



## HONORS AND AWARDS

B.A. with Honors, 1976

Phi Beta Kappa, 1976

Northwestern Memorial Hospital Surgical Award, 1985

The Wausau School District Twenty-Five Year Club Hall of Fame Award, 1994

Charter Member: Children's Circle of Care, The White House, September 27, 1995

Southern Thoracic Surgical Association President's Award, 1995

Best Scientific Paper "Taussig-Bing Anomaly: Arterial Switch Versus Kawashima Intraventricular Repair"

American Medical Association Physician's Recognition Award, February 1, 1997-2000

Strathmore's Who's Who--Lifetime member

National Registry of Who's Who--Lifetime member (#90042)

## MILITARY SERVICE

None

## FACULTY APPOINTMENTS

Professor of Surgery

Northwestern University Medical School 2000 - present

Associate Professor of Surgery

Northwestern University Medical School 1996 - 2000

Assistant Professor of Surgery

Northwestern University Medical School  
1988-1996

## HOSPITAL STAFF APPOINTMENTS

Division Head

Cardiovascular-Thoracic Surgery

Children's Memorial Hospital, Chicago  
September 2008

A.C. Buehler Professor of

Cardiovascular-Thoracic Surgery

Children's Memorial Hospital, Chicago  
August, 2001

Attending Surgeon

Children's Memorial Hospital, Chicago  
Division of Cardiovascular-Thoracic Surgery  
July 1988 - Present

Associate Staff Surgeon

Northwestern Memorial Hospital, Chicago  
Division of Cardiothoracic Surgery  
September 1992 - Present

## PROFESSIONAL SOCIETIES

### National and International

American College of Surgeons

American College of Cardiology

American Association for Thoracic Surgery

European Association for Cardio-Thoracic Surgery

Congenital Heart Surgeons Society

Society of Thoracic Surgeons

Doctor's Mayo Society

American Academy of Pediatrics - Surgical Section

American College of Chest Physicians

American Medical Association

International Society for Heart & Lung Transplantation

American Society of Transplant Surgeons

International Pediatric Transplant Association

Pediatric Heart and Lung Transplant Study Group

## **PROFESSIONAL SOCIETIES (Continued)**

Pediatric Cardiac Intensive Care Society: Charter member  
North American Society of Pacing and Electrophysiology  
Midwest Pediatric Cardiology Society  
-Executive Committee -Surgical Liaison  
American Heart Association  
- Fellow, Council on Cardio-Thoracic and Vascular Surgery  
- Cardiovascular Disease in the Young Council

### Local

The Chicago Cardiothoracic Surgical Society– Founding Member  
Chicago Surgical Society  
Illinois Surgical Society  
Chicago Medical Society  
Illinois Medical Society  
Chicago Committee on Trauma

## **ADMINISTRATIVE APPOINTMENTS**

Co-Director, Farouk S. Idriss Cardiac Registry, 1992  
Director, Heart Transplant Program – CMH, 2003

## **COMMITTEE SERVICE**

### Northwestern University Medical School

Undergraduate Surgical Education Committee, 1990  
Feinberg Cardiovascular Research Institute, 1995  
Search Committee for Chief, Division of Cardiothoracic Surgery, 1995

### Children's Memorial Hospital

Search Committee for Chief, Division of Urology, 2003  
Department of Surgery, Promotions Committee, 2001  
Search Committee for Chair, Department of Pathology, 2000  
Adult Care Committee, 1999  
Credentialing Committee, Faculty Practice Plan, 1999, 2000, 2007-  
Search Committee for Chief, Division of Cardiology, 1997  
Multidisciplinary ICU Committee, 1989  
Heart-Lung Transplant Committee, 1989  
Transfusion Committee, 1992  
Safety Quality Leadership Team 2007-  
Clinical Risk Committee 2007-

### Children's Memorial Institute for Education and Research

Faculty Advisory Committee, 1992

### Illinois

American College of Cardiology  
Membership Committee  
Cardiovascular Economics Committee  
Gift of Hope – Organ & Tissue Donor Network, Cardiopulmonary Subcommittee

## **PROFESSIONAL AND SCIENTIFIC ACTIVITY**

Coordinating Committee for Continuing Education in Thoracic Surgery, 1995  
Member, SESATS (Self-Education/Self-Assessment in Thoracic Surgery) Editorial Board, 1995  
Section Editor, Section IV-Cardiac Congenital  
SESATS VIII-2000; SESATS IX-2004; SESATS X-2008  
Member, Society for Thoracic Surgery Congenital Heart Surgery Nomenclature Committee, 1998

## **PROFESSIONAL AND SCIENTIFIC ACTIVITY (Continued)**

Member, STS National Databases Resource Group, 2002.  
Member, STS Workforce on Annual Meeting, 2004, 2005, 2006.

### National Institutes of Health

Division of Research Grants Special Study Section, Bethesda, Maryland  
October 28-30, 1992  
November 17-19, 1993  
July 11-13, 1994  
July 10-12, 1995

### National

Children's Circle of Care Leadership Conference, National Institutes of Health, Bethesda, MD,  
September 27, 1995  
Charter Member, Medical Advisory Board, Children's Heart Foundation, 1996  
Chairman, Medical Advisory Board, The Children's Heart Foundation, 2003  
Society of Thoracic Surgeons' Ad Hoc Committee for Congenital Heart Surgery Initiatives

### Editorial Boards

AATS Cardiothoracic Digest Internet Journal Review  
Journal of Cardiac Surgery  
Journal of Thoracic and Cardiovascular Surgery  
CTS Net – Congenital Heart Experts Techniques Section, Editor  
Pediatric Cardiology

### Guest Reviewer

Circulation  
Journal of Heart & Lung Transplantation  
Mayo Clinic Proceedings  
Cardiology in the Young  
Journal of the American College of Cardiology  
Catheterization and Cardiovascular Interventions  
ASAIO Journal  
Child's Nervous System  
Critical Care Medicine

## **RESEARCH GRANTS/CONTRACTS**

### Primary Investigator

Backer CL, Takami H: Effect of Diltiazem on transplant coronary artery disease. American Heart Association Grant Proposal, submitted September 30, 1992, American Heart Association of Metropolitan Chicago. (Approved, not funded)

Backer CL, Bronicki R: The effects of glucocorticoids on the post-cardiopulmonary bypass systemic inflammatory response, IRB# 10783. (Internally funded study, 1995-1996).

Strasburger J, Backer CL: Clinical investigation of the models 10295B/4965 epicardial steroid eluting pacing lead: Phase two (Medtronic Corp. 1996).

Backer CL, Mavroudis, C: Cylexin PT-205 project; A Multicenter, double-blind, placebo controlled study to evaluate the efficacy and safety of CY-1503 in the prevention of reperfusion injury in neonates and infants undergoing hypothermic cardiopulmonary bypass during surgical repair of congenital heart defects. 1997-1999.

### Primary Investigator (Cont'd.)

Backer CL, Horn B, Mavroudis C: A Multi-Center Study to Evaluate the Efficacy, Safety, and Pharmacokinetics of Brevibloc for the Treatment of Hypertension in Infants and Children After Surgical Repair of Coarctation of the Aorta, IRB#2001-11666. (Sponsored by Baxter Corporation, 2001-2003).

Backer CL, Mavroudis, C: A Comparative, Evaluator-Masked, Randomized, Parallel, Multicenter Study to Determine the Safety and Effectiveness of REPEL-CV for Reducing Post-Operative Adhesions Following Pediatric Cardiothoracic Surgery, IRB# 2003-12080. (Sponsored by Life Medical Sciences, Inc., 2003)

### Collaborating Investigator

Przybylo HJ, Backer CL, Bysani GK: Oxygen free radical production during the repair of congenital heart defects. IRB #10516.

Mavroudis C, Backer CL: Secondary prospective study for the evaluation of the safety and effectiveness of cryopreserved human allograft heart valves, IRB# 10423. (Externally funded clinical trial, Cryolife and CryoInstitute, 1992-1995).

Mavroudis C, Backer CL: Optimization of an implantable artificial lung (Internally funded study, 1995-1996).  
Mavroudis C, Cook K, Backer CL: Intrathoracic Artificial Lung. NIH Grant (IR01BL59537-01), 1998-2001.

Crawford SE, Deal B, Mavroudis, C, Backer CL, Pahl E: Dr. Scholl Foundation: Molecular Basis of long Q-T Syndrome.

Crawford SE, Backer CL, Mavroudis, Pahl E, Gidding S: Regulation of Angiogenic Inhibitors in cardiac remodeling and hypertrophy. Children's Heart Foundation.

Curran RD, Mavroudis C, Backer CL, Hall SC: Inhaled nitric oxide therapy for pulmonary hypertension. American Heart Association Grant Proposal, submitted September 30, 1992, American Heart Association of Metropolitan Chicago. (Approved, not funded)

Crawford SE, Hsueh W, Mavroudis C, Backer CL: TNF-Alpha, PAF, and angiotensin II in cardiac allograft arteriosclerosis. American Heart Association Grant Proposal, submitted September 30, 1992, American Heart Association of Metropolitan Chicago. (Approved, not funded)

Mavroudis C, Steele JA, Backer CL: HAL-C coating solution for the reduction of post-surgical adhesions, IRB# 10510 (Externally funded clinical trial, Genzyme Corporation, 1992-1993). Mavroudis C, Backer CL, Webb C, Gottiner N, Randolph G, Bryk-Serva: Phase II Clinical Protocol 9202-99C Medtronic Contegra Pulmonary Valved Conduit, IRB# 2002-11565. (Sponsored by Medtronic Cooperation, 2001-2003).

### Consultant

Curran RD, Mavroudis C, Backer CL, Hall SC: Inhaled nitric oxide therapy for pulmonary hypertension. American Heart Association Grant Proposal, submitted September 30, 1992, American Heart Association of Metropolitan Chicago. (Approved, not funded)

Crawford SE, Hsueh W, Mavroudis C, Backer CL: TNF-Alpha, PAF, and angiotensin II in cardiac allograft arteriosclerosis. American Heart Association Grant Proposal, submitted September 30, 1992, American Heart Association of Metropolitan Chicago. (Approved, not funded)

Mavroudis C, Steele JA, Backer CL: HAL-C coating solution for the reduction of post-surgical adhesions (Externally funded clinical trial, Genzyme Corporation 1992-1993)

## SCHOLARLY PRODUCTIVITY

### Refereed Journal Articles

1. Backer CL, Tinker JH, Robertson DM, Vlietstra RE: Myocardial reinfarction following local anesthesia for ophthalmic surgery. Anesthesia and Analgesia 1980;59:257-62.
2. Backer CL, Sener SF, Scanlon EF: Complications of drainage system for modified radical mastectomy. Arch Surg 1982;117:859.
3. Backer CL, LoCicero J: Surgical management of esophageal disorders. Critical Care Quarterly 1986;9:12-9.
4. Backer CL, Shields TW, Lockhart CG, Vogelzang R, LoCicero J: Selective preoperative evaluation for possible N<sub>2</sub> disease in carcinoma of the lung. J Thorac Cardiovasc Surg 1987;93:337-43.
5. Idriss FS, Ilbawi MN, DeLeon SY, Duffy CE, Muster AJ, Backer CL, Berry TE, Paul MH: Transposition of the great arteries with intact ventricular septum. Arterial switch in the first month of life. J Thorac Cardiovasc Surg 1988;95:255-62.
6. Backer CL, Hartz RS, Meyers SN, Davis G: Coronary embolism following atrial septal defect repair. Ann Thorac Surg 1988;45:561-3.
7. DeLeon SY, Idriss FS, Ilbawi MN, Duffy CE, Benson DW Jr, Backer CL: Comparison of single versus multidose blood cardioplegia in arterial switch. Ann Thorac Surg 1988;45:548-53.
8. Backer CL, Ilbawi MN, Idriss FS, DeLeon SY: Vascular anomalies causing tracheoesophageal compression: Review of experience in children. J Thorac Cardiovasc Surg 1989;97:725-31.
9. DeLeon SY, Ilbawi MN, Idriss FS, Backer CL, Ohtake S, Zales VR, Muster AJ, Benson DW Jr: Direct tricuspid valve closure versus atrial partitioning in Fontan operation for complex lesions. Ann Thorac Surg 1989;47:761-4.
10. Backer CL, Ilbawi MN, Ohtake S, DeLeon SY, Muster AJ, Paul MH, Benson DW Jr, Idriss FS: Transposition of the great arteries: a comparison of results of the Mustard procedure versus the arterial switch. Ann Thorac Surg 1989;48:10-4.
11. DeLeon SY, Ilbawi MN, Backer CL, Idriss FS, Paul MH, Zales VR, Benson DW Jr: Exit block in pediatric cardiac pacing. Comparison of the suture-type and fishhook epicardial electrodes. J Thorac Cardiovasc Surg 1990;99:905-10.
12. Musemeche CA, Riveron FA, Backer CL, Zales VR, Idriss FS: Massive primary chylopericardium: a case report: J Ped Surg 1990;25:840-2.
13. Ilbawi MN, DeLeon SY, Backer CL, Duffy CE, Muster AJ, Zales VR, Paul MH, Idriss FS: An alternative approach to the surgical management of physiologically corrected transposition with ventricular septal defect and pulmonary stenosis or atresia. J Thorac Cardiovasc Surg 1990;100:410-5.
14. Backer CL, Idriss FS, Zales VR, Mavroudis C: Cardiac transplantation for hypoplastic left heart syndrome: a modified technique. Ann Thorac Surg 1990;50:894-8.
15. Backer CL, LoCicero J III, Hartz RS, Donaldson JS, Shields T: Computed tomography in patients with esophageal perforation. Chest 1990;98:1078-80.

Refereed Journal Articles (continued)

16. Backer CL, Ohtake S, Zales VR, LoCicero J III, Michaelis LL, Idriss FS: Living related lobar lung transplantation in beagle puppies. J Pediatr Surg 1991;26:429-33.
17. Backer CL, Zales VR, Harrison HL, Idriss FS, Mavroudis C: Intermediate term results of infant orthotopic cardiac transplantation from two centers. J Thorac Cardiovasc Surg 1991;101:826-32.
18. Cosentino CM, Backer CL, Idriss FS, Holinger LD, Gerson CR, Mavroudis C: Pericardial patch tracheoplasty for severe tracheal stenosis in children: intermediate results. J Pediatr Surg 1991;26:879-85.
19. Lowe GM, Donaldson JS, Backer CL: Vascular rings: Ten-year review of imaging. RadioGraphics 1991;11:637-46.
20. Backer CL, Idriss FS, Zales VR, Ilbawi MN, DeLeon SY, Muster AJ, Mavroudis C: Surgical management of the conal ventricular septal defect. J Thorac Cardiovasc Surg 1991;102:288-96.
21. Backer CL, Zales VR, Idriss FS, Lynch P, Benson DW Jr, Mavroudis C: Heart transplantation in neonates and n children. J Heart-Lung Transplantation 1992;11(2 Pt 1):311-9.
22. Idriss FS, Muster AJ, Paul MH, Backer CL, Mavroudis C: Ventricular septal defect with tricuspid pouch with and without transposition: Anatomic and surgical considerations. J Thorac Cardiovasc Surg 1992;103:52-9.
23. Backer CL, Idriss FS, Holinger, LD, Mavroudis C: Pulmonary artery sling: Results of surgical repair in infancy. J Thorac Cardiovasc Surg 1992;103:683-91.
24. Backer CL, Stout MJ, Zales VR, Muster AJ, Weigel TJ, Idriss FS, Mavroudis C: Anomalous origin of the left coronary artery. A twenty-year review of surgical management. J Thorac Cardiovasc Surg 1992;103:1049-58.
25. Mavroudis C, Zales VR, Backer CL, Muster AJ, Latson LA: Fenestrated Fontan with delayed catheter closure: Effects of volume loading and baffle fenestration on oxygen delivery. Circulation 1992;86(5 Suppl):II-85–II-92.
26. Zales VR, Wright K, Muster AJ, Backer CL, Mavroudis C: Ventricular volume growth after cardiac transplantation in infants and children. Circulation 1992;86(Suppl II):II-272–II-275.
27. Muster AJ, Zales VR, Ilbawi MN, Backer CL, Duffy CE, Mavroudis C: Biventricular repair of hypoplastic right ventricle assisted by pulsatile bidirectional cavopulmonary anastomosis. J Thorac Cardiovasc Surg 1993;105:112-9.
28. Jia H, Furukawa T, Singer DH, Sakakibara Y, Eager S, Backer CL, Arentzen CE, Wasserstrom JA: Characteristics of lidocaine block of sodium channels in single human atrial cells. J Pharmacol Exp Ther 1993;264:1275-84.
29. Zales VR, Crawford S, Backer CL, Lynch P, Benson DW Jr, Mavroudis C: Spectrum of humoral rejection following pediatric cardiac transplantation. J Heart-Lung Transplant 1993;12:563-72.
30. Kobayashi J, Backer CL, Zales VR, Crawford SE, Muster AJ, Mavroudis C: Failure of the Hemashield® extension in right ventricle-to-pulmonary artery conduits. Ann Thorac Surg 1993;56:277-81.

Refereed Journal Articles (continued)

31. Kobayashi J, Mavroudis C, Crawford SE, Zales VR, Backer CL: A new rat-infection transplant model: effect of infection on graft survival studies. J Heart-Lung Transplant 1993;12:659-64.
32. Votapka T, Backer CL, Mavroudis C: Giant popliteal false aneurysm in an eight-year-old child. J Pediatr Surg 1993;28:1594-6.
33. Backer CL, Winters RC, Zales VR, Takami H, Muster AJ, Benson DW Jr., Mavroudis C: Restrictive ventricular septal defect: How small is too small to close? Ann Thorac Surg 1993;56:1014-9.
34. Sakakibara Y, Furukawa T, Singer DH, Jia H, Backer CL, Arentzen CE, Wasserstrom JA. Sodium current in isolated human ventricular myocytes. Am J Physiol 1993;265 (4 Pt 2): H1301-H1309.
35. Backer CL, Vascular rings, slings, and tracheal rings. Mayo Clinic Proceedings 1993;68:1131-3.
36. Zales VR, Pahl E, Backer CL, Crawford S, Mavroudis C, Benson DW Jr: Pharmacologic reduction of pretransplantation pulmonary vascular resistance predicts outcome after pediatric heart transplantation. J Heart-Lung Transplant 1993;12:965-73.
37. Kobayashi J, Crawford SE, Backer CL, Zales VR, Takami H, Hsueh C, Huang L, Mavroudis C: Captopril reduces graft coronary artery disease in a rat heterotopic transplant model. Circulation, 1993;88(II):286-90.
38. Przybylo HJ, Stevenson GW, Backer CL, Luck SR, Webb CL, Morgan E, Hall SC: Anesthetic management of children with intracardiac extension of abdominal tumors. Anesthesia and Analgesia 1994;78:172-5.
39. Zales VR, Crawford S, Backer CL, Mavroudis C, Benson DW Jr: Role of endomyocardial biopsy in rejection surveillance after heart transplantation in neonates and children. J Am Coll Cardiol 1994;23:766-71.
40. Fetter JE, Backer CL, Muster AJ, Weigel TJ, Mavroudis C: Successful repair of a congenital left ventricle-to-coronary sinus fistulae. Ann Thorac Surg 1994;57:757-8.
41. Backer CL, Pensler J, Tobin GR, Mavroudis C: Vascularized muscle flaps for life threatening mediastinal wounds in children. Ann Thorac Surg, 1994;57:797-802.
42. Dunham M, Holinger LD, Backer CL, Mavroudis C: Management of severe congenital tracheal stenosis. Ann Otol Rhinol Laryngol, 1994;103:351-6.
43. Mavroudis C, Backer CL, Gevitz M: Forty six years of patent ductus arteriosus division at Children's Memorial Hospital of Chicago: Standards for comparison. Ann Surg 1994;220:402-10.
44. Zales, VR, Wright KL, Pahl E, Backer CL, Mavroudis C, Muster AJ, Benson DW Jr: Normal left ventricular muscle mass and mass/volume ratio after pediatric cardiac transplantation. Circulation 1994;90[Part 2]:II-61-II-65.
45. Koumi S, Arentzen CE, Backer CL, Wasserstrom JA: Alterations in muscarinic K<sup>+</sup> channel response to acetylcholine and to G protein-mediated activation in atrial myocytes isolated from failing human hearts. Circulation 1994;90:2213-24.
46. Moss L, Backer CL, Zales VR, Florentine MS, Mavroudis C: Tetralogy of Fallot with anomalous origin of the right coronary artery. Ann Thorac Surg 1995;59:229-31.

Refereed Journal Articles (continued)

47. Furukawa T, Koumi S, Sakakibara Y, Singer DH, Jia H, Arentzen CE, Backer CL, Wasserstrom JA: An analysis of lidocaine block of sodium current in isolated human atrial and ventricular myocytes. J Mol Cell Cardiol 1995;27:831-46.
48. Takami H, Backer CL, Crawford SE, Zales VR, Mavroudis C: Influence of gender on allograft rejection in a rat heart transplant model. J Heart Lung Transplant 1995;14:529-36.
49. Koumi S, Backer CL, Arentzen CE: Characterization of inwardly rectifying K<sup>+</sup> channel in human cardiac myocytes. Alterations in channel behavior in myocytes isolated from patients with idiopathic dilated cardiomyopathy. Circulation 1995;92:164-74.
50. Backer CL, Zales VR, Alboliras E, Mavroudis C: Repair of complete atrioventricular canal defects: Results with the two patch technique. Ann Thorac Surg 1995;60:530-7.
51. Backer CL, Paape K, Zales VR, Weigel TJ, Mavroudis C: Coarctation of the aorta: Repair with polytetrafluoroethylene patch aortoplasty. Circulation 1995;92(Suppl):II-132-II-136.
52. Curran RD, Mavroudis C, Backer CL, Zales VR, Wessel DG: Inhaled nitric oxide for children with congenital heart disease and pulmonary hypertension. Ann Thorac Surg 1995;60:1765-71.
53. Przybylo HJ, Stevenson GW, Schanbacher P, Backer CL, Dsida RM, Hall SC: Sodium nitroprusside metabolism in children during hypothermic cardiopulmonary bypass. Anesthesia & Analgesia 1995;81:952-6.
54. Bergamini TM, Bernard JD, Mavroudis C, Backer CL, Richardson JD: Coarctation of the abdominal aorta. Ann Vasc Surg 1995;9:352-6.
55. Koumi S, Backer CL, Arentzen CE, Sato R:  $\beta$ -Adrenergic modulation of the inwardly-rectifying potassium channel in isolated human ventricular myocytes: Alteration in channel response to  $\beta$ -Adrenergic stimulation in failing human hearts. J Clin Invest 1995;96:2870-81.
56. Mavroudis C, Backer CL, Muster AJ, Pahl ES, Sanders JH, Zales VR, Gevitz M: Expanding indications for pediatric coronary artery bypass. J Thorac Cardiovasc Surg 1996;111:181-9.
57. Takami H, Backer CL, Crawford SE, Pahl E, Mavroudis C: Diltiazem preserves direct vasodilator response but fails to suppress intimal proliferation in rat allograft coronary artery disease. J Heart Lung Transplant 1996;15:67-77.
58. Muster AJ, Ilbawi M, Backer CL, Berdusis K, Alboliras ET, Mavroudis C: Double-horned or caplike double outlet right ventricle: diagnosis and operative treatment. Ann Thorac Surg 1996; 61:823-8.
59. Mavroudis C, Backer CL, Muster AJ, Muster AJ, Rocchini AP, Rees AH, Gevitz M: Taussig-Bing anomaly: Arterial Switch vs. Kawashima intraventricular repair. Ann Thorac Surg 1996;61:1330-8.
60. Cook KE, Makarewicz AJ, Backer CL, Mockros LF, Pryzblo HJ, Crawford SE, Hernandez JM, Leonard RJ, Mavroudis C: Testing of an intrathoracic artificial lung in a pig model. ASAIO Journal 1996;42:604-9.
61. Mavroudis C, Backer CL: The two- patch technique for complete atrioventricular canal. Semin Thorac Cardiovasc Surg 1997;9:35-43.
62. Mavroudis C, Backer CL, Rocchini AP, Muster AJ, Gevitz M: Coronary artery fistulas in infants and children: A surgical review and discussion of coil embolization. Ann Thorac Surg 1997; 63:1235-42.

Refereed Journal Articles (continued)

63. Backer CL, Mavroudis C, Dunham ME, Holinger LD: Reoperation after pericardial patch tracheoplasty. J Ped Surg 1997;32:1108-12.
64. Mavroudis C, Backer CL, Deal, BJ: The total cavopulmonary artery Fontan connection using lateral tunnel and extracardiac techniques. Oper Tech Card Thorac Surg 1997;2:180-95.
65. Cheng ATL, Backer CL, Holinger LD, Dunham ME, Mavroudis C, Gonzalez-Crussi F: Histopathologic changes after pericardial patch tracheoplasty. Arch Otolaryngol Head Neck Surg 1997;123:1069-72.
66. Dayan SH, Dunham ME, Backer CL, Mavroudis C, Holinger LD: Slide tracheoplasty in the management of congenital tracheal stenosis. Ann Otol Rhinol Laryngol 1997;106:914-9.
67. Curran RD, Mavroudis C, Backer CL: Ascending aortic extension for right pulmonary artery stenosis associated with ventricular-to-pulmonary artery conduit replacement. J Card Surg 1997;12:372-9.
68. Mavroudis C, Backer CL, Deal BJ, Johnsrude CL: Fontan conversion to cavopulmonary connection and arrhythmia circuit cryoablation. J Thorac Cardiovasc Surg 1998;115:547-56.
69. Backer CL, Mavroudis C, Dunham ME, Holinger LD: Repair of congenital tracheal stenosis with a free tracheal autograft. J Thorac Cardiovasc Surg 1998;115:869-74.
70. Frank MW, Mavroudis C, Backer CL, Rocchini AP: Repair of mitral valve and subaortic mycotic aneurysm in a child with endocarditis. Ann Thorac Surg 1998;65:1788-90.
71. Veeragandham RS, Backer CL, Mavroudis C, Wilson AD: Traumatic left ventricular aneurysm and tricuspid insufficiency in a child. Ann Thor Surg 1998;66:247-8.
72. Muster AJ, Naheed ZJ, Backer CL, Mavroudis C: Is surgical ligation of an accessory left superior vena cava always safe? Pediatr Cardiol 1998;19:352-4.
73. Frank MW, Backer CL, Mavroudis C, Job AW: Axillary thoracoscopy. Ann Thorac Surg 1998;66:590-591.
74. Amin Z, Backer CL, Duffy CE, Mavroudis C: Does banding of the pulmonary artery affect pulmonary valve function after the Damus-Stansel-Kaye operation? Ann Thorac Surg 1998;66:836-41.
75. Backer CL, Mavroudis C, Zias E, Amin Z, Weigel TJ: Repair of coarctation with resection and extended end-to-end anastomosis. Ann Thorac Surg 1998;66:1365-71.
76. Zias EA, Mavroudis C, Backer CL, Kohr LM, Gotteiner NL, Rocchini AP: Surgical repair of the congenitally malformed mitral valve in infants and children. Ann Thorac Surg 1998;66:1551-9.
77. Veeragandham R, Backer CL, Mavroudis C: Surgical management of blunt cardiac trauma. Contemporary Surgery 1999;54:6-13.
78. Deal BJ, Mavroudis C, Backer CL, Johnsrude CL, Rocchini AP: Impact of arrhythmia circuit cyroablation during Fontan conversion for refractory atrial tachycardia. Am J Cardiol 1999;83:563-8.
79. Furman RH, Backer CL, Dunham ME, Donaldson J, Mavroudis C, Holinger LD: The use of balloon-expandable metallic stents in the treatment of pediatric tracheomalacia and bronchomalacia. Arch Otolaryngol Head Neck Surg 1999;125:203-7.

Refereed Journal Articles (continued)

80. Willekes CL, Backer CL, Mavroudis C: A 26-year review of pectus deformity repairs, including simultaneous intracardiac repair. Ann Thorac Surg 1999;67:511-8.
81. Johnsrude CL, Backer CL, Deal BJ, Strasburger JF, Mavroudis C: Transmural atrial pacing in patients with postoperative congenital heart disease. J Cardiovasc Electrophysiology 1999;10:351-7.
82. Mavroudis, C, Deal BJ, Backer CL, Johnsrude CL: The favorable impact of arrhythmia surgery on total cavopulmonary artery Fontan conversion. Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu 1999;2:143-56.
83. Crawford SE, Huang L, Hseuh W, Takami H, Gonzalez-Crussi F, Backer CL, Mu Y, Liu H, Mavroudis C: Captopril and platelet-activating factor (PAF) antagonist prevent cardiac allograft vasculopathy in rats: role of endogenous PAF and PAF-like compounds. J Heart Lung Transplant 1999;18:470-7.
84. Dodge-Khatami A, Backer CL, Dunham ME, Mavroudis C: Right aortic arch, right ligamentum, absent left pulmonary artery: a rare vascular ring. Ann Thorac Surg 1999;67:1472-4.
85. Backer CL, Mavroudis C, Dunham ME, Holinger LD: Pulmonary artery sling: results with median sternotomy, cardiopulmonary bypass, and reimplantation. Ann Thorac Surg 1999;67:1738-45.
86. Hillman ND, Mavroudis C, Backer CL, Duffy CE: Supraarterial decompression myotomy for myocardial bridging in a child. Ann Thorac Surg 1999;68:244-6.
87. Pahl E, Crawford SE, Swenson JM, Duffy CE, Fricker FJ, Backer CL, Mavroudis C, Chaudhry FA: Dobutamine stress echocardiography: experience in pediatric heart transplant recipients. J Heart Lung Transplant 1999;18:725-32.
88. Mavroudis C, Backer CL, Duffy CE, Pahl E, Wax DF: Pediatric coronary artery bypass for Kawasaki, congenital, post-arterial switch, and iatrogenic lesions: Ann Thorac Surg 1999; 68: 506-12.
89. Alboliras ET, Mavroudis C, Pahl E, Gidding SS, Backer CL, Rocchini AP: Left ventricular growth in selected hypoplastic left ventricles: outcome after repair of coarctation of aorta. Ann Thorac Surg 1999;68:549-55.
90. Mavroudis C, Backer CL, Kohr LM, Deal BJ, Stinios J, Muster AJ, Wax DF: Bidirectional Glenn shunt in association with congenital heart repairs: the 1 ½ ventricular repair. Ann Thorac Surg 1999;68:976-82.
91. Dodge-Khatami A, Backer CL, Holinger LD, Baden HP, Mavroudis C: Complete repair of tetralogy of Fallot with absent pulmonary valve including the role of airway stenting. J Card Surg 1999;14:82-91.
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101. Backer, CL: Ebstein's anomaly and tricuspid atresia. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Chicago, January 9, 1996.
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128. Cheng ATL, Backer CL, Holinger LD, Mavroudis C, Dunham ME, Gonzalez Crussi F: Histopathological changes following pericardial patch tracheoplasty. 12th Annual Meeting, American Society of Pediatric Otolaryngology, Scottsdale, AZ, May 14, 1997.
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140. Backer CL, Mavroudis C, Dunham M, Holinger LD: Repair of congenital tracheal stenosis with a free tracheal autograft. Congenital Heart Surgeon's Society Annual Meeting, Chicago, September 12, 1997,
141. Backer CL: Surgery for congenital heart disease: New perspectives for the 21st century. 59th Annual International Meeting, Mayo Alumni Association, Rochester, MN, September 13, 1997.
142. Portnoy JD, Baden HP, Backer CL, Mavroudis C, Green TP: The effect of ultrafiltration on the post-operative course of infants and children following cardiopulmonary bypass. Pediatric Critical Care Colloquium. Hot Springs, AR, September 17-20, 1997.
143. Backer CL, Mavroudis C, Dunham M, Holinger LD: Repair of congenital tracheal stenosis with a free tracheal autograft. Society of Clinical Surgery, Chicago, November 7, 1997.
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149. Backer CL, Mavroudis C, Zias E, Amin Z, Weigel TJ: Repair of coarctation with resection and extended end-to-end anastomosis. 34<sup>th</sup> Annual Meeting, Society of Thoracic Surgeons, New Orleans, LA, January 27, 1998.
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151. Pahl E, Crawford SE, Gidding SS, Rodgers S, Backer CL, Mavroudis C: Reversal of severe late graft failure after pediatric heart transplantation: Possible roles of plasmapheresis and vascular endothelial growth factor. 18th Annual Meeting, International Society for Heart and Lung Transplantation, Chicago, April 15-18, 1998. J Heart & Lung Transplant 1998, 17:61.
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155. Backer CL, Indications and results of heart surgery and pediatric heart transplant. Specialty Review in Pediatric Cardiology, National Center for Advanced Medical Education, Chicago, June 24, 1998.
156. Backer CL, Mavroudis C, Gidding SS, Rodgers S, Pahl E, Crawford SE: Bicaval versus right atrial heart transplantation in children. Annual Meeting, Congenital Heart Surgeon's Society, Chicago, September 18, 1998.
157. Backer CL, Mavroudis C, Gidding SS, Rodgers S, Pahl E, Crawford SE: Bicaval versus right atrial heart transplantation in children. 22<sup>nd</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Indianapolis, IN, September 25, 1998.
158. Backer CL: A fifty-year experience with vascular rings and slings at Children's Memorial Hospital. 8th Annual Farouk S. Idriss Memorial Lecture, Chicago, October, 2, 1998.
159. Checchia PA, Backer CL, Bronicki RA, Thill P, Green TP, Mavroudis C: Glucocorticoid treatment decreases myocardial injury as measured by troponin release in children undergoing cardiopulmonary bypass. 71<sup>st</sup> Scientific Sessions, American Heart Association, Dallas, TX, November 9-11, 1998. Circulation 1998;17(Suppl):I-547.
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Presentations and Abstracts (continued)

162. Mavroudis C, Backer CL, Duffy CE, Wax D, Pahl ES: Pediatric coronary artery bypass for Kawasaki's disease, congenital lesions, post-arterial switch, and other iatrogenic obstructions. 35th Annual Meeting, Society of Thoracic Surgeons, San Antonio, TX, January 25-27, 1999.
163. Backer CL, Mavroudis C, Dunham ME, Holinger LD: Pulmonary artery sling: results with median sternotomy, cardiopulmonary bypass, and reimplantation. 35th Annual Meeting, Society of Thoracic Surgeons, San Antonio, TX, January 25-27, 1999.
164. Mavroudis C, Backer CL, Muster A, Kohr LM, Makarewicz A, Deal B, Wax : In-parallel bidirectional glenn shunt in association with congenital heart repairs: the one and one-half ventricular repair. 35th Annual Meeting, Society of Thoracic Surgeons, San Antonio, TX, January 25-27, 1999.
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167. Ringewald JM, Gidding SS, Wax DF, Crawford SE, Rodgers S, Shah SR, Pahl E, Backer CL, Mavroudis C: Non-compliance causing late acute rejection in pediatric heart transplantation. 19<sup>th</sup> Annual Meeting, International Society for Heart and Lung Transplantation, San Francisco, CA, April 21-24, 1999, J Heart Lung Transplant 1999;18:70.
168. Dodge-Khatami A, Backer CL, Mavroudis C: Surgical strategy for coarctation based on a 40-year review of recoarctation risk factors. 13th Annual Meeting, European Association for Cardio-Thoracic Surgery, Glasgow, Scotland, September 5-8, 1999.
169. Backer CL, Hillman N, Mavroudis C: ALCAPA: Successful surgical strategy in 18 consecutive children. Annual Meeting, Congenital Heart Surgeons' Society, Chicago, September 17, 1999.
170. Hillman ND, Backer CL, Mavroudis C, Duffy E.: The Ross operation in children. 23rd Annual Meeting, Midwest Pediatric Cardiology Society, Ann Arbor, MI, September 23-24, 1999.
171. Backer CL, Mavroudis C, Dunham ME, Holinger LD: Intermediate term results of the free tracheal autograft for long segment congenital tracheal stenosis. Section on Surgery, 51st Annual Meeting, American Academy of Pediatrics, Washington DC, October 9-11, 1999.
172. Backer CL: Tracheal restoration in children: Tracheoplasty for congenital tracheal stenosis. Multidisciplinary Panel Sponsored by the Program Committee and the Advisory Council for Pediatric Surgery. 85th Annual Clinical Congress, American College of Surgeons, San Francisco, CA, October 12, 1999.
173. Dodge-Khatami A, Backer CL, Crawford SE, Cook KE, Holinger LD, Mavroudis C: Topical vascular endothelial growth factor (VEGF) enhances free tracheal autograft healing in an experimental rabbit model of tracheal reconstruction. Surgical Forum, American College of Surgeons, San Francisco, CA, October 13, 1999.
174. Backer CL: Post-operative care after congenital heart surgery. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Chicago, October 30, 1999.

Presentations and Abstracts (continued)

175. Backer CL: Patent ductus arteriosus, vascular rings, coarctation of the aorta, interrupted aortic arch, and hypoplastic left heart syndrome. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Chicago, October 30, 1999.
176. Backer CL: Atrial septal defect, partial anomalous pulmonary venous connection, atrioventricular canal defect. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Chicago, November 1, 1999.
177. Backer CL: Ebstein's anomaly, tricuspid atresia. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Chicago, November 1, 1999.
178. Mavroudis C, Backer CL: Arterial switch after failed atrial baffle procedure for transposition. 46<sup>th</sup> Annual Meeting, Southern Thoracic Surgical Association, Puerto Rico, November 4-6, 1999.
179. Backer CL: Hypoplastic left heart syndrome: Surgical treatment of advanced disease. Symposium on Hypoplastic Left Heart Syndrome, Maywood, IL, November 20, 1999.
180. Backer CL: Pectus repair. Meet the Experts Session, 36th Annual Meeting, Society of Thoracic Surgeons, Ft. Lauderdale, FL, February 2, 2000.
181. Mavroudis C, Backer CL, Deal BJ, Johnsrude CL: Arrhythmia surgery and Fontan conversion. Congenital Heart Disease Symposium, American Association for Thoracic Surgery, Toronto, Ontario Canada, April 30, 2000.
182. Johnsrude CL, Deal BJ, Mavroudis C, Backer CL: Incidence of atrial arrhythmias prior to Fontan surgery: indications for "prophylactic" surgical intervention. 21<sup>st</sup> Annual Meeting, North American Society of Pacing and Electrophysiology, Washington DC, May 17, 2000.
183. Backer CL, Mavroudis, C, Deal BJ, Johnsrude CL: Intermediate term results of Fontan conversion with arrhythmia surgery. 24<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Milwaukee, WI, September 15, 2000.
184. Backer CL, Mavroudis C, Gerber M, Holinger L: Tracheal Surgery in children: An 18 year review of four techniques. European Association for Cardio-Thoracic Surgery. Frankfurt, Germany, October 8, 2000.
185. Backer CL: Long segment congenital tracheal stenosis with complete tracheal rings. Pediatric Airway Endoscopy Course, Chicago, October 21, 2000.
186. Backer CL: Post-operative care after congenital heart surgery. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Oak Brook, IL, October 28, 2000.
187. Backer CL: Patent Ductus Arteriosus, Vascular Rings, Coarctation of the Aorta, Interrupted Aortic Arch, and Hypoplastic Left Heart Syndrome. Specialty review in Thoracic Surgery, National Center for Advanced Medical Education, Oak Brook, IL, October 28, 2000.
188. Backer CL: Atrial Septal Defect, Partial Anomalous Pulmonary Venous Connection, Atrioventricular Canal Defect. Specialty review in Thoracic Surgery, National Center for Advanced Medical Education, Oak Brook, IL, October 30, 2000.
189. Backer CL: Ebstein's anomaly, tricuspid atresia. Specialty Review in Thoracic Surgery, National Center for Advanced Medical Education, Oak Brook, IL, October 30, 2000.

Presentations and Abstracts (continued)

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196. Backer CL: Pediatric tracheal reconstruction. 37<sup>th</sup> Annual Meeting, Society of Thoracic Surgeons, New Orleans, LA, January 30, 2001.
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214. Deal B, Mavroudis C, Backer CL: Beyond Fontan: Surgical therapy of arrhythmias in young patients. 38<sup>th</sup> Annual Meeting, Society of Thoracic Surgeons, Ft. Lauderdale, FL, January 30, 2002.
215. Backer CL: Surgical techniques of mitral valve repair. 2<sup>nd</sup> International Symposium on Pediatric Echocardiography, St. Petersburg, FL, February 1, 2002.
216. Backer CL: Surgical management of interventional transcatheter complications. Congenital Heart Surgery Symposium, 82<sup>nd</sup> Annual Meeting, American Association for Thoracic Surgery, Washington DC, May 5, 2002.
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222. Backer CL: A history of pediatric tracheal surgery. 49<sup>th</sup> Annual Meeting, Southern Thoracic Surgical Association, Miami Beach, FL, November 8, 2002.
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226. Backer CL, Holinger LD, Mavroudis C: Vascular rings and pulmonary artery sling: 1946-2003. 27<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Rochester, MN, September 19, 2003.
227. Kim P, Franklin W, Duffy E, Gotteiner N, Webb C, Mavroudis C, Backer CL, Parilli N, Deal B. Accuracy of transesophageal echocardiography in detecting right atrial thrombus in patients after the Fontan operation. 27<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Rochester, MN, September 19, 2003.
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229. Mavroudis C, Deal BJ, Backer CL: Surgery for arrhythmias in children. 2nd Joint European/North American Symposium on Congenital Heart Disease in the Adult, Santorini, Greece, September 19-20, 2003.
230. Backer CL, Mavroudis C, Holinger LD: Vascular rings & pulmonary artery sling. Annual Meeting, Congenital Heart Surgeons' Society, Chicago, September 29, 2003.
231. Seipelt IM, Pahl E, Seipelt RG, Mavroudis C, Backer CL, Cornwell M: Neointimal inflammation and adventitial angiogenesis correlate with severity of cardiac allograft vasculopathy in pediatric cardiac recipients. 76<sup>th</sup> Scientific Sessions, American Heart Association, Orlando, FL, November 9-12, 2003.

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234. Backer CL: Valve repair techniques for the aortic valve and truncal valve. Controversies of Switch, Ross and Right Ventricular Outflow Tract Procedures, 4<sup>th</sup> International Symposium on Congenital Heart Disease, St. Petersburg, FL, February 16, 2004.
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238. Backer CL: Congenital heart surgery – indications, techniques, and results. Specialty Review in Pediatric Cardiology, National Center for Advanced Medical Education, Chicago, July 15, 2004.
239. Backer CL, Mavroudis C, Stewart RD, Franklin W, Deal BJ: The impact of AV valve repair during Fontan conversion and arrhythmia surgery. 28<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Cleveland, OH, September 9-10, 2004.
240. Stewart RD, Backer CL, Mavroudis C, Young L: Tetralogy of Fallot: results of a pulmonary valve-sparing strategy. 28<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Cleveland, OH, September 9-10, 2004.
241. Mavroudis C, Backer CL, Stewart RD, Franklin W, Deal BJ: The impact of AV valve repair during Fontan conversion and arrhythmia surgery. Annual Meeting, Congenital Heart Surgeons' Society, Montreal, Canada, October 2-4, 2004.
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246. Costello JM, Backer CL, Checchia PA, Mavroudis C, Seipelt RG, Goodman DM: Impact of cardiopulmonary bypass and surgical intervention on the natriuretic hormone system in children. Poster presentation, Cardiology 2005, Orlando, FL, February 16-20, 2005.
247. Backer CL: Atrial arrhythmias after the Fontan operation: results of Fontan conversion, the Children's Memorial Hospital experience, 1994-2004. 69<sup>th</sup> Annual Scientific Meeting, Japanese Circulation Society, Yokohama, Japan, March 19-21, 2005. Circ J 2005;69(Suppl I):33.
248. Backer CL: Surgery for arrhythmias and cardiac failure in adults with congenital heart disease after repair. Japanese Society of Adult Congenital Heart Disease (JSACHD), Yokohama, Japan, March 20, 2005.
249. Backer CL, Stewart RD, Mavroudis C: Surgical closure of ventricular septal defects: standards for comparison. Fourth World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina, September 18-22, 2005.
250. Deal BJ, Backer CL, Mavroudis C, Tsao S: Evolving pacemaker and anti-tachycardic device management of arrhythmias following Fontan conversion. Fourth World Congress of Pediatric Cardiology and Cardiac Surgery, Buenos Aires, Argentina, September 18-22, 2005.
251. Backer CL: Surgery in tetralogy of Fallot. 27<sup>th</sup> Annual Program, ECHO Northwestern, Chicago, October 17, 2005
252. Backer CL, Mavroudis C, Stewart RD: Surgical closure of ventricular septal defects: standards for comparison. 29<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Iowa City, IA, October 20-21, 2005.
253. Tsao S, Backer CL, Mavroudis C, Deal BJ: Evolving pacemaker and anti-tachycardic device management of arrhythmias following Fontan conversion. 29<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Iowa City, IA, October 20-21, 2005.
254. Stewart RD, Hillman ND, Backer CL, Mavroudis C. The Ross operation in children: effects of aortic annuloplasty. 29<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Iowa City, IA, October 20-21, 2005.
255. Stewart RD, Backer CL, Mavroudis C. Use of partial cardiopulmonary bypass for coarctation repair via left thoracotomy in children without collaterals. 29<sup>th</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Iowa City, IA, October 20-21, 2005.
256. Backer CL. Vascular rings and pectus repair. Children's Memorial Hospital's 2005-2006 Pediatric Pearls: Surgical Dilemmas Continuing Medical Education Series, Oak Brook, IL, November 18, 2005.
257. Stewart RD, Hillman N, Backer CL, Mavroudis C. The Ross operation in children: effects of aortic annuloplasty. 42<sup>nd</sup> Annual Meeting, Society of Thoracic Surgeons, Chicago, January 30-February 1, 2006.

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259. Backer CL. Congenitally corrected transposition of the great arteries: classic & 1 ½ ventricle repair. Sixth Annual International Symposium on Congenital Heart Disease, St. Petersburg, FL, February 18-22, 2006.
260. Backer CL. Vascular ring surgery. Annual Meeting, Society for Thoracic Surgical Education, White Sulphur Springs, WV, April 6-8, 2006.
261. Backer CL. Complete atrioventricular canal: overview, history, anatomy, timing, results. Congenital Heart Disease Symposium, 86<sup>th</sup> Annual Meeting, American Association for Thoracic Surgery, Philadelphia, PA, April 30, 2006.
262. Backer CL, Stewart RD, Mavroudis C, Deal BJ, Pophal SG, Franklin W, Tsao S, Pahl E. Heart transplantation for the failing Fontan [abstract]. Am J Transplant 2006;6:732:P328-II
263. Backer CL, Stewart RD, Bailliard F, Kelle AM, Webb CL, Mavroudis C. Complete atrioventricular canal: a comparison of the modified single-patch technique to the two-patch technique. 43<sup>rd</sup> Annual Meeting of the Society of Thoracic Surgeons, San Diego, CA, Jan. 27-31, 2007.
264. MacIver RH, Stewart RD, Backer CL, Deal BJ, Franklin WH, Tsao S, Mavroudis C. Implantable cardiac defibrillators in the pediatric population. Second Annual Academic Surgical Congress, Phoenix, AZ, February 6-9, 2007.
265. MacIver RH, Mavroudis C, Stewart RD, Backer CL, Tsao S, Harrington D. Ablation of the atrioventricular node in a rabbit model. Second Annual Academic Surgical Congress, Phoenix, AZ, February 6-9, 2007.
266. Backer CL, Kelle AM, Stewart RD, Suresh SC, Ali FN, Seshadri R, Mavroudis C. Aprotinin is Safe in Pediatric Patients undergoing Cardiac Surgery. 87<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery, Washington, DC, May 5-9, 2007.
267. Backer CL. Maze Procedure in Single Ventricle Patients. 87<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery, Washington, DC, May 5-9, 2007.
268. Backer CL. The Fontan Operation: Then and Now Evolution and Conversion. Grand Rounds Presentation, University of Pittsburgh, Heart, Lung, and Esophageal Surgery Institute, June 6, 2007.
269. Backer CL. Fontan Conversion and Arrhythmia Surgery. 50<sup>th</sup> Annual Meeting of Kansai Association for Thoracic Surgery, Osaka, Japan, June 20-21, 2007.
270. Speicher PJ, Backer CL, Koenig PR, Kelle AM, Mavroudis C. Trends in repair of partial atrioventricular canal. 31<sup>st</sup> Annual Meeting of the Midwest Pediatric Cardiology Society, St. Louis, MO, September 28, 2007.
271. Kelle AM, Backer CL, Tsao S, Deal BJ, Mavroudis C. Optimizing the outcome of primary Fontan: Lessons learned from Fontan conversion. 31<sup>st</sup> Annual Meeting of the Midwest Pediatric Cardiology Society, St. Louis, MO, September 28, 2007.

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272. Backer CL, Lodge AJ, Wells WJ, O'Brien JE Jr, Austin EH, Bacha EA, Yeh T, Lavin P, Weinstein S. A novel bioresorbable film reduces postoperative adhesions after infant cardiac surgery. 31<sup>st</sup> Annual Meeting of the Midwest Pediatric Cardiology Society, St. Louis, MO, September 28, 2007.
273. Deal BJ, Backer CL, Ward KM, Tsao S, Dechert B, de Freitas A, Franklin WH, Mavroudis C. Medical characteristics and midterm outcome: 100 consecutive Fontan conversions with arrhythmia surgery. *Circulation* 2007;116(Suppl II):II-414. Abstract 1923.
274. Backer CL. TOF Surgeries — What I think is important: pulmonary valve preservation. 8<sup>th</sup> Annual International Symposium on Congenital Heart Disease. All Children's Hospital, St. Petersburg, FL, Feb. 16-19, 2008.
275. Backer CL. Modified single-patch repair of AV canal. 54<sup>th</sup> Annual Conference, Indian Association of Cardiovascular Thoracic Surgeons, Pune, India, Feb. 21-24, 2008.
276. Backer CL. Vascular rings and pulmonary artery sling. 54<sup>th</sup> Annual Conference, Indian Association of Cardiovascular Thoracic Surgeons, Pune, India, Feb. 21-24, 2008.
277. Backer CL. Fontan conversion and arrhythmia surgery. Department of Cardiothoracic and Vascular Surgery, All India Institute of Medical Sciences, New Delhi, India, Feb. 25, 2008.
278. Backer CL. Long-term outcomes of coarctation repair: surgery is the best primary treatment for aortic coarctation. 57<sup>th</sup> Annual Scientific Sessions, American College of Cardiology, Chicago, IL, March 29-April 1, 2008.
279. Pahl E, Petroski RA, Rodgers S, Sullivan C, Mavroudis C, Backer CL. Ten year survivors of pediatric heart transplantation: current status and increased incidence of serious complications between 5 and 10 years after transplantation. American Transplant Congress, Ontario, Canada, May 31-June 4, 2008.
280. Backer CL. CTSNet: Web-based global education celebrating 10 years of service to the cardiothoracic community. World Society for Pediatric and Congenital Heart Surgery, Montreal, Canada, June 21, 2008.
281. Backer CL, Kelle AM, Mavroudis C, Rigsby CK, Kaushal S, Holinger L. Tracheal reconstruction with unilateral lung agenesis or severe hypoplasia. European Congenital Heart Surgeons Association and Congenital Heart Surgeons' Society Combined Meeting, Warsaw, Poland, Sept. 11-12, 2008.
282. Backer CL. Congenital heart surgery: indications, techniques, and results. University of Illinois at Chicago College of Medicine-Society of Pediatric Cardiology Training Directors-Children's Memorial Hospital, Specialty Review in Pediatric Cardiology, September 15-19, 2008, Chicago, IL.
283. Backer CL, Kaushal S, Patel J, Patel S, Wax D, Mavroudis C: Coarctation of the aorta: long-term outcomes of resection with extended end-to-end anastomosis. 32<sup>nd</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Minneapolis, MN, September 25-26, 2008.
284. Kelle AM, Backer CL, Gossett JG, Kaushal S. Total anomalous pulmonary venous connection: results of surgical repair of 100 patients at a single institution. 32<sup>nd</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Minneapolis, MN, September 25-26, 2008.
285. Kelle AM, Young L, Kaushal S, Backer CL. The Gerbode VSD: The significance of a left ventricle to right atrial shunt. 32<sup>nd</sup> Annual Meeting, Midwest Pediatric Cardiology Society, Minneapolis, MN, September 25-26, 2008.

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286. Backer CL. Aprotinin: the good, the bad, and the ugly. Postgraduate Program, 55<sup>th</sup> Annual Meeting, Southern Thoracic Surgical Association, Austin, TX, November 6, 2008.
287. Backer CL, Kelle AM, Rigsby CK, Mavroudis C, Kaushal S, Holinger L: Tracheal reconstruction in children with unilateral lung agenesis or severe hypoplasia. 45th Annual Meeting, Society of Thoracic Surgeons, San Francisco, CA, January 26-28, 2009.
288. Kaushal S, Backer CL, Patel JN, Patel SK, Wax D, Mavroudis C: Coarctation of the aorta: long-term outcomes of resection with extended end-to-end anastomosis. 45th Annual Meeting, Society of Thoracic Surgeons, San Francisco, CA, January 26-28, 2009.
289. Patel A, Hickey E, Mavroudis C, Jacobs JP, Jacobs ML, Backer CL, Gevitz M, Mavroudis CD. Impact of syndromic abnormalities on outcomes in hypoplastic left heart syndrome. 45th Annual Meeting, Society of Thoracic Surgeons, San Francisco, CA, January 26-28, 2009.
290. Backer CL. Surgery for Atrioventricular Septal Defects. 9<sup>th</sup> Annual International Symposium on Congenital Heart Disease, St. Petersburg, FL, Feb. 13-17, 2009.