Research Conference (Top 20 papers), Society for Surgery of the Alimentary Tract
2003 14 Hot Startups (Fossa Medical, Inc.), Fortune Small Business Magazine
2005 65 Million Thank Yous - Recipient of Philanthropy (\$285,000 donation Beckman Coulter, Inc.), University of Louisville
2008 The Next Generation (Prenatal diagnostic test for fetal chromosomal abnormalities - Jan 2009), Milwaukee Magazine
2013 - Present Top Rated Doctors - Congenital Cardiac Surgery, Milwaukee Magazine
2014 Advancements in Health Care/Health Care Heros, BizTimes
2015 Eureka, Milwaukee Business Journal
09/14/2021 - Present Health Care Champions Surgical Treatment of Tracheal Agenesis, Milwaukee Business Journal

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

1990 - Present Sigma XI, The Scientific Research Society
1995 - Present American Medical Association
2000 - Present American College of Surgeons
2000 - Present American Association for the Advancement of Science
2003 - Present Castaneda Society for Congenital Heart Surgery
2003 - Present Society of Thoracic Surgeons
2006 - Present American College of Cardiology
2006 - Present American Academy of Pediatrics
2007 - Present Society of Transplant Surgeons
2007 - Present Wisconsin Surgical Society
2007 - Present World Society of Pediatric and Congenital Heart Surgery
2007 - Present International Society for Heart and Lung Transplantation
2010 - Present Southern Thoracic Surgical Association
2010 - Present Midwest Pediatric Cardiology Society
2010 - Present Congenital Heart Surgeons' Society
2011 - Present Association for Academic Surgery
2011 - Present International Fetal Medicine and Surgery Society
2012 - Present Society of University of Surgeons
2013 - Present American College of Surgeons
2014 - Present Eastern Cardiothoracic Surgical Society
2016 - Present American Surgical Association

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Journal Review
2004 - Present Journal of the American College of Surgeons
2005 - Present Annuals of Thoracic Surgery
2005 - Present Journal of Thoracic and Cardiovascular Surgery
2005 - Present Operative Techniques in Thoracic & Cardiovascular Surgery
2006 - Present Journal of American College of Cardiology
2006 - Present ASAIO Journal
2007 - Present Fetal Diagnosis & Therapy
2007 - Present Seminars in Thoracic & Cardiovascular Surgery
2008 - Present Thoracic Surgery Clinics
2009 - Present Journal of American Medical Association
2010 - Present World Journal Pediatric & Congenital Heart Surgery
2011 - Present Pediatric Cardiology
2012 - Present Circulation
2013 - Present Science
2014 - Present Journal of Cardiology in the Young
2014 - Present Congenital Heart Disease

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 2008 - Present Committee Member, DiGeorge Syndrome (DGS1) Working Group, DiGeorge Syndrome Immune Deficiency Foundation
- 2008 - 2013 Committee Member, State Wide Umbrella Immunodeficiency Newborn Screening Subcommittee, State of Wisconsin

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 2007 - 12/31/2019 Committee Member, Pediatric Mechanical Support Device, National Institutes of Health
- 2010 - Present Board Member, Region 7 Heart Review, United Network for Organ Sharing
- 04/01/2012 - 04/01/2013 Program Committee, 13th Annual Scientific Session, American College of Cardiology
- 2012 - 2013 CL Reviewer, Cardiovascular Development, American Heart Association
- 2012 - Present Committee Member, Standards & Ethics, Congenital Heart Surgeons' Society
- 04/01/2013 - 12/31/2019 Chairperson, Congenital Program Committee, American College of Cardiology
- 04/01/2013 - 04/01/2014 Program Committee, 14th Annual Scientific Session, American College of Cardiology
- 04/01/2014 - 04/01/2015 Chair/Organizer, 15th Annual Scientific Session, American College of Cardiology
- 06/01/2014 - 12/31/2019 Member and Scientist Reviewer, Congenital Heart Disease (Pre-CHD) 2014 Peer Medical Research Program (PRMRP) ; Congressionally Directed Medical Research Programs (CDMRP), US Department of Defense
- 08/01/2014 - 12/31/2019 Member & Scientist Reviewer, 2014 Discovery Award Panel for Congressionally Directed Medical Research Program on Congenital Heart Disease, US Department of Defense
- 04/02/2015 - 04/04/2016 Co-Chair/Organizer, 16th Annual Scientific Session, American College of Cardiology
- 08/31/2015 - 12/31/2019 Medical Devices Advisory Committee, Center for Devices and Radiological Health, FDA
- 11/2015 - Present Committee Member, Congenital Cardiac Surgery Fellowship, TSDA
- 04/01/2016 - 05/03/2017 Chair, Congenital Heart Disease Course, American Association for Thoracic Surgery/Society Thoracic Surgeons
- 05/01/2016 - Present Leadership Counsel, Surgeons Section, American College of Cardiology
- 10/2016 - 12/31/2019 Invited Reviewer, National Heart, Lung and Blood Institute Clinical Trial Pilot Study R34, National Institutes of Health
- 2016 - Present Committee Member, Resource & Development, Congenital Heart Surgeons' Society
- 2016 - Present Committee Member, Standards & Ethics, Congenital Heart Surgeons' Society
- 05/01/2017 - 05/02/2018 Course Chair, Congenital Heart Disease Symposium, American Association for Thoracic Surgery/Society Thoracic Surgeons
- 07/2018 - 12/31/2019 Invited Reviewer, Anatomic and Physiological Surgical Planning in Single Ventricle Patients Utilizing 3D Printing, National Institutes of Health; National Heart, Lung and Blood Institute
- 08/2018 - 12/31/2019 Invited Reviewer, Special Emphasis Panel [Opportunities for Collaborative Research at the NIH Clinical Center], National Institutes of Health; National Heart, Lung and Blood Institute
- 02/2019 - Present Invited Reviewer, Bioengineering, Technology, and Surgical Sciences (BTSS), Biomedical Imaging and Bioengineering IRG, Center for Scientific Review, Invited Reviewer, National Institutes of Health

COMMITTEE SERVICE:**Medical College of Wisconsin**

- 2007 - Present Director, Tracheal Reconstruction Team, Cardiothoracic Surgery, Surgery, Medical College of Wisconsin/Children's Hospital of Wisconsin
- 2008 - Present Member, DiGeorge Program Planning Committee, Medical College of Wisconsin
- 2008 - Present Member, Immunodeficiency Subcommittee, Medical College of Wisconsin
- 2011 - Present Member, Cardiovascular Scientific Advisory Board, Cardiothoracic Surgery, Surgery, Medical College of Wisconsin

Hospital

- 2007 - 2010 Co-Chair, Quality Committee, Children's Specialty Group, Children's Hospital of Wisconsin
- 2016 - Present Member, Board of Directors, Children's Specialty Group, Children's Hospital of Wisconsin
- 2017 - Present Member, Finance Committee, Children's Specialty Group, Children's Hospital of Wisconsin

MCW TEACHING ACTIVITIES:**Medical Student Education**

- 2006 - Present Course Director, Pediatric Cardiothoracic Surgery Integrative Selective for Fourth Year Medical Students
- 2006 - Present Course Director, Pediatric Cardiothoracic Surgery Surgical Rotation

Resident and Fellow Education

- 2006 - Present Advisory Committee to Pediatric Cardiology Fellow Research
- 2006 - Present ACGME Accredited Residency Pediatric Cardiothoracic Surgical Training Program
- 2015 - Present Program Director, ACGME Fellowship in Pediatric Cardiothoracic Surgery

EXTRAMURAL TEACHING:**Resident and Fellow Education**

- 2006 - Present Marshfield Medical Center, Outreach/Teach Surgical Residents in Pediatric Cardiac & Thoracic Procedures
- 2006 - Present Marshfield Medical Center, Outreach/Teach Medical Residents in Pediatric Critical Care

COMMUNITY SERVICE ACTIVITIES:

- 2006 - Present Outreach congenital heart surgery; Marshfield Clinics, Marshfield, WI
- 2006 - Present Outreach neonatal PDA ligations; St. Joseph's Hospital, Columbia St. Mary's Hospital, Mount Sinai Hospital; Milwaukee, WI

BIBLIOGRAPHY**Refereed Journal Publications/Original Papers**

1. Byrne JG, Mitchell ME, Adams DH, Couper GS, Aranki SF, Cohn LH. Minimally Invasive Direct Access Mitral Valve Surgery. *Seminars in Thoracic and Cardiovascular Surgery*. 1999 Jul;11(3):121-222. PMID 10451252.
2. Byrne JG, Adams DH, Mitchell ME, Cohn LH. Minimally-Invasive Direct Access for Repair of Atrial Septal Defect in Adults. *American Journal of Cardiology*. 1999 Oct15;84(8):919-922. PMID 10532551.
3. Greelish JP, Cohn LH, Leacche M, Mitchell ME, Byrne J, Arank SF, Couper GS. Minimally-Invasive Mitral Valve Repair Suggest Earlier Operations for Mitral Valve Disease. *The Journal of Thoracic and Cardiovascular Surgery*. 2003; 126:365-373. PMID 12928632.
4. Mitchell ME, Radially Expanding Ureteral Stent: A New Device for Ureteral Stone Extraction, Results in a Porcine Model. *Journal for Endourology*, Vol. 17, Sup. 1, Sep 2003, p. A-29.
5. Dominguez TE, Mitchell ME, Freiss SH, Huh JW, Manno CS, Ravishankar C, Gaynor JW, Tabbutt S. The Use of Recombinant Factor VIIa for Refractory Hemorrhage During Extracorporeal Membrane Oxygenation. *Pediatric Critical Care Medicine*. 2005 May; 6(3):348-351. PMID 15857537.
6. Kavarana MN, Pagni S, Sobczyk WC, Recto M, Yeh T, Mitchell ME, Austin EH. Seven year Clinical Experience with the Extracardiac Pedicled Pericardial Fontan Operation. *Ann Thorac Surg*. 2005 Jul 80(1):37-43; Discussion 43. PMID 15975336.
7. Sander TL, Klinkner DB, Tomita-Mitchell A, Mitchell ME. Molecular and cellular basis of congenital heart disease. *Pediatr Clin North Am*. 2006 Oct;53(5):989-1009, x. PMID 17027620.
8. Mitchell ME, Ittenbach RF, Gaynor JW, Wernovsky G, Nicolson S, Spray TL. Intermediate Outcomes after the Fontan Procedure in the Current Era. *J Thorac Cardiovasc Surg*. 2006 Jan;131(1)172-80. PMID 16399309.
9. Das BB, Recto M, Johnsrude C, Klein L, Orman K, Shoemaker L, Mitchell ME, Austin EH. Cardiac transplantation for pediatric giant cell myocarditis. *J Heart Lung Transplant*. 2006 Apr;25(4):474-8. Epub 2006 Feb 8. PMID 16563980.
10. Ghanayem NS, Mitchell ME, Tweddell JS, Hoffman GM. Monitoring the Brain Before, During, and after Cardiac Surgery to Improve Long-Term Neurodevelopmental Outcomes. *Cardiol Young*. 2006 Sep;16 Suppl 3:103-9. PMID 17378048.

11. Mitchell ME, Litwin SB, Tweddell JS. Complex Atrioventricular Canal. *Semin Thoracic Cardiovasc Surg Pediatr Card Surg Annu.* 2007;32-41. PMID 17433989.
12. Litwin SB, Tweddell JS, Mitchell ME, Mussatto KA. The Double Patch Repair for Complete Atrioventricularis Communis. *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu.* 2007;21-7. PMID 17433987.
13. Giridharan GA, Koenig SC, Mitchell ME, Gartner M, Pantalos GM. A Computer Model of the Pediatric Circulatory System for Testing Pediatric Assist Devices. *ASAIO J.* 2007 Jan-Feb;53(1):74-81. PMID 17237652.
14. Pantalos GM, Giridharan G, Colyer J, Mitchell ME, Speakman J, Lucci C, Johnson G, Gartner M, Koenig SC. Effect of Continuous and Pulsatile Flow Left Ventricular Assist on Pulsatility in a Pediatric Animal Model of Left Ventricular Dysfunction: Pilot Observations. *ASAIO J.* 2007 May-Jun;53(3):385-91. PMID 17515734.
15. Mitchell ME, Sander TL, Klinker DB, Tomita-Mitchell, A. The Molecular Basis of Congenital Heart Disease. *Semin Thorac Cardiovasc Surg.* 2007 Fall;19(3):228-37. PMID 17983950.
16. Tweddell JS, Ghanayem NS, Mussatto KA, Mitchell ME, Lamers LJ, Musa NL, Berger S, Litwin SB, Hoffman GM. Mixed Venous Oxygen Saturation Monitoring Following Stage 1 Palliation for Hypoplastic Left Heart Syndrome. *Ann Thorac Surg.* 2007 Oct;84(4):1301-10; discussion 1310-1. PMID 17888987.
17. Das BB, Recto M, Shoemaker L, Mitchell ME, Austin EH. Midaortic Syndrome Presenting as Neonatal Hypertension. *Pediatr Cardiol.* 2008 Sep;29(5):1000-1. PMID 18060446.
18. Johnson BA, Hoffman GM, Tweddell JS, Cava JR, Basir M, Mitchell ME, Scanlon MC, Mussatto KA, Ghanayem NS. Near-infrared spectroscopy in neonates before palliation of hypoplastic left heart syndrome. *Ann Thorac Surg.* 2009 Feb;87(2):571-7; discussion 577-9. doi: 10.1016/j.athoracsur.2008.10.043. PMID 1916781.
19. Draus JM, Hauck MA, Austin EH III, Goetsch M, Tomita-Mitchell A, Mitchell ME. Investigation of Somatic NKX2-5 Mutations in Congenital Heart Disease. 2009 Feb;46(2):115-22. doi: 10.1136/jmg.2008.060277. PMID 19181906.
20. Mitchell ME. Invited commentary. *Ann Thorac Surg.* 2009 Jul;88(1):176. doi: 10.1016/j.athoracsur.2009.05.061. PMID 19559220.
21. Gostjeva EV, Koledova V, Tomita-Mitchell A, Mitchell M, Goetsch M, Varmuza S, Fomina J, Darroudi, F and Thilly Wm. Metakaryotic Stem Cell Lineages in Organogenesis of Humans and other Metazoans. *Organogenesis.* 2009 Oct;5(4):191-200. PMID 20539738.
22. Tweddell JS, Nersesian M, Mussatto KA, Nugent M, Simpson P, Mitchell ME, Ghanayem NS, Pelech AN, Marla R, Hoffman GM. Fontan Palliation in the Modern Era: Factors Impacting Mortality and morbidity. *Ann Thorac Surg.* 2009 Oct;88(4):1291-9. doi: 10.1016/j.athoracsur.2009.05.076. PMID 19766824.
23. Siehr S, Stuth E, Tweddell J, Hoffman G, Troshynski T, Jones D, Mitchell ME, Ghanayem N. Hypersensitivity reactions to aprotinin re-exposure in paediatric surgery. *Eur J Cardiothorac Surg.* 2010 Feb;37(2):307-11. doi: 10.1016/j.ejcts.2009.07.049. Epub 2009 Sep 19. PMID 19767215.
24. Mitchell ME, McManus M, Dietz J, Camitta BM, Szabo S, Havens P, Absidia Corymbifera Endocarditis: Survival from Disseminated Mucormycosis (Zygomycosis) with Radical Resection of Tricuspid Valve and Right Ventricular Free Wall. *J Thorac Cardiovasc Surg.* 2010 Apr;139(4):e71-2. doi: 10.1016/j.jtcvs.2008.07.073. PMID 20304127.
25. Tomita-Mitchell A, Mahnke DK, Larson JM, Ghanta S, Feng Y, Simpson PM, Broeckel U, Duffy K, Tweddell JS, Grossman WJ, Routes JM, Mitchell ME. Multiplexed Quantitative Real-time PCR to Detect 22q11.2 Deletion in Patients with Congenital Heart Disease. *Physiol Genomics.* 2010 2010 Sep;42A(1):52-60. doi: 10.1152/physiolgenomics.00073.2010. Epub 2010 Jun 15. PMID 20551144.
26. Stendahl G, Berger S, Gandy K, Mitchell M, Tweddell J, Zangwill S. Humoral rejection after pediatric heart transplantation: a case report. *Prog Transplant.* 2010 Sep;20(3):288-91. PMID 20929115.
27. Ghanta S, Mitchell ME, Ames M, Hidestrand M, Simpson P, Goetsch M, Thilly WG, Struble CA, Tomita-Mitchell A. Non-invasive prenatal detection of trisomy 21 using tandem single nucleotide polymorphisms. *PLoS One.* 2010 Oct 8;5(10):e13184. doi: 10.1371/journal.pone.0013184. PMID 20949031.
28. Ghanayem NS, Hoffman GM, Mussatto KA, Frommelt MA, Cava JR, Mitchell ME, Tweddell JS. Perioperative monitoring in high-risk infants after stage 1 palliation of univentricular congenital heart disease. *J Thorac Cardiovasc Surg.* 2010 Oct;140(4):857-63. doi: 10.1016/j.jtcvs.2010.05.002. PMID 20621312.

29. Fehrenbacher TA, Mitchell ME, Ghanayem NS, Tweddell JS. Surgery and critical care for anomalous coronary artery from the pulmonary artery. *Cardiol Young*. 2010 Dec;20 Suppl 3:35-43. doi: 10.1017/S1047951110001071. PMID 21087558.
30. Barnes ME, Mitchell ME, Tweddell JS. Aortopulmonary Window. *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu*. 2011;14(1):67-74. doi: 10.1053/j.pcsu.2011.01.017. Review. PMID 21444051.
31. Mital S, Chung WK, Colan SD, Sleeper LA, Manlhiot C, Arrington CB, Cnota JF, Graham EM, Mitchell ME, Goldmuntz E, Li JS, Levine JC, Lee TM, Margossian R, Hsu DT; Pediatric Heart Network Investigators. Renin-angiotensin-aldosterone genotype influences ventricular remodeling in infants with single ventricle. *Circulation*. 2011 May 31;123(21):2353-62. doi: 10.1161/CIRCULATIONAHA.110.004341. Epub 2011 May 16. PMID 21576655.
32. Cassidy LD, Jensen JN, Durkee CT, Calkins CM, Sato T, Tassone C, Kerschner J, Theilke RJ, Mitchell ME, Hoffman GM, Oldham KT. Creation and implementation of a prospective pediatric clinical outcomes registry. *J Registry Manag*. 2011 Autumn;38(3):138-43. PMID 22223056.
33. Mitchell ME. Anterior Tracheal Suspension. *Operative Techniques in Thoracic and Cardiovascular Surgery*. 2011 Winter 16(4);331-339.
34. Gandy KL, Mitchell ME, Pelech AN, Niebler RA, Hoffman G, Berger S. Aortic Exclusion: A Method of Handling Aortic Insufficiency in the Pediatric Population Needing Mechanical Circulatory Support. *Pediatr Cardiol*. 2011 Dec;32(8):1231-3. doi: 10.1007/s00246-011-0069-7. Epub 2011 Aug 2. PMID 21809133.
35. Sparks AB, Wang ET, Struble CA, Barrett W, Stokowski R, McBride C, Zahn J, Lee K, Shen N, Doshi J, Sun M, Garrison J, Sandler J, Hollemon H, Pattee P, Tomita-Mitchell A, Mitchell M, Stuelpnagel J, Song K, Oliphant A. Selective Analysis of Cell-Free DNA in Maternal Blood for Evaluation of Fetal Trisomy. *Prenat Diagn*. 2012 Jan;32(1):3-9. doi: 10.1002/pd.2922. Epub 2012 Jan 6. PMID 22223233.
36. Hidestrand M, Stokowski R, Song K, Oliphant A, Deavers J, Goetsch M, Simpson P, Kuhlman R, Ames M, Mitchell ME, Tomita-Mitchell A. Influence of Temperature during Transportation on Cell-Free DNA analysis. *Fetal Diagn Ther*. 2012;31(2):122-8. doi: 10.1159/000335020. Epub 2012 Jan 19. PMID 22261730.
37. Tomita-Mitchell A, Mahnke DK, Struble CA, Tuffnell ME, Stamm KD, Hidestrand M, Harris SE, Goetsch MA, Simpson PM, Bick DP, Broeckel U, Pelech AN, Tweddell JS, Mitchell ME. Human Gene Copy Number Spectra Analysis in Congenital Heart Malformations. *Physiol Genomics*. 2012 May 1;44(9):518-41. doi: 10.1152/physiolgenomics.00013.2012. Epub 2012 Feb 7. PMID 22318994.
38. Lamers LJ, Frommelt PC, Mussatto KA, Jaquiss RD, Mitchell ME, Tweddell JS. Coarctectomy combined with an interdigitating arch reconstruction results in a lower incidence of recurrent arch obstruction after the Norwood procedure than coarctectomy alone. *J Thorac Cardiovasc Surg*. 2012 May;143(5):1098-102. doi: 10.1016/j.jtcvs.2011.09.037. Epub 2011 Nov 3. PMID 22050986.
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