

CURRICULUM VITAE
Revised 8/25/17

Personal Data: James D. St. Louis, M.D.

Professional Address: Ward Family Heart Center
Children's Mercy Hospital
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Kansas City, MO 64108
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Education: B.S. 1986, Magna Cum Laude
Merrimack College
North Andover, Massachusetts

M.D. 1992, Kober Scholar (rank 1 of 210)
Georgetown University School of Medicine
Washington D.C.

Post Doctoral Training: General Surgery Intern and Resident, 1992-1999
Duke University Medical Center
Durham, North Carolina

NIH Surgical Research Scholar, 1994-1996
Duke University Medical Center
Durham, North Carolina

Cardiothoracic Resident, 1999-2001
Duke University Medical Center
Durham, North Carolina

Pediatric and Neonatal Cardiac Surgery Fellow, 2001-2002
Children's Mercy Hospital
Kansas City, Missouri

Academic Appointments: Assistant Professor of Surgery, 2002-2003
Brown University Medical School
Providence, Rhode Island

Assistant Professor of Surgery, 2003-2008
Medical College of Georgia
Augusta, Georgia

Aldo R. Castaneda Associate Professor of Surgery, 2008-2014
University of Minnesota
Minneapolis, Minnesota

Associate Professor of Pediatrics, 2008-2014
University of Minnesota
Minneapolis, Minnesota

**Adjunct Associate Professor of Pediatrics, 2009-Present
Sanford USD Medical Center
Sioux Falls, South Dakota**

**Professor, Department of Surgery, 2014-Present
University of Missouri- Kansas City School of Medicine
Kansas City, Missouri**

Academic Administrative Appointments:

**Surgical Director, Pediatric Cardiac Transplantation
University of Missouri- Kansas City School of Medicine
Kansas City, Missouri**

**Director, The Heart Center
University of Minnesota Amplatz Children's Hospital
Minneapolis, Minnesota**

**Director, Pediatric Cardiac Surgery
University of Minnesota Amplatz Children's Hospital
Minneapolis, Minnesota**

**Director, Pediatric Cardiac Transplantation
University of Minnesota Amplatz Children's Hospital
Minneapolis, Minnesota**

**Director, ECMO Program
University of Minnesota Amplatz Children's Hospital
Minneapolis, Minnesota**

**Member, Transplant Strategy Council
University of Minnesota Medical Center
Minneapolis, Minnesota**

**Co-Director, Pediatric Cardiac Care Consortium
University of Minnesota Amplatz Children's Hospital
Minneapolis, Minnesota**

Clinical/Hospital Appointments:

**Staff Physician, University of Minnesota Medical Center, Fairview
Minneapolis, Minnesota**

**Staff Physician, University of Minnesota Amplatz Children's
Hospital
Minneapolis, Minnesota**

**Staff Physician, Hennepin County Medical Center
Minneapolis, Minnesota**

**Staff Physician, Sanford Children's Hospital,
Sioux Falls South Dakota**

**Staff Physician, Children's Mercy Hospital and Clinics
Kansas City, Missouri**

Certification and Licensure:

North Carolina 55299, 1994-2005

Rhode Island 10749, 2002-2004

Georgia 2003-present

Minnesota 50456, 2007-present

Oklahoma 2009-present

Missouri 2014-present

American Board of Surgery: 2000 (Expired)

American Board of Thoracic Surgery (6732): 2002. 2012

American Board of Thoracic Surgery,

Congenital Heart Surgery (157):2013

Honors and Awards:

Junior Alpha Omega Alpha, Georgetown School of Medicine, 1991

**Kober Medal (Class rank 1 of 210), Georgetown School of Medicine,
1992**

**Cahill Award, Outstanding Surgical Student, Georgetown School of
Medicine, 1992**

**Upjohn Achievement Award for Research, Georgetown School of
Medicine, 1992**

Egypt Society of Cardiology Medal of Honor, 1996

Endowed Chairs

Aldo R.Castaneda Endowed Chair in Pediatric Cardiac Surgery (2007-2014)

Joseph Boon Gregg Endowed Chair in Pediatric Cardiac Surgery (2014-Present)

Memberships and Offices in Professional Societies:

American College of Surgeon

European Congenital Heart Surgeons Association

Sigma Xi Scientific Research Society

Alpha Omega Alpha

Association for Academic Surgery

Southern Thoracic Surgical Association

Society of Thoracic Surgeons
American College of Cardiology
American Heart Association
Georgia Medical Association
International Society for Heart and Lung Transplantation
Congenital Heart Surgeons Society
World Society for Pediatric and Congenital Surgery
International Society for Nomenclature in Pediatric and Congenital Heart Disease

Grants:

All-Cause Mortality 1 to 30 years after Interventions for Congenital Heart Disease: Linkage of the PCCC to the National Death Index
NIH RO1 grant funding
2014-2017, \$1,564,371.00
Co-Principle Investigator

Complete Biological Engineered Human Vascular Grafts Evaluated in the Baboon
John and Nancy Lindahl Children's Heart Research Grant
2014-2016, \$362,626
Co-Principle Investigator

PumpKIN Trial
NHLBI Funded Study
2014-
Principle Investigator

Minnesota Congenital Heart Network
Partnership Grant
2008-2012, \$500,000,
Co-Principal Investigator

Comparison between Surgical vs. Balloon Angioplasty vs. Intravascular Stent Placement for Recurrent or Native Coarctation of the Aorta
University of Minnesota
Study Number: 0609M93468
Co-Principal Investigator

Berlin Heart EXCOR[®] Pediatric Ventricular Assist Device Trial
University of Minnesota
Study Number: ASC-092M59161
2009-Ongoing Principal Investigator

International Collaborations:

Sponsor Visiting Cardiac Pediatric Surgeon
Dr. Liang Qi
The First Hospital of Lanzhou
Lanzhou, China

April – June 2017

The First Hospital of Lanzhou
Lanzhou, China
In Corporation with HeartLink
“Development and Evolution of the Congenital Cardiac Surgical Program”

Narayana Hrudayalaya Health Sciences Center
Bangalore, India
In Corporation with the University of Minnesota
“The Establishment of a Congenital Cardiac Database”

First Affiliate Hospital of Kunming
Kunming China
In Corporation with HeartLink
“Development and Evolution of the Congenital Cardiac Surgical Program”

Selected Chaired Sessions:

5th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery:
Cardiovascular Nursing Achieving Excellence in Patient Care
Chair/Organizer
Abu Dhabi, United Arab Emirates, October, 27th, 2016

The Seventh Annual Bakken Device Symposium
Course Director: Children with Congenital Heart Disease-Evaluation, Management and Long-Term
Follow-up
University of Minnesota
Minneapolis, Minnesota, September 16, 2013

The Sixth Annual Bakken Device Symposium
Course Director: Innovations in Cardiovascular Therapy
University of Minnesota
Minneapolis, Minnesota, August 27, 2012

Design of Medical Devices Conference
Session Organizer: Cardiac Devices in the Pediatric Population
University of Minnesota
April 10-12, 2012

The Fifth Annual Bakken Device Symposium
Course Director: Current and Future Strategy in Pediatric Cardiac Valve Disease
University of Minnesota
Minneapolis, Minnesota, July 25-26, 2011

The Third Annual Institute for Engineering in Medicine Symposium
Session Chair: Cardiac Device Testing
University of Minnesota
Minneapolis, Minnesota, December 9, 2010

The Fourth Annual Bakken Device Symposium
Course Director: Complication with Pediatric Mechanical Assist Devices
University of Minnesota
Minneapolis, Minnesota, December 6-7, 2010

The Third Annual Bakken Device Symposium
Course Director: Pediatric Cardiovascular Innovation
University of Minnesota
Minneapolis, Minnesota, December 7-8, 2009

Design of Medical Devices Conference
Session Chair: Clinical research
University of Minnesota
Minneapolis MN, April 13-15, 2010

Design of Medical Devices Conference
Track Chairman: Cardiovascular Innovation
University of Minnesota
Minneapolis MN, April 13-15, 2010

Design of Medical Devices Conference
Session Chair, Artificial Hearts and VADS
University of Minnesota
Minneapolis, Minnesota, April 13- 15, 2009

Editorial Boards:

2017 - Present **Associate Editor for the Editorial Board of Pediatric Cardiology**
Publisher: Frontiers in Cardiovascular Medicine and Pediatrics

2016 - Present **Associate Editor for Surgery for Cardiology in the Young**
Publisher: Cambridge University Press

2016 - Present **World Journal for Pediatric and Congenital Heart Surgery**
Publisher: Saga Press

2016 - Present **International Editorial Board for Cardiology in the Young**
Publisher: Cambridge University Press

2013 - 2016 **Journal of Cardiovascular Translational Research**
Publisher: Springer

2013 - 2016 **Journal of Heart Valve Disease**
Publisher: Springer

Editor:

The Heart Center Update
University of Minnesota Amplatz Children's Hospital

laizzo P, Bianco R, Hill A, St. Louis J. Heart Valves: From Design to Clinical Implantation.
Springer, 2013.

Guest Editor:

Journal of Cardiac Translational Research
Publisher: Springer
Volume 3: Number 6, December 2010

Committee and Administrative Service:

2008 - 2014	Electronic Charge Capture Project Physician Advisory Group, UMPHysicians
2008 - Present	Executive Council of Children's HeartLink, Minneapolis, Minnesota
2008 - Present	Children's HeartLink Program Services Advisory Committee, Minneapolis, Minnesota
2008 - 2014	Executive Council, University of Minnesota Children's Physicians Group (UMFP)
2009 - 2011	American Heart Association, July 1, 2009-June 30, 2011 Membership & Communications Committee
2010	DMD2010 Scientific Program Committee
2011	DMD2011 Scientific Program Committee
2010 - Present	STS, Task Force on Conflict of Interest
2010 - Present	STS, Task Force on Congenital Heart Surgery Database
2010 - Present	The International Society for Nomenclature of Pediatric and Congenital Heart Disease (ISNPCHD), Definitions Working Group
2010 - Present	Chair, The International Society for Nomenclature of Pediatric and Congenital Heart Disease (ISNPCHD), Archiving Working Group
2011 - Present	Executive Board, Pediatric Cardiac Care Consortium (PCCC)
2011 - Present	STS Congenital Access and Publication Committee
2014 - Present	Pediatric Council Education Workforce, International Society for Heart and Lung Transplantation (ISHLT)
2015 - Present	Secretary, Database Committee of the World Society for Pediatric and congenital Cardiac Surgery
2015 - Present	Chair, Research Committee, World Society Pediatric and Congenital Heart Surgery
2016 - Present	STS, Workforce on Congenital Heart Surgery
2016 - Present	STS, Workforce on Coding and Reimbursement
2016 - Present	STS, Chair, Congenital Sub-committee, PUF Workforce Research Program
2016 - Present	Pedimacs DAAP Committee
2016 - Present	CHSS Research Committee

- 2016 - Present CHSS Bylaws Committee
- 2017 – Present UMKC Endowed Chair Review Committee
- 2017 – Present Executive Board, International Society of Nomenclature of Pediatric and Congenital Heart Disease
- 2017 – 2021 Governing Council: World Society for Congenital and Pediatric Heart Surgery

Guest Reviewer:

World Journal for Pediatric and Congenital Heart Surgery
 Congenital Heart Disease Journal
 Journal of heart and Lung Transplantation
 ASAIO Journal
 Journal of Thoracic and Cardiovascular Surgery
 Annals of Thoracic Surgery
 Cardiology in the Young

Bibliography:

Publications: Manuscripts

1. Cherington V, Brown M, Pouch E, St. Louis J, Spiegelman BM, Roberts TM. Separation of Simian Virus 40 Large -T antigen Transforming and Origin- Binding Function from the Ability to Block Differentiation. *Mol Cell Biol* 8(3):1380-4, March 1988.

Corcoran P, Wang Y, St. Louis J, Katz N. Effects of Lung Preservation Solution on Differential Lung Function and Pulmonary Hemodynamics in an Acute Canine Model. *Surgical Forum*, 41(4): 719-722, 1990.
2. St. Louis J, Corcoran PC, Rajan S, Conte J, Wolfinbarger L, Hu J, Wang YN, Lange PL, Hilbert S, Analouei A. Characterization of Effects of Warm Ischemia Following Harvesting of Allograft Cardiac Valves. *European Journal of Cardiothoracic Surgery*, 5:458-464, 1991.
3. Hopkins, RA, St Louis J, Corcoran PC. Ross' first homograft replacement of the aortic valve. *Ann Thorac Surg*, 52(5):1190-3, 1991.
4. Corcoran P, Wang Y, Katz N, St. Louis J, Foegh M, Rajan S, Analouei A, Wallace R. Platelet activating factor antagonist enhances lung preservation. *J Surg Res*, 52(6):615-20, 1992.
5. Crescenzo D, Hilbert S, Barrick M, Corcoran P, St. Louis J, Messier R, Ferrans V, Wallace R, Hopkins R. Donor heart valves: electron microscopic and morphometric assessment of cellular injury induced by warm ischemia. *J Thorac Cardiovasc Surg*, 103(2):253-7, 1992.
6. Corcoran P, Tse S, Katz N, Wang Y, St. Louis J, Foegh M, Analouei A, Wallace R. Reduction of conjugated dienes in lung transplantation: effect of BN 52021. *Ann Thorac Surg*, 56(6): 1279-83, 1993.

7. Abdel-aleem S, Sayed-Ahmed M, Nada M, Hendrickson S, St. Louis J, Lowe J. Stimulation of Non-Oxidative Glucose Utilization by L-Carnitine in Isolated Myocytes. *J Mol Cell Cardiol*, 27: 2465-72, 1995.
8. Abdel-aleem S, Sayed-Ahmed M, Hendrickson S, St. Louis J, Anstadt M, Lowe J. 917-98 Regulation of Glucose Utilization by L-Carnitine in Cardiac Myocytes. *American College of Cardiology*, 25(2), 1995.
9. Plunkett MD, Hendry PJ, Anstadt MP, Camporesi EM, Amato MT, St. Louis JD, Lowe JE. Chronic Hypoxia Induces Adaptive Metabolic Changes in Neonatal Myocardium. *J Thorac Cardiovasc Surg*, 112(1):8-13, 1996.
10. Abdel-aleem S, Sayed Ahmed M, Hendrickson SC, St. Louis J. Regulation of Fatty Acid Oxidation by Acetyl-CoA generated from glucose utilization in isolated myocytes. *J Mol Cell Cardiology*. 28(5):825-33, 1996.
11. Anstadt MP, Perez-Tamayo RA, Davis MG, Hagen PO, St. Louis JD, Hendrickson SC, Abdel-aleem S, Reimer KA, Anstadt GL, Lowe JE. Experimental Aortocoronary Saphenous Vein Graft Function After Mechanical Cardiac Massage with the Anstadt Cup. *ASAIO Journal*, 42(4):295-300, 1996.
12. Abdel-aleem S, Sayed-Ahmed M, Nada M, Hendrickson S, St. Louis J, Walthall HP, Lowe JE: Regulation of fatty acid oxidation by acetyl-CoA generated from glucose utilization in isolated myocytes. *J Mol Cell Cardiol*, 28(5):825-33, 1996.
13. Anstadt M, Perez-Tamayo R, St. Louis J, Anstadt G. Clinical Experience with the Anstadt Cup for Non-Blood Contracting Cardiac Support. *ASAIO Journal*, 42(2), 1996.
14. Hendrickson S, St. Louis J, Lowe JE, Abdel-aleem S. Free Fatty acid metabolism during myocardial ischemia and reperfusion. *Mol Cell Biochem*, 166:85-94, 1997.
15. Hughes C, Lowe J, Kypson A, St. Louis J, Phippen A, Petters K, Coleman E, DeGrado T, Donovan C, Annex B, Landolfo K. Neovascularization After Transmyocardial Laser Revascularization in a Model of Chronic Ischemia. *Ann Thorac Surg*, 66:2029-36, 1998.
16. Abdel-Aleem, St. Louis J, Lowe J. Regulation of carbohydrate and fatty acid utilization by L-carnitine during cardiac development and hypoxia. *Mol Cell Biochem*, 180(1-2):95-103, 1998.
17. St. Louis J, Hendrickson S, Kypson A, Hughes G, Coteman R, Donovan C, Degrado T, Seabage L, Abdel-Aleem S, Landolfo K, Lowe J. An Experiment Model of Myocardial Hibernation. *Journal of American College of Cardiology*, 31(2): 409, 1998.
18. Abdel-Aleem S, St. Louis J, Lowe J. Metabolic changes in the normal and hypoxic myocardium. *Ann NY Acad Sci*, 874:254-61, 1999.
19. St. Louis J, Leight G, Tyler D. Follicular Neoplasms: The Role for Observation, Fine Needle Aspiration Biopsy, Thyroid Suppression and Surgery. *Semin Surg Oncol*, 16:5-11, 1999.
20. Hughes G, Kypson A, St. Louis J, Annex B, Coleman R, Degrado T, Donovan C, Lowe J, Landolfi K. Improved perfusion and contractile reserve following transmyocardial laser revascularization in a model of hibernating myocardium. *Ann Thorac Surg*, 67(6):1714-20, 1999.
21. Hughes GC, Kypson AP, St. Louis JD, Annex BH, Coleman RE, Degrado TR, Donovan CL, Lowe JE, Landolfo KP. Induction of angiogenesis after TMR: a comparison of holmium: YAG, CO₂, and excimer. *Ann Thorac Surg*, 70(2):504-9, 2000.

22. St. Louis JD, Hughes C, Kypson A, Degrado TR, Donavan CL, Coleman RE, Yin B, Abdel-Aleem S, Steenbergen C, Landolfo KP, Lowe JE. An experimental model of chronic myocardial hibernation. *Ann Thorac Surg*, 69(5):1351-7, 2000.
23. Forbess JM, Sha AS, St. Louis JD, Jagers JJ, Ungerleider RM. Cryopreserved homografts in the pulmonary position: determinants of durability. *Ann Thorac Surg*, 71(1):54-59, 2001.
24. Petrofski J, St. Louis J, Smigla G, Anstadt M, Messier R, Landolfo K, Milano C. Short-Term Mechanical Ventricular Assistance: Advantages of the BVS5000. *ASAIO Journal*, 48(2), 2002.
25. Patel VS, St. Louis JD, Oduntan O, Landolfo KP. Intrathoracic Peripheral Nerve Sheath Tumors in Patients with Neurofibromatosis Type 1 (Von Reckinghausen's Disease). *J Thorac Cardiovasc Surg*, 131(3):736-7, 2006.
26. St. Louis J. Stage I Palliation for Interrupted "Right" Aortic Arch Associated with Mitral Atresia. *Ann Thorac Surg*, 82(6):2300-2, 2006.
27. St. Louis J. Pentalogy of Cantrell Associated with Hypoplastic Left Heart Syndrome and Herniation of the Ventricular Mass into the Abdominal Cavity. *Interactive Cardiovascular and Thoracic Surgery*, 5(3):200-2, 2006.
28. Wheeler DS, St. Louis JD. Pentalogy of Cantrell associated with hypoplastic left heart syndrome. *Ped Cardiol*, 28(4):311-3, 2007.
29. St. Louis J, Wheeler D, Wiles H. Elective use of left ventricular assist after delayed arterial switch operation for D-transposition of the great vessels with intact septum. *J Thorac Cardiovasc Surg*, 134(1):252-3, 2007.
30. St. Louis J, Bannan M, Lutin W, Wiles. Surgical Strategies and Outcomes in Patients with Shone Complex: A Retrospective Review. *Ann Thor Surg*, 84:1357-63, 2007.
31. St. Louis J, White S. Characterization of Plasma and Cell Surface CD163 in Pediatric Patients Undergoing Cardiopulmonary Bypass. *Journal of Surgical Research*, 144(2):176, 2008.
32. Bateman M, Quill J, St. Louis J, Iazzo P. Visualization and HemoDynamic Evaluation of Edge-to-Edge Mitral Valve Repair Withint Reanimated Swine Hearts. *Journal of Medical Devices*, 3(2), 2009.
33. Shepard, Moller J, Bryant R, Rosengart, St. Louis J. Repair of Major Cardiac Defects in Low Birth Weight Infants: Is Delayed Surgical Intervention Warranted? *JTCVS*, 140(5):1104-1109, 2010.
34. Management of progressive pulmonary venous stenosis following repair of Total Anomalous Pulmonary Venous Connection (TAPVC): etiology, current therapy, and future studies. Review article in *World Journal of Congenital Cardiac Surgery* (in preparation).
35. Arain N, Bryant R, Ameduri R, Gruenstein D, Braunlin E, Joyce L, St. Louis J. Successful Coil Embolization of a Large Ascending Aortic Pseudoaneurysm Following Explanation of the EXCOR® Pediatric Ventricular Assist Device in a Patient With Acute Fulminant Myocarditis. *World Journal for Pediatric and Congenital Heart Surgery*, 1(2): 259-261, 2010.
36. Bryant, R, Steiner M, and St Louis, JD. "Current use of the EXCOR pediatric ventricular assist device." *Journal of Cardiovascular Translational Research*, 3.6: 612-617, 2010

37. Joyce L, Crow S, John R, St. Louis J, Pyles, L. Mechanical circulatory support in patients with heart failure secondary to transposition of the great arteries. *The Journal of Heart and Lung Transplantation*, 29(11):1302-5, 2010.
38. Arain N, Braunlin E, St. Louis J, Bryant R. Delayed Arterial Switch Operation for D-Transposition of the Great Arteries and Glucocorticoid Remediable Aldosteronism. *World Journal for Pediatric and Congenital Heart Surgery*, 2(2): 316-317, 2011.
39. Quill J, Bateman M, St. Louis J, Iazzo P. Edge-to-edge Repairs of P2 Prolapsed Mitral Valves within Isolated Swine Hearts. *The Journal of Heart Valve Disease*, 20(1):1-8, 2011.
40. Shepard C, Harvey B, Bryant R, St. Louis J. Utilization of Permanent Epicardial Cardiac Pacing in Ultra-Low Wright Premature Neonates with Congenital Heart Block. *Journal of Surgical Research*, 165(2):171-171, 2011.
41. Vincour J, Menk J, Larson V, Connett J, St. Louis J, Kochilas L, Moller J. Trends in the Relationship Between Surgical Mortality for Congenital Heart Disease and Surgical Volume: 25 Year Experience from a Multi-Institutional Registry. *Journal of the American College of Cardiology*, 57(14), April 2011.
42. Zantek N, Bryant R, Meyer K, St. Louis J, Sivanandam S, Steiner M. Assessment of Platelet Function in a Pediatric Patient Bridging to Heart Transplantation on a Berlin Heart EXCOR Pediatric Ventricular Assist Device. *Haemophilia*, 17(3):563-563, May 2011.
43. Shepard C, Kochilas L, Bryant R, Harvey B, St. Louis J. Surgical Placement of Permanent Epicardial Pacing Systems in Very Low-Birth Weight Premature Neonates: A Review of Data From the Pediatric Cardiac Care Consortium (PCCC). *World Journal for Pediatric and Congenital Heart Surgery*, 3(4):454-458, 2012.
44. Adebayo D, Sivanandam S, St. Louis J. Spontaneous Closure of the Ventricular Septal Defect in Fetuses and Neonates with Complete Atrioventricular Septal Defects. *Journal of Surgical Research*, 172(2): 188, February 2012
45. St. Louis J, Harvey B, Menk J, Raghuvver G, J.E. O'Brien Jr., R. Bryant 3rd, Kochilas L. Repair of "Simple" Total Anomalous Pulmonary Venous Connection: A Review from the Pediatric Cardiac Care Consortium. *Ann Thorac Surg*. 94(1):133-136 2012 May 4.
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47. N. Zantek, MD, R. Bryant, 3rd, MD, J. St. Louis, MD, S. McDonald, RN, R. Ameduri, MD, M. Steiner, MD. Unexplained thromboelastogram thrombolytic profile in pediatric BerlinTM Left Ventricular Assist Device Patient. *Blood, Coagulation, and Fibrinolysis*.
48. George C, Ameduri R, Reed R, Dummer K, Overman D, St. Louis J. Long-Term Use of Ventricular Assist Device as a Bridge to Recovery in Acute Fulminant Myocarditis. *Annals of Thor Surg*. 95:e59, 2013.
49. Adebo D, St. Louis J, Prosen T, Sivanandam S. Fetal Complete Common Atrioventricular Canal Defect: Spontaneous Closure of the Ventricular Septal Defect-In Utero Anatomic Evolution and Postnatal Outcomes. *World Journal for Pediatric and Congenital Heart Surgery*, 4(2):177-181, 2013.

50. Aldoss O, Yamamura Y, St. Louis J, Holm T, Sivanandam S. Fetal Diagnosis of Tetralogy of Fallot with Absent Pulmonary Valve Syndrome; Role of Fetal MRI. *Asian Journal of Clinical Pediatrics and Neonatology*, 1(1):3-5, 2013.
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53. St. Louis J, Upinder K, Jacobs J, Xia K, Hill K, Pasquali S, Jacobs M: Contemporary outcomes of complete atrioventricular septal defect repair: Analysis of the Society of Thoracic Surgeons Congenital Heart Database. *Journal of Thoracic Cardiovascular Surgery* 148: 2526-2531, 2014.
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55. Jodhka U, Bradee A, St. Louis J, Bryant R, Shepard C. Diagnosis and Surgical Treatment of Partial Anomalous Pulmonary Venous Connection. *Experimental and Clinical Cardiology.* 20(8): 3816-3832, January 2014.
56. Hernandez L, Anderson R, Hoggard E, St. Louis J, Shepart, C. Crossed Pulmonary Arteries with Hypoplasia of the Transverse Aortic Arch. *Cardiology in the Young*; 25: 718-724, 2015
57. St. Louis J, Harvey B, Menk J, O'Brien J, Kochilas L. Mortality and Operative Management for Patients Undergoing Repair of Coarctation of the Aorta: A Retrospective Review of the Pediatric Cardiac Care Consortium. *World Journal for Pediatric and Congenital Heart Surgery.* 6(3): 431-437, 2015
58. Seslar S, Shepard C, Shepard C, Giroud J, Aiello V, Cook A, Spicer D, St. Louis J, Franklin R, Jacobs J, Anderson R. Lost Treasures: A plea for the systematic preservation of cadaveric heart specimens through three-dimensional digital imaging. *Cardiology in the Young*, 25(8):1457-9, 2015.
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61. Sivanandam S, Wey A, St. Louis J. Intraoperative Transesophageal Echocardiographic Assessment of Left Ventricular Tei Index in Congenital Heart Disease. *Annals of Card Anaesthesia.* 18(2):198-201, 2015.

62. Hernandez LE, Shepard C, Andreson RH, St. Louis J. See and Ye Shall Find. *Cardiology in the Young*. 25(7):1438, 2015.
63. Jacobs J, St. Louis J, Mayer J, Mayroutdis C, O'Brien S, et al. The Society of Thoracic Surgeons Congenital Heart Surgery Database: 2016 Update on Outcomes and Quality. *Annals of Thorac Surgery*, 101: 850-62, 2016.
64. Kochilas L, Menk J, Vincour J, St. Louis J, Harvey B, Spector L. Coronary Revascularization Procedures in Children: In-Hospital Mortality and Mid-Term Follow Up Data. *Journal of American College of Cardiology*, 67(13): 915, 2016.
65. Spector L, Menk J, Vincur J, Oster M, Harvey B, St. Louis J, Moller J, Kochilas. In-Hospital Vital Status and Heart Transplants After Intervention for Congenital Heart Disease in the Pediatric Cardiac Care Consortium: Completeness of Ascertainment Using the National Death Index and United Network for Organ Sharing Datasets. *Journal of the American Heart Association*. 5(8), 2016. doi: 10.1161/ 116.003783
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67. Jacobs J, Mayer JE, Austin EH, Quintessenza JA, Karl TR, Vricella L, Mayroutdis C, O'Brien SM, Pasquali SK, Hill KD, Husain SA, St. Louis JD, Han JM, Shahian DM. Mortality Trends in Pediatric and Congenital Heart Surgery: An Analysis of The Society of Thoracic Surgeons Congenital Heart Surgery Database. *Annal of Thoracic Surg*. 102(4):1345-52, Oct 2016.
68. Kirklin J, St. Louis J. Databases in Pediatric Cardiac Surgery: A Nexus of Opportunity and Obligation. *World Journal for Pediatric and Congenital Heart Surgery*. 7(6): 675-676, Nov 2016.
69. Jacobs J, Lahey S, Nichols F, Levett J, Johnston G, Freeman R, St. Louis J, Painter J, Yohe C, Wright C, Kanter K, Mayer J, Naunheim K, Rich J, Bavaria J. How is Physician Work Valued? *The Society of Thoracic Surgeons*. 103:373-80, 2017.
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71. Spicer D, Jacobs J, St. Louis J, Giroud J, Shepard C, Everett A, Anderson R, Aiello V, Cohen M. Image of the Month from the Archiving Working Group. *Congenital Cardiology Today*. 15(2): 7-9, 2017.
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74. St. Louis J, McCracken C, Turk E, Hancock H, Menk J, Harvey B, Vincocur J, Oster M, Moller J, Spector L, Kochilas L. Long-Term Transplant-Free Survival Following Repair of Total Anomalous Pulmonary Venous Connection (TAPVC): A Study from the Pediatric Cardiac Care Consortium (PCCC). *Annals of Thoracic Surgery 2017* (accepted).

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Publications: Chapters

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2. St. Louis J, Sebastian M, Reed R, Vaslef S: Laparoscopic Evaluation in Abdominal Trauma. In: Pappas, Cheken, Eubanks (eds), Atlas of Laparoscopic Surgery 2nd ed, Current Medicine, 2000, pp. 22-29.
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6. St. Louis J, Hopkins R. The Biological Valve Spectrum and a Rational for Prosthetic Valve Choice. 2nd ed. Spring-Verlag, New York, 2005, pp 602-12.
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12. St. Louis J: Introduction to Congenital Heart Disease: Nomenclature and Classification. In: Wheeler, Wong, and Shanley (eds), Cardiovascular Pediatric Critical Illness and Injury, Springer-Verlag, 2008, pp 1-3.
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Publications: Abstracts

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2. Corcoran P, Wang Y, St. Louis J, Foegh M, Ramwell P, Rajan S, Analouei A, Wallace R, Katz N. Effects of Lung Preservation Solution on Differential Lung Function and Pulmonary Hemodynamics in an Acute Canine Model. *Surgical Forum Volume XLI*, The American College of Surgeons, San Francisco, California, October 7-12, 1990.
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29. **St. Louis J, Harvey B, Kochilas L, Raghuvier G, O'Brien J, Bryant R, Kochilis L; Primary Repair of Total Anomalous Pulmonary Connection: A Review of the Pediatric Cardiac Care Consortium (PCCC), a Multi-Institutional Cardiac Database. Southern Thoracic Surgical Association 58th Annual Meeting, November 9th-12th 2011, San Antonio, TX.**
30. **St. Louis J, Arain N, Bryant R, Harvey B, Habermann E, Kochilas L. Risk factors for the development of pulmonary vein stenosis following repair of total anomalous pulmonary venous connection. Society of Thoracic Surgeons 48th Annual Meeting, January 30th – February 1, 2012.**
31. **Gustafson C, Schiff L, Henson J, Nguyen V, Connett J, Rudser K, Lowry S, Kochilas L, St. Louis J, Marath A. A CardioStart (CS) Performance and Compliance Scoring System for Emerging Pediatric & Adult Cardiothoracic & Vascular Healthcare Programs. 6th World Congress Paediatric Cardiology & Cardiac Surgery, February 17-22, 2013.**
32. **St. Louis J, Harvey B, Menk J, O'Brien J, Kochilas L. Mortality & Operative Management of Patients Undergoing Repair of Coarctation of the Aorta in North America. 4th Scientific Meeting of the World Society for Neonatal and Congenital Heart Surgery, July 18, 2014.**
33. **St. Louis J, O'Brien J, Mavroudis C, Kochilas L. Anomalous Aortic Origin of the Coronary Arteries: The Impact of Major Associated Congenital Cardiac Lesions. 62nd annual Southern Thoracic Surgical Association, Orlando, FL, Wednesday, November 4th 2015.**
34. **St. Louis, J, McCracken C, Menk JS, Harvey B, Turk E, Vincour JM, Oster J, Moller LG, Spector L, Kochilas L. Long-term Survival and Causes of Death Following Repair of Total**

Anomalous Pulmonary Venous Connection (TAVPC): A study from the Pediatric Cardiac Care Consortium (PCCC). CHSS Annual Meeting, Chicago, IL, October 23-24, 2016.

35. Kochilas L, Menk J, Vinocur J, St. Louis J, Harvey B, Oster M, Moller J, Spector L. Long Term Survival After Surgical or Transcatheter Interventions for Congenital Heart Disease (CHD): A Study from the Pediatric Cardiac Care Consortium (PCCC). AHA Scientific Sessions, New Orleans, LA, November 12-16, 20
36. Kochilas L, Menk J, Vinocur J, Harvey B, Spector L, St. Louis J. Coronary Revascularization Procedures in Children: In-hospital Mortality and Mid-term Followup Data. ACC April 2nd 2016.
37. Spector L, Menk J, Vinocur J, Oster M, Harvey B, St. Louis J, Mollar J, Kochilas L. In-Hospital Vital Status After Interventions for Congenital Heart Disease: Completeness of Case Ascertainment Using the National Death Index. ACC, April 2nd 2016.
38. S. Louis J. Increased Surgical Mortality Associated with Partial Pulmonary Venous Obstruction in Patients with Type IV Total Anomalous Pulmonary Venous Connection. ECHSA/CHSS 4th Joint Meeting, June 24th, 2016.
39. L Kochilas, Menk J, Vinocur J, St. Louis J, Harvey B, Oster M, Moller J, Spector L. Long-Term Survival After Surgical or Transcatheter Interventions for Congenital Heart Disease (CHD): A Study from the Pediatric Cardiac Care Consortium (PCCC). AHA Scientific Sessions, New Orleans, LA, November 12-16, 2016.
40. Smith C, Kelleman M, McCracken C, Menk J, Sung C, St. Louis J, Oster M, Moller J, Spector L. Long-Term Outcomes After Surgical Repair of Complex Truncus Aortae (TOF): A Study From the Pediatric Cardiac Care Consortium (PCCC). AHA Scientific Sessions, New Orleans, LA, November 12-16, 2016.
41. St. Louis J, McCracken C, Menk J, Harvey B, Turk E, Vinocur J, Oster J, Moller G, Spector L, Kochilas L. Long-Term Survival and Causes of Death Following Repair of Total Anomalous Pulmonary Venous Connection (TAPVC): A study from the Pediatric Cardiac Care Consortium (PCCC). 52nd STS Annual Meeting, Houston, TX, January 21-22, 2017. (poster presentation).
42. Kochilas L, Menk J, Vinocur J, St. Louis J, Harvey B, Oster M, Moller J, Spector L. Long-Term Survival by Physiologic Classification after Surgical Or Transcatheter Interventions for Congenital Heart Disease (CHD): A Study from the Pediatric Cardiac Care Consortium (PCCC). World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, Spain, July 15-21, 2017.
43. St. Louis J. Characterization of Plasma and Cell Surface CD163 in Pediatric Patients Undergoing Cardiopulmonary Bypass. European Congenital Heart Surgeons Association Annual Meeting, Leicester, UK, May 19th-20th, 2017. Cardiology in the Young
44. St. Louis J. Long-term Transplant-free Survival following Repair of Total Anomalous Pulmonary Venous Connection (TAPVC): A Study from the Pediatric Cardiac Care Consortium (PCCC). 7th World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, Spain, July 16 -21, 2017. (Poster Presentation).

Presentations:

Illustrating ECD-11 Through the Virtual World Atlas of Congenital Heart Disease: Archiving Working Group of ISNPCHD.

**7th World Congress of Pediatric Cardiology and Cardiac Surgery
Barcelona, Spain, July 16-21, 2017**

Pulmonary Atresia with Intact Ventricular Septum and Right Ventricular Dependent Coronary Circulation: Surgical Options and Outcomes

**7th World Congress of Pediatric Cardiology and Cardiac Surgery
Barcelona, Spain, July 16-21, 2017**

World Database for Pediatric and Congenital Heart Surgery: Development and Enrollment Strategies

**7th World Congress of Pediatric Cardiology and Cardiac Surgery
Barcelona, Spain, July 16-21, 2017**

Characterization of Plasma and Cell Surface CD 163 in Pediatric Patients Undergoing Cardiopulmonary Bypass.

**European Congenital Heart Surgeons Association Annual Meeting
Leicester, UK, May 19th-20th, 2017**

Overview of Studies Conducted by the WSPCHS and ECHSA, A Model for the Future.

**European Congenital Heart Surgeons Association Annual Meeting
Leicester, UK, May 19th-20th, 2017**

Already Here and It's Free. "The World Database Project." Numbers Reliable to Achieve Quality Care in All the World.

**Sociedad Mexicana De Cirugia Cardiaca
Merida, Mexico, April 19-22, 2017**

Potential Impact of the World Database for Members of the WSPCHS. Quality Improvement and Global Outcomes Research.

**5th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery
Abu Dhabi, United Arab Emirates, October, 27-30, 2016**

Establishment of the International Virtual Congenital Cardiac Encyclopedia

**4th Annual Children's Mercy Cardiac Forum
Kansas City, MO October 7, 2016**

Archiving Working Group Update

12th Annual Meeting of the Multi-Societal Database Committee for Pediatric and Congenital Heart Disease

Atlanta, GA August 24-25, 2016

Increased Surgical Mortality Associated with Partial Pulmonary Venous Obstruction in Patients with Type IV Total Anomalous Pulmonary Venous Connection

**European Congenital Heart Surgeons Association & Congenital Heart Society 4th Joint Meeting
Venice, Italy June 24th 2016**

Minimal Dataset for the World Database for Pediatric and Congenital Heart Disease

**World Society for Pediatric and Congenital Heart Surgery
Kyoto, Japan November 27, 2015**

Surgical Management of Pulmonary Atresia Intact Ventricular Septum

**World Society for Pediatric and Congenital Heart Surgery Regional Meeting
Kyoto, Japan November 26, 2015**

Pulmonary Atresia with Intact Ventricular Septum with Right Ventricular Dependent Coronary Circulation
World Society of Pediatric and Congenital Heart Surgery Regional Meeting
Kyoto, Japan November 26, 2015

Anomalous Aortic Origin of the Coronary Arteries: The Impact of Major Associated Congenital Cardiac Lesions
62nd Annual Meeting of the Southern Thoracic Surgical Society
Orlando, Florida Wednesday, November 4th 2015

Pulmonary Atresia with Ventricular Septal Defect
Pulmonary Atresia with Intact Ventricular Septum
World Society for Pediatric and Congenital Heart Surgery
Cartagena, Colombia February 27th 2015

Congenital Heart Surgery in the Low Birth Weight Infant
18th Annual Update on Pediatric and Congenital Cardiovascular Disease
Scottsdale, Arizona, February 12th 2015

Device Overview: The Berlin Heart Excor
18th Annual Update on Pediatric and Congenital Cardiovascular Disease
Scottsdale, Arizona, February 11th 2015

Congenital Abnormalities of the Coronary Arteries
John Hopkins All Children's Heart Institute-15th International Symposium on Congenital Heart Disease
St. Petersburg, Florida, February 6th 2015

Mortality and Operative Management of Patients Undergoing Repair of Coarctation of the Aorta in North American
4th Scientific meeting of the World Society for Neonatal and Congenital Heart Surgery
Sao Paulo, Brazil, July 18th 2014

Hybrid approached to treating Congenital Cardiac Disease: Advancing Frontiers of Pediatric Cardiac Sciences
Chennai, India, July 15th 2014

Surgical Approached to the Delayed Arterial Switch Operation: Advancing Frontiers of Pediatric Cardiac Sciences
Chennai, India, July 15th 2014

Mortality & Operative Management of Patients Undergoing Repair of Coarctation of the Aorta in North America
4th Scientific Meeting of the World Society for Neonatal & Congenital Heart Surgery
Sao Paulo, Brazil, July 18, 2014

Advancing Frontiers of Pediatric Cardiac Sciences
Surgical Approach to the Delayed Arterial Switch Operation
Chennai, India, July 15, 2014

Advancing Frontiers of Pediatric Cardiac Sciences
Hybrid Approach to Treating Congenital Cardiac Disease
Chennai, India, July 15, 2014

Children's Mercy Hospital Surgical Grand Rounds
Pediatric Cardiac Transplantation: Past, Present, and Future

Kansas City, MO, May 8, 2014

**Pediatric Congenital Heart Disease Symposium
Surgical Treatment of Complex CHD with Hybrid Technology in Operating Room
Beijing, China, December 7, 2012**

**Design of Medical Devices Conference
Support for the Failing Myocardium in the Pediatric Population: The Next Generation
Minneapolis, MN, April 11, 2012**

**World Society for Pediatric & Congenital Heart Surgery Annual Meeting
Surgical Management of Primary and Recurrent Pulmonary Venous Stenosis
Review of the Pediatric Cardiac Care Consortium, Long-term Functional and Developmental
Outcomes
Lima, Peru, March 19, 2012**

**Society of Thoracic Surgeons 48th Annual Meeting
Risk Factors for the Development of Pulmonary Venous Stenosis following Neonatal Repair of
Total Anomalous Pulmonary Venous Connection
Fort Lauderdale, Florida, January 28-February 1, 2012**

**Southern Thoracic Surgical Association 58th Annual Meeting
Primary Repair of Total Anomalous Pulmonary Connection: A Review of the Pediatric Cardiac Care
Consortium (PCCC), a Multi-Institutional Cardiac Database
San Antonio, TX, November 11, 2011**

**ECMO Society of India 2nd National ECLS Conference
Cannulation Procedures for ECLS
Bangalore, India, November 5, 2011**

**The 7th Annual Meeting of The Multi-Societal Database Committee for Pediatric and Congenital
Heart Disease
Overview of the Pediatric Cardiac Care Consortium
Cambridge, United Kingdom, Sept 20th 2011**

**MeritCare Grand Rounds
Tetralogy of Fallot: The Surgeon's Perspective
Fargo, ND, April 26, 2011**

**6th Annual Academic Surgical Congress
Permanent Epicardial Pacemaker Placement in Ultra Low-Weight Premature Neonates
Huntington Beach, California, February 1, 2011**

**Advanced Cardiac Physiology & Anatomy Course Lecture
Mechanical Assist Devices in Children
University of Minnesota
Minneapolis, Minnesota, January 7, 2011**

**St. Louis J, Braunlin E, Ameduri R, Bryant R, Zantac N, McDonald S, Steiner M, Optimal
Anticoagulation Management for Patients with the Pediatric Excor Ventricular Assist Device. 8th
International Pediatric Cardiac Intensive Care Society
Miami FL, Dec 8th, 2010**

Repair of Major Cardiac Defects in Low Birth Weight Infants; Is Delayed Surgical Intervention Warranted?

**90th Annual Meeting of American Association for Thoracic Surgery
Toronto, Canada, May 4, 2010**

University of Minnesota

**Assessment of Platelet Function in a Pediatric Patient Bridging to Heart Transplantation on a Berlin Heart EXCOR[®] Pediatric Ventricular Assist Device
Minneapolis, Minnesota, April 15, 2010**

Medtronic Corporation

**Tetralogy of Fallot in the Adult Population: Assessment and Indications for Surgical Intervention
Minneapolis, Minnesota, April 1, 2010**

Sanford Children's CME Symposium

**Sanford USD Medical Center
Sioux Falls, SD, October 9, 2009**

**31st Annual International Conference of the IEEE Engineering in Medicine and Biology Society
Session Chair, Artificial Hearts and Ventricular Assist Devices (VAS, TAH, IABP, PCPS)**

**Hilton Hotel
Minneapolis, Minnesota, September 2-6, 2009**

Controversies in Cardiovascular Disease

**Adult Congenital Disease: Case Discussion
Saint Paul Hotel
St. Paul, Minnesota, May 2, 2009**

10th Annual Cutting Edge Conference

**Itty-Bitty (and Not-So-Small) Circulatory Assist Devices
University of Minnesota
Minneapolis, Minnesota, March 25, 2009**

Advanced Cardiac Physiology & Anatomy Course Lecture

**Ventricular Assist Devices (VADs)
University of Minnesota
Minneapolis, Minnesota, January 9, 2009**

The Second Annual Bakken Surgical Device Symposium

**Cardiac Valves Past, Present, and Future
University of Minnesota
Minneapolis, Minnesota, December 8, 2008**

Cardiac Transplantation and Mechanical Support in the Young

**14th Annual Pediatric Critical Care Conference
University of Minnesota
Minneapolis, Minnesota, October 1, 2008**

Prenatal Diagnosis of Congenital Heart Disease

**Grand Rounds, Department of Obstetrics, Gynecology and Women's Health
University of Minnesota
Minneapolis, Minnesota, August 19, 2008**

Surgical Management of Advanced Heart Disease in the Pediatric Population

Lillehei Heart Institute 30th Anniversary of Heart Transplantation Symposium

Minneapolis, Minnesota, May 30, 2008

Tetralogy of Fallot: A Surgeon's Perspective

Medtronic Corporation

Minneapolis, Minnesota, May 6, 2008

Hybrid Approach to Congenital Heart Disease – The Future is Now

Grand Rounds, Children's Hospital St. Paul

St. Paul, Minnesota, March 27, 2008

Hybrid Approach to Congenital Heart Disease – The Future is Now

Grand Rounds, Children's Hospital Minneapolis

Minneapolis, Minnesota, March 25, 2008

Hybrid Approach to Congenital Heart Disease – The Future is Now

Grand Rounds, Gunderson Clinic

LaCrosse, Wisconsin, March 16, 2008

CD163 in Pediatric Cardiac Patients Undergoing Cardiopulmonary Bypass

Department of Surgery Grand Rounds

University of Minnesota

Minneapolis, Minnesota, February 2008

**Characterization of Plasma and Cell Surface CD163 in Pediatric Patients Undergoing
Cardiopulmonary Bypass**

Academic Surgical Congress Annual Meeting

Huntington Beach, California, February 2008

**Mitral Valve Pathology Does Not Predict Need For Intervention Or Long-term Survival In Patients
with Shone's Complex**

53rd Southern Thoracic Surgical Association Meeting

November 2006

Surgical Decision Making in the Newborn: How, What, When

26th Annual Neonatology-The Sick Newborn,

Savannah, Georgia, September 2004

**Use of a Carotid Artery Turndown Procedure for Stage One Palliation in a Patient with Mitral
Atresia, Situs Ambiguous and Interrupted Aortic Arch**

**First Joint Meeting of the Congenital Heart Surgeons Society and The European Congenital Heart
Surgeons Association**

Montreal, Canada, October 2004

Single Ventricle Palliation: Procedures and Outcomes

Pediatric Cardio and Thoracic Surgery Meeting

Valdosta, GA., March 2004

Conotruncal Syndromes

Clinical Pathological Conference

Providence, RI, February 2003

Outcomes of Single Ventricle Palliation

Pediatric Update / Hasbro Symposium. John Olsen Lectureship

Providence, RI, October 2002

Congenital Heart Surgery in the 21st Century

**Pediatric Grand Rounds, Rhode Island Hospital
Providence, RI, August 2002**

**The ABIOMED BVS System: The Duke Experience
Brown Medical School Department of Surgery Grand Rounds, Rhode Island Hospital
Providence, RI, May 2002**

**An Experimental Model of Myocardial Hibernation
American College of Cardiology
1998**

**Saturation Kinetic Modeling of the Molecular Response to Altered Circulation Using the Michaelis-Menten Equation
27th Annual Scientific Meeting of the Western Trauma Association
March 1997**

**Duke Clinical Experience with Transmyocardial Laser Revascularization
22nd Annual Meeting of the Egypt Society of Cardiology
Luxor, Egypt, March 1996**

**Current Concepts in Ventricular Assist Devices
Duke Heart Center Lecture
Durham, North Carolina, September 1995**

**The Duke Clinical Experience With Non-Blood Contacting Biventricular Cardiac Support
The 3rd Congress of the International Society for Rotary Blood Pumps
Houston Texas, August 1995**

**Characterization of the Effects of Warm Ischemia Following Harvesting of Allograft Cardiac Valves
by Magnetic Resonance Spectroscopic Analysis of ATP, Phosphorous, Lactate, and Electron
Microscopy
European Society of Thoracic Surgery Annual Meeting
Naples Italy, September 1990**

**Biochemical Characterization of Warm Ischemic Injury to Valve Leaflet Fibroblasts in a Porcine
Model Using Proton (1H) Magnetic Resonance Spectroscopy
Annual Scientific Session, The American College of Cardiology New Orleans, March 1990**