

C u r r i c u l u m V i t a e

M A R K D A V I D P L U N K E T T , M . D .

Associate Professor of Surgery
Frank C. Spencer Chair of Surgery
Chief, Division of Cardiothoracic Surgery
University of Kentucky College of Medicine
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Education:	Duke University, B.S.	1978-82
	University of North Carolina, M.D.	1982-86
Residency:	Duke University Medical Center	1986-95
	Director: <i>David C. Sabiston, Jr., MD</i>	
	Intern in Surgery	1986-87
	Junior Resident in Surgery	1987-88
	Fellow in Cardiovascular Research	1988-90
	Senior Resident in Surgery	1990-92
	Chief Resident in General Surgery	1992-93
Fellowship:	Duke University Medical Center	
	Directors: <i>David C. Sabiston, Jr., MD</i> <i>Robert W. Anderson, MD</i>	
	Fellow in Cardiothoracic Surgery	1993-95
Fellowship:	UCLA Medical Center	
	Director: <i>Hillel Laks, MD</i>	
	Fellow in Pediatric Cardiac Surgery and Heart/Lung Transplantation	1995-96
Academic Appointments:	UCLA School of Medicine	

Visiting Assistant Professor of Surgery	1995-1996
University of Illinois College of Medicine Assistant Clinical Professor of Surgery	1996-99
UCLA School of Medicine Assistant Professor of Surgery	1999-2003
Associate Professor of Surgery with Tenure	2003-2007
UK College of Medicine Associate Professor of Surgery	2007-present
Associate Professor of Pediatrics	

Administrative
Appointments:

UK College of Medicine Department of Surgery Division of Cardiothoracic Surgery	
Chief, Division of Cardiothoracic Surgery	2007-present
Director, Pediatric and Congenital Heart Surgery Kentucky Children's Hospital	2007-present
Program Director, UK Thoracic Surgery Residency Program	2007-present
Surgical Director, UK Gill Heart Institute	2007-present
UCLA School of Medicine Department of Surgery Division of Cardiothoracic Surgery	
Chief, Pediatric and Congenital Heart Surgery Mattel Children's Hospital	2006-2007
Program Director, Ventricular Assist Devices and Cardiac Mechanical Support	2002-2007
Program Director, UCLA Thoracic Surgery Residency Program	2003-2007
Associate Program Director, UCLA Thoracic Surgery Residency Program	1999-2003
Program Director, Cardiothoracic Surgery Fellowship Training Programs in Pediatric Cardiac Surgery and Heart/Lung Transplantation	1999-2007

	Surgical Director, Pediatric Heart Transplantation Program	2000-2007
	Director, UCLA Pediatric ECMO program	2004-2007
	Director, Cardiothoracic Surgery Grand Rounds and Visiting Professor Program	1999-2007
Faculty Teaching Appointments and Courses:	Duke University School of Medicine Clinical Instructor in Surgery	1993-95
	UCLA School of Medicine Clinical Instructor in Surgery	1995-96
	University of Illinois College of Medicine Assistant Professor of Surgery	1996-99
	UCLA School of Medicine Assistant Professor of Surgery	1999-2002
	UCLA School of Medicine Associate Professor of Surgery	2003-2007
	UCLA School of Medicine Course Chair, Senior Medical Student Subinternship in Pediatric Heart Surgery Course SU386.02	2002-2007
	UCLA School of Medicine Course Chair, Medical Student Clerkship Thoracic and Cardiovascular Surgery Course SU410.02	2005-2007
	UCLA School of Medicine Short Term Training Program (STTP) Medical Student Summer Research Simin Bahrami J Neelankavil Joe Springer Meena Said	2002-2007
	UK College of Medicine Associate Professor of Surgery	2007-present
	UK College of Medicine Student Mentorship Program Cara Lawrence	2008-present

Hospital and Clinical
Appointments:

UK Chandler Medical Center Lexington, Kentucky Active Staff Pediatric and Adult Cardiothoracic Surgery	2007-present
Kentucky Children's Hospital Lexington, Kentucky Active Staff Pediatric Cardiothoracic Surgery	2007-present
UCLA Center for the Health Sciences Westwood, California Active Staff Pediatric and Adult Cardiothoracic Surgery	1999-2007
Mattel Children's Hospital at UCLA Westwood, California Active Staff Pediatric Cardiothoracic Surgery	1999-2007
Ahmanson/UCLA Adult Congenital Heart Disease Center Westwood, California Active Staff Adult Congenital Cardiothoracic Surgery	1999-2007
Santa Monica /UCLA Hospital Santa Monica, California Active Staff Adult Cardiothoracic Surgery	1999-2001
West LA VA Medical Center Los Angeles, California Active Staff Adult Cardiothoracic Surgery	1999-2004
Harbor UCLA Medical Center Torrance, California Consultant Staff Adult Cardiothoracic Surgery	2000-2007
OSF Saint Francis Medical Center Children's Hospital of Illinois Peoria, Illinois Active Staff Pediatric and Adult Cardiothoracic Surgery	1996-99

Professional
Societies:

American Society for Artificial Internal Organs	2008
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Southern Thoracic Surgical Association	2008
World Society for Congenital and Pediatric Cardiac Surgery	2007
Western Society of Pediatric Cardiology	2005
International Society for Heart and Lung Transplantation	2001
Society of Thoracic Surgeons	1998
American Heart Association	1998
<i>William P. Longmire, M.D.</i> Surgical Society	1996
New York Academy of Science	1996
American Association for the Advancement of Science	1996
<i>David C. Sabiston, Jr. M.D.</i> Surgical Society	1993
American Medical Association	1986

University
Committees:

University of Illinois

Heart Transplant Selection Committee
General Surgery Education Committee

UCLA

Dept. of Surgery Resident Education Council
Enterprise Business Development and Outreach Group Committee
Healthcare Strategy Committee
Dept of Surgery Alliance Committee, Chair
Clinical Pathways in Congenital Heart Surgery Committee
Heart Transplantation Executive Committee
Heart and Heart-Lung Transplant Selection Committee
Multidisciplinary Pediatric Heart Transplant Committee
Ventricular Assist Device Review Committee
UCLA Replacement Hospital OR Planning Committee

University of Kentucky

OR Executive committee
Dept Surgery Executive Committee
Heart and Lung Transplant Committee
UK Chandler Replacement Hospital OR Planning Committee
GME Resident Education Committee
Markey Cancer Center Director Search Committee

National
Committees:

American Board of Thoracic Surgery (ABTS)
SESATS Congenital Heart Surgery Subcommittee

Thoracic Surgery Director's Association (TSDA)

TSDA Core Curriculum Committee

International Society of Heart and Lung Transplantation (ISHLT)
Pediatric Scientific Council

American Heart Association (AHA)
Council on Cardiothoracic and Vascular Surgery
Council on Cardiovascular Disease in the Young

Society of Thoracic Surgeons (STS)
Congenital Surgery Symposium Task Force 2008

Society of Thoracic Surgeons (STS)
2010 Program Planning Workforce 2009

Society of Thoracic Surgeons (STS)
Co-Chair Surgical Symposium Task Force
Chair, Congenital Surgical Symposium 2009

Editorial Board
Guest Reviewer:

*Journal of Thoracic and Cardiovascular
Surgery* 2000-present

Annals of Thoracic Surgery 2002-present

*Journal of heart and Lung
Transplantation* 2008-present

American Heart Journal 2008-present

Certifications:

American Board of Thoracic Surgery
Certificate # 5872 1996
Recertification 2005

American Board of Surgery
Certificate # 39873 1994

National Board of Medical Examiners
Certificate # 334018 1987

	National Drug Enforcement Agency (DEA) Certificate # BP4680953	1996
Medical Licensures:	North Carolina State Board of Medical Examiners Certificate # 93-00281 7/31/1993	1993
	California State Board of Medical Examiners Certificate # G080946 4/5/1995	1995
	Illinois State Board of Medical Examiners Certificate # 036093440 7/12/1996	1996
	Kentucky Board of Medical Licensure Certificate # 42233 4/3/2008	2008
Honors and Awards:	Best Doctors in America	2009
	UCLA Honoree, Gala del Sol Fundraising Benefit, Camp Del Corozon for Children with CHD	2006
	Davison Society " <i>Excellence in Teaching</i> " Award Duke University School of Medicine	1995
	North Carolina Board of Governors Scholarship UNC School of Medicine	1982-86
	Willis Smith Academic Scholarship Duke University	1978-82
	Magna cum Laude Duke University	1982
	Phi Eta Sigma Honor Society Duke University	1978
Fundraising and Charity:	" <i>Camp Del Corozon</i> " Advisory Board Honoree	2004-present 2007
	" <i>Corozon Desperanza</i> " " <i>Hearts with Hope</i> " Foundation	2005-present
	Mending Kids Foundation	2005-present

Direct Mechanical Ventricular Actuation using the Anstadt Cardiac Assist Device

Optimal Temperature Preservation for Cardiac Transplantation

Gas Denucleation of Bioprosthetic Vascular Grafts

Cardiac Metabolism and Function Following Global Ischemia

Nitric Oxide Metabolism and Pulmonary Hypertension in a Porcine Model

UNC Medical Center
Neurophysiology Research 1982-85
Principal Investigator: Edward R. Perl, M.D.
Professor of Physiology
University of North Carolina
School of Medicine

Central and Spinal Cord Projections of Afferent C Pain Fibers
Published in Science, 1986.

Research
Funding:

National Institutes of Health
National Research Service Award

The Effects of Chronic Hypoxia on Neonatal Myocardial Metabolism

Duke University Medical Center
Principle Investigator: Mark D. Plunkett, MD
Senior Investigator: James E. Lowe, M.D.
\$48,000.00 1988-90

Samantha Harrison Research Fund
Clinical Outcomes in Congenital Heart Surgery
\$4,000.00 20005

Medtronic Research Foundation
Use of Mosaic and Hancock II Porcine Bioprostheses for PVR in Congenital Heart Disease
\$30,000.00/YR 2004-07

Interests:

Music/Drums/Percussion
World History
Rare and Antique Books

Manuscripts

1. Anstadt MP, Hendry PJ, Plunkett M, Pacifico AD, Lowe JE: *Comparison of Direct Mechanical Ventricular Actuation and Cardiopulmonary Bypass*. American Society of Artificial Internal Organs Transactions, 35:464-467, 1989.
2. Hendry PJ, Packer DL, Anstadt MP, Plunkett M, Lowe JE: *Surgical Treatment of Automatic Atrial Tachycardias*. Annals of Thoracic Surgery, 49: 253-260, 1990

3. Hendry PJ, Anstadt MP, Plunkett MD, Pacifico AD, Mikat EM, Lowe JE: *Optimal Temperature for Preservation of Donor Myocardium*, Circulation, 82 (5 Suppl): IV-306-312, 1990.
4. Anstadt MP, Hendry PJ, Plunkett M, Menius JA, Pacifico AD, Lowe JE: *Mechanical Myocardial Actuation During Ventricular Fibrillation Improves Tolerance to Ischemia Compared with Cardiopulmonary Bypass*, Circulation, 82 (5 Suppl): IV 284-290, 1990.
5. Anstadt MP, Hendry PJ, Plunkett M, Menius JA, Pacifico AD, Lowe JE: *Mechanical Cardiac Actuation Achieves Hemodynamics Similar to Cardiopulmonary Bypass*. Surgery , 108: 442-451, 1990.
6. Anstadt MP, Plunkett M, Taber JE, Hendry PJ, Lowe JE: *Myocardial Tolerance to Ischemia After Resuscitation: Direct Mechanical Ventricular Actuation Versus Cardiopulmonary Bypass*. American Society of Artificial Internal Organs Transactions, 37: M518-519, 1991.
7. Lowe JE, Anstadt MP, Van Trigt P, Smith PK, Hendry PJ, Plunkett M, Anstadt GL: *First Successful Bridge to Cardiac Transplantation Using Direct Mechanical Ventricular Actuation*. Annals of Thoracic Surgery, 52:1237-1245, 1991.
8. Amato MT, Hendry PJ, Anstadt MP, Plunkett M, Taber JE, Lowe JE: *Effects of Amrinone Versus Dobutamine on Subsequent Tolerance to Global Myocardial Ischemia*. American College of Surgeons Surgical Forum, Volume XLII: 253-254, 1991.
9. Hendry PJ, Anstadt MP, Plunkett M, Amato MT, Menius JA, Lowe JE: *Improved Donor Myocardial Recovery Using a New Lazaroid Lipid Anti-Peroxidant in the Canine Heart*. Journal of Heart and Lung Transplantation, 11: 636-645, 1992.
10. Anstadt MP, Tedder M, Hendry PJ, Plunkett M, Hedge S, Lowe JE: *Ischemic Preconditioning Results from Severe Global Myocardial Ischemia* American Society of Artificial Internal Organs Transactions, 37: M518-519, 1992.
11. Hendry PJ, Mikat EM, Anstadt MP, Plunkett M, Lowe JE: *Argon Beam Coagulation Compared with Cryoablation of the Ventricular Subendocardium*. Annals of Thoracic Surgery, 55: 135-139, 1993.
12. Vann RD, Ritter EF, Plunkett M, Wyble CW, Bensen CV, Barwick WJ, Mikat EM, Palmos LE, Gedrth W, Klitzman B: *Patency and Blood Flow in Gas Denucleated Arterial Prostheses*. Journal of Biomedical Materials Research, 27: 493-498, 1993.
13. Plunkett M, Hendry PJ, Anstadt MP, Camporesi EM, Amato MT, St. Louis JD, Lowe JE: *Chronic Hypoxia Induces Adaptive Metabolic Changes in Neonatal Myocardium*. Journal of Thoracic and Cardiovascular Surgery 112: 8-13, 1996.
14. Plunkett M, Schneider DS, Bash S, Shah J, Bond L, Geiss DM: *Homograft Mitral Valve Replacement in Children*. Annals of Thoracic Surgery, 66: 849-52, 1998.
15. Plunkett M, Bond L, Geiss DM: *Chimney Patch Technique for Stage I Norwood Procedure*. Annals of Thoracic Surgery 66: 1438-9, 1998.

16. Plunkett M, Bond L, Geiss DM: *Allograft Replacement of the Mitral Valve*. Seminars in Thoracic and Cardiovascular Surgery Pediatric Cardiac Surgery Annual, 2: 95-110, 1999.
17. Plunkett M, Bond L, Geiss DM: *Staged Repair of Type I Acute Aortic Dissection and Coarctation of the Aorta During Pregnancy*. Annals of Thoracic Surgery_ 69: 1945-47, 2000.
18. Laks H, Plunkett M: *Surgical Management of Pulmonary Atresia with Intact Septum*. Progress in Pediatric Cardiology, Vol. 13, 183-197, 2001.
19. Levi D, Marelli D, Plunkett M, Alejos J, Bresson J, Tran J, Eisenring C, Sadeghi A, Galindo A, Fazio D, Gupta A, Burch C, George B, Laks H: *Use of Assist Devices and ECMO to Bridge Pediatric Cardiomyopathy Patients to Transplantation*. Journal of Heart and Lung Transplantation 21; 670, 2002.
20. Tsai F, Marelli D, Laks H, Moriguchi J, Sopher M, Bresson J, Litwin P, Sale S, Kubak B, Esmailian F, Ardehali A, Plunkett M, Kobashigawa J: *Short-term Bridge to Heart Transplant Using the BVS 5000 External Ventricular Assist Device*. American Journal of Transplantation 2; 646, 2002.
21. Tsai F, Marelli D, Bresson J, Gjertson D, Kermani R, Patel J, Kobashigawa J, Laks H, Ardehali A, Brown M, Esmailian F, Fonarow G, Hage A, Hamilton M, Houston E, Mark M, Moriguchi J, Plunkett M: *Use of Hearts Transplanted from Donors with Atraumatic Intracranial Bleeds*. Journal Heart and Lung Transplantation. 21: 623-8, 2002.
22. Tsai F, Marelli D, Bresson J, Gjertson D, Ardehali A, Esmailian F, Hamilton M, Fonarow GC, Moriguchi J, Plunkett M, Hage A, Tran J, Kobashigawa J, Laks H: *Recent Trends in Early Outcomes of Adult Patients after Heart Transplantation: A Single Institution Review of 251 Transplants Using Standard Donor Organs*. American Journal of Transplantation 2: 539-545, 2002.
23. Marelli D, Laks H, Kobashigawa J, Bresson J, Ardehali A, Esmailian F, Plunkett M, Kubak B, Tsai FC, Karandikar K, Monempour S: *Seventeen Year Experience with 1083 Heart Transplants at a Single Institution*. Annals of Thoracic Surgery 74; 158-167, 2002.
24. Marelli D, Laks H, Bresson S, Ardehali A, Bresson J, Esmailian F, Plunkett M, Moriguchi J, Kobashigawa J: *Results After Transplantation using Donor Hearts with Preexisting Coronary Artery Disease*. Journal of Thoracic and Cardiovascular Surgery 126: 821-5, 2003.
25. Laks H, Marelli D, Fonarow G, Hamilton M, Ardehali A, Moriguchi J, Bresson J, Gjertson D, Kobashigawa J, Camara R, Esmailian F, Hage A, Kawata N, Kubak B, Plunkett M, Sadeghi A, Salehmoghaddam: *Use of Two Recipient List for Adults Requiring Heart Transplantation*. Journal of Thoracic and Cardiovascular Surgery, 125: 49-59, 2003.
26. Marelli D, Laks H, Patel B, Kermani R, Marmureanu A, Patel J, Kobashigawa J,

- Ardehali A, Esmailian F, Fonarow G, Hage A, Hamilton M, Moriguchi J, Odum J, Plunkett M: *Heart Transplantation in Patients with Diabetes Mellitus in the Current Era*. Journal of Heart and Lung Transplantation, 22: 1091-1097, 2003.
27. Xu J, Cui G, Esmailian F, Plunkett M, Marelli D, Ardehali A, Odum J, Laks H, Sen L: *Atrial Extracellular Matrix Remodeling and the Maintenance of Atrial Fibrillation*. Circulation 109: 363-368, 2004.
 28. Mitropoulos F, Laks H, Neelankavil J, Alejos J, Child J, Allada V, Drant S, Kobashigawa J, Odum J, Fishbein M, Plunkett M: *Failing Fontan Circulation Necessitating Transplantation: A Clinicopathologic Correlation.*, Journal of the American College of Cardiology, Vol 43(5) Supplement A, 2004.
 29. Halnon Nancy J, Jamieson Beth D, Plunkett M, Kitchen CM, Pham J, Krogstad Paul: *Thymic Function and Impaired Maintenance of Peripheral T-cell* Pediatrics Research 57: 42-48, 2005.
 30. Odum J, Laks H, Plunkett M, Tung T: *Successful Management of Patients with Pulmonary Atresia with Intact Ventricular Septum Using a Three Tier Grading System for Right Ventricular Hypoplasia*. Annals of Thoracic Surgery_81: 678-84, 2006.
 31. Plunkett M, Buckberg G: *Pathophysiologic Implications of the Helical Ventricular Myocardial Band: Considerations for Right Ventricular Restoration*. Seminars in Thoracic and Cardiovascular Surgery, Pediatric Cardiac Surgery Annual 10: 68-75, 2007.
 32. AboulHosn JA, Shavelle DM, Castellon Y, Criley JM, Plunkett M, Pelikan P, Dinh H, Child JS: *Fontan Operation and the Single Ventricle*. Congenital Heart Disease; 2:2-11, 2007.
 33. Mitropoulos F, Laks H, Kapadia N, Gurvitz M, Odum J, Moore J, Plunkett M: *Intraoperative Pulmonary Artery Stenting. An Alternative Technique for the Management of Congenital Pulmonary Artery Stenosis in Adjunct with Surgical Repairs*. Annals of Thoracic Surgery, 84: 1338-1342, 2007.
 34. Mitropoulos F, Laks H, Kapadia Neel, Plunkett M: *Long-term outcome with Bioprosthetic Pulmonary Valve Replacement in Congenital Heart Disease*. Annals of Thoracic Surgery (in press), 2009.
 35. Marelli D, Kobashigawa J, Hamilton M, Noguchi E, Moriguchi J, Patel J, Laks H, Esmailian F, Beygui R, Plunkett M, Ardehali A: *Long Term Outcome of Heart Transplant in the Elderly*. Journal of Heart and Lung Transplantation, (in press), 2009.
 36. Marelli D, Esmailian F, Wong, S, Kobashigawa J, Kwon M, Beygui R, Laks H, Plunkett M, Ardehali A and Shemin R: *Tricuspid Valve Regurgitation After Heart Transplantation.*, Journal of Thoracic and Cardiovascular Surgery, 137; 1557-9, 2009.

37. Kwon M, Moriguchi J, Plunkett M, Ardehali A, Beygui R, Marelli D, Laks H, Shemin R, Esmailian F: *Impact of Age on Outcome of Ventricular Assist Devices Utilized as Bridge to Cardiac Transplantation*. Journal of Heart and Lung Transplantation (in press), 2009.
38. Bahrami S, Mitropoulos F, Leong F, Levi D, Laks H, Plunkett M: *Truncal Valve Repair in Neonates Using Pericardial Leaflet Extension*. Congenital Heart Disease Journal, Clinical Studies from Fetus to Adulthood, (accepted), 2009.
39. Levi D, Bryan T, Scott V, Plunkett M: *Preferential Use of "Off-Pump" Glenn Shunts: A Single Center Experience*. Congenital Heart Disease Journal. (accepted), 2009.
40. Brenner M, Riskin D, Plunkett M, Shew S: *Neonatal ECMO with an Absent Right Superior Vena Cava*. Annals of Thoracic Surgery (accepted), 2009.
41. Kobashigawa J, Hamilton M, Moriguchi J, Kermani R, Ardehali A, Beygui R, Laks H, Plunkett M, Shemin R, Esmailian F: *Long-term Outcomes of Heart Transplantation in Older Recipients*. Journal of Heart and Lung Transplantation, (accepted), 2009.

Chapters and Review Articles

1. Plunkett M: *Pulmonary Evaluation*. The Duke Handbook of Surgical Intensive Care. Lysterly HK and Gaynor JW (Eds.), Yearbook. Mosby, 1991.
2. Ungerleider RM, Plunkett M, Gaynor JW: *Pediatric Cardiac Surgery*. Surgery of Infants and Children: Scientific Principles and Practice. Oldham KT, Colombani, and Foglia (Eds.), Lippincott-Raven, 1997.
3. Laks H, Plunkett M: *Pulmonary Stenosis and Pulmonary Atresia with Intact Ventricular Septum*. Mastery of Cardiothoracic Surgery. Kaiser LR, Kron IL, and Spray TL (Eds.), Lippincott-Raven; 1998.
4. Plunkett M, Laks H: *Ebstein's Anomaly: Surgical Perspectives*. e-Medicine Journal, Vol 3, No. 2, 2002.
5. Plunkett M, Laks H: *Pulmonary Artery Banding*. e-Medicine Journal, Vol 2, No. 4, 2002.
6. Laks H, Marelli D, Plunkett M, Odum JK, Meyers J: *Surgery for Adults with Congenital Heart Disease*. In Cohn, L (ed) Cardiac Surgery in the Adult, 2nd edition, McGraw Hill Publisher, 2003.
7. Laks H, Plunkett M: *Right Ventricular Outflow Tract Obstruction with Intact Ventricular Septum*. In Gardner TJ, Spray TL (eds) Rob and Smith's Operative Cardiac Surgery, 5th edition, London UK, Arnold Publishers, 2004.

8. Plunkett M, Laks H: *Pulmonary Stenosis and Pulmonary Atresia with Intact Ventricular Septum*. Mastery of Cardiothoracic Surgery. Kaiser LR, Kron IL, and Spray TL (Eds.), Lippincott-Raven, 2006.
9. Plunkett M, Laks H: *Ebstein's Anomaly: Surgical Perspectives*. e-Medicine Journal, updated , 2006.
10. Plunkett M, Laks H: *Pulmonary Artery Banding*. e-Medicine Journal, , updated 2006.
11. Laks H, Plunkett M, Marelli D, Meyers J: *Surgery for Adults with Congenital Heart Disease*. In Cohn, L (ed) *Cardiac Surgery in the Adult*, 3rd edition, McGraw Hill Publisher 2006.
12. Plunkett M, Mitropoulos F, Laks H: *Pulmonary Stenosis and Pulmonary Atresia with Intact Ventricular Septum*. In Yuh D, Vricella L, Baumgartner W (eds.) The Johns Hopkins Manual of Cardiothoracic Surgery, McGraw-Hill, NY, 2007.
13. Perloff JK, Plunkett M: *Survival Patterns After Cardiac Surgery or Interventional Catheterization: A Broadening Base*. In Perloff JK, Child J (eds.) *Congenital Heart Disease in Adults 3rd Edition*, W.B. Saunders, 2009.
14. Perloff JK, Plunkett M: *Residua and Sequela. A Perspective*. In Perloff JK, Child J (eds.) *Congenital Heart Disease in Adults 3rd Edition*, W.B. Saunders, 2009.
15. Plunkett M, Perloff JK: *Residua and Sequelae Involving Cardiac Valves*. In Perloff JK, Child J (eds.) *Congenital Heart Disease in Adults 3rd Edition*, W.B. Saunders, 2009.
16. Marelli D, Laks H, Perloff JK, Plunkett M: *Cardiac Surgery in Adults with Congenital Heart Disease: Operation and Reoperation*. In Perloff JK, Child J (eds.) *Congenital Heart Disease in Adults 3rd Edition*, W.B. Saunders, 2009.
17. Plunkett M, Perloff JK: *Prosthetic Materials: Selection, Use, and Long-Term Effects*. In Perloff JK, Child J (eds.) *Congenital Heart Disease in Adults 3rd Edition*, W.B. Saunders, 2009.
18. Plunkett M, Laks H, Nguyen K. *Pulmonary Artery Banding*. eMedicine from WebMD. Available at: <http://emedicine.medscape.com/article/905353-overview>. Updated April 23, 2009.
19. Plunkett M, Laks H. *Ebstein Malformation, Surgical Treatment*. eMedicine from WebMD. Available at: <http://emedicine.medscape.com/article/903579-overview>.

Abstracts

1. Anstadt MP, Hendry PJ, Plunkett M, Menius JA, Lowe JE: *Comparison of Direct Mechanicla Ventricular Actuation and Cardiopulmonary Bypass*. American Society of Artificial Internal Organs, 1989.

2. Hendry PJ, Anstadt MP, Plunkett M, Menius JA, Pacifico AD, Lowe JE: *Optimal Hypothermic Preservation for Donor Hearts*. Circulation (II) 80: II-318, American College of Cardiology, 1989.
3. Anstadt MP, Hendry PJ, Plunkett M, Menius JA, Pacifico AD, Lowe JE: *Mechanical Myocardial Actuation Improves Tolerance to Ischemia*. Circulation (II) 80: II-318, American College of Cardiology, 1989.
4. Pacifico AD, Plunkett M, Hendry PJ, Anstadt MP, Menius JA, Lowe JE: *Effects of Reperfusion with Adenine Ribose and EHNA on Cardiac Metabolism and Function following Ischemia*. American College of Cardiology, 1990.
5. Anstadt MP, Henry PJ, Plunkett M, Menius JA, Pacifico AD, Lowe JE: *Mechanical Cardiac Actuation Achieves Hemodynamics Similar to Cardiopulmonary Bypass*. Society of University Surgeons, 1990.
6. Anstadt MP, Hendry PJ, Plunkett M, Menius JA, Taber JE, Tedder M, Lowe JE: *Biventricular Cardiac Assist Versus Cardiopulmonary Bypass for Resuscitation*. American Society of Artificial Internal Organs, 1991.
7. Hendry PJ, Anstadt MP, Plunkett M, Amato MT, Menius JA, Lowe JE: *Improved Donor Myocardial Recovery Using a New Anti-peroxidant*. International Society for Heart and Lung Transplantation, 1991.
8. Lowe JE, Anstadt MP, Van Trigt P, Smith PK, Hendry PJ, Plunkett M, Anstadt GL: *First Successful Bridge to Cardiac Transplantation Using Direct Mechanical Ventricular Actuation*. Society of Thoracic Surgeons, 1991.
9. Amato MT, Hendry PJ, Anstadt MP, Plunkett M, Menius JA, Lowe JE: *Effects of Amrinone Versus Dobutamine on Subsequent Tolerance to Global Myocardial Ischemia*. American College of Surgeons, Surgical Forum, 1991.
10. Anstadt MP, Tedder M, Hendry PJ, Plunkett M, Hedge S, Lowe JE: *Ischemic Preconditioning Results from Severe Global Myocardial Ischemia*. American Society of Artificial Internal Organs (ASAIO), 1992.
11. Anstadt MP, Hendry PJ, Plunkett M, Tedder M, Tamayo A, Lowe JE: *Pulsatile Versus Nonpulsatile Flow: Hemodynamics and Organ Perfusion During Resuscitative Circulatory Support*. American Society of Artificial Internal Organs (ASAIO), 1992.
12. Plunkett M, Hendry PJ, Anstadt MP, Fontana GP, Camporesi EM, Amato MT, Lowe JE: *Chronic Hypoxemia Induces Adaptive Changes in the Neonatal Myocardium*. Association of Academic Surgeons, Hershey, PA, November, 1993.
13. Plunkett M, Hendry PJ, Anstadt MP, Amato MT, St. Louis JD, Lowe JE: *Hypertrophy Reduces Tolerance to Ischemia in Neonatal Right Ventricular Myocardium*. Society of Thoracic Surgeons, Palm Springs, CA, January, 1995.
14. St. Louis JD, Hendrickson SC, Plunkett M, Abdel-aleem S, Reed R, Lowe JE: *Differential Expression of the Constitutive Form of Nitric Oxide Synthase (cNOS) in the Lung*. Society of Molecular and Cellular Cardiology, Chicago, IL, 1996.

15. St. Louis JD, Hendrickson SC, Plunkett M, Darwood DA, Aarouk W, Lowe JE: *Cellular Metabolism During Myocyte Maturation: Role of L-Carnitine*. Society of Molecular and Cellular Cardiology, Chicago, IL, 1996.
16. Tsai F, Marelli D, Bresson J, Gjertson D, Ardehali A, Esmailian F, Hamilton M, Fonarow GC, Moriguchi J, Plunkett M, Hage A, Tran J, Kobashigawa J, Laks H: *Recent Trends in Early Outcomes of Adult Patients after Heart Transplantation: A Single Institution Review of 251 Transplants*. American Society of Transplant Surgeons, Chicago, IL, 1999.
17. Marelli D, Laks H, Moriguchi, Fazio D, Hamilton M, Fonarow G, Hage A, Salehmoghaddam S, Kubak B, Meehan D, Sadeghi A, Esmailian F, Ardehali A, Plunkett M, Kobashigawa J: *Short-term Bridge to Transplant Using the BVS 5000 Ventricular Assist Device*. American Society of Transplant Surgeons, Chicago, IL, 1999.
18. Marelli D, Eisenring C, Laks H, Sadeghi A, Ardehali A, Plunkett M, Fazio D, Talamo M, Alejos J, Galindo A, Burch C,: *Use of Mechanical Assist to Bridge Ppediatric Ppatients with Severe End-Stage Heart Disease to Transplantation*. International Society of Heart and Lung Tranplantation, Osaka, Japan, April, 2000.
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Lectures and Presentations

1. *Early Versus Late Repair of Tetralogy of Fallot.* UCLA Division of Cardiothoracic Surgery Grand Rounds. Los Angeles, CA, March, 1996.
2. *Surgical Approaches to Tetralogy of Fallot.* University of Illinois College of Medicine, Department of Pediatrics Grand Rounds. Peoria, IL, October, 1996.
3. *Management of Acute Aortic Dissection.* University of Illinois College of Medicine, Department of General Surgery Grand Rounds. Peoria, IL, October, 1996.
4. *Cardiac Surgery: New Frontiers.* American Heart Association, Illinois Local Chapter. Peoria, IL, October, 1997.
5. *Advancements in Cardiac Surgery.* University of Illinois College of Medicine, Department of General Surgery Grand Rounds. Peoria, IL, December, 1997.

6. *Transposition of the Great Arteries*. University of Illinois College of Medicine, Department of Pediatrics Grand Rounds. Peoria, IL, March, 1998.
7. *Surgical Treatment of Congenital Heart Disease*: University of Illinois College of Medicine, Division of Neonatology Grand Rounds. Peoria, IL. May, 1999.
8. *Minimizing Complications in Patients with Ventricular Assist Devices: Paracorporeal vs, Implantable Devices*: Los Angeles Thoratec Symposium. Los Angeles, CA. September, 1999.
9. *Advancements in Mitral Valve Repair*: UCLA Primary Care Update. Las Vegas, NV. April, 2000.
10. *Bacterial Endocarditis: The Heart Surgeon's Approach*: Department of Medicine Grand Rounds, Kern Medical Center, , Bakersfield, CA. June, 2000.
11. *Congenital Heart Surgery: Past, Present, and Future*: Division of Neonatology Grand Rounds, UCLA Harbor Medical Center, Torrance, CA. June, 2000.
12. *Use of ECMO in Pediatric Heart Surgery*: UCLA ECMO Symposium, UCLA Medical Center, Los Angeles, CA, July, 2000.
13. *Congenital Heart Surgery: What the Adult Cardiologist Needs to Know*: UCLA Division of Cardiology Grand Rounds, UCLA Medical Center, Los Angeles, CA. July, 2000.
14. *Advances in Pediatric Cardiac Surgery*: Association of Operating Room Nurses (AORN) Conference, Torrance Memorial Hospital, Torrance, CA. February, 2001.
15. *Advances in Pediatric Heart Valve Surgery*: American Heart Association (AHA) Congenital Heart Disease Symposium, Sheraton, Universal City, CA, May, 2001.
16. *ECMO for Pediatric Cardiac Support*: UCLA ECMO Symposium, UCLA Medical Center, Los Angeles, CA, July, 2001.
17. *Advances in Pediatric Cardiac Transplantation*: UCLA Pediatric ICU Course, UCLA Medical Center, Los Angeles, CA, August, 2001.
18. *Pediatric Heart Transplantation: The UCLA Experience*: Division of Pediatric Cardiology Grand Rounds, UT Southwestern School of Medicine, Children's Medical Center of Dallas, TX, October, 2002.
19. *Surgical Management in Adults with Congenital Heart Disease*: Symposium on CHD in Adults: Diagnostic and Therapeutic Strategies, Santa Monica, CA, April, 2002.
20. *Frontiers in Congenital Heart Disease Surgery*: American Heart Association Congenital Heart Disease Symposium, Universal City, CA, May, 2002.
21. *Heart Transplantation 2002*: Division of Cardiology Grand Rounds, Saint Francis Medical Center Lynwood, CA, May, 2002.

22. *Update on ECMO for Cardiac Support:* UCLA Neonatal ECMO Symposium, UCLA Medical Center, Los Angeles, CA, July, 2002.
23. *SubAortic Stenosis: Complexities of a Simple Cardiac Defect.* Department of Pediatrics Grand Rounds, Harbor UCLA Medical Center, Torrance, CA, January, 2003.
24. *Progress in Valve Surgery for Congenital Heart Disease:* Hearts Around the World Program, Edwards Life Sciences, Irvine, CA, February, 2003.
25. *Congenital Cardiac Surgery: The First Fifty Years:* Ahmanson/UCLA Adult Congenital Heart Disease Symposium, Marina Del Rey, CA, April, 2003.
26. *Atrial Septal Defects: Surgical Strategies and Outcomes:* Ahmanson/UCLA Adult Congenital Heart Disease Symposium, Marina Del Rey, CA, April, 2003.
27. *Arterial Switch Operation: Coming of Age:* Ahmanson/UCLA Adult Congenital Heart Disease Symposium, Marina Del Rey, CA, April, 2003.
28. *New Technologies in Pediatric Heart Valve Surgery.* American Heart Association Congenital Heart Disease Symposium, Universal City, CA, May, 2003.
29. *ECMO in Pediatric Cardiac Surgery.* UCLA Neonatal and Pediatric ECMO Symposium, UCLA Medical Center, Los Angeles, CA, July, 2003.
30. *Advances in Surgical Treatment of Cardiomyopathy and Congestive Heart Failure.* Cutting Edge Therapy in Heart Failure : Newest Concepts and Therapies. Las Vegas, Nevada, February, 2004.
31. *Advances in Pediatric Heart Transplantation.* Department of Pediatrics Grand Rounds, Fountain Valley Medical Center, Fountain Valley, CA, June 2004.
32. *Advances in Surgical Treatment of Cardiomyopathy and Congestive Heart Failure.* Cutting Edge Therapy in Heart Failure : Newest Concepts and Therapies. Newport Beach, CA, October, 2004.
33. *The Evolution of Cardiac Surgery: 50 years of Progress.* Great Moments in Medicine Lecture Series. David Geffen School of Medicine at UCLA. February, 2005.
34. *Advances in Heart Valve Surgery.* Departments of Medicine and Cardiology Grand Rounds, Saddleback Memorial Hospital, Laguna Hills, California. September, 2005.
35. *Advances in Valvular Heart Surgery.* "Mending Hearts" Cardiology Conference. Bakersfield, California. October, 2005.
53. *Historical Landmarks in Congenital Heart Surgery.* Adult Congenital Heart Association, Southwestern Chapter Conference. Manhattan Beach, California. October, 2005.

54. *Cardiac Transplantation for Congenital Heart Disease*. Adult Congenital Heart Association, Southwestern Chapter Conference. Manhattan Beach, California. October, 2005.
55. *Pericardial Disease*. Division of Cardiology Grand Rounds. Fountain Valley Medical Center, Fountain Valley, California. August, 2006.
56. *Ventricular Assist Devices and the Artificial Heart*. Division of Cardiology Grand Rounds. Good Samaritan Hospital, Los Angeles. California. September, 2006.
57. *Timing of Valvular Heart Surgery for Aortic Regurgitation and Mitral Regurgitation*. Cardiac and Vascular Symposium. Glendale Adventist Medical Center Program, La Canada, California, October, 2006.
58. *Surgical Therapy for Congenital Heart Disease*. Nursing Cardiovascular Symposium. UCLA School of Nursing. Los Angeles, California, February, 2007.
59. *Pediatric Cardiac Surgery: Past, Present, and Future*. Department of Pediatrics Grand Rounds, White Memorial Medical Center, Los Angeles, California, April, 2007.
60. *Brave New World of Cardiac Surgery*. Congenital Heart Disease Symposium, Sheraton, Universal City, CA, May, 2007.
61. *Surgical Therapy for Congenital Heart Disease*. Department of Pediatrics Grand Rounds. Marshall University, Joan C. Edwards School of Medicine, Cabell Huntington Hospital, Huntington, W Va, January, 2008.
62. *Congenital Heart Disease: What you need to Know*. Pediatric Update Symposium, Department of Pediatrics, UK College of Medicine, Lexington, KY, April, 2008.
63. *Arterial Switch Operation: Milestone of Congenital Heart Surgery*. Department of Surgery Grand Rounds, University of Kentucky College of Medicine, UK Chandler Medical Center, Lexington, KY, May, 2008.
64. *Congenital Heart Surgery: Past, Present, and Future*. Association of Operating Room Nurses (AORN) Symposium. University of Kentucky, UK Chandler Medical Center, Lexington, KY, October, 2008.
65. *Atrioventricular Canal Defect: Modified Single Patch Technique*. "My Favorite Operation", Postgraduate Course, Congenital Session, Southern Thoracic Surgical Association (STSA) 55th Annual Meeting, Austin, Texas, November, 2008.
66. *Late Pulmonary Valve Replacement in Tetralogy of Fallot: Indications, Timing, Surgical Techniques, and Choice of Valve Replacement*. Congenital Heart Surgery Symposium, Society of Thoracic Surgeons (STS), San Francisco, CA, January, 2009
67. *Surgical Treatment of Congenital Heart Disease*, Dept of Pediatrics Grand Rounds, University of Kentucky College of Medicine, UK Chandler Medical Center, Lexington, KY, February, 2009.

68. *Surgical Treatment of Adults with Congenital Heart Disease*, Hazzard County Symposium “*Congenital Heart Disease: From Fetus to Adult*”, Hazzard, KY, March, 2009.
69. *Surgical Treatment of Adults with Congenital Heart Disease*, Dept of Cardiovascular Medicine Teaching Conference, University of Kentucky College of Medicine, Lexington, KY, May, 2009.
70. *The Expanding Use of VADs in Congenital Heart Disease*. Thoratec Corporation Clinincal Conference, Chicago, Illinois, June, 2009.
71. *Prosthetic Valve Options and Thromboembolism Prophylaxis*. Division of Cardiolovascular Medicine Grand Rounds, University of Kentucky College of Medicine, UK Chandler Medical center, Lexington, KY, September, 2009.
- 72.

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