

CURRICULUM VITAE

Part I: General Information

Full Name: David P.V. Bichell
Place of Birth: Baltimore, Maryland
Marital Status: Married
Spouse's Name: Terry Jo Bichell
Office Address: Vanderbilt University Medical Center
Monroe Carell, Jr. Children's Hospital
Division of Pediatric Cardiac Surgery
2200 Children's Way
Suite 5247, Doctor's Office Tower
Nashville, TN 37232-9292
Office: 615-936-5500
Fax: 615-343-0042

Email: david.bichell@vumc.org

Education

May	1980	Johns Hopkins University, Baltimore, MD Bachelor of Arts
May	1987	Columbia University College of Physicians & Surgeons, New York, NY Doctor of Medicine
May	2016	Master of Management in Health Care (MMHC), Owen Graduate School of Management, Vanderbilt University Nashville, TN

Post-Graduate Training

June	1987-1988	Internship in Pediatrics, Columbia-Presbyterian Hospital, Columbia University New York, NY
July	1988-1994	Resident in General Surgery, Barnes Hospital, Washington University School of Medicine St. Louis, MO
July	1990-1992	Research Fellow, Departments of Biochemistry and Surgery, Washington University School of Medicine, St. Louis, MO
July	1993-1994	Chief Resident, Barnes Hospital, Washington University School of Medicine St. Louis, MO
July	1994-1995	Clinical Fellow in Cardiac Surgery, Brigham & Women's Hospital, Harvard Medical School Boston, MA
July	1995-1996	Resident in Cardiothoracic Surgery, Brigham & Women's Hospital, Harvard Medical School Boston, MA
July	1996-1997	Chief Resident in Cardiac Surgery, Brigham & Women's Hospital, Harvard Medical School Boston, MA
Jan-June	1997	Chief Resident in Cardiac Surgery, Boston Children's Hospital, Harvard Medical School Boston, MA

Licensure and Certification

1994 State of Massachusetts (Certificate #78974 exp: 5/3/2001)
1996 American Board of Surgery (Certificate #4095)
Diplomate
1998 American Board of Thoracic Surgery (Certificate #6048)
Diplomate
1998 State of California (Certificate #G084908)
2001 State of Hawaii (Certificate #11457)
2005 State of Tennessee (Certificate #40434)
2005 State of Illinois (Certificate #036-113863 exp: 8/31/14)
2013 State of South Dakota (Certificate #8866)
2013 The American Board of Thoracic Surgery Congenital Heart Surgery Subspecialty
Certification (Certificate #0125)
Diplomate
2019 State of Louisiana (Certificate #311914)

Academic Appointments

July 1997-1998 Instructor, Department of Cardiovascular Surgery,
Children's Hospital Boston, Harvard Medical School
Boston, MA
Jan 1999-2000 Associate in Cardiovascular Surgery
Children's Hospital in San Diego, CA
June 2005-2006 Associate Professor of Surgery
Department of Surgery, Section of Cardiothoracic Surgery
University of Chicago, IL
July 2006-2024 Professor of Cardiac Surgery
Chief, Pediatric Cardiac Surgery
Vanderbilt University Medical Center
Monroe Carell Jr. Children's Hospital
October 2024- Professor of Cardiac Surgery
Vanderbilt University Medical Center
Monroe Carell Jr. Children's Hospital

Hospital Appointments

Jan 2000-04 Section Chief, Thoracic Surgery, Children's Hospital
San Diego, CA
Jan 2000-05 Director, The Children's Heart Institute,
Children's Hospital, San Diego, CA
Jan 2000-05 Director, Division of Cardiovascular Surgery
Children's Hospital, San Diego, CA
Jan 2000-05 Medical Director, Children's Heart Institute
San Diego, CA
2003-05 At-Large Surgeon, Children's Specialists of San Diego
San Diego, CA
2003-05 Board of Directors, Children's Specialists of San Diego
San Diego, CA
June 2005-06 Director of Pediatric Cardiac Surgery
University of Chicago Hospitals, Comer Children's Hospital
Chicago, IL
2006-2025 Surgical Director, Vanderbilt Pediatric Heart Institute
Monroe Carell Jr. Children's Hospital
Vanderbilt University Medical Center
Jan 2013- William S. Stoney, Jr. Chair in Cardiac Surgery
Monroe Carell Jr. Children's Hospital

Vanderbilt University Medical Center

Employment

1980-92 Freelance illustrator, W.B Saunders Publishers, Little, Brown & Company Publishers, Columbia University, Johns Hopkins University, Harvard University Press, William Morrow Publishers

2017- Consultant, Nucleus Medical Media, Inc., Kennesaw, GA: Review for scientific accuracy of illustrations, scripts, monographs and other visual media under development by Nucleus, Inc.

2018-2020 Consultant, Children’s Hospital of New Orleans: Advisor to administrative officers and faculty during a restructuring of the CHNOLA Congenital Heart Program.

Professional Organizations

American Association for Thoracic Surgery
 Southern Thoracic Surgical Association
 Nashville Surgical Society
 Chicago Surgical Society
 Midwest Pediatric Cardiology Society
 Fellow, American College of Surgeons
 Society of Thoracic Surgeons
 Congenital Heart Surgeon’s Society
 Western Thoracic Surgical Association
 Western Society of Pediatric Cardiology

Professional Activities

Intramural

2003-2005 Academic Affairs Committee, Children’s Specialists of San Diego

2006- Vanderbilt University Thoracic Surgery Residency Education/Curriculum Committee
 Vanderbilt University Medical Center

2007- Vanderbilt Children’s Perioperative and Procedural Committee
 Vanderbilt University Medical Center

2007- Medical Economic and Outcomes Committee (MEOC),
 Vanderbilt University Medical Center

2013 Search Committee, Vanderbilt Chair of Cardiac Surgery
 Vanderbilt University Medical Center

2014- Senior member, scientific committee for the Vanderbilt
 Surgical Outcomes Center for Kids (SOCKS)
 Vanderbilt University Medical Center

2018 Search committee, Vanderbilt Children’s Hospital Chair of
 Pediatric Surgery, Monroe Carell Jr. Children’s Hospital
 Surgeon-in-chief

2020 Search committee, Chair of Cardiology, Vanderbilt University Medical Center

Extramural

2012- Congenital Heart Surgeon’s Society, Ethics and Standards
 Committee

2014- American Board of Thoracic Surgery Congenital Heart
 Surgery Subcommittee for the development of the
 subspecialty board examination

2016- Oral Examiner, American Board of Thoracic Surgery

2016-2023 Data Safety Monitoring Board, Phase III, multi-center clinical

- of intravenous L-citrulline (CIT-033-01) Asklepiion Pharmaceuticals, Baltimore, MD
- 2017- Ad Hoc Reviewer for the Congenital Heart Disease category of the AATS Abstract Committee
- 2019- Oral boards examiner, College of Surgeons of East, Central and Southern Africa (COSECSA)

Ad hoc Journal Reviewer

- 2000- New England Journal of Medicine
- 2001- Annals of Thoracic Surgery
- 2004- Journal of Thoracic and Cardiovascular Surgery
- 2006- Journal of Surgical Research
- 2009- Congenital Heart Disease Journal
- 2012- Circulation
- 2017- Plos One
- 2017- Cardiology in the Young
- 2017- World Journal for Pediatric and Congenital Heart Surgery

Editorial Board membership

- 2021- Journal of Thoracic and Cardiovascular Surgery

Awards and Honors

- 1985-87 Joseph Collins Scholarship, Columbia University
- 1987 Joseph Garrison Parker Award, Columbia University
- 1992 American Federation of Clinical Investigators
Excellence in Research Award
- 1994 Eugene Bricker Award, Washington University

Part II: Research, Teaching, Clinical and Leadership Contributions

Teaching Activities

Mentoring of Clinical Fellows: Congenital Cardiac Surgery

- 2003-04.1 Rajeev Gulati
- 2004-05 Douglas C Wallace

Mentoring of Clinical Residents: Cardiothoracic Surgery

- 2001 Michael M. Madani
- 2004-2007 Robert DuBose
- 2007 John Karamichalis
- 2006-2008 Tammy Baxter
- 2006-2009 Jared Antevil,
- 2007-2010 Alexandros Karavas
- 2008-2011 Daniel Cuadrado
- 2010 James Mykytenko
- 2011-2013 Aundrea Oliver
- 2011-2013 Aaron Hoffman
- 2014 Elena Ziarnik
- 2015 Frank Todd
- 2016 Dennis Gilmore
- 2016 Timothy Danish
- 2017 Michael Archer
- 2017 Ferrin Lou
- 2018 William McMaster

2019	James Tyler Zorn
2022	Nick Tinquist
2023	Eric Quintano
2023	Yulia Tipograf
2024	John Stokes
2024	Ali Irshad

Mentoring of Clinical Research Fellows

2008-2010	Alexandros Karavas
2011	Erin Albers
2016-2018	Aanish Raees
2019-2021	M. Owais A. Ghani

Research mentoring of Medical Students

2007-2009	John Scott, (Vanderbilt EMPHASIS)
2010-2012	Ben Deschner, (Vanderbilt EMPHASIS)
2015-2019	Aanish Raees
2021-2023	Alistair Hilton
2021-2023	Clifford Chin
2022-2024	Daniel Ragheb
2022-2024	Alexander Bruno
2023-2024	Praveen Vimalathas
2023-	Chen Chia (Charles) Wang

Scholarship Oversight Committee

2010-2014	Peggi Angel, PhD
-----------	------------------

Research Program

Completed:

1. "STeroids to REduce Systemic inflammation after infant heart Surgery (STRESS)" clinical trial: Leveraging Existing Registry Resources to Facilitate Clinical Trials
 - 1U01TR001803
 - \$149,878
 - 09/15/2016-12/31/2021
 - 10% effort
 - Role: Co-Investigator
2. "Targeted, highly sensitive, non-invasive cardiac transplant rejection monitoring" A multi-center clinical trial of an assay for the early detection of transplant rejection by measure of circulating cell-free donor specific DNA
 - NIH-NHLBI 4R01HL119747-04
 - \$527,417
 - 07/23/2013-5/31/2018
 - 2% effort
 - Role: Principal Investigator (Vanderbilt site)
3. "Quantitative Detection of Circulating Donor-Specific DNA in Organ Transplant Recipients" (DTRT – Multi-Center Trail)
 - NIH-NHLBI-1R01HL119747-01
 - 02/21/2017-02/20/2019
 - Role: Principal Investigator (Vanderbilt site)
4. "Vanderbilt Biorepository for Congenital Heart Disease: A biorepository of Blood and heart tissue that is removed in the course of surgical intervention on neonates, infants and children, for palliation or repair of congenital cardiac defects"
 - VU IRB #101274
 - Role: Principal Investigator
5. Apical core, septal myectomy. A tissue repository to store heart tissue that is removed during the

- normal course of LVAD placement, septal myectomy and heart transplantation for future molecular investigations, and explanted heart tissue repository
 - VU IRB# 071225
 - Role: Sub-Investigator
6. "A prospective, comprehensive blood and tissue registry of in-patients and out-patients who are seen by the Vanderbilt Heart and Vascular Institute (VHVI) physicians, for use as a platform for additional studies across various disciplines in Cardiovascular Medicine A specific additional subregistry of tissue from congenital heart procedure"
 - VU IRB #090828
 - Role: Sub-investigator
 7. "The Contegra bovine jugular vein valved conduit multicenter clinical study #9202-99C (enrollment closed, follow up ongoing)"
 - Sponsor: Medtronic, Inc., Minneapolis, MN
 - 1999-2005
 - Role: Principal Investigator
 8. Congenital Heart Surgeons' Society (CHSS) multicenter studies of congenital heart disease
 - Sponsor: CHSS, The Hospital for Sick Children, Toronto
 - Role: Principal Investigator
 9. A multicenter study to evaluate the efficacy, safety, and pharmacokinetics of Brevibloc (Esmolol Hydrochloride) for the treatment of hypertension in infants and children after surgical repair of coarctation of the aorta.
 ETHIC clinical study, protocol # 20,015-004.
 - Sponsor: Baxter Pharmaceutical Products, Inc., New Providence, NJ
 - 2004-2005
 - Role: Principal Investigator
 10. "Dose-ranging pharmacodynamic assessment of platelet aggregation inhibition with clopidogrel in children of Blalock-Taussig shunt age categories neonates and infants/toddlers"
 Platelet aggregation inhibition in children on Clopidogrel (PICOLO), study No. PDY4422
 - Sponsor: Sanofi-Synthelabo, Malvern, PA
 - 2005-2006
 - Role: Principal Investigator
 11. Retrospective study of the surgical treatment for ostium secundum atrial septal defect – A surgical arm of the multicenter pivotal study of the HELEX septal occluder
 - Sponsor: W.L. Gore & Associates, Inc., Flagstaff, AZ
 - Role: Principal Investigator
 12. "Neurodevelopmental testing in the pre-, peri-, and last postoperative period in infants undergoing single ventricle surgical palliation, including evoked response potential (ERP), serum markers of hypoxic/ischemic stress, and novel early neurodevelopmental testing of executive function"
 - VU IRB# 061217.
 - \$100,000
 - 2007-2013
 - Role: Principal Investigator

Part III: Bibliography

Articles

1. Pollard TD, Tseng PC, Rimm DL, **Bichell DP**, Williams RC Jr, Sinard J and Sato M. Characterization of alpha-actinin from Acanthamoeba. *Cell Motil Cytoskeleton* 1986, 6:649-61.
2. **Bichell DP**, Kikuchi K, Rotwein P. Growth Hormone rapidly activates Insulin-like Growth Factor-I gene transcription in vivo. *Mol Endocrinol* 1992, Nov;6(11):1899-908.
3. Hall LJ, Kajimoto Y, **Bichell D**, Kim SW, James PL, Counts D, Nixon LJ, Tobin G and Rotwein P. Functional analysis of the rat Insulin-like Growth Factor-I gene and Identification of an IGF-I gene promoter. *DNA Cell Biol* 1992, May;11(4):301-13.
4. Kikuchi K, **Bichell DP**, Rotwein P. Chromatin changes accompany the developmental activation of Insulin-like Growth Factor-I gene transcription. *J Biol Chem* 1992 Oct 25;267(30):21505-11.

5. Rotwein P, **Bichell DP** and Kikuchi K. Multifactorial regulation of IGF-I gene expression. *Mol Repro Devel* 1993 Aug;35(4):358-64;discussion 363-4
6. **Bichell D**, Rotwein P and McCarthy TL. Prostaglandin E2 rapidly stimulates Insulin- like Growth Factor-I gene expression in primary rat osteoblast cultures: Evidence for transcriptional control. *Endocrinology* 1993 Sep; 133(3):1020-8.
7. Thomas MJ, Kikuchi K, **Bichell DP** and Rotwein P. Rapid activation of rat Insulin-like Growth Factor-I gene transcription by Growth Hormone reveals no alterations in deoxyribonucleic acid-protein interaction within the major promoter. *Endocrinology* 1994 Oct; 135(4):1584-92.
8. Thomas MJ, Kikuchi K, **Bichell DP** and Rotwein P. Characterization of deoxyribonucleic acid-protein interactions at a Growth Hormone-inducible Nuclease hypersensitive site in the rat Insulin-like Growth Factor-I gene. *Endocrinology* 1995 Feb;136(2):562-9.
9. **Bichell DP**, Adams DH, Aranki SF, Rizzo RJ, and Cohn LH. Repair of mitral regurgitation from myxomatous degeneration in the patient with a severely calcified posterior annulus. *J Card Surg* 1995 Jul; 10(4 Pt1):281-4.
10. Gates JD, **Bichell DP**, Rizzo RJ, Couper GS, and Donaldson MC. Thigh ischemia complicating femoral vessel cannulation for cardiopulmonary bypass. *Ann Thorac Surg* 1996 Feb; 61(2):730-3.
11. **Bichell DP**, Balaguer JM, Aranki SF, Couper GS, Adams DH, Rizzo RJ, Collins JJ Jr and Cohn LH. Axilloaxillary cardiopulmonary bypass: a practical alternative to femorofemoral bypass. *Ann Thorac Surg* 1997 Sept; 64(3):702-5.
12. Cohn LH, Adams DH, Couper GS, and **Bichell DP**. Minimally invasive aortic valve replacement. *Semin Thorac Cardiovasc Surg* 1997 Oct;9(4):331-6.
13. Cohn LH, Adams DH, Couper GS, **Bichell DP**, Rosborough DM, Sears SP, and Aranki SF. Minimally invasive cardiac valve surgery improves patient satisfaction while reducing costs of cardiac valve replacement and repair. *Ann Surg* 1997 Oct; 226(4):421-6; discussion 427-8
14. Del Nido PJ, **Bichell DP**. Minimal-access surgery for congenital heart defects. *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu*, 1998, 1:75-80.
15. Visconti KJ, **Bichell DP**, Jonas RA, Newberger JW, and Bellinger DC. Developmental outcome after surgical versus interventional closure of secundum atrial septal defect in children. *Circulation* 1999;100(19 Suppl):II 145-50.
16. **Bichell DP**. Evaluation and management of pulmonary atresia with intact ventricular septum. *Curr Opin Cardiol* 1999 Jan; 14(1):60-6.
17. Jahangiri M, Zurakowski D, **Bichell D**, Mayer JE, del Nido PJ and Jonas RA. Improved results with selective management in pulmonary atresia with intact ventricular septum. *J Thorac Cardiovasc Surg* 1999 Dec;118(6):1046-55.
18. Laussen PC, **Bichell DP**, McGowan FX, Zurakowski D, DeMaso DR, and del Nido PJ. Postoperative recovery in children after minimum versus full-length sternotomy. *Ann Thorac Surg* 2000 Feb;69(2):591-6.
19. **Bichell DP**, Saenz NC, Losasso BE and Sobo EJ. Pediatric aortic pseudoaneurysm associated with a gunshot wound to the chest. *J Trauma* 2000 Apr;48(4):791.
20. **Bichell DP**, Geva T, Bacha EA, Mayer JE, Jonas RA and del Nido PJ. Minimal access approach for the repair of atrial septal defect: the initial 135 patients. *Ann Thorac Surg* 2000 Jul;70(1):115-8.
21. Maginot KR, Mathewson JW, **Bichell DP**, Perry JC. Applications of pacing strategies in neonates and infants. *Prog in Pediatr Cardiol* 2000 May 1;11(1):65-75.
22. Nicholson IA, **Bichell DP**, Bacha EA, del Nido PJ. Minimal sternotomy approach for congenital heart operations. *Ann Thorac Surg* 2001 Feb;71(2):469-72.
23. Mathewson JW, **Bichell D**, Rothman A, Ing FF. Absent posteroinferior and anterosuperior atrial septal defect rims: Factors affecting nonsurgical closure of large secundum defects using the Amplatzer occluder. *J Am Soc Echocardiogr*. 2004 Jan; 17(1): 62-9.
24. **Bichell DP**, Lamberti JJ, Pelletier GJ, Hoecker C, Cocalis MW, Ing FF, Jensen RA. Late left pulmonary artery stenosis after the Norwood procedure is prevented by a modification in shunt construction. *Ann Thorac Surg* 2005 May;79(5):1656-60; discussion 1660-1.
25. Kurio GH, Gulati R, **Bichell DP**, Perry JC. Malalignment of the septum primum with abnormally positioned left atrial appendage: unusual combination in a Shone's heart. *Pediatr Cardiol*. 2006 Sep-Oct;27(5):628-32. Epub 2006 Aug 30
26. **Bichell DP**, Mora BN, Mathewson JW, Kirkpatrick SK, Tyner JJ, McLees-Palinkas T. Modified technique for the surgical treatment of severe tricuspid valve deformity in Ebstein's anomaly. *Ann*

- Thorac Surg 2007 Feb;83(2):678–80
27. Graham TP Jr., Markham L, Parra DA, **Bichell D**. Congenitally corrected transposition of the great arteries: an update. *Curr Treat Options Cardiovasc Med* 2007 Oct;9(5):407-13.
 28. Scott JW, Karamichalis JM, Ing F, Shirai L, **Bichell D**. Staged hybrid left pulmonary artery rehabilitation in post-fontan left pulmonary artery hypoplasia. *Ann Thorac Surg* 2007 Dec;84(6):2112-4.
 29. Soslow JH, Parra DA, **Bichell DP**, Dodd DA. Left ventricular hernia in a pediatric transplant recipient: case report and review of literature. *Pediatr Cardiol* 2009 Jan;30(1):55-8. doi 10.1007/s00246-008-9245-9. Epub 2008 June 6
 30. Antevil JL, Doyle TP, **Bichell DP**, Christian KG. Congenitally Corrected Transposition of the great arteries: a unique case from Iraq. *Pediatr Cardiol* 2010 Jan;31(1):120-3. Doi: 10.1007/s00246-009-9545-8. Epub 2009 Sep 29
 31. Niedner MF, Foley JL, Riffenburgh RH, **Bichell DP**, Peterson BM, Rodarte A. B-type natriuretic peptide: perioperative patterns in congenital heart disease. *Congenit Heart Dis* 2010 May-Jun;5(3):243-55. doi: 10.1111/j.1747-0803.2010.00396.x.
 32. Lichtenstein BJ, **Bichell DP**, Connolly DM, Lamberti JJ, Shepard SM, Seslar SP. Surgical approaches to epicardial pacemaker placement: does pocket location affect lead survival? *Pediatr Cardiol* 2010 Oct;31(7):1016-24. Doi: 10.1007/s00246-010-9754-1. Epub 2010 Aug 6.
 33. Albers EL, **Bichell DP**, McLaughlin B. New approaches to neuroprotection in infant heart surgery. *Pediatr Res*. 2010 Jul;68(1):1-9. Doi: 10.1203/00006450-201011001-00002.
 34. **Bichell DP**. *Invited commentary*: Predictive value of intraoperative diagnosis of residual ventricular septal defects by transesophageal echocardiography. *Ann Thorac Surg* 2010 Apr;89(4):1237-8. Doi: 10.1016/j.athoracsur.2009.11.051.
 35. Fleming GA, Billings FT 4th, Klein TM, **Bichell DP**, Christian KG, Pretorius M. Angiotensin-converting enzyme inhibition alters the inflammatory and fibrinolytic response to cardiopulmonary bypass in children. *Pediatr Crit Care Med* 2011 Sep;12(5):532-8. Doi: 10.1097/PCC.0b013e3181fe3925.
 36. **Bichell DP**. *Invited commentary*: Long-term myocardial scarring after operation for anomalous left coronary artery from the pulmonary artery. *Ann Thorac Surg* 2011 Nov;92(5):1765-6. Doi: 10.1016/j.athoracsur.2011.07.009. Epub 2011 Oct 31.
 37. **Bichell DP**. Modified Konno Procedure for Left Ventricular Outflow Tract Obstruction. *Operative Techniques in Thoracic and Cardiovascular Surgery* 2011;16(1):62-69. doi: 10.1053/j.optechstcvs.2010.09.001
 38. Karavas AN, Deschner BW, Scott JW, Mettler BA, **Bichell DP**. Three-region perfusion strategy for aortic arch reconstruction in the Norwood. *Ann Thorac Surg* 2011 Sep;92(3):1138-40. Doi: 10.1016/j.athoracsur.2011.03.122
 39. Watkins SC, McCarver L, Van Bebber A, **Bichell DP**. Venous air embolism leading to cardiac arrest in an infant with cyanotic congenital heart disease. *Case Reports in Anesthesiology* 2012, ID 208430doi:10.1155/2012/208430.
 40. Albers E, Donahue BS, Milne G, Saville BR, Wang W, **Bichell D**, McLaughlin B. Perioperative plasma F(2)-isoprostane levels correlate with markers of impaired ventilation in infants with single-ventricle physiology undergoing stage 2 surgical palliation of the cardiopulmonary bypass. *Pediatr Cardiol*. 2012 Apr;33(4):562-8. doi: 10.1007/s00246-012-0166-2. Epub 2012 Feb 12.
 41. Agarwal HS, Saville BR, Slayton JM, Donahue BS, Daves S, Christian KG, **Bichell DP**, Harris ZL. Standardized postoperative handover process improves outcomes in the intensive care unit: a model for operational sustainability and improved team performance. *Crit Care Med*. 2012 Jul;40(7):2109-15. Doi: 10.1097/CCM.0b013e3182514bab
 42. **Bichell DP**. *Invited commentary*: Clinical characteristics and prognostic factors of primary pulmonary vein stenosis or atresia in children. *Ann Thorac Surg*. 2013 Jan;95(1):235. Doi: 10.1016/j.athoracsur.2012.10.020. Epub 2012 Dec 25
 43. Albers EL, **Bichell DP**, Dodd DA. Left Main coronary artery compression by a dilated pulmonary artery after heart transplantation in an infant with complex congenital heart disease. *J Heart Lung Transplant*. 2013 Apr;32(4):470-2. Doi: 10.1016/j.healun.2012.12.014. Epub 2013 Feb 1.
 44. Agarwal HS, Wolfram KB, Slayton JM, Saville BR, Cutrer WB, **Bichell DP**, Harris ZL, Barr FE, Deshpande JK. Template of patient-specific summaries facilitates education and outcomes in paediatric cardiac surgery units. *Interact Cardiovasc Thorac Surg* 2013 Oct;17(4):704-9. Doi: 10.1093/icvts/ivt293. Epub 2013 Jul 5.

45. Agarwal HS, Hardison DS, Saville BR, Donahue BS, Lamb FS, **Bichell DP**, Harris ZL. Residual lesions in postoperative pediatric cardiac surgery patients receiving extracorporeal membrane oxygenation support. *J Thorac Cardiovasc Surg* 2014 Jan;147(1):4343-41. doi: 10.1016/j.jtcvs.2013.03.021. Epub 2013 Apr 15.
46. Soslow JH, Saurers DL, Dodd DA, Doyle TP, **Bichell DP**, Kavanaugh-McHugh A. Occlusion of the left main coronary artery os by a tethered aortic valve cusp. *Ann Thorac Surg*. 2014 Mar;97(3): e63-5. Doi: 10.1016/j.athoracsur.2013.10.108.
47. Smith AH, Flack EC, Borgman KY, Owen JP, Fish FA, **Bichell DP**, Kannankeril PJ. A common angiotensin-converting enzyme polymorphism and preoperative angiotensin-converting enzyme inhibition modify risk of tachyarrhythmias after congenital heart surgery. *Heart Rhythm*. 2014 Apr; 11(4):637-43. Doi: 10.1016/j.hrthm.2014.01.005. Epub 2014 Jan 1.
48. Simpson SA, Zaccagni H, **Bichell DP**, Christian KG, Mettler BA, Donahue BS, Roberts LJ 2nd, Pretorius M. Acetaminophen attenuates lipid peroxidation in children undergoing cardiopulmonary bypass. *Pediatr Crit Care Med*. 2014 Jul;15(6):503-10. doi: 10.1097/PCC.000000000000149.
49. Agarwal HS, Wolfram KB, Saville BR, Donahue BS, **Bichell DP**. Postoperative complications and association with outcomes in pediatric cardiac surgery. *J Thorac Cardiovasc Surg*. 2014 Aug;148(2):609-16. doi: 10.1016/j.jtcvs.2013.10.031. Epub 2013 Nov 23.
50. Smith AH, Doyle TP, Mettler BA, **Bichell DP**, Gay JC. Identifying predictors of hospital readmission following congenital heart surgery through analysis of a multiinstitutional administrative Database. *Congenit Heart Dis*. 2015 Mar-Apr;10(2):142-52. doi: 10.1111/chd.12209. Epub 2014 Aug 17.
51. Agarwal HS, Barrett SS, Barry K, Xu M, Saville BR, Donahue BS, Harris ZL, **Bichell DP**. Association of blood products administration during cardiopulmonary bypass and excessive post-operative bleeding in pediatric cardiac surgery. *Pediatr Cardiol*. 2015 Mar;36(3):459-67. doi: 10.1007/s00246-014-1034-z. Epub 2014 Oct 8.
52. **Bichell DP**. *Invited commentary*: Fourth decade after repair of tetralogy of Fallot: taking aim at moving targets. *Circulation*. 2014 Nov 25;130(22):1931-2. doi: 10.1161/CIRCULATIONAHA.114.013270. Epub 2014 Oct 23.
53. **Bichell DP**. *Invited commentary*: Surgical indications and results of mitral valve repair in pediatric patients with ventricular septal defects accompanied by mitral valve regurgitation. *Ann Thorac Surg* 2015 Mar;99(3):897-8 doi: 10.1016/j.athoracsur.2014.12.027.
54. **Bichell DP**. *Invited commentary*: It is still mostly about the mitral valve. *J Thorac Cardiovasc Surg* 2015 Aug;150(2):375-6. doi: 10.1016/j.jtcvs.2015.06.020. Epub 2015 Jun 17.
55. **Bichell DP**. *Invited commentary*: Neo-aortic support hose. *J Thorac Cardiovasc Surg*. 2016 Jan;151(1):165-6. doi: 10.1016/j.jtcvs.2015.10.006. Epub 2015 Oct 9
56. Chorna O, Baldwin HS, Neumaier J, Gogliotti S, Powers D, Mouvery A, **Bichell D**, Maitre NL. Feasibility of a Team Approach to Complex Congenital Heart Defect Neurodevelopmental Follow-Up: Early Experience of a Combined Cardiology/Neonatal Intensive Care Unit Follow-Up Program. *Circ Cardiovasc Qual Outcomes*. 2016 Jul;9(4):432-40. doi: 10.1161/CIRCOUTCOMES.116.002614. Epub 2016 May 24
57. Angel PM, Bayoumi AS, Hinton RB, Ru Su Y, **Bichell D**, Mayer JE, Scott Baldwin H, Caprioli RM. MALDI Imaging Mass Spectrometry as a Lipidomic Approach to Heart Valve Research. *J Heart Valve Dis*. 2016 Mar;25(2):240-252.
58. Craig B, Rellinger E, Bhattacharya S, Chung D, Martinez E, Correa H, **Bichell DPV**. Retrocardiac mediastinal foregut duplication cyst. *Journal of Pediatric Surgery Case Reports*. 2016 Aug 29;14:45-48, doi:10.2016/j.epsc.2016.08.010.
59. Angel PM, Baldwin HS, Gottlieb Sen D, Su YR, Mayer JE, **Bichell D**, Drake RR. Advances in MALDI imaging mass spectrometry of proteins in cardiac tissue, including the heart valve. *Biochim Biophys Acta Proteins Proteom*. 2017 Jul;1865(7):927-935. doi: 10.1016/j.bbapap.2017.03.009. Epub 2017 Mar 21. PMID:28341601
60. Durbin MD, Cadar AG, Williams CH, Guo Y, **Bichell DP**, Su YR, Hong CC. Hypoplastic Left Heart Syndrome Sequencing Reveals a Novel NOTCH1 Mutation in a Family with Single Ventricle Defects. *Pediatr Cardiol*. 2017 Aug;38(6):1232-1240. doi: 10.1007/s00246-017-1650-5. Epub 2017 Jun 12 PMID:28608148

61. Raees MA, Morgan CD, Pinto VL, Westrick AC, Shannon CN, Christian KG, Mettler BA, **Bichell DP**. Neonatal Aortic Arch Reconstruction With Direct Splanchnic Perfusion Avoids Deep Hypothermia. *Ann Thorac Surg*. 2017 Dec;104(6):2054-2063. doi: 10.1016/j.athoracsur.2017.04.037. Epub 2017 Jul 12. PMID: 28709662
62. **Bichell D**, Raees MA. *Invited commentary*: An umbrella arrives toward the end of the storm: Patient-tailored aspirin dosing improves late perioperative thromboprophylaxis. *J Thorac Cardiovasc Surg*. 2017 Nov;154(5):1731-1732. doi: 10.1016/j.jtcvs.2017.07.031. Epub 2017 Jul 29. PMID: 28863955
63. Hall EJ, Smith AH, Fish FA, **Bichell DP**, Mettler BA, Crum K, Kannankeril PJ, Radbill AE. Association of shunt type with arrhythmias after Norwood procedure. *Ann Thorac Surg* 2018 Feb;105(2):629-636. doi: 10.1016/j.athoracsur.2017.05.082. Epub 2017 Sep 28. PMID: 28964410
64. Raees MA, Mazhar D, Christensen JT, Parra DA, Killen S, **Bichell DP**. Bidirectional Inferior Cavopulmonary Anastomosis: Pre-Fontan Interim Palliation. *Ann Thorac Surg*. 2017 Oct;104(4):e329-e331. doi: 10.1016/j.athoracsur.2017.04.056. PMID: 28935329
65. **Bichell D**. *Invited commentary*: Neonatal Arch Reconstruction: Guiding Principles, Some Misguided Ones, and a Few More That Don't Matter. *Semin Thorac Cardiovasc Surg*. 2017 Nov 29. pii: S1043-0679(17)30301-5. doi: 10.1053/j.semctvs.2017.11.011. [Epub ahead of print] No abstract available. PMID 29197613
66. Raees MA, Dubar PV, **Bichell DP**. A Medium-Term Venous Access Alternative for Infants Undergoing Congenital Heart Surgery. *World J Pediatr Congenit Heart Surg*. 2018 Jan;9(1):91-94. doi: 10.1177/2150135117738008.PMID: 29310557
67. Raees MA, **Bichell DP**. Direct Splanchnic Perfusion Safely Avoids Deep Hypothermia. *Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu*. 2018 Mar;21:28-32. doi: 10.1053/j.pcsu.2017.11.003. PMID: 29425522
68. Newell AC, Davis K, Wang L, **Bichell D**, Clay MA. Obesity: Risk Factor for Increased Resource Utilization at Bidirectional Glenn. *JPEN J Parenter Enteral Nutr*. 2018 Jan;42(1):49-55. doi: 10.1002/jpen.1029. Epub 2017 Nov 3. PMID: 29505138
69. **Bichell DP**. *Invited commentary*: An implantable turbomechanical cavopulmonary assist device: Guarded optimism for harnessing the river to do upstream work. *J Thorac Cardiovasc Surg*. 2018 Jul;156(1):302-303. doi: 10.1016/j.jtcvs.2018.03.052. Epub 2018 Mar 26 PMID: 29921097
70. **Bichell DP**. *Invited commentary*: The 3-dimensional cardiac hype cycle. *J Thorac Cardiovasc Surg*, 2018 Aug;156(2):e125. doi: 10.1016/j.jtcvs.2018.03.143. Epub 2018 Apr 7. PMID: 30011775
71. Menachem JN, Lindenfeld J, Schlendorf K, Shah AS, **Bichell DP**, Book W, Brinkley DM, Danter M, Frischhertz B, Keebler M, Kogon B, Mettler B, Rossano J, Sacks SB, Young T, Wigger M, Zalawadiya S. Center volume and post-transplant survival among adults with congenital heart disease. *J Heart Lung Transplant*. 2018 Nov;37(11):1351-1360. doi: 10.1016/j.healun.2018.07.007. Epub 2018 Aug 31 PMID: 30174166
72. **Bichell DP**. *Invited commentary*: Mechanical ventilation: A toxic asset. *J Thorac Cardiovasc Surg*. 2019 Apr;157(4):1599-1600. doi: 10.1016/j.jtcvs.2018.11.039. Epub 2018 Nov 27.
73. **Bichell D**. *Invited commentary*: Composite polytetrafluoroethylene homograft with external stent as valved pulmonary conduit: All hat and no cattle? *J Thorac Cardiovasc Surg*. 2019 Jan;157(1):351-352. doi: 10.1016/j.jtcvs.2018.09.109. Epub 2018 Oct 16. No abstract available. PMID: 30557951
74. **Bichell D**. *Invited commentary*: Multi-center data frames single-center questions. *World J Pediatr Congenit Heart Surg*. 2019 May;10(3):268-269. doi: 10.1177/2150135119838779. PMID: 31084305
75. **Bichell D**. *Invited commentary*: Intraoperative balloon pulmonary annulus dilation: A new alchemy or polishing a meatball? *Semin Thorac Cardiovasc Surg*. 2019 May 15. pii: S1043-0679(19)30138-8. doi: 10.1053/j.semctvs.2019.05.008. [Epub ahead of print] PMID:31102724
76. Krispinsky LT, Stark RJ, Parra DA, Luan L, **Bichell DP**, Pietsch JB, Lamb FS. Endothelial-dependent vasomotor dysfunction in infants after cardiopulmonary bypass. *Pediatr Crit Care Med*. 2019 Jun 26. doi: 10.1097/PCC.0000000000002049. [Epub ahead of print] PMID: 31246738
77. Chew JD, Hill KD, Jacobs ML, Jacobs JP, Killen SAS, Godown J, Wallace AS, Thibault D, Chiswell K, **Bichell DP**, Soslow JH. Congenital heart surgery outcomes in Turner syndrome: Society of Thoracic Surgery database analysis. *Ann Thorac Surg*. 2019 Jul 9. pii: S0003-4975(19)31000-8. doi: 10.1016/j.athoracsur.2019.05.047. [Epub ahead of print] PMID:31299232

78. Menachem JN, **Bichell DP**, Frischhertz B, Shah AS, Schlendorf K. Heart transplant in a Fontan patient using hepatitis C-positive donor. *World J Pediatr Congenit Heart Surg.* 2019 Jul;10(4):504. doi: 10.1177/2150135119852037.PMID:31307313.
79. **Bichell, DP.** *Invited commentary:* (1) Spare the valve; (2) sacrifice the valve; or (3) park the valve rudiments in situ, as growable inventory for later re-employment. *J Thorac Cardiovasc Surg.* 2019 Jul 25. pii: S0022-5223(19)31504-1. doi: 10.1016/j.jtcvs.2019.07.039. [Epub ahead of print] No abstract available. PMID:31447134
80. Kynes JM, Shotwell MS, Walters CB, **Bichell DP**, Christensen JT, Hays SR. Epidurals for coarctation repair in children are associated with decreased postoperative anti-hypertensive infusion requirement as measured by a novel parameter, the anti-hypertensive dosing index (ADI). *Children (Basel).* 2019 Oct 10;6(10). pii: E112. doi: 10.3390/children6100112.PMID:31658735
81. Cedars A, Jobanputra K, **Bichell D.** An unusual complication of the “supported” Ross procedure. *World J Pediatr Congenit Heart Surg.* 2019 Nov 22:2150135119881394. doi: 10.1177/2150135119881394. [Epub ahead of print] PMID:31755369
82. Menachem JN, Schlendorf KH, Mazurek JA, **Bichell DP**, Brinkley DM, Frischhertz BP, Mettler BA, Shah AS, Zalawadiya S, Book W, Lindenfeld J. Advanced heart failure in adults with congenital heart disease. *JACC Heart Fail.* 2019 Dec 3. pii: S2213-1779(19)30729-2. doi: 10.1016/j.jchf.2019.08.012. [Epub ahead of print]
83. Hill KD, Baldwin HS, **Bichel DP**, Butts RJ, Chamberlain RC, Ellis AM, Graham EM, Hickerson J, Hornik CP, Jacobs JP, Jacobs ML, Jaquiss RD, Kannankeril PJ, O'Brien SM, Torok R, Turek JW, Li JS; STRESS Network Investigators. Rationale and design of the Steroids to Reduce Systemic inflammation after infant heart surgery (STRESS) trial. *Heart J.* 2019 Dec 9;220:192-202. doi: 10.1016/j.ahj.2019.11.016. [Epub ahead of print]. PMID: 31855716.
84. Richmond ME, Zangwill SD, Kindel SJ, Deshpande SR, Schroder JN, **Bichell DP**, Knecht KR, Mahle WT, Wigger MA, Gaglianella NA, Pahl E, Simpson PM, Dasgupta M, North PE, Hidestrand M, Tomita-Mitchell A, Mitchell ME. Donor fraction cell-free DNA and rejection in adult and pediatric heart transplantation. *J Heart Lung Transplant.* 2019 Nov 29. pii: S1053-2498(19)31767-X. doi: 10.1016/j.healun.2019.11.015. [Epub ahead of print] PMID:31983667
85. Do N, **Bichell D.** *Invited commentary:* Rescue is feasible- Prevention is preferred *J Thorac Cardiovasc Surg.* 2019 Oct 16. pii: S0022-5223(19)32237-8. doi:10.1016/j.jtcvs.2019.10.026. [Epub ahead of print].PMID: 32081414
86. **Bichell D.** *Invited commentary:* A miracle product, applied early and often. *J Thorac Cardiovasc Surg.* 2020 Jan 11. pii: S0022-5223(20)30074-X. doi: 10.1016/j.jtcvs.2019.12.084. [Epub ahead of print] No abstract available. PMID:32164950
87. Williams JL, Raees MA, Sunthankar S, Killen SAS, **Bichell D**, Parra DA, Soslow JH. Sedated echocardiograms better characterize branch pulmonary arteries following bidirectional Glenn palliation with minimal risk of adverse events. *Pediatr Cardiol.* 2020 Apr 4. doi:10.1007/s00246-020-02342-x. [Epub ahead of print] PMID:32248280
88. **Bichell DP.** *Invited commentary:* Technical excellence is necessary but not sufficient. *J Thorac Cardiovasc Surg.* 2019 Dec 20:S0022-5223(19)39869-1. doi: 10.1016/j.jtcvs.2019.12.008. Online ahead of print.PMID: 32402381
89. Diamant MJ, Fox AL, Modi VA, Joshi AA, Clark DE, **Bichell DP**, Cedars A, Fowler R, Frischhertz BP, Mazurek JA, Schlendorf K, Shah AS, Zalawadiya SK, Lindenfeld J, Menachem JN. No survival benefit associated with waiting for non-lung donor heart transplants for recipients with adult congenital heart disease. *J Heart Lung Transplant.* 2020 Apr;39(4S):S227-S228. doi: 10.1016/j.healun.2020.01.878. Epub 2020 Mar 30. PMID: 32465132
90. **Bichell DP.** *Invited commentary:* Ventriculo-ventricular interaction: a bad neighbor brings down the neighborhood. *J Thorac Cardiovasc Surg.* 2020 Apr 3:S0022-5223(20)30741-8. doi: 10.1016/j.jtcvs.2019.11.152. Online ahead of print.PMID: 32475500 No abstract available.
91. Ghani MOA, Raees MA, Tang AR, Anandan D, Shannon CN, **Bichell DP.** Transdiaphragmatic tunneled broviac catheters: Cost-effective perioperative central venous access in infants undergoing cardiac surgery. *J Thorac Cardiovasc Surg.* 2020 May 4:S0022-5223(20)30976-4. doi: 10.1016/j.jtcvs.2020.04.037. Online ahead of print.PMID: 32563580
92. Abdul Ghani MO, Raees MA, Harris GR, Shannon CN, Nicholson GT, **Bichell DP.** Reintervention following infant aortic arch repair using a tailored autologous pericardial patch. *Ann Thorac Surg.*

- 2020 Jun 5:S0003-4975(20)30890-0. doi: 10.1016/j.athoracsur.2020.04.091. Online ahead of print. PMID: 32512001
93. Hill KD, Baldwin HS, **Bichel DP**, Ellis AM, Graham EM, Hornik CP, Jacobs JP, Jaquiss RDB, Jacobs ML, Kannankeril PJ, Li JS, Torok R, Turek JW, O'Brien SM. Overcoming underpowering: Trial simulations and a global rank endpoint to optimize clinical trials in children with heart disease. *Am Heart J*. 2020 May 20;226:188-197. doi: 10.1016/j.ahj.2020.05.011. Online ahead of print. PMID: 32599259.
 94. Ghani MOA, Foster J, Shannon CN, **Bichell DP**. Association of chest tube position with phrenic nerve palsy after neonatal and infant cardiac surgery. *J Thorac Cardiovasc Surg*. 2020 Jul 15:S0022-5223(20)32165-6. doi: 10.1016/j.jtcvs.2020.05.121. Online ahead of print. PMID: 32807556
 95. **Bichell DP**. *Invited commentary*: Vision impairment is a risk factor neglected in the value calculation. *Ann Thorac Surg*. 2021 Jul;112(1):177-178. doi: 10.1016/j.athoracsur.2020.06.091. Epub 2020 Sep 3. PMID: 32891654
 96. Van Driest SL, Madell SM, Crum K, Smith AH, **Bichell DP**, Kannankeril PJ. Research consent rates before and during a COVID-19 one-visitor policy in a children's hospital. *Pediatr Res*. 2021 Jan 14:1-3. doi: 10.1038/s41390-020-01303-7. Online ahead of print. PMID: 33446915.
 97. Sood SB, Weatherly AJ, Smith AH, Murphy MA, Conrad SJ, **Bichell DP**. Vaping contributing to post-operative acute respiratory distress syndrome. *Ann Thorac Surg*. 2021 Jan 23:S0003-4975(21)00114-4. doi: 10.1016/j.athoracsur.2021.01.021. Online ahead of print. PMID: 33497668
 98. Angel PM, Drake RR, Park Y, Clift CL, West C, Berkhiser S, Hardiman G, Mehta AS, **Bichell D**, Su YR. Spatial N-glycomics of the human aortic valve in development and pediatric endstage congenital aortic valve stenosis. *J Mol Cell Cardiol*. 2021 Jan 28:S0022-2828(21)00018-3. doi: 10.1016/j.yjmcc.2021.01.001. Online ahead of print. PMID: 33516683.
 99. **Bichell D**. *Invited commentary*: Patient selection is both the problem and the solution. *J Thorac Cardiovasc Surg*. 2021 Feb 17:S0022-5223(21)00031-3. doi: 10.1016/j.jtcvs.2020.12.134. Online ahead of print. PMID: 33610368.
 100. Diamant MJ, Fox AL, Modi VA, Joshi AA, Clark DE, **Bichell DP**, Cedars A, Fowler R, Frischhertz BP, Mazurek JA, Schlendorf KH, Shah AS, Zalawadiya SK, Lindenfeld J, Menachem JN. No survival benefit associated with waiting for non-lung donor heart transplants for adult recipients with congenital heart disease. *Clin Transplant*. 2021 Feb 22:e14266. doi: 10.1111/ctr.14266. Online ahead of print. PMID: 33615562.
 101. **Bichell DP**. *Invited commentary*: The Fontan: Propping up the push, the pull, the plumbing, and knowing when to fold. *J Thorac Cardiovasc Surg*. 2020 Sep 12:S0022-5223(20)32619-2. doi: 10.1016/j.jtcvs.2020.09.032. Online ahead of print. PMID: 33618884.
 102. **Bichell DP**. *Invited commentary*: The importance and treachery of patient selection for neonatal heart transplant. *J Thorac Cardiovasc Surg*. 2021 Feb 5:S0022-5223(21)00240-3. doi: 10.1016/j.jtcvs.2021.02.005. Online ahead of print. PMID: 33726902.
 103. Clift CL, Su YR, **Bichell D**, Jensen Smith HC, Bethard JR, Norris-Caneda K, Comte-Walters S, Ball LE, Hollingsworth MA, Mehta AS, Drake RR, Angel PM. Collagen fiber regulation in human pediatric aortic valve development and disease. *Sci Rep*. 2021 May 7;11(1):9751. doi: 10.1038/s41598-021-89164-w. PMID: 33963260.
 104. **Bichell DP**. *Invited commentary*: Autograft root dilation after the Ross procedure is not benign. *World J Pediatr Congenit Heart Surg*. 2021 Jul;12(4):516-517. doi: 10.1177/21501351211015927. PMID: 34278869.
 105. **Bichell DP**. *Invited commentary*: Right ventriculotomy: Less is still more. *JTCVS Tech*. 2021 Jun 12;8:124-125. doi: 10.1016/j.xjtc.2021.06.017. eCollection 2021 Aug. PMID: 34401830
 106. Rali AS, Weingarten A, Sandhaus E, Gupta R, Rollins A, **Bichell D**, Do N, Brinkley DM, Schlendorf KH, Freno D, Balsara K, Menachem JN. Unknown risks of transplantation in adults with congenital heart disease. *Card Fail Rev*. 2021 Aug 6;7:e14. doi: 10.15420/cfr.2021.09. eCollection 2021 Mar. PMID: 34466273
 107. Brown SA, Trinh VQ, Healan S, **Bichell D**, Frischhertz B, Scanga A. An anomalous cause of portal hypertension. *ACG Case Rep J*. 2021 Apr 6;8(4):e00552. doi: 10.14309/crj.0000000000000552. eCollection 2021 Apr. PMID: 34549053.
 108. Zangwill SD, Deshpande SR, Simpson PM, Liang HL, Zhang L, Dasgupta M, Richmond ME, Kindel SJ, **Bichell DP**, Mahle WT, Wigger MA, Schroder JN, Knecht KR, Pahl E, Gaglianello NA, North PE, Tomita-Mitchell A, Mitchell ME. Increase in nuclear cell-free DNA associated with major

- adverse events in adult and pediatric heart transplant recipients. Clin Transplant. 2021 Oct 14:e14509. doi: 10.1111/ctr.14509. Online ahead of print.PMID: 34649304.
109. **Bichell D.** *Invited commentary:* Which came first, the chylothorax or the thrombus? J Thorac Cardiovasc Surg. 2021 Oct 1:S0022-5223(21)01400-8. doi: 10.1016/j.jtcvs.2021.09.047. Online ahead of print.PMID: 34656358
 110. **Bichell D.** *Invited commentary:* Is the health of the forest measured by the health of some of the trees? J Thorac Cardiovasc Surg. 2021 Oct 21:S0022-5223(21)01495-1. doi: 10.1016/j.jtcvs.2021.10.025. Online ahead of print.PMID: 34772512
 111. Radbill AE, Smith AH, Van Driest SL, Fish FA, **Bichell DP**, Mettler BA, Christian KG, Edwards TL, Kannankeril PJ. Impact of obesity on post-operative arrhythmias after congenital heart surgery in children and young adults. Cardiol Young. 2022 Jan 6:1-6. doi: 10.1017/S1047951121005114. Online ahead of print.PMID: 34986912.
 112. **Bichell DP.** *Invited commentary:* Survival after Norwood procedure in high-risk patients. Ann Thorac Surg. 2020 Mar;109(3):833-834. doi:10.1016/j.athoracsur. 2019.09.005. Epub 2019 Oct 5.PMID: 31593658
 113. **Bichell D.** *Invited commentary:* Cardiac surgery in the developing world: Matching patient selection to longitudinal care. Bichell DP.J Thorac Cardiovasc Surg. 2022 Feb;163(2):424-425. doi: 10.1016/j.jtcvs.2021.05.039. Epub 2021 Jun 1.PMID: 34134891
 114. Deshpande SR, Zangwill SD, Kindel SJ, Schroder JN, **Bichell DP**, Wigger MA, Richmond ME, Knecht KR, Pahl E, Gaglianello NA, Mahle WT, Stamm KD, Simpson PM, Dasgupta M, Zhang L, North PE, Tomita-Mitchell A, Mitchell ME. Relationship between donor fraction cell-free DNA and clinical rejection in heart transplantation. Pediatr Transplant. 2022 Mar 8:e14264. doi: 10.1111/ptr.14264. Online ahead of print. PMID: 35258162
 115. Chin CW, **Bichell DP.** Misclassification of pulmonary hypertension in partial anomalous pulmonary return. Ann Thorac Surg. 2022 Feb 26:S0003-4975(22)00281-8. doi: 10.1016/j.athoracsur.2022.02.021. Online ahead of print.PMID: 35231436.
 116. Chew JD, Hill KD, Soslow JH, Jacobs ML, Jacobs JP, Eghtesady P, Thibault D, Chiswell K, **Bichell DP**, Godown J. Congenitally corrected transposition cardiac surgery: Society of Thoracic Surgeons database analysis. Ann Thorac Surg. 2022 Apr 14:S0003-4975(22)00514-8. doi: 10.1016/j.athoracsur.2022.03.063. Online ahead of print. PMID: 35430223
 117. Richmond ME, Deshpande SR, Zangwill SD, **Bichell DP**, Kindel SJ, Mahle WT, Schroder JN, Wigger MA, Knecht KR, Pahl E, Gaglianello NA, Goetsch MA, Simpson P, Dasgupta M, Zhang L, North PE, Tomita-Mitchell A, Mitchell ME. Validation of donor fraction cell-free DNA with biopsy proven cardiac allograft rejection in children and adults. J Thorac Cardiovasc Surg. 2022, 165(2):460-468. Apr 30:S0022-5223(22)00508-6. doi: 10.1016/j.jtcvs.2022.04.027. Online ahead of print.PMID: 35643770
 118. **Bichell DP.** *Invited commentary:* The illogic of oversizing donor hearts for pulmonary hypertension. J Thorac Cardiovasc Surg. 2022 May 11:S0022-5223(22)00536-0. doi: 10.1016/j.jtcvs.2022.05.008. Online ahead of print.PMID: 35644635
 119. **Bichell D.** *Commentary:* A big shunt is an early liability, a late asset. JTCVS Open. 2022 Feb 11;9:215-216. doi: 10.1016/j.xjon.2022.02.009. eCollection 2022 Mar.PMID: 36003454.
 120. Hill KD, Kannankeril PJ, Jacobs JP, Baldwin HS, Jacobs ML, O'Brien SM, **Bichell DP**, Graham EM, Blasiolo B, Resheidat A, Husain AS, Kumar SR, Kirchner JL, Gallup DS, Turek JW, Bleiweis M, Mettler B, Benscoter A, Wald E, Karamlou T, Van Bergen AH, Overman D, Eghtesady P, Butts R, Kim JS, Scott JP, Anderson BR, Swartz MF, McConnell PI, Vener DF, Li JS; STRESS Network Investigators. Methylprednisolone for heart surgery in infants- A randomized, controlled trial. N Engl J Med. 2022 Dec 8;387(23):2138-2149. doi: 10.1056/NEJMoa2212667. Epub 2022 Nov 6.
 121. Chun YW, Miyamoto M, Williams CH, Neitzel LR, Silver-Isenstadt M, Cadar AG, Fuller DT, Fong DC, Liu H, Lease R, Kim S, Katagiri M, Durbin MD, Wang KC, Feaster TK, Sheng CC, Diana Neely M, Sreenivasan U, Cortes-Gutierrez M, Finn AV, Schot R, Mancini GMS, Ament SA, Ess KC, Bowman AB, Han Z, **Bichell DP**, Ru Su Y, Hong Impaired reorganization of centrosome structure underlies human infantile dilated cardiomyopathy. Circulation. 2023 Mar 27. doi: 10.1161/CIRCULATIONAHA.122.060985. Online ahead of print. PMID: 36970983.
 122. Bruno AP, Ragheb DK, Janssen DR, **Bichell DP.** Growable shunt as novel therapy in children requiring aortopulmonary shunt for extended time. Ann Thorac Surg Short Rep. 2023 Mar 8;1(2):322-324. doi: 10.1016/j.atssr.2023.02.023. eCollection 2023 Jun.PMID: 39790333.

123. Kikano S, Fuchs S, Vega AC, Kavanaugh-McHugh A, **Bichell D**, Killen SAS. Postoperative morbidity and interstage hemodynamics following stage 1 palliation in patients with Turner syndrome and hypoplastic left heart syndrome. *Pediatr Cardiol*. 2023 Dec 28. doi: 10.1007/s00246-023-03395-4.
124. Deshpande SR, Zangwill SD, Richmond ME, Kindel SJ, Schroder JN, Gaglianella N, **Bichell DP**, Wigger MA, Knecht KR, Thrush PT, Mahle WT, North PE, Simpson PM, Zhang L, Dasgupta M, Tomita-Mitchell A, Mitchell ME. Evaluating threshold for donor fraction cell-free DNA using clinically available assay for rejection in pediatric and adult heart transplantation. *Pediatr Transplant*. 2024 May;28(3):e14708. doi: 10.1111/ptr.14708.PMID: 38553812.
125. Chin CW, Nicholson GT, **Bichell DP**. Severe aortopulmonary collaterals are associated with lower transplant-free survival in patients undergoing staged single ventricle palliation. *JTCVS Open*. 2023 Sep 19;16:844-854. doi: 10.1016/j.xjon.2023.09.012. eCollection 2023 Dec.PMID: 38204728
126. Ragheb DK, Healan S, Frischhertz B, Nicholson G, Janssen D, **Bichell D**, Doyle T, Weingarten A. Hybrid stenting of pulmonary venous baffle stenosis: subxiphoid approach in transposition of the great arteries. *JACC Case Rep*. 2024 Mar 28;29(9):102294. doi: 10.1016/j.jaccas.2024.102294. eCollection 2024 May 1.PMID: 38576773.
127. Kavanaugh-McHugh A, Zuckerwise LC, Killen SAS, Morris EA, Sullivan RT, Alrifai MW, **Bichell DP**, Smith-Parrish M, Freud L. Management of Ebstein anomaly in the current era: The story of one fetus and the collaboration of many- a case report. *J Cardiovasc Dev Dis*. 2024 May 9;11(5):147. doi: 10.3390/jcdd11050147. PMID: 38786969.
128. Skaff AM, Kikano SD, Weiner JG, Staudt GE, Maynord PO, **Bichell DP**, Parra DA. Utilization of a post-Fontan management pathway reduces chest tube drainage and hospital readmission rates. *Cardiol Young* 2024;34(12):2499-2506. doi: 10.1017/S1047951124025861. Epub 2024 Sep 26.PMID: 39323359.
129. Girvin Z, Wright A, Shoemaker B, **Bichell D**, Shah A, Kannankeril PJ. Left or bilateral cardiac sympathetic denervation: Antiarrhythmic efficacy and complications. *JACC Clin Electrophysiol*. 2025 Jul 21:S2405-500X(25)00521-3. doi: 10.1016/j.jacep.2025.06.020. Online ahead of print. PMID: 40772896
130. Wang CC, Stuart HS, **Bichell DP**, Christian K. Preserving pathways: Strategies for left superior vena cava management in pediatric cardiac surgery. *Ann Thorac Surg Short Rep*. 2025 Mar 19;3(3):651-656. doi: 10.1016/j.atsr.2025.03.004. eCollection 2025 Sep.PMID: 41163858
131. Crockett SL, Su RL, Sekulich DC, Goins KA, Montero A, Boatwright N, Berger CD, Yarboro MT, Paria BC, Herington JL, Siricilla S, Mettler BA, **Bichell DP**, Allison BJ, Reese J, Shelton EL. Caffeine-associated reduction in patent ductus arteriosus is mediated in part by adenosine receptor antagonism. *Am J Physiol Heart Circ Physiol*. 2025 Dec 1;329(6):H1548-H1559. doi: 10.1152/ajpheart.00801.2024. Epub 2025 Oct 30.PMID: 41165563
132. Wang CC, Nayak N, Garcia JD, Nicholson GT, **Bichell D**. Longevity of homograft conduits for infant right ventricular outflow tract reconstruction in the modern era. *JTCVS Open*. 2025 Sep 19;28:469-478. doi: 10.1016/j.xjon.2025.09.015. eCollection 2025 Dec.PMID: 41473038

Book Chapters

1. Rotwein P, Thomas MJ, Gronowski AM, **Bichell DP** and Kikuchi K. The somatamedin hypothesis revisited: Early events in Growth Hormone action. In: Baxter RC, Gluckman PC and Rosenfeld RG, ed. *Insulin-like Growth Factors and their regulatory proteins*, Elsevier Science, 1994, p13-21.
2. **Bichell DP**. Surgical Procedures. In: *Washington University Manual of Surgery*. Little, brown & Company, Boston, 1996.
3. **Bichell DP**. Palliative procedures: shunts and pulmonary artery banding. In: *Operative Cardiac Surgery*, Rob & Smith 5th ed., Spray TL and Gardner TJ, eds. London, 2004, Arnold Publ.
4. **Bichell DP**. Atrial septal defect and cor triatriatum. Chapter 10, In: Sabiston & Spencer: *Surgery of the Chest*, 7th ed., Selke FW, del Nido PJ, Swanson SJ, eds. Philadelphia, 2004, Elsevier Science
5. **Bichell DP**. Pulmonary atresia with intact ventricular septum. In: *Critical Heart Disease in Infants and Children*, 2nd edition, Nichols DG, ed., New York, 2006 Harcourt Publ
6. Dees EH, Baldwin HS, Doyle T, **Bichell DP**, Graham TP. Nonsyndromic conotruncal abnormalities. Chapter 13 In: *Congenital Heart Defects: From Origin to Treatment*, Wyszynski DF, Correa-Villasenor

- A, Graham TP, eds., 2010, Oxford University Press, New York
7. **Bichell DP** and Christian KG. Atrial Septal Defect and Cor Triatriatum Chapter 114, *In: Sabiston & Spencer: Surgery of the Chest*, 8th ed., Selke FW, del Nido PJ, Swanson SJ, eds. Philadelphia, 2010, Elsevier Science.
 8. **Bichell DP**. Palliative procedures: shunts and pulmonary artery banding. *In: Operative Cardiac Surgery*, Rob & Smith 6th ed., Spray TL and Gardner TJ, eds. London, 2013, Arnold Publ
 9. **Bichell DP** and Doyle T. Atrial Septal Defect and Cor Triatriatum. *In: Sabiston & Spencer: Surgery of the Chest*, 9th ed., Selke FW, del Nido PJ, Swanson SJ, eds. Philadelphia, 2014, Elsevier Science.
 10. **Bichell DP**, and Mettler BA. Chapter 40: Mitral valve repair for congenital mitral valve disease in the adult. *In: Cardiac Surgery in the Adult*, 5th ed., Lawrence H Cohn, editor, McGraw Hill Publ. (*in press*)
 11. **Bichell DP**. Double Outlet Right Ventricle. *In: Critical Heart Disease in Infants and Children*, 3rd ed. Elsevier Publ. 2018 (*in press*).
 12. **Bichell DP**. Chapter 40: Palliative procedures: shunts and pulmonary artery banding. *In: Operative Cardiac Surgery*, Rob & Smith 7th ed., Spray TL and Acker, eds. London, 2018, CRC Publ
 13. Feins E, **Bichell D**. Atrial septal defect and cor triatriatum, *In: Sabiston and Spencer Surgery of the Chest*, Chapter 119 10th edition, Selke F, Del Nido P, Swanson S, eds. 2023, Elsevier Science Publ.

Books

1. Shipman P, Walker A, and **Bichell D**. *The Human Skeleton*. Cambridge: Harvard University Press, 1986.

Illustrations (books)

1. Shipman P. *Life History of a Fossil*. Cambridge: Harvard University Press, 1981. (16 drawings).
2. Becker R and Seldon G. *The Body Electric*. New York: William Morrow, Inc., 1985. (87 drawings).
3. Shipman P, Walker A and Bichell D. *The Human Skeleton*. Cambridge: Harvard University Press, 1986. (122 drawings).
4. Flye MW (ed): *Atlas of Organ transplantation*. Philadelphia: WB Saunders, Inc., 1994. (386 drawings).

Illustrations (other)

1. Rose K and Brown T. New plesiadapiform primates from the eocene of Wyoming and Montana. *J Vertebrate Paleontology* 1982, 2:63-9.
2. Rose K. Skeleton of Diacodactylus, oldest known artiodactyl. *Science* 1982, 216:621-3.
3. Rose K and Emry R. Extraordinary fossorial adaptations in the oligocene palaeonodons epitherium and xenocranium (mammalia). *J Morphology* 1983, 175:33-56.
4. Rose K and Rensberger J. Upper dentition of ekgmowechashala (omomyid primate) from the John Day formation, oligomyocene of Oregon. *Folia Primatologica* 1983, 41:102-11.
5. Robbins M and Joanny J. Contact angle hysteresis on random surfaces. *Europhysics Letters* 1987, 3:729-35.
6. Spray T, Mallory G, Carter C and Huddleston C. Pediatric lung transplantation; Indications, technique and early results. *J Thorac Cardiovasc Surg* 1994, 107:990-1000.
7. Sundt T. Heart-lung transplantation. *In: Mastery of Thoracic Surgery*. Boston: Little, Brown & Company, 1998. (11 drawings).

Abstracts

1. **Bichell DP**, Kikuchi K and Rotwein P. Growth Hormone rapidly induces Insulin-like Growth Factor-I gene transcription in vivo. Meeting of the American Society of Clinical Investigators, 1992, Baltimore, MD.
2. Visconti KJ, **Bichell DP**, Jonas RA, Newburger JW and Bellinger DC. Developmental outcome after surgical versus interventional closure of secundum atrial septal defect in children. *Circulation* 1999 Nov 9;100(19 suppl):ii145-50.
3. Del Nido PJ, Geva T, McGowan FX and **Bichell DP**. Minimal access surgery for the correction of complex congenital defects. *Circulation* 1998, 98(17 Suppl I):I-687.
4. **Bichell DP**, Mayer JE, Geva T, del Nido PJ. Minimal access approach for the repair of atrial septal

- defect: Experience with the initial 96 patients. *Circulation* 1998, 98(17 Suppl I):I-687.
5. Duncan BW, Atz AM, Bohn DJ, Benson LN, **Bichell DP**, Jonas RA, French JW, Black MD and Wessel DL. Mechanical circulatory support for pediatric patients with acute myocarditis. *Circulation* 1998, 98(17 Suppl I):I-116-I-117.
 6. **Bichell DP**, Jenkins K and Mayer JE. Results of a combined catheter and surgical strategy for the treatment of multiple ventricular septal defects. *Circulation* 1998, 98(17 Suppl I):I-548.
 7. Jahangiri M, Zorakowski D, **Bichell DP**, Mayer J, del Nido P and Jonas R. Improved results with selective management in pulmonary atresia with intact ventricular septum. AATS 1999, New Orleans.
 8. Mainwaring RD, Uzark K, **Bichell DP** and Lamberti JJ. Hemi-Fontan versus cavopulmonary shunt: mid-term follow-up and evaluation of sinus node function. *Circulation* 2001, 104(17 Suppl II):II-710.
 9. **Bichell DP**, Lamberti JJ, Cocalis MW, Ing FF and Jensen RA. Late pulmonary artery stenosis after the Norwood procedure is prevented by a modification in shunt construction. AHA Scientific Sessions November 2002, Chicago, Illinois.
 10. Mathewson JW, Ing FF, **Bichell DP**. Absent Posterior-Inferior and Antero-Superior Atrial Septal Defect Rims: Implications for Non-Surgical Closure of Large Secundum Defects Using the Amplatzer Occluder. SCAI Scientific Sessions, Boston, May 2003.
 11. Perry J, Boramanand N, Lamberti J, Maginot K, **Bichell D**. Atrial tachycardias following surgical approach to presumed tachycardia substrates during Fontan revision in young adults. NASPE, New York, 2003
 12. Boramanand NK, Goya G, **Bichell DP**, Perry JC. Atrial Leads in the postoperative congenital heart patient: Long term benefits of a transmural approach. NASPE San Francisco May 2004.
 13. Kurio G, Frazer JR, **Bichell DP**, Lamberti JJ, Ing FF. Intra-operative Angiography and Stent Implantation: Collaboration between the surgeon and the interventionalist in the management of congenital heart disease. SCAI 28th Annual Scientific Sessions, Ponte Vedra Beach, FL, May 4-7, 2005
 14. Lichtenstein BJ, Seslar SP, Lamberti JJ, Connolly DM, and **Bichell DP**. Surgical approaches to pacemaker pocket: Does pocket location affect lead survival? Abstract P05-115, HRS Scientific Sessions, San Francisco, CA, May 16, 2008.
 15. Karavas AN, Fleming K, Bledsoe C, **Bichell DP**. A medium-term venous access alternative in infants undergoing congenital heart surgery. The European Society for Cardio-vascular Surgery, 59th International Congress, Izmir, Turkey, April 15-18, 2010.
 16. Fleming G, **Bichell DP**, Christian KC, et al. Continued ACE inhibition alters the inflammatory and fibrinolytic response to cardiopulmonary bypass in children. Abstract # 11442. American Heart Association Scientific Sessions, 2010.
 17. Angel, P.M., Gottlieb, D., Bayoumi, A., Bern, M., Mayer, J.E., Mettler, B., **Bichell DP**., Baldwin, H.S., Caprioli, R. M. Modeling Spatial Localization of Novel Molecular Expression in the Juvenile Valve by MALDI Imaging Mass Spectrometry. Abstract for Poster Presentation, Weinstein Cardiovascular Development Conference (2011).
 18. Agarwal H, Wolfram K, Wang W, Saville B, Grando B, Christian K, **Bichell DP**, Harris Z. Does cardiopulmonary bypass time affect post-operative complications following pediatric cardiac surgery? ACC Abstract Number 1098-441, New Orleans, LA, April 4, 2011.
 19. Noland JS, **Bichell DP**, Baldwin HS, Key AF. Motorically delayed infants with congenital heart disease (CHD): Unexpected sparing of executive functioning. Poster presented at the biennial meeting of the Society for Research and Child Development (SRCD) Montreal, C.A., April 2011.
 20. Brixey AG, Luo Y, Bernard Y, Gowda SS, **Bichell DP**, Christian KG, Baldwin HS, Light RW. Characteristics of pleural effusions in patients undergoing the Fontan or Glenn procedures for congenital cardiac defects. American Thoracic Society 2011 International Conference. Denver, CO, May 13-18, 2011.
 21. Smith AH, Hardison DC, Bridges BC, Christian KG, Mettler BA, **Bichell DP**. Changes in Oxygen tension among patients with single ventricle physiology supported with extracorporeal membrane oxygenation. Society of Critical Care Medicine Annual Congress, Houston, TX. February 4-8, 2012.
 22. Angel PM, **Bichell DP**, Su YR, Hinton RB, Mettler BA, Baldwin HS, Caprioli RM. A Potential Role for

- Lipid Signaling in Pediatric Congenital Aortic Valve Stenosis. Abstract for Poster Presentation, Weinstein Cardiovascular Development Conference (2013), Cincinnati, OH.
23. Smith A, Parra D, Mettler B, **Bichell DP**. Quantifying The Impact Of Early Term Gestation Delivery Upon Resource Demands Following Neonatal Congenital Heart Surgery. American Heart Association Scientific Sessions, Nov 15-19, 2014, Chicago, IL
 24. Morgan, CD, Pinto, V, Westrick AC, Shannon CN, Christian K, Mettler BA, **Bichell DP**. Neonatal aortic arch reconstruction with splanchnic perfusion avoids deep hypothermia and supports recovery of extracardiac organs. Southern Thoracic Surgical association (STSA) 63rd Annual Meeting, November 9-12, 2016, Naples FL.
 25. Talbot K, Reed A, Baldwin HS, **Bichell DP**, Su YS, Drake RR, Angel PM. N-Glycan Changes in the Human Aortic Valve during Development and Disease by Imaging Mass Spectrometry Abstract ID number: 290520. 65th ASMS Conference, June 5, 2017, Indianapolis, IN
 26. Chew J, Hill KD, Jacobs ML, Jacobs JP, Killen SAS, Godown J, Wallace A, Chiswell K, **Bichell DP**, Soslow J. Distribution and Outcomes of Congenital Heart Surgery in Turner Syndrome Using the Society of Thoracic Surgeons Congenital Heart Surgery Database. American Heart Association Scientific Sessions, November 10, 2018, Chicago, IL
 27. Richmond ME, Kindel SJ, Schroder JN, Deshpande SR, **Bichell DP**, Wigger MA, Knecht KR, Pahl E, Gaglianella NA, Simpson PM, Mahle WT, Mitchell AT, Zangwill SD, Mitchell ME. Increase in Donor Fraction Cell-Free DNA Correlates with Cellular and Antibody Mediated Rejection (ACR/AMR) in Adult and Pediatric Heart Transplant Recipients: DNA Based Transplant Rejection Test (DTRT)-A Prospective Blinded Multicenter NIH/NHLBI Funded Clinical Study, ISHLT 39th Annual Meeting and Scientific Sessions, April 4, 2019, Orlando, FL.
 28. Zangwill SD, Kindel SJ, Schroder JN, **Bichell DP**, Deshpande SR, Wigger MA, Richmond ME, Knecht KR, Gaglianella NA, Pahl E, Simpson PM, Mahle WT, Mitchell AT, Mitchell ME . Increase in Total Cell-Free DNA Correlates with Death in Adult and Pediatric Heart Transplant Recipients: DNA Based Transplant Rejection Test (DTRT)-A Prospective Blinded Multicenter NIH/NHLBI Funded Clinical Study;, ISHLT 39th Annual Meeting and Scientific Sessions, April 4, 2019, Orlando, FL.
 29. Clift C, Comte-Walters S, Ball LE, **Bichell D**, Su YR, Mehta A, Drake RR, Angel PM. A Novel Proteomic Method Defines Extracellular Matrix Proteins and Their Post-Translational Modifications from Formalin-Fixed, Paraffin-Embedded Specimens of Heart Valve Disease. American Society for Mass Spectrometry, June 2-6, 2019, Atlanta, GA
 30. Ghani MOA, Raees MA, Tang AR, Anandan D, Mettler BA, Christian KG, Shannon CN, **Bichell DP**. Transdiaphragmatic tunneled broviac catheters: Cost-effective perioperative central venous access. Southern Thoracic Surgical Association 66th Annual Meeting, November 6-8, 2019, Marco Island, FL
 31. Harris G, Ghani MOA, Raees MA, Shannon C, Nicholson G, **Bichell D**. Incidence of reintervention following aortic arch repair using a tailored autologous pericardial patch. Southern Thoracic Surgical Association 66th Annual Meeting, Nov 8, 2019, Marco Island, FL.
 32. Ghani MOA (Presenter), Raees MA, Tang AR, Anandan D, Mettler BA, Christian KG, Shannon CN, **Bichell DP** (E-poster) Transdiaphragmatic tunneled Broviac Catheters: Cost-effective perioperative central venous access
The 66th Annual Meeting Southern Thoracic Surgical Association, Marco Island, FL November 6-9 2019
 33. Fernandes. BA, Ghani MOA, Gong W, Lindell C, **Bichell DP**, Clay MA
Galectin-3: A Novel Biomarker Predicting the Success of Staged Single Ventricle Palliation (Poster).
Cardiology 2020: 23rd Annual Update on Pediatric and Congenital Cardiovascular Disease, Children's Hospital of Philadelphia, Disney's Yatch and Beach Resort, Lake Buena Vista, FL
February 12th- 16th 2020
 34. Ghani MOA, Raees MA, Foster J, Shannon CN, **Bichell DP** (Oral)
Phrenic Nerve Injury: Analysis of Anatomic and Procedural Risks.
Meeting: American Association for Thoracic Surgery 100th Annual Meeting, Sheraton New York Times Square, New York, NY April 25 – 28 2020 (cancelled due to COVID-19)
 35. Radbill AE, Smith AH, Van Driest SA, Fish FA, **Bichell DP**, Mettler BA, Christian KG, Edwards TL, Kannankeril PJ. The Impact of Body Mass Index on Post-operative Arrhythmias After Congenital Heart Surgery in Children. Heart Rhythm Society 2020 Virtual Scientific Sessions, May, 2020.

36. Mceachern WA, Sunthankar S, Doyle T, Nicholson GT, **Bichell DP**, Ghani MOA, Parra D. (Oral) Evaluating Predictors Of Pulmonary Valve Replacement Failure In Congenital Heart Disease Patients Virtual presentation at American Heart Association Scientific Sessions 2020 for November 13-17
37. Chew, J, Hill KD, Soslow JH, Jacobs ML, Jacobs JP, Eghtesady P, Thibault MS, Chiswell K, **Bichell DP**, Godown J. Contemporary practice in surgical management of congenitally corrected transposition of the great arteries: An analysis the society of thoracic surgeons congenital heart surgery database (STS-CHD) Poster, ACC 70th Annual Scientific Session, May 15-17, 2021, in Atlanta, Georgia.
38. ME Richmond, SR Desphande, SD Zangwill, **DP Bichell**, SJ Kindel, JN Schroder, MA Wigger, KR Knecht, E Pahl, NA Gaglianello, WT Mahle, HI Liang, PM Simpson, M Dasgupta, L Zhang, PE North, AT Mitchell, ME Mitchell. Donor fraction cell-free DNA and rejection in pediatric and adult heart transplantation. AATS late-breaking presentation, 101st Annual Meeting (online), April 30, 2021.
39. Buttafuoco K, Robbins I, Pugh M, Hemmes A, Piana R, **Bichell D**, Frischertz B. On a Razor's Edge: Management of Pulmonary Artery Aneurysm in Pulmonary Hypertension. Oral presentation, 32nd Annual International Symposium on ACHD to be held June 8-11, 2022, Cincinnati, OH.
40. Chin C, Nicholson G, **Bichell D**. "Severe Aortopulmonary collaterals are associated with lower transplant-free survival". Presentation at 103rd annual meeting of the American Association of Thoracic Surgeons, May 6-9, 2023, Los Angeles, CA.
41. Ragheb D, Bruno A, Janssen D, **Bichell D**. Growable shunt as novel therapy in children requiring aortopulmonary shunt for a protracted period of time (Abstract ID: 101), presentation at 70th annual meeting of the Southern Thoracic Surgical association, November 2-5, 2023, Orlando FL.
42. Wang CW, Garcia JD, Nicholson G, Bichell D. Longevity of homograft conduits for infant right ventricular outflow tract reconstruction in the modern era, Presentation at the Western Thoracic Surgical Society 51st Annual Meeting June 26, 2025, Dana Point, CA.

Invited Lectures: Regional, National, and International

1. "Multiple Ventricular Septal Defects: Which VSD should be Left for the Surgeon"? Frontiers in Diagnosis and Management of Congenital Heart Disease, Boston, Massachusetts, April 30- May 2, 1998
2. "Pacemakers", California Society of Pediatric Cardiology Annual Meeting, Del Mar, California, September 1999
3. "Advances in Congenital Cardiovascular Surgery", Grand Rounds, Mercy Hospital, San Diego, California, May, 2000
4. "Advances in Congenital Cardiovascular Surgery", Grand Rounds, Children's Hospital San Diego, San Diego, California, February 15, 2002
5. "Single Ventricle Physiology", Balboa Naval Hospital, Department of Pediatrics, San Diego, California, April 22, 2003
6. "Vascular Rings", ENT Division lecture series, Children's Hospital San Diego, June 13, 2003
7. "Management of Hypoplastic Left Heart Syndrome and Cardiac Transplantation", III Congreso Internacional de Terapia Intensiva Pediatrica, Monterrey, Mexico, June 21-25, 2004
8. "Advances in congenital heart surgery", Kaiser Long Beach, Sept 10 2004, Long Beach CA
9. "Homografts in Infants and Children", Congenital Cardiovascular Surgery Symposium, San Diego, California, October 15, 2004
10. "Advances in Neonatal Cardiothoracic Surgery", 2004 Neonatal-perinatal symposium, Long Beach California, September 10, 2004
11. "Practical neonatal cardiology: What you really need to know?", The Fetus & Newborn: State of the Art Care Conference, La Jolla, California, October 20, 2004
12. "Right ventricle to pulmonary artery conduits: Alternatives to the homograft", Vanderbilt University, Nashville, Tennessee, March 4, 2005
13. "Management strategies for pulmonary hypertension", Mexican Society of Cardiac Surgery XIV International Congress, Monterrey, Mexico, March 31, 2005
14. "Right ventricle to pulmonary artery conduits", Mexican Society of Cardiac Surgery XIV International Congress, Monterrey, Mexico, March 31, 2005
15. "Long term outcome following the surgical closure of atrial septal defect", PICS IX/ENTICHS 2005, Buenos Aires, Argentina, September 16, 2005

16. "Critical aortic valve stenosis in the neonate: Surgery should be the first option", SCAI 29th Annual Scientific Sessions, Chicago, IL, May 11, 2006
17. "Challenges in the treatment of complex pulmonary artery problems", Mary Bridge Children's Hospital, Tacoma WA, August 11, 2006
18. "Dealing with stents in the operating room", PICS 2006, Las Vegas, NV September 12, 2006
19. "Intraoperative stents", PICS 2006, Las Vegas, NV, September 13, 2006
20. "Adult congenital cardiac disease", American College of Surgeons 2006 Postgraduate review course, Chicago, IL, October 12, 2006
21. "Rehabilitation of pulmonary arteries in congenital heart disease". XLIII Congreso Chileno de Cardiología y Cirugía Cardiovascular, Vina del Mar, Chile November 30, 2006
22. "Primary repair of tetralogy of Fallot in infancy" Invited speaker, XLIII Congreso Chileno de Cardiología y Cirugía Cardiovascular, Vina del Mar, Chile November 30, 2006
23. "Advances in Cardiopulmonary Bypass: Optimizing the neurologic outcome after congenital heart surgery", XLIII Congreso Chileno de Cardiología y Cirugía Cardiovascular, Vina del Mar, Chile, November 29, 2006
24. "Evaluation of Adults with Congenital Heart Disease", STS/Tech-Com Program, Ft. Lauderdale, FL, January 27, 2008
25. "Current Management of Hypoplastic Left Heart Syndrome", Nashville Surgical Society, Nashville, TN, March 6, 2008
26. "Myocardial Protection: From Basic Science to Clinical Practice", Italian Society of Pediatric Cardiac Surgery Symposium Borgo di Tragliata, Rome, Italy, October 31, 2009
27. "Art and Surgery", 31st Annual Meeting of The American Academy of Cardiovascular Perfusion (AACP), Nashville, TN, January 30, 2010
28. "Thrombosis, infection, and central venous access in neonates undergoing congenital cardiac surgery", Cardiology 2011, 15th Annual Update on Pediatric and Congenital Cardiovascular Disease, Scottsdale, AZ. February 4, 2011
29. "The arch", Cardiology 2011, 15th Annual Update on Pediatric and Congenital Cardiovascular Disease, Scottsdale, AZ, February 6, 2011
30. "Congenital Cardiac Surgery in the Neonate: Surgical Outcomes in the Current Era", Fetal Echocardiography: An intensive review course, Montgomery Bell Park, Burns, TN, August 16-19, 2012
31. "Congenital Cardiac Surgery in the Neonate: Perioperative Considerations", Fetal Echocardiography: An intensive review course Montgomery Bell Park, Burns, TN, August 16-19, 2012
32. "Neonatal Heart Surgery: Advances in Diagnosis and Treatment", BACH CME lecture. Ft. Campbell, KY, March 14, 2013
33. Diagnostic and surgical management of coarctation of the aorta, Gateway Medical Center Perinatal-Neonatal Update lecture, Clarksville, TN, June 15, 2013
34. Congenital Cardiac Surgery in the Current Era, Cumberland Pediatric Foundation lecture, Nashville, TN, June 19, 2013
35. "Aortic Arch Anomalies and Tracheal Obstruction", Contemporary Management of Aerodigestive Disease in Children, Nashville, TN, October 9, 2013
36. "Near Infrared Spectroscopy in Infant Cardiac Surgery", Covidien invited lecture, Boulder CO, April 18, 2014
37. "Aortic Arch Anomalies and Tracheal Obstruction". Contemporary Management of Aerodigestive Disease in Children, Nashville, TN, November 8, 2014
38. "Lessons on the Way to Optimal Outcomes for Cardiac Children- Prenatal to Pre-adult", East Tennessee University Medical Center, Johnson City, TN March 25, 2015
39. "Aortic arch reconstruction", American College of Cardiology 65th Annual Scientific Sessions (ACC.16), Chicago, IL, April 2-4, 2016
40. "Management of Perfusion in HLHS - DHCA vs. Warm Antegrade and Distal Perfusion",

Congenital Postgraduate Course, 2017 AATS/ STS Congenital Heart Disease Symposium: Innovations and Controversies in the Surgical Management of Congenital Heart Disease, Boston, MA, April 30, 2017

41. What are we doing today to improve tomorrow: "Unbalanced atrioventricular septal defect", AATS/STS Congenital heart disease symposium: What are we doing today to improve tomorrow, AATS 98th Annual Meeting, San Diego, CA, April 29, 2018
42. "Pulmonary artery reconstruction with 'growable' aortopulmonary shunt", AATS Congenital Surgical Cinema, AATS 98th Annual Meeting, San Diego, CA, May 1, 2018
43. "Transannular patch or valve sparing or something in between", Path-echo correlations I: Tetralogy of Fallot, American Society of Echocardiography 29th annual scientific sessions, Nashville, TN, June 23, 2018
44. "Surgical approaches to unifocalization", Path-echo correlations II: Tetralogy of Fallot with pulmonary atresia and MAPCA, American Society of Echocardiography 29th annual scientific sessions, Nashville, TN, June 23, 2018
45. Path-echo correlations II: Tetralogy of Fallot: with pulmonary atresia and MAPCA, Case presentation and discussion. American Society of Echocardiography 29th annual scientific sessions, Nashville, TN, June 23, 2018
46. "Advances and challenges in congenital heart surgery", S. Bert Litwin Visiting Professor invited lectureship, Children's Wisconsin, Milwaukee, WI, October 20, 2023.
47. "Advances and challenges in congenital heart surgery", Pediatric Grand Rounds, Monroe Carell, Jr. Children's Hospital, Nashville, TN, October 31, 2023.
48. "Heart vs combined heart-liver transplant", AATS Global Grand Rounds Webinar, November 8, 2023.
49. "The Fontan Story: Next Chapter". Hassan Najafi Visiting Professor invited lectureship, Rush University, Chicago IL. June 18, 2025
50. "The Fontan: Single ventricle palliation into adulthood". Ann C, Morell visiting professor invited lectureship, East Tennessee State University, Johnson City TN, October 22, 2025.

Moderator or primary invited discussant at Scientific Meetings (partial list)

1. Program Director, Congenital Cardiovascular Surgery Symposium, San Diego, California, October 15-16, 2004
2. Late Breaking Clinical Trial Abstract Presentations, Congenital Session, 48th Society of Thoracic Surgeons Annual Meeting, Ft. Lauderdale, FL, January 30, 2011
3. Congenital Session II, 48th Society of Thoracic Surgeons Annual Meeting, Ft. Lauderdale, FL, January 31, 2011
4. Session on current controversies in congenital heart disease, 47th Annual Southeast Pediatric Cardiology Society (SPCS) Conference, Durham, NC, September 6, 2014
5. Session, American College of Cardiology 2015 (ACC.15), Scientific Sessions, San Diego, CA, March 14-16, 2015
6. Program Chair, Congenital Skills and "Hands on" Course, American Association for Thoracic Surgery (AATS) 2017 Annual Meeting, April 29, 2017, Boston, MA
7. Session chair, Path-echo correlations I: Tetralogy of Fallot, American Society of Echocardiography 29th annual scientific sessions, Nashville, TN, June 23, 2018
8. "Controlled reoxygenation during cardiopulmonary bypass induces anti-inflammatory and cardioprotective response in single ventricle patients undergoing pediatric heart surgery" (Massimo Caputo, presenter), Annual Meeting of the American Association for Thoracic Surgery, 94th Annual meeting, Toronto, Canada, April 30, 2014
9. "Long-term survival and freedom from reoperation following right ventricular outflow tract reconstruction using xenograft valves" (George Alfieri, presenter), Southern Thoracic Surgical Society 62nd Annual Meeting, Lake Buena Vista, FL, November 6, 2015
10. "Need for repair of partial and transitional atrioventricular septal defects during infancy is associated with increased risk of reoperation (Carlos Mery et al, Iki Adachi, presenter), AATS 98th Annual Meeting, San Diego, CA, May 1, 2018
11. "Nationwide Results of Complete Atrioventricular Septal Defects Over 25 Years: Overall and Event-Free Survival After Modified Single-Patch Repair Are Equivalent to Double Patch Repair",

- AATS 99th Annual Meeting, Toronto, Canada, May 4-7, 2019. J Thorac Cardiovasc Surg. 2020 Mar;159(3):1024-1025. doi: 10.1016/j.jtcvs.2019.08.007. Epub 2019 Oct 5.PMID: 31590955
12. "Re-operating internationally on Fallot's complex- A comedy of errors" Aubyn Marath, presenter) Congenital Heart Surgeons Society 47th Annual Meeting, Chicago, IL, October 27, 2019
 13. Session moderator, Congenital Masterclass- Part I: Pulmonary Artery Disease. AATS 105th Annual Meeting, Seattle WA, May 2, 2025.
 14. "Arterial switch operation into the third and fourth decades of life" (Tyson Fricke, presenter). Congenital Scientific Session, AATS 105th Annual Meeting, Seattle WA, May 2, 2025.