

## CURRICULUM VITAE

### Lucian A. Durham MD, PhD

Associate Professor  
Department of Surgery  
Division of Cardiothoracic

#### OFFICE ADDRESS:

Froedtert East Clinics  
9200 W Wisconsin Ave  
Milwaukee, WI 53226

#### EDUCATION:

08/1976 - 05/1980 B.S. Hampden-Sydney College, Hampden-Sydney, VA  
07/1980 - 06/1984 Ph.D. Medical College of Virginia, Richmond, VA  
07/1984 - 05/1988 M.D. Medical College of Virginia, Richmond, VA

#### POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/1988 - 06/1991 Resident, Department of Surgery, Baylor College of Medicine, Houston, TX  
07/1991 - 06/1994 Resident, Department of Surgery, University of Colorado, Denver, CO  
07/1994 - 06/1996 Resident, Section of Thoracic Surgery, University of Michigan, Ann Arbor, MI  
07/1996 - 06/1997 Fellow, Pediatric Cardiovascular Surgery, University of Michigan, Ann Arbor, MI

#### MILITARY SERVICE:

01/1991 - 05/1997 U.S. Navy (Reserve)

#### FACULTY APPOINTMENTS:

07/1997 - 06/1999 Assistant Professor of Surgery and Pediatrics - University of Rochester Medical Center, Rochester, New York  
07/1999 - 12/2000 Assistant Professor of Surgery and Pediatrics / Director, Pediatric Cardiovascular Surgery, Medical College of Virginia/Virginia Commonwealth University, Richmond, Virginia  
08/2003 - 03/2012 Associate Surgeon, Instructor- Department of Surgery Cardiovascular Surgery, Mayo Clinic, Rochester, Minnesota  
03/25/2012 - 12/31/2017 Driscoll Children's Hospital, Corpus Christi, Surgery, Pediatric Cardiovascular Surgery, TX, Corpus Christi, TX 78404  
03/2012 - 12/2017 Director- Pediatric Cardiovascular Surgery & ECMO, Driscoll Children's Hospital, Corpus Christi, TX 78404  
03/2012 - 12/2017 Partner, J. Mark Morales, MD, PA, Corpus Christi, TX  
07/2013 - 06/2015 Vice Chair- Department of Surgery, Driscoll Children's Hospital, Corpus Christi, TX 78404  
01/2018 - Present Associate Professor - Department of Surgery, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI 53226

#### ADMINISTRATIVE APPOINTMENTS:

03/2012 - 12/2017 Director, Pediatric Cardiovascular Surgery & ECMO, Driscoll Children's Hospital, Corpus Christi, TX 78404  
03/2012 - 12/2017 Partner, J. Mark Morales, MD, PA, Corpus Christi, TX  
07/2013 - 06/2015 Vice Chair- Department of Surgery, Surgery, Driscoll Children's Hospital, Corpus Christi, TX 78404  
04/2016 - 05/2018 Board of Directors, Ronald McDonald House Charities, Corpus Christi, TN 78404  
01/2018 - Present Medical Director, Wisconsin Donor Network

**HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

05/2019 - Present Medical Director, Mechanical Circulatory Support (MCS) & Extracorporeal Membrane Oxygenation (ECMO)

**RESEARCH ADMINISTRATIVE APPOINTMENTS:**

10/2018 - Present Principle Investigator; OCS TOP Registry, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI 53226  
 10/2018 - Present Principle Investigator; OCS EXPAND II Trial, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI 53226  
 07/2019 - Present Principle Investigator; OCS Heart Registry Registry, Surgery, Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI 53226

**HOSPITAL STAFF PRIVILEGES:**

03/2018 - Present Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

**SPECIALTY BOARDS AND CERTIFICATION:**

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
HeartMate III Training	Abbott	02/2018	None
OCS Lung Preservation	TransMedics	10/2018	None
HVAD System Training	Medtronic	12/2018	None
TAH-Surgical Skills	SynCardia	05/2019	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Texas Medical Board	H7554	08/1701	08/31/2020
Commonwealth of Virginia	0101223434	10/05/1999	05/31/2020
State of Wisconsin	68603-20	01/20/2018	10/31/2019
State of Minnesota	46509	06/01/2019	05/31/2020

**MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

International Society for Heart and Lung Transplantation  
 World Society for Pediatric and Congenital Heart Surgery (Founding Member)  
 European Association for Cardiothoracic Surgery (EACTS)  
 American Society for Artificial Internal Organs (ASAIO)  
 John Alexander Society - University of Michigan  
 European Association for Cardiothoracic Surgery (EACTS)  
 International Society for Heart and Lung Transplantation  
 World Society for Pediatric and Congenital Heart Surgery Extracorporeal Life Support Organization (Founding Member)  
 American Society for Artificial Internal Organs (ASAIO)  
 John Alexander Society University of Michigan  
 Extracorporeal Life Support Organization

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:****Active****Non-Peer Review**

Title: TandemHeart® Experiences and Methods THEME Registry™ Protocol  
 Source: Cardiac Assist, Inc. d/b/a TandemLife  
 Role & Effort: Sub-Investigator  
 Dates: - 2018

Title: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ

<p>Role &amp; Effort: Dates:</p>	<p>Care System (OCS™) Lung System for Recruiting, Preserving and Assessing Non-Ideal Donor Lungs for Transplantation (EXPAND II Trial) Principal Investigator - 2019</p>
<p>Title:</p>	<p>Continued Access Protocol to collect additional evidence to evaluate the Safety and Effectiveness of The Portable Organ Care System (OCS™) Heart For Preserving and Assessing Expanded Criteria Donor Hearts for Transplantation (Heart EXPAND CAP)</p>
<p>Role &amp; Effort: Dates:</p>	<p>Principal Investigator - 2019</p>
<p>Title:</p>	<p>SynCardia 50cc Temporary Total Artificial Heart (TAH-t) as a Bridge to Transplant (BTT)</p>
<p>Source: Role &amp; Effort: Dates:</p>	<p>SynCardia Systems, LLC Sub-Investigator - 2018</p>
<p>Title:</p>	<p>Quantification of Cell Free DNA to Determine Rejection Following Lung Transplantation - Pilot Study</p>
<p>Role &amp; Effort: Dates:</p>	<p>Sub-Investigator - 2018</p>
<p>Title:</p>	<p>SynCardia 70cc Temporary Total Artificial Heart (TAH-t) for Destination Therapy (DT) Study.</p>
<p>Source: Role &amp; Effort: Dates:</p>	<p>SynCardia Systems, LLC Sub-Investigator - 2018</p>
<p>Title:</p>	<p>The Organ Care System (OCS™) Lung Thoracic Perfusion (TOP) Post-Approval Study PAS) Registry - OCS™ Lung TOP PAS Registry</p>
<p>Role &amp; Effort: Dates:</p>	<p>Principal Investigator - 2018</p>

**Prior**

**Non-Peer Review**

<p>Title: Source: Role &amp; Effort: Dates:</p>	<p>Ventracor BTT/ Destination Study Mayo Clinic Co-Principal Investigator 2006 - 2008</p>
<p>Title:</p>	<p>HeartMate II - Destination Study &amp; Jarvik BTT Study</p>
<p>Source: Role &amp; Effort: Dates:</p>	<p>Mayo Clinic Co-Principal Investigator 2006 - 2012</p>

Title: DuraHeart BTT Trail  
Source: Mayo Clinic  
Role & Effort: Co-Principal Investigator  
Dates: 2008 - Present

#### **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

##### **International**

- LA Durham, 4th World Congress of Pediatric Cardiology & Cardiac Surgery: Abstract Presentation, Buenos Aires, Argentina, 2005.
- LA Durham, Bleeding & thrombosis in Mechanical Circulatory Support: Lecture, Vienna, Austria, 2008.
- LA Durham, Brain natriuretic peptide helps to optimize management of patients supported by continuous flow left ventricular assist devices. International Society for Heart & Lung Transplantation: Poster and Lec, Paris, France 2009.
- LA Durham, Mitral annular growth in children following early mechanical mitral valve replacement. 5th World Congress of Pediatric Cardiology & Cardiac Surgery: Abstract Presentation, Cairns, Australia, 2009.
- LA Durham, 3rd International Symposium of Mechanical Circulatory Support for the Treatment of Acute and Chronic Heart Failure. Barcelona, Spain 2010.
- LA Durham, Pediatric Mechanical Circulatory Support, Winter School Lecturer, European Association for Cardio-Thoracic Surgery Catania, Sicily, Italy 2011.
- LA Durham, Transcarotid Cannulation for Mechanical Circulatory Support in Cardiogenic Shock. Gordon Research Conference. Barcelona, Spain 2019
- LA Durham, World Society of Cardiothoracic Surgery: Abstract Presentation, Kos, Greece 2008.

##### **National**

- LA Durham, Graduate Student Presentation, Southeastern Section, Society for Experimental Biology and Medicine, Augusta, Georgia, 1988.
- LA Durham, Resident Fellow Manuscript Presentation, South Texas Chapter, American College of Surgeons, Galveston, Texas 1991.
- LA Durham, Ross procedure with aortic root tailoring for aortic valve replacement in the pediatric population. Society of Thoracic Surgeons, San Diego, CA 1996.
- LA Durham, Techniques and results in the management of multiple ventricular septal defects. American Association for Thoracic Surgery: Poster Presentation. Boston, MA, 1997.
- LA Durham, Emerging Technologies in Extracellular Matrix Application: lecture, San Antonio, Texas, 2008.
- LA Durham, 5th International Conference on Pediatric Mechanical Circulatory Support: Abstract Presentation, Dallas, Texas, 2009.

##### **Local**

- LA Durham, MCW Surgery Grand Rounds - Knowledge Saving Life. Milwaukee, WI 2018.

#### **PROGRAMMATIC DEVELOPMENTS:**

##### **Clinical Programs**

- 07/2018 - Present Extracorporeal membrane oxygenation (ECMO) Service Line

#### **BIBLIOGRAPHY**

##### **Refereed Journal Publications/Original Papers**

1. Durham LA, Grogan WM. Temperature sensitivity of cholesteryl ester hydrolases in the rat testis. *Lipids*. 1982 Dec;17(12):970-5.
2. Liberti JP, Durham LA. Bovine growth hormone fragment (1-133) has in-vitro somatomedin-like activity. *J*

- Endocrinol. 1983 Feb;96(2):195-9.
3. Durham LA, Grogan WM. Characterization of multiple forms of cholesteryl ester hydrolase in the rat testis. *J Biol Chem.* 1984 Jun 25;259(12):7433-8.
  4. DePalma RL, Krummel TM, Nelson JM, Durham LA, Michna BJ, Diegelmann RF, Cohen IK. Fetal wound matrix is composed of proteoglycan rather than collagen. *Surg. Forum*, 1987; 38:626-628.
  5. Krummel TM, Erlich HP, Nelson JM, Michna BA, Thomas BL, Durham LA, Cohen IK, Diegelmann RF. Fetal wounds do not contact in utero. *Develop Biol* 1989.
  6. DePalma RL, Krummel TM, Durham LA, Michna BA, Thomas BL, Nelson JM, Diegelmann RF. Characterization and quantitation of wound matrix in the fetal rabbit. *Matrix.* 1989 Jun;9(3):224-31.
  7. Durham LA, Krummel TM, Cawthorn JW, Thomas BL, Diegelmann RF. Analysis of transforming growth factor beta receptor binding in embryonic, fetal, and adult rabbit fibroblasts. *J Pediatr Surg.* 1989 Aug;24(8):784-8.
  8. Durham LA. Emergency thoracotomy for cardiac and other thoracic trauma. *Cardiac Chronicle*, 1991; 5(10):1-5.
  9. Durham LA, Lawrie GM. Regional blood flow in latissimus dorsi muscle for cardiomyopathy. *J Am Coll Cardiol*, 1992.
  10. Durham LA, Richardson RJ, Wall MJ Jr, Pepe PE, Mattox KL. Emergency center thoracotomy: impact of prehospital resuscitation. *J Trauma.* 1992 Jun;32(6):775-9.
  11. Durham LA, des Jardins SE, Mosca RS, Bove EL. Ross procedure with aortic root tailoring for aortic valve replacement in the pediatric population. *Ann Thorac Surg.* 1997 Aug;64(2):482-6.
  12. Durham LA, Mendelsohn AM. Atrial septal defects: surgical and transcatheter management. *Children's Health Information Network*, 1998 (online article), [www.tchin.org](http://www.tchin.org)
  13. Kitagawa T, Durham LA, Mosca RS, Bove EL. Techniques and results in the management of multiple ventricular septal defects. *J Thorac Cardiovasc Surg.* 1998 Apr;115(4):848-56.
  14. Reiter K, Becker A, Dohlemann C, Durham LA, Nicolai T. Large systemic-to-pulmonary collateral arteries without major cardiac malformation in a patient with Noonan's Syndrome. *J Pediatr Cardiol Communication* 2000.
  15. Boilson B, Durham L, Kushwaha S, Joyce L, Park S. Review of Left Ventricular Assist Devices in current practice. *Anesthesia (invited manuscript)* 2009.
  16. Sareyyupoglu B, Boilson BA, Durham LA, McGregor CGA, Daly RC, Redfield MM, Edwards BS, Frantz RP, Pereira NL, Park SJ. Brain natriuretic peptide helps to optimize management of patients supported by continuous flow left ventricular assist devices. *J Heart Lung Transplant* 2009 Feb; 28(2 Suppl S): S85-6.
  17. Boilson BA, Schirger JA, Sareyyupoglu B, Kushwaha SS, Penev I, McGregor CG, Daly RC, Durham LA, Edwards BS, Park SJ. Predictors of improvement in right ventricular function after placement of a left ventricular assist device. *J Am Coll Cardiol* 2009 Mar; 53(10 Suppl 1): A164.
  18. Durham LA, Burkhart HM, Dearani JA, Puga FJ, O'Leary PW, Schaff HV. Mitral annular growth in children following early mechanical mitral valve replacement. *World J. Pediatr. Congenital Heart Surg.* 2010. 1(2): 177-81.
  19. McKellar SH, Durham LA, Scott JP, Cassivi SD. Successful lung transplant from donor after cardiac death: a potential solution to shortage of thoracic organs. *Mayo Clin Proc.* 2010 Feb;85(2):150-2. PMID: 2813823.
  20. Durham LA, Burkhart HM, Dearani JA, Puga FJ, O'Leary PW, Schaff HV. Mitral annular growth in children following early mechanical mitral valve replacement. *World J Pediatr Congenit Heart Surg.* 2010 Jul;1(2):177-81.
  21. Sareyyupoglu B, Boilson BA, Durham LA, McGregor CG, Daly RC, Redfield MM, Edwards BS, Frantz RP, Pereira NL, Park SJ. B-type natriuretic peptide levels and continuous-flow left ventricular assist devices. *ASAIO J.* 2010 Nov-Dec;56(6):527-31.
  22. Durham LA, Dearani JA, Burkhart HM, Joyce LD, Cetta F Jr, Cabalka AK, Phillips SD, Sundareswaran K, Farrar D, Park SJ. Application of Computer Modeling in Systemic VAD Support of Failing Fontan Physiology. *World J Pediatr Congenit Heart Surg.* 2011 Apr;2(2):243-8.
  23. Boilson BA, Schirger JA, Durham LA, Friedman PA, Joyce LD, Park SJ, Daly RC, Kushwaha SS. Cardiac resynchronization therapy does not confer additional benefit after implantation of a left ventricular assist device. *J Heart Lung Transplant.* 2012 Apr; 31(4): S262-3.
  24. Deo SV, Hasin T, Altarabsheh SE, McKellar SH, Shah IK, Durham LA, Stulak JM, Daly RC, Park SJ, Joyce LD. Concomitant tricuspid valve repair or replacement during left ventricular assist device implant demonstrates comparable outcomes in the long term. *J Card Surg.* 2012 Nov; 27(6):760-6.

25. Boilson BA, Schirger JA, Durham LA, Friedman PA, Joyce LD, Park SJ, Daly RC, Kushwaha SS. Cardiac resynchronization therapy does not confer additional benefit after implantation of a left ventricular assist device. *J Heart Lung Transplant*. 2012 Apr; 31(4): S262-3.
26. Boilson BA, Durham LA, Park SJ. Ventricular fibrillation in an ambulatory patient supported by a left ventricular assist device: highlighting the ICD controversy. *ASAIO J*. 2012 Mar-Apr;58(2):170-3.
27. Maltais S, Topilsky Y, Tchanchaleishvili V, McKellar SH, Durham LA, Joyce LD, Daly RC, Park SJ. Surgical treatment of tricuspid valve insufficiency promotes early reverse remodeling in patients with axial-flow left ventricular assist devices. *J Thorac Cardiovasc Surg*. 2012 Jun;143(6):1370-6.
28. Sharma V, Deo SV, Stulak JM, Durham LA, Daly RC, Park SJ, Baddour LM, Mehra K, Joyce LD. Driveline infections in left ventricular assist devices: implications for destination therapy. *Ann Thorac Surg*. 2012 Nov;94(5):1381-6.
29. Raju V, Burkhardt HM, Durham LA, Eidem BW, Phillips SD, Li Z, Schaff HV, Dearani JA. Reoperation after arterial switch: a 27-year experience. *Ann Thorac Surg*. 2013 Jun;95(6):2105-12; discussion 2112-3.
30. McKellar SH, Deo S, Daly RC, Durham LA, Joyce LD, Stulak JM, Park SJ. Durability of central aortic valve closure in patients with continuous flow left ventricular assist devices. *J Thorac Cardiovasc Surg*. 2014 Jan;147(1):344-8.
31. Deo SV, Sharma V, Altarabsheh SE, Hasin T, Dillon J, Shah IK, Durham LA, Stulak JM, Daly RC, Joyce LD, Park SJ. Hepatic and renal function with successful long-term support on a continuous flow left ventricular assist device. *Heart Lung Circ*. 2014 Mar;23(3):229-33.
32. Maltais S, Durham LA, Daly FC, Joyce LD, Schaff HV, Dearani JA, Kushwaha SS, Topilsky Y, Park SJ. Management of severe ischemic cardiomyopathy: left ventricular assist Device as destination therapy vs conventional bypass and mitral valve surgery. *J Thorac Cardiovasc Surg* 2014 Apr,147(4):1246-50 Epub 2013. PMID: 23764411.
33. Ghaleb S, Odumusi K, Abbas U, Adepoju O, Durham LA, Brownlee J. Restricted antegrade pulmonary blood flow maintained after Bidirectional Glenn: An institutional experience. *J. Pediatr*. Accepted for publication 2015.
34. Kaur R, Bhurtel D, Morales J, Bielefeld M, Durham L. Cryopreserved saphenous vein compared with PTFE graft for use as Modified Blalock-Taussig or central shunt in cyanotic congenital heart disease. *World J. Pediatr. Congenital Heart Surg*. 2018 Sep;9(5):509-512. PMID 23992754
35. Ghaleb S, Gourabathini H, Bielefeld M, Morales J, Durham LA. Rapidly involuting cutaneous hemangioma (RICH) of the lung in a neonate: case report and review of the literature. *Ann. Thorac Surg*. Submitted.
36. Hill GED, Traudty RJ, Durham LA, Pagel PS, Tawil JN. Successful treatment of refractory status asthmaticus accompanied by right ventricular dysfunction using a Protek Duo Tandem Heart Device. *J Cardiothoracic Vasc Anesth*. 2019 Mar;18. PMID 31076305

### **Books, Chapters, and Reviews**

1. Durham LA. Congenital Heart Disease in Principles of Surgery. Companion Handbook 7th Edition. Schwartz SI, Shires GT, Spencer FC, ed. 1998.
2. Mendolsohn A, Durham LA, Vermillion R. Congenital Heart Defects. Textbook of Pediatrics, 5th ed. Hoekelman, ed. 1999.
3. Durham LA. Congenital Heart Disease in Principles of Surgery. Companion Handbook 7th Edition. Schwartz SI, Shires GT, Spencer FC, ed. 1998.
4. Mendolsohn A, Durham LA, Vermillion R. Congenital Heart Defects. Textbook of Pediatrics, 5th ed. Hoekelman, ed. 1999.
5. Joyce LD, Joyce DL, Durham LA. Berlin Heart. 2nd ed. Mechanical Circulatory Support, In press 2019

### **Abstracts**

1. Durham LA, Liberti JP. Somatomedin-like activity of bovine growth hormone fragment. *Virginia Academy of Sciences Bulletin*, 1981; 1-133.
2. Grogan WM, Durham LA. Temperature dependency of testicular cholesteryl ester hydrolases. *Fed. Proc*, 1982; 41:678.
3. Durham LA, Grogan WM. Temperature sensitivity of cholesteryl ester hydrolases in the rat testis. *Soc. Exp. Biol. Med. Abstr*, 1982; 7:9.
4. DePalma RL, Krummel TM, Nelson JM, Durham LA, Michna BJ, Diegelmann RF, Cohen IK. Fetal wound matrix is composed of proteoglycan rather than collagen. *Surg. Forum*, 1987; 38:626-628.
5. Michna BJ, Durham LV, Krummel TM, Cohen IK, Diegelmann RF. Fetal rabbit wounds expand in utero. *Ped Surg Res Conf*, 1987.

6. Thomas BL, Durham LA, Krummel TM, Brooks JW, Salzberg AS. Tracheobronchial foreign bodies in children. Southern Thoracic Society, 1988.
7. Durham LA, Krummel TM, Thomas BL, Cawthorn JW, Deigelmann RF. Flow cytometric analysis of TGF- $\beta$  binding to embryonic, fetal, and adult rabbit fibroblasts. Surgical Section, American Association of Pediatrics, 1988.
8. Durham LA, Thomas BL, Krummel TM. Effects of TGF- $\beta$  on fetal and adult rabbit fibroblasts in vitro. South Texas Chapter, American College of Surgeons, Temple, Texas, 1989.
9. Durham LA, Richardson RW, Mattox KL. Emergency Center Thoracotomy: a six year review. South Texas Chapter, American College of Surgeons, Galveston, Texas, 1991.
10. Durham LA, Lawrie GM. Regional blood flow in latissimus dorsi muscle for cardiomyopathy. J Am Coll Cardiol, 1992.
11. Meagher CC, Durham LA, Ludomirsky A, Weinhouse E, Bove EL, Dick M. Fever, rash, leukocytosis, anemia: unusual presentation of a left ventricular mass in a seven-month-old infant. American Heart Association, 1996.
12. Durham LA, Des Jardins SM, Mosca RS, Bove EL. Aortic root tailoring combined with the Ross procedure for aortic valve replacement in the pediatric population. Society of Thoracic Surgery, 1996.
13. Kitagawa T, Durham LA, Mosca RS, Bove EL. Techniques and results in the management of multiple ventricular septal defects. Am Assoc for Thoracic Surg 1997.
14. Boston U, Durham LA, Dearani JA, Puga F, Schaff HV, Driscoll D. Early mitral valve replacement does not prevent somatic growth of the annulus in children. 4th World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina, 2005.
15. Durham, LA, Daly, RC, McGregor, CGA, Boilson, BA, Schirger, JA, Edwards, BS, Kushwaha, SS, Clavell, AL, Park, SJ. Bridge-to-Transplant (BTT) Patients Supported with Non-Pulsatile Ventricular Assist Devices: All LVADs Are Not Created Equal, International Society for Heart & Lung Transplantation Annual Meeting, Paris, April 2009.
16. Boilson, BA, Schirger, JA, Penev, I, Kushwaha, SS, McGregor, CGA, Daly, RC, Durham, LA, Edwards, BS, Park, SJ. Predictors of Improvement in Right Ventricular Function after Placement of a Left Ventricular Assist Device. International Society for Heart & Lung Transplantation Annual Meeting, Paris, April 2009.
17. Sareyyupoglu, B, Boilson, BA, Durham, LA, McGregor, CGA, Daly, RC, Redfield, MM, Edwards, BS, Frantz, RP, Pereira, NL, Park, SJ. Brain Natriuretic Peptide helps to optimize management of patients supported by continuous flow Left Ventricular Assist Devices. International Society for Heart & Lung Transplantation Annual Meeting, Paris, April 2009
18. Boilson, BA, Schirger, JA, Sareyyupoglu, B, Penev, I, McGregor, CGA, Durham, LA, Daly, RC, Edwards, BS, Park, SJ. Physiological changes following placement of continuous and pulsatile flow Left Ventricular Assist Devices. International Society for Heart & Lung Transplantation Annual Meeting, Paris, April 2009.
19. Durham, LA, Burkhart, HM, Dearani, JA, Cetta, F, Phillips, SD, Sundareswaran, K, Park, SJ. Application of Lumped Parameter Modeling of Systemic VAD Support in Failing Fontan Physiology. 5th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion, Dallas, Texas 2009.
20. Boilson, BA, Schirger, JA, Penev, I, Kushwaha, SS, McGregor, CGA, Durham, LA, Edwards, BS, Park, SJ. Transformation of LVAD destination therapy, "Good to Great: ever increasing survival benefit. Circulation 2009 Nov 3; 120 (Suppl 2): S844.
21. Sundareswaran, K, Durham, LA, Farrar, D, Park, SJ. Can Adult Single Ventricle Heart Failure Patients Benefit from Systemic VAD Support? Simulations with a Computer Model. Am. Society for Artificial Internal Organs, Dallas, Texas, May 2009
22. Durham, LA, Burkhart, HM, Dearani, JA, Puga, FJ, O'Leary, PW, Schaff, HV. Does the Mitral Annulus Grow in Children Following Early Mechanical Mitral Valve Replacement? 5th World Congress of Pediatric Cardiology and Cardiac Surgery, Cairns, Australia, June 2009
23. McKeller, SH, Durham, LA, Scott, JP, and Cassivi, SD. Successful Lung Transplantation from Donation after Cardiac Death- a Potential Solution to the Shortage of Thoracic Organs. Mayo Proceedings 2009
24. Durham, LA, Burkhart, HM, Dearani, JA, Joyce, LD, Cetta, F, Phillips, SD, Sundareswaran, K, Farrar, D., Park, SJ. Computer modeling of systemic VAD support in failing single ventricle physiology. International Symposium on Mechanical Circulatory Support. Barcelona, Spain 2010.
25. Maltais, S, Durham, LA, Daly, RC, Joyce, LD, Schaff, HV, Dearani, JA, Kushwaha, SS, Topilsky, Y, and Park, SJ. Management of Extremely ill Patients with Severe Ischemic Cardiomyopathy: Left

- Ventricular Assist Device as Destination Therapy vs Conventional Bypass and Mitral Valve Surgery. Society for Heart Valve Disease, Barcelona 2011
26. Deo S, Joyce LD, Park SJ, Daly RJ, McKellar SH, Hasin T, Stulak JM, Altarabsheh S, Durham LA. Tricuspid Valve Surgery during Implant of a Left Ventricular Assist Device: Our Experience Poster presentation at ASAIO 2012. 2012.
  27. Boilson BA, Schirger JA, Durham LC, Friedman PA, Joyce LD, Park SJ, Daly RC, Kushwaha SS. Cardiac resynchronization therapy does not confer additional benefit after implantation of a left ventricular assist device. *J Heart Lung Transplant*. 2012 Apr; 31(4):S262-3.
  28. Maltais S, Durham LA, Daly FC, Joyce LD, Schaff HV, Dearani JA, Kushwaha SS, Topilsky Y, Park SJ. Assist Device as Destination Therapy vs Conventional Bypass and Mitral Valve Surgery. *J Heart Lung Transplant*, in press.
  29. Ghaleb, S, Odumusi, K, Abbas, U, Adepoju, O, Durham, L, Brownlee, J. Restricted antegrade pulmonary blood flow maintained after Bidirectional Glenn: An institutional experience. Am. Assoc. Pediatr. Poster 2014.
  30. Kaur, R., Bhurtel, D., Morales, J., Bielefeld, M., Durham, L. Comparison of cryopreserved saphenous vein and PTFE for use as Modified Blalock-Taussig or central shunt in congenital heart disease. Am. Assoc. Pediatr. Presentation 2014 National Meeting.
  31. Durham LA, Liberti JP. Somatomedin-like activity of bovine growth hormone fragment. *Virginia Academy of Sciences Bulletin*, 1981; 1-133.
  32. Grogan WM, Durham LA. Temperature dependency of testicular cholesteryl ester hydrolases. *Fed. Proc*, 1982; 41:678.
  33. Durham LA, Grogan WM. Temperature sensitivity of cholesteryl ester hydrolases in the rat testis. *Soc. Exp. Biol. Med. Abstr*, 1982; 7:9.
  34. DePalma RL, Krummel TM, Nelson JM, Durham LA, Michna BJ, Diegelmann RF, Cohen IK. Fetal wound matrix is composed of proteoglycan rather than collagen. *Surg. Forum*, 1987; 38:626-628.
  35. Michna BJ, Durham LA, Krummel TM, Cohen IK, Diegelmann RF. Fetal rabbit wounds expand in utero. *Ped Surg Res Conf*, 1987.
  36. Durham LA, Krummel TM, Thomas BL, Cawthorn JW, Deigelmann RF. Flow cytometric analysis of TGF- $\beta$  binding to embryonic, fetal, and adult rabbit fibroblasts. *Surgical Section, American Association of Pediatrics*, 1988.
  37. Thomas BL, Durham LA, Krummel TM, Brooks JW, Salzberg AS. Tracheobronchial foreign bodies in children. *Southern Thoracic Society*, 1988.
  38. Durham LA, Thomas BL, Krummel TM. Effects of TGF- $\beta$  on fetal and adult rabbit fibroblasts in vitro. *South Texas Chapter, American College of Surgeons, Temple, Texas*, 1989.
  39. Durham LA, Richardson RW, Mattox KL. Emergency Center Thoracotomy: a six-year review. *South Texas Chapter, American College of Surgeons, Galveston, Texas*, 1991.
  40. Durham LA, des Jardins SM, Mosca RS, Bove EL. Aortic root tailoring combined with the Ross procedure for aortic valve replacement in the pediatric population. *Society of Thoracic Surgery*, 1996.
  41. Meagher CC, Durham LA, Ludomirsky A, Weinhouse E, Bove EL, Dick M. Fever, rash, leukocytosis, anemia: unusual presentation of a left ventricular mass in a seven-month-old infant. *American Heart Association*, 1996.
  42. Kitagawa T, Durham LA, Mosca RS, Bove EL. Techniques and results in the management of multiple ventricular septal defects. *Am Assoc for Thoracic Surg* 1997.
  43. Boston U, Durham LA, Dearani JA, Puga F, Schaff HV, Driscoll D. Early mitral valve replacement does not prevent somatic growth of the annulus in children. *4th World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina*, 2005.
  44. Durham LA, Burkhart HM, Dearani JA, Cetta F, Phillips SD, Sundareswaran K, Park SJ. Application of Lumped Parameter Modeling of Systemic VAD Support in Failing Fontan Physiology. *5th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion, Dallas, Texas* 2009.
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