

CURRICULUM VITAE

Gary S. Kopf, M.D.

Academic Degrees:

1966 B.A., Columbia College, Physics
1970 M.D., Cum Laude, Harvard Medical School

Clinical Training:

1970 - 71 Intern, Surgery, Roosevelt Hospital, New York, New York
1973 - 77 General Surgery Residency, Peter Bent Brigham Hospital,
 Boston, Massachusetts
1977 - 80 Cardiothoracic Surgical Residency, Peter Bent Brigham Hospital and Children's Hospital,
 Boston, Massachusetts

Research Experience:

1971 - 73 Staff Associate in Cardiovascular Physiology, National Institute of Health,
 Bethesda, Maryland

Academic Appointments:

1973 - 80 Clinical Fellow, Surgery, Harvard Medical School, Boston, Massachusetts
1976 - 77 Clinical Fellow, American Cancer Society
1980 - 84 Assistant Professor of Surgery, Yale University School of Medicine, New Haven,
 Connecticut
1984 - 91 Associate Professor of Surgery, Yale University School of Medicine, New Haven,
 Connecticut
1991 - present Professor of Surgery, Yale University School of Medicine, New Haven, Connecticut

Hospital Appointments:

1980-82 Chief, Cardio-thoracic Surgery, West Haven
 Veterans Administration Hospital, West Haven, Connecticut
1980- Attending Cardio-thoracic Surgery, Yale-New Haven
 Hospital, New Haven, Connecticut
1982- Director, Pediatric Cardiac Surgery, Yale-New Haven
 Hospital, New Haven, Connecticut

Certification:

National Board of Medical Examiners (111620)
American Board of Surgery 1979 (25215)
American Board of Thoracic Surgery 1982 (3858)
American Board of Thoracic Surgery - Recertified 1992

Licensure:

Connecticut (22357)

Honors and Awards:

1970 Honors for Senior Thesis, Harvard Medical School, Boston, Massachusetts
1977 Clinical Fellowship Award, American Cancer Society
1995 Peace Medal-International Physicians for Prevention of Nuclear War, St. Petersburg, Russia
1995 Paul Harris Fellow-Rotary Foundation of Rotary International
1996-2000 The Best Doctors in America: Northeast Region

Society Memberships:

American Association for Thoracic Surgery
American College of Cardiology
American College of Chest Physicians
American College of Surgeons
American Heart Association
American Medical Association
Association for Academic Surgery
Connecticut Chapter of the American College of Surgeons
Connecticut Society of American Board Surgeons
Connecticut State Medical Society
New England Surgical Society
New Haven County Medical Association
Society of Pediatric Cardiac Surgery
Society of Thoracic Surgeons

Editorial Board:

1995 - Board of Editors, Video Journal of Cardiothoracic Surgery

Committees:

1996 - Yale New Haven Hospital, Co-Chairman, Cardiothoracic Surgery Clinical Practice Council
1997 - Yale New Haven Hospital, Co-Chairman, Cath to CABG Quality Improvement Team
1996 - Yale New Haven Hospital, Team Member, OR Turnaround Time, Quality Improvement Team
1998 - Yale New Haven Hospital, Co-Chairman, Clinical Pathways for Pediatric Cardiothoracic Surgery

PUBLICATIONS

1. Benn J, Brinker PA, Mikic B, Shults MD, Lacava EJ, Kopf GS, Barlette RH, Hanson LE: Predictive correlation of oxygen and carbon dioxide response. Proc Am Soc Artif Organs, 17:317-324, 1971.
2. Mirvis DV, Kopf GS, Pottala E: The effect of low frequency response catheter systems on the calculation of force-velocity parameters in the intact heart. Biomed Sci Instr, 10:84-87, 1973.
3. Mirvis DV, Kopf GS, Pottala E: The effect of altered hemodynamic state of the harmonic content of the left ventricular pressure waveform. Proc 26th An Conf on Biol, 15:171-174, 1973.
4. Mirvis DV, Kopf GS, Pottala E: Harmonic analysis of the left ventricular pressure waveform. Proc 26th An Conf Engineering Med and Biol, 15:171, 1973.
5. Kopf GS, Mirvis DM, Myers RE: Central nervous system tolerance to cardiac arrest during profound hypothermia. J Surg Res18(1):29-35, 1975.

6. Osteen RT, Kopf GS, Wilson RE: In pursuit of the unknown primary. *Am J Surg*, 135 (4):494-499, 1978.
7. Myers RE, Kopf GS, Mirvis DM: Hemodynamic response to profound hypoxia in intact rhesus monkeys. *Stroke*, 11:389-393, 1980.
8. Myjolin K, Weiss G, Mee R, Trucker WY, Kopf GS, Collins JJ, Cohn LH: Functional comparison of coronary bypass grafts of the saphenous vein and internal mammary artery coronary bypass grafts. *J Thorac Cardiovasc Surg*, 79:713- 719, 1980.
9. Kopf GS, Meshkov A, Laks H, Hammond GL, Geha AS: Changing patterns in the surgical management of ventricular septal rupture after myocardial infarction. *Am J Surg*, 143:465-472, 1982.
10. Kopf GS, Riba A, Zito R: Intraoperative use of nifedipine for hemo-dynamic collapse due to coronary artery spasm following myocardial revascularization. *Ann Thor Surg*, 34:457-461, 1982.
11. Kay H, Barash P, Geha A, Kopf GS, Hashim S, Kopriva C: A placebo-controlled randomized blind study of parenteral nitroglycerin during open heart operations. *Surg Forum* 33:251-253, 1982.
12. Kopf GS, Laks H: Atrial septal defects and cor triatriatum in Glenn WWL, Baue AE, Geha AS, Hammond GL, Laks H, eds. *Thoracic and Cardiovascular Surgery* (4th ed), Norwalk: Appleton-Century-Crofts, 1983:732-744 (Chap. 49).
13. Seashore JH, Touloukian RJ, and Kopf GS: Major Surgery in infants weighing less than 1500 Grams. *Am J Surg* 145:483-489, 1983.
14. Stavens B, Hashim SW, Hammond GL, Stansel HC, Gatehouse J, Kopf GS, Geha AS: Optimal methods of repair of descending thoracic aorta disruptions and aneurysm. *Am J Surg* 145:508-513, 1983.
15. Buckwalter J, Sasaki C, Kopf GS, Hellenbrand W, Kleinman C, Markowitz R: Aortic wheeze: Intermittent tracheal obstruction caused by a rare aortic arch anomaly. *Ann Otol Rhinol Laryngol* 92:383-386, 1983.
16. Geha AS, Francis MS, Hammond GL, Laks H, Kopf GS, and Hashim SW: Combined valve replacement and myocardial revascularization. *J Vasc Surg* 1(1):27-35, 1984.
17. Hashim SW, Kay HR, Hammond GL, Kopf GS, and Geha AS: Non-cardiogenic pulmonary edema following cardiopulmonary bypass. An anaphylactic reaction to fresh frozen plasma. *Am J Surg* 147:560-564, 1984.
18. Lister G, Kopf GS, Pitt BR: Functional assessment of the pulmonary microcirculation during post-natal development. *Pediatr Pharmacol* 4:85-99, 1984.
19. Hashim SW, Hammond GL, Condos SG, Kopf GS, Geha AS: A Safer method of cardioplegia delivery in aortic valve surgery. *Surg Forum* 35:286-287, 1984.
20. Chaudry IH, Keefer JR, Barash P, Clemens MG, Kopf GS, Baue AE: ATP-MgCl₂ infusion in man: Increased cardiac output without adverse systemic hemodynamic effects. *Surg Forum*, 35:14-26, 1984.
21. Markowitz RE, Kleinman CS, Hellenbrand WE, Kopf GS, Ment LR: Communicating hydrocephalus secondary to superior vena cava Obstruction. Occurrence after mustard's operation for transposition of the great arteries. *AJDC* 138:638-641, 1984.
22. Glenn WWL, Hellenbrand WE, Henisz A, Laks H, Kopf GS, Stansel HC, Jr., Talner NS: Superior vena cava-right pulmonary artery anastomosis: present status in Tucker BL, Lindesmith GG, Takahashi M, eds. Obstructive Lesions of the Right Heart Third Clinical Conference on Congenital Heart Disease, Baltimore: University Park Press, 1984:121-134.
23. Gertler J, Eleftheriades JA, Kopf GS, Hashim SW, Hamond GL, Geha AS: Predictors of outcome following early and delayed revascularization for acute myocardial infarction. *Am J Surg*, 149:441-444, 1985.

24. Markowitz RI, Fahey JT, Hellenbrand WE, Kopf GS, Rothstein P: Bronchial compression by a patent ductus arteriosus associated with pulmonary atresia. *Am J Reontgenology*, 144:535-540, 1985.
25. Kopf GS, Hume A, Durkin M, Hammond GL, Hashim SW, Geha AS: Measurement of central somatosensory conduction time in patients undergoing cardiopulmonary bypass: An index of neurological function. *Am J Surg*, 149:445-448, 1985.
26. Kopf GS, Hellenbrand W, Kleinman C, and Geha AS: Fate of leftsided cardiac bioprosthesis valves in children. *Arch Surg*, 121:488-490, 1986.
27. Kopf GS, Hellenbrand WE, Kleinman CS, Lister G, Talner N, Laks H: Repair of aortic coarctation in the first three months of life: Immediate and long term results. *Ann Thor Surg*, 41:425-430, 1986.
28. Glenn WWL, Hellenbrand WE, Henisz A, Laks H, Kopf GS, Stansel HC Jr., Talner NS: Superior vena cava-pulmonary artery anastomosis in the treatment of cyanotic heart disease. *Pediatric Cardiology Proceedings of Second World Congress*, Doyle EF, Engle MA, Gersony WM, Rashkind WJ and Talner, NS (eds) New York, Springer-Verlag 1298-1302, 1986.
29. Rothstein P, Arthur GR, Feldman HS, Kopf GS, Covino BG: Bupivacaine for Intercostal Nerve Blocks in Children: Blood Concentrations and Pharmacokinetics. *Anesth Analg*, 65:625-632, 1986.
30. Kopf GS, Chaudry IH, Condos SG, Baue AE: Improved myocardial performance after prolonged ischemia with ATP-MgCl₂ Cardioplegia. *Surg Forum*, 37:234, 1986.
31. Ascuitto RJ, Ross-Ascuitto NT, Kopf GS, Kleinman CS, Talner NS: Accessory mitral valve tissue causing left ventricular outflow obstruction (two-dimensional echocardiographic diagnosis and surgical approach). *Ann Thorac Surg*, 42:581-584, 1986.
32. Kopf GS, Hellenbrand WE, Kleinman CS, Lister G, Talner NS, Laks H: Repair of aortic coarctation in the first three months of life: Immediate and long-term results. *Ann Thorac Surg*, 41:425-430, 1986.
33. Kopf GS, Chaudry IH, Condos SG, Baue AE: Reperfusion of heart with ATP-MgCl₂. *J Surg Res*, 43:114-117, 1987.
34. Hammond GL, Geha AS, Kopf GS, Hashim SW: Biological vs Mechanical Valves: Analysis of 1116 valves inserted in 1012 adult patients with a 4818 patient-year and a 5327 valve year follow-up. *J Thorac Cardiovasc Surg*, 93:182-98, 1987.
35. Hammond GL, Geha AS, Kopf GS, Hashim SW: Biological vs Mechanical Valves: Analysis of 1116 valves inserted in 1012 adult patients with a 4818 patient-year and a 5327 valve year follow-up. *J Thorac Cardiovasc Surg*, 93:182-98, 1987.
36. RJ Ascuitto, NT Ross-Ascuitto, GS Kopf, J Fahey, CS Kleinman, WE Hellenbrand, and NS Talner : Persistent left superior vena cava causing subdivided left atrium: diagnosis, embryological implications, and surgical management. *Ann. Thorac. Surg.* 1987 44: 546-549.
37. Kopf GS, Hammond GL, Geha AS, Hashim SW: Long term performance of the saint jude medical valve: Low incidence of thromboembolism and hemorrhagic complications on modest coumadin dose. *Circ*, 76 (III):132-136, 1987.
38. Ross-Ascuitto NT, Ascuitto RJ, Kopf GS, Laks H, Kleinman CS, Hellenbrand WE, Norman TS: Discrete subaortic obstruction in a patient with corrected transposition of the great arteries, *Pediatr Cardiol* 8(2): 147-149, 1987.
39. Ascuitto RJ, Ross-Ascuitto NT, Kopf GS, Fahey J, Kleinman CS, Hellenbrand WE, Talner NS: Persistent left superior vena cava causing subdivided left atrium: diagnosis, embryological implications, and surgical

- management. *Ann Thor Surg*, 44:546-549, 1987.
40. Rowley KM, Kopf GS, Hellenbrand WE, Kleinmann CS, Downing SE: Atrioventricular canal with intact atrial septum. *Am Heart J*, 115:902-906, 1988.
 41. Stahl, RS and Kopf GS : Reconstruction of infant thoracic wounds. *J Plast Reconstr Surg*, 82:1000-1011, 1988.
 42. Ascuitto RJ, Ross-Ascuitto NT, Markowitz RI, Kopf GS, Hellenbrand WE, Fahey J, Kleinmann CS: Aneurysms of the right ventricular outflow tract following tetralogy of fallot repair: Diagnosis and etiology. *Radiology*, 167:115-119, 1988.
 43. Weber HS, Markowitz RI, Hellenbrand WE and Kopf GS: Pulmonary venous collaterals secondary to superior vena cava (SVC) stenosis: A rare cause of right-to-left shunting following repair of a sinus venosus atrial septal defect (ASD). *Pediatr Cardiol*, 10(1):49-51, 1989.
 44. Lister G, Elefteriades JA, Kopf GS, Hammond GL, Ponn R, Saltiel A: Resuscitation of cold water immersion victims with cardiopulmonary bypass. *J Critical Care*. 4(1): 54-57, 1989.
 45. Weber HS, Kleinmann CS, Hellenbrand WE, Kopf GS, Copel J: Development of a benign intrapericardial tumor between 20 and 40 weeks of gestation. *Pediatr Cardiol*, 9:153-156, 1988.
 46. Saitel A, Kopf GS, Elefteriades J, Hammond GL, Shaffer W, Farrell D, Ponn R, Lister G: Resuscitation of cold water immersion victims with cardiopulmonary bypass. *J Critical Care*, 4:54-57, 1989.
 47. Kopf GS, Stahl RS: Muscle flap reconstruction of open median sternotomy wounds in infants. In *Perspectives in Pediatric Cardiology*, volume 2. Edited by Giancarlo Crupi, Lucio Parenzan, Robert H. Anderson. Futura Publishing Co., Mount Kisco, NY, p. 315, 1989.
 48. Letsou GV, Franco KL, Kopf GS, Dewar ML, Elefteriades JA, Hammond GL, Baldwin JC: Heart-lung transplantation: Initial experience in New England. *Conn Med*, 54:419-424, 1990.
 49. Stahl RS, Kopf GS: Infected sternotomy wounds. *Eur J Cardio-thorac (Letters)*, 4:628, 1990.
 50. Elefteriades JA, Hammond GL, Gusberg RJ, Kopf GS, Baldwin JC: Fenestration revisited: A safe and effective procedure of choice for descending aortic dissection. *Arch Surgery*, 125:786-90, 1990.
 51. Kopf GS, Laks H, Stansel HC, Hellenbrand WE, Kleinman CS, Talner NS: Thirty year follow-up of superior vena cava-pulmonary artery (Glenn) shunts. *J Thorac Card Surg*, 100(5):662-671, 1990.
 52. Stahl RS, Kopf GS: Sternotomy infections in infants. *Ann Thor Surg (Letters)*, 50(2):337, 1990.
 53. Elefteriades JA, Gusberg RJ, Kopf GS, Hammond GL, Baldwin JC: Fenestration revisited: procedure of choice for descending aortic dissection with blood flow compromise. (abstracted version) *Year Book of Vascular Surgery*. Gergan JJ, and Yao JST, (eds). Mosby-Year Book, Inc. 1991.
 54. Letsou GV, Kopf GS, Elefteriades JA, Carter JE, Baldwin JC, Hammond GL: Is cardiopulmonary bypass effective for treatment of hypothermic arrest due to drowning or exposure. *Arch Surg*, 127:525-28, 1992.
 55. Higgins RSD, Sanchez JA, Dewar ML, Franco KL, Kopf GS, Elefteriades JA, Hammond GL, Baldwin JC: Mechanical circulatory support decreases neurologic complications in the management of traumatic injuries of the thoracic aorta. *Arch Surg*, 127:516-19, 1992.
 56. Elefteriades JA, Hartleroad J, Gusberg RJ, Salazar AM, Black HR, Kopf GS, Baldwin JC, Hammond GL: Long-term experience with descending aortic dissection: The complication-specific approach. *Ann Thorac Surg*, 53:11-21, 1992.
 57. Kopf GS, Kleinman CS, Hijazi ZM, Fahey JT, Dewar ML, Hellenbrand WE: Fenestrated Fontan with delayed

- transcatheter ASD closure: improved results in high risk patients. *J Thorac Cardiovas Surg*, 103:1039-48, 1992.
58. Hijazi ZM, Fahey JT, Kleinman CS, Kopf GS, Hellenbrand WE: Hemodynamic Evaluation Before and After Closure of Fenestrated Fontan: An acute study of changes in oxygen delivery. *Circ*, 86:196-202, 1992.
 59. Dewar ML, Kleinman CS, Hellenbrand WE, Fahey JT, Talner NS, Bruckner M, Kopf GS: Neonatal correction of transposition of great arteries: The connecticut experience, *Connecticut Med* 56(12):671-674, 1992.
 60. Kopf GS, Baldwin JC, Elefteriades JA: Heart Surgery. In Zaret BZ, Moser M, Cohen LS, (eds) Yale School of Medicine Heart Book. Hearst Publication, New York. pp 313-329, 1992.
 61. Elefteriades JA, Kopf GS, Hammond GL, Dewar ML, Shaw RK, Baldwin JC: Composite graft with coronary button reimplantation: method of choice for aortic root replacement. *Circ Suppl* 86(4):1-306, 1992.
 62. Elefteriades JA, Solomon LW, Salazar AM, Batsford WP, Baldwin JC, Kopf GS: Linear Left Ventricular Aneurysmectomy: Modern Imaging Studies Reveal Improved Morphology and Function. *Ann Thorac Surg*, 56:242-52, 1993.
 63. Kopf GS, Dewar ML: Cardiovascular Surgery in the Newborn. Oski FA, et al, eds. Principles and Practice of Pediatrics. Philadelphia: J.B. Lippincott Co., 565-573, 1994.
 64. Schwann TA, Lobdell KW, Braxton JH, Condos SG, Baldwin JC, Kopf GS: 5' -Nucleotidase Inhibition Enhances Post-Ischemic Myocardial Performance. *J of Surg Research* 56:356-360, 1994.
 65. Kopf GS: Tricuspid Atresia. Mavroudis C, Backer CL, eds. Second Edition, Pediatric Cardiac Surgery. St. Louis: Mosby, 1994.
 66. El Gamel A, Barrett P, Kopf GS: Pneumopericardium: a rare cause of cardiac tamponade in an infant on a positive pressure ventilation. *Acta Paediatr* 83: Paper 2096, 1994.
 67. Hirsh J, Gollin G, Seashore J, Kopf GS, Barash PG: Mediastinal "Tamponade" of a Tracheal Rupture in Which Partial Cardiopulmonary Bypass Was Required for Surgical Repair. *J Cardiothorac Vasc Anes*, 8:682-684, 1994.
 68. Stahl RS, Kopf GS: Letter on "Vascularized Muscle Flaps For Life Threatening Mediastinal Wounds in Children", Backer CL Pensler JM, Tobin GR, Mavroudin C. *Ann Thorac Surg*, 58:1568-1569, 1994.
 69. Stahl RS, Kopf GS: Reoperative Surgery of the Chest Wall, Grotting J ed. Reoperative Aesthetic and Reconstructive Plastic Surgery, Quality Medical Publishers, St. Louis, 1995.
 70. Braxton JH, Hammond GL, Letsou GV, Franco KL, Kopf GS, Elefteriades JA, Baldwin JC: "Optimal Timing of Coronary Artery Bypass Grafting Following Acute Myocardial Infarction," *Circ*. 92:(9)11-66, 1995.
 71. Rosenthal DN, Friedman AH, Kleinman CS, Kopf GS, Rosenfeld LE, Hellenbrand WE: "Thromboembolic Complications After Fontan Operations," *Circ Suppl* 92:(9)287-291, 1995.
 72. Kopf GS, Laks H: Atrial Septal Defect and Cor Triatriatum, Baue A, Geha AS, Hammond GL, Laks H, Naunheim K, eds. Glenn's Thoracic and Cardiovascular Surgery, Sixth Edition, Stamford, CT: Appleton & Lange, Vol II:1115-1125, 1996.
 73. Elefteriades JA, Zaret B, Tolis G, Morales D, Batsford W, Jones M, Fliegner K, Nikas D, Howes C, Kopf GS: Application of conventional operations (CABG, valve replacement and left ventricular aneurysmectomy) to the failing left ventricle. *Journal of Heart Failure*. Abstract #455, 114; 1996.
 74. Elefteriades JA, Jones MF, Fliegner K, Singh S, Howes C, Nikas D, Kopf GS. Mitral valve procedures in advanced left ventricular dysfunction. *Circulation Supplement I* 94 (8): 533. 1996.

75. Braxton JH, Higgins RDS, Schwann TA, Sanchez JA, Dewar ML, Kopf GS, Hammond GL, Letsou GV, Elefteriades JA: Reoperative mitral valve surgery via right thoracotomy: decreased blood loss and improved hemodynamics. *J Heart Valve Dis.* 5(2):169-73, 1996.
76. Stahl, RS, Kopf GS. Chest Wall Reconstruction. Elliott LF, Stahl RS (eds). *Flaps: Decision-Making Clinical Practice.* Martin Dunitz Publishers pp. 95-113, 1997.
77. Bruckheimer E, Bulbul ZR, Hellenbrand W, Kleinman CS, Kopf GS: "Takedown of Glenn shunts in adult congenital heart disease with polytetrafluoroethylene grafts: technique and long term follow-up." *J Thorac Cardiovas Surg Vol.* 223(3):607-608-1997.
78. Tellides G, Maragh M, Smith JM, Kopf GS, Ezekowitz M, Remetz M, Elefteriades JA: Minimally invasive coronary artery bypass grafting: initial connecticut experience, *Conn Med* 61(3):135-141, 1997.
79. Coady MA, Rizzo JA, Hammond GL, Mandapati D, Darr U, Kopf GS, Elefteriades JA: What is the appropriate size criterion for resection of thoracic aortic aneurysms? *J Thorac Cardiovasc Surg*, 113:476-91, 1997.
80. Elefteriades JA, Meyer DB, Fliegner K, Wackers FJ, Kopf GS. Aortic Insufficiency with Failed Left Ventricle: Valve replacement is safe and effective. *Circulation (supp)* Vol. 96 (8) I-204, 1997.
81. Rizzo J, Darr U, Fischer M, Johnson K, Finkle J, Gusberg R, Kopf G, Abbott T, Shevchenko I, Elefteriades J. Multimodality serial follow-up of thoracic aortic aneurysms. *Jl Intl Col Angiol* 6:153-156, 1997
82. Ugurlu BS, Tellides G, Wackers JTH, Quin JA, Kopf GS, Elefteriades JA. Ventricular size is a predictor of outcome in patients with severely impaired left ventricular function undergoing coronary artery bypass graft surgery. *Circulation (supp)*, vol 96(8) I-435, 1997.
83. Elefteriades JA, Tellides G, Ramahi T, Kopf GS, Solomon LW, Rosenfeld L, Batsford WP. Ventricular remodeling for heart failure: Aneurysmectomy and Batista procedures. *J Heart Failure.* Vol 4(1):589, 1997.
84. Mehta I, Weinberg J, Jones M, Tellides G, Kopf GS, Shaw RK, Zaret BL and Elefteriades JA: Should angiographically disease-free saphenous vein grafts be replaced at the time of redo CABG? *Ann Thorac Surg* 65:17-23, 1998.
85. Platis IE, Kopf GS, Dewar ML, Shaw RK, Elefteriades JA. Composite graft with coronary button reimplantation: Procedure of choice for aortic root replacement. *Intl J Angiology* 7:41-45, 1998.
86. Coady MA, Rizzo JA, Hammond GL, Kopf GS, Elefteriades JA. Penetrating ulcer of the thoracic aorta: what is it? how do we recognize it? *J. Vasc Surg*, 27:1006-16, 1998.
87. Moinuddeen K, Quin J, Shaw R, Dewar M, Tellides G, Kopf GS, Elefteriades J. Anticoagulation is unnecessary after biologic aortic valve replacement. *Circulation* vol. 98:II, 95-9, 1998.
88. Coady MA, Davies RR, Roberts M, Goldstein L, Rizzo JA, Hammond GL, Kopf GS, Elefteriades JA: Familial Patterns of Thoracic Aortic Aneurysms. *Archives of Surgery*, Vol 134, pp 361-367, 1999.
89. Elefteriades JA, Lovoulos CJ, Coady MA, Tellides G, Hammond GL, Kopf GS, Rizzo JA: Management of descending aortic dissection. *Ann Thorac Surg* 67:2002-2005, 1999.
90. Coady MA, Rizzo JA, Hammond GL, Kopf GS, Elefteriades JA. Surgical intervention criteria for thoracic aortic aneurysms: A study of growth rates and complications. *Ann Thorac Surg* 67:1922-1926, 1999.
91. Fitch, JCK, Rollins S, Matis L, Alford B, Aranki S, Collard MD, Dewar ML, Elefteriades JA, Hines R, Kopf G, Kraker DO, Li L, O'Hara R, Rinder C, Rinder H, Shaw R, Smith B,

- Stahl G, Sherman S: Pharmacology and Biological Efficacy of a Recombinant, Humanized Single-Chain Antibody C5 Complement Inhibitor in Patients Undergoing Coronary Artery Bypass Graft Surgery with Cardiopulmonary Bypass. *Circulation* 100:2499-2506, 1999.
92. Coady MA, Rizzo JA, Hammond GL, Mandapati D, Darr U, Kopf GS, Elefteriades JA. What is the appropriate size criterion for resection of thoracic aortic aneurysms? 1999 Yearbook of Vascular Surgery, Mosby-Year Book, Inc.
 93. Scholl, FG, Coady MA, Davies R, Rizzo JA, Hammond GL, Kopf GS, Elefteriades JA: Interval or Permanent Non-operative Management of Type A Aortic Dissections. *Archives of Surgery*, Vol 134, pp 402-406, 1999.
 94. Kopf GS, Dewar ML. Cardiovascular Surgery in the Newborn. In Oski's Pediatrics: Principles and Practice, 3rd edition, DeAngelis, Feigin, McMillan, Warshaw (eds.), Lippincott, Williams & Wilkins, Philadelphia, pp 300-308, 1999.
 95. Elefteriades J, Coady M, Nikas D, Kopf G, Gusberg R: The "Cobrahead" graft for intercostal artery implantation during descending aortic replacement. *Ann Thorac Surg*, 69:1282-84, 2000.
 96. Elefteriades JA, Lovoulos C, Tellides G, Goldstein L, Rocco E, Condos S, Kopf GS. Right Ventricular Sparing Heart Transplantation: Promising New Techniques for the Recipient with Pulmonary Hypertension. *Ann Thorac Surg* 69:1858-64, 2000.
 97. Modi BP, Longo MJ, Kopf GS, Elefteriades JA. Surgical Management of Giant Descending Aortic Thrombus Detected by Transesophageal Echocardiography. *Int. J of Angiology* 9:243-45 (2000).
 98. Kopf GS: "Neonatal Cardiac Surgical Palliations" Kleinman, CS, et al, eds. *Fetal and Neonatal Cardiology*. Philadelphia, W.B Sanders Co., (in press).
 99. Goldstein LJ, Davies RR, Rizzo JA, Davila JJ, Cooperburg MR, Shaw RK, Kopf GS, Elefteriades JA. Stroke in surgery of the thoracic aorta: incidence, impact, etiology, and prevention. *J Thorac & Cardiovasc. Surg* 122:935-45, 2001.
 100. Wood J, Friedman A, Kopf GS. Giant right coronary artery fistula in a neonate. *Heart* 84(2):128, 2000.
 101. Wood JC, Reyes-Mugica M, Kopf G. Vascular aneurysm producing divided right atrium in a patient with pulmonary atresia and intact ventricular septum. *Cardiology in the Young*, 10(3): 281-5, 2000.
 102. Elefteriades JA, Kopf GS, Lovoulos CJ, Reply to the editor regarding RV-Sparing Letter. *Annals of Thoracic Surgery*, 72:316-22, 2001.
 103. Kim R, Mariconda D, Tellides G, Kopf G, Dewar M, Lin Z, Elefteriades J. Single-clamp technique does not protect against cerebrovascular accident in coronary artery bypass grafting. *European Journal of Cardiothoracic Surgery*, 20: 127-132, 2001.
 104. Davies R, Goldstein L, Coady M, Tittle S, Rizzo J, Kopf G, Elefteriades J. Yearly Rupture/Dissection Rates for Thoracic Aortic Aneurysms: Simple Prediction Based on Size. *Ann Thorac Surg* 2002; 73:17-28.
 105. Tittle S, Lynch R, Cole P, Singh H, Rizzo J, Kopf G, Elefteriades J. Midterm Follow-up of Penetrating Ulcer and Intramural Hematoma of the Aorta. *J Thorac & Cardiovasc Surg*, 123:1051-1059, 2002.
 106. Tittle S, Mandapati D, Kopf G, Elefteriades J. Alternate Technique for Implantation of Novacor Left Ventricular Assist System: Left Thoracotomy Approach for Re-op Cases. *Ann Thorac Surg*. 2002 73: 17-28

107. Daives RR, Rizzo JA, Kopf GS, Eleftheriades JA. Safety of Thoracic Aortic Surgery in the Modern Era: A Single Center Experience From 1997-2000. *Circulation supplement* (submitted).
108. Tittle SL, Kopf GS, Eleftheriades JA: Letter to the Editor—Management of Aortic Intramural Hematoma. *J of Am Coll of Cardiol*. Vol. 39 (1), 2001.
109. Kopf GS, Mello DM, Moltedo J, Kenney KM, Rollinson NR, Snyder CS. Intraoperative Radiofrequency Ablation of the Right Atrium: Effectiveness for Treatment of Supraventricular Tachycardia in Congenital Heart Surgery. *Ann Thorac Surg*. (In press)
110. Bruckheimer E, Berul CI, Kopf GS, Hill SL, Warner KA, Kleinman CS, Rosenfeld LE, and Nehgme RA. Late Recovery of Surgically-Induced Atrioventricular Block in Patients with Congenital Heart Disease. *J of Interventional Cardiac Electrophys*. 6, 191-197, 2002
111. Moltedo JM, Kopf GS, Mello DM, and Porter GA. Right Coronary Artery Arising from the Left Ventricular Outflow Tract. A Rare Congenital Anomaly of the Coronary Arteries. *Pediatric Cardiology*. (In press)
112. Kopf GS, Larson MS, Friedman AH, Lynch PJ, Jaffe CC: On-line educational resource for grown-ups with Congenital heart disease (GUCH): emphasis on imaging modalities and complex surgical procedures. *Cardiology in the Young*., Vol. 11 (Supp 1), p. 121, May 2001.
113. Mello D, Kopf GS. Repair of Infantile Aortic Coarctation and Transverse Arch Hypoplasia with Resection and Extended End to Undersurface of Aortic Arch Anastomosis. *CTSNET Experts' Technique*, 2002.
114. Eleftheriades J, Lovoulos C, Edwards R, Tittle S, Riley T, Tang P, Rocco E, Kopf G. Novel Technique for Isolated Accessory Right Heart Transplantation for Congenital Heart Disease. *J Thorac & Cardiovasc Surg* (in press).
115. Tolis G, Korkolis D, Kopf G, and Eleftheriades J. Revascularization Alone (Without Mitral Valve Repair) Suffices in Patients With Advanced Ischemic Cardiomyopathy and Mild-to- Moderate Mitral Regurgitation. *Ann of Thorac Surg*, Vol. 74, p. 1467-1481, November 2002.

ABSTRACTS

1. Mirvis DV, Kopf GS, Myers RE. Use of numerical methods in the calculation of force-velocity parameters" *Fed Proc* 32:3, 1973.
2. Kopf GS: Computer analysis of hemodynamic data: construction of force-velocity curves and comparison on indices of contractility. *Public Health Service* p. 42, 1973.
3. Collins JJ, Tucker WY, Kopf GS, Koster JK, Mee R, Cohn LH: The impact of revascularization and surgery upon hospital costs in patients with angina pectoris. *Am J Card* 41:477, 1978.
4. Laks H, Hellenbrand W, Stansel H, Pennel R, Kleinman C, Lister G, Kopf GS, Talner N: Improved results in the treatment of pulmonary atresia with intact ventricular septum. *Circulation* 64-II:4:31, 1981.
5. Cleman M, Zito R, Kopf GS , Gurkan. The effect of isolated intrathecal propranolol administration upon cardiac hemodynamics. *Am J Card* 1:696, 1983.
6. Hellenbrand W, Glenn W, Laks H, Kopf GS, Stansel H, Hennisz A, Talner N: Cava-pulmonary artery anastomosis. *Circulation* 68:111-212, 1983.
7. Geha AS, Francis CK, Hammond GL, Laks H, Kopf GS, Hashim, SW: combined valve replacement and myocardial revascularization. *J Cardiovasc Surg* 24: 391, 1983.

8. Geha AS, Hashim SW, Kopf GS, Hammond GL: Early and late results of combined valve replacement and myocardial revascularization: The problem of severe ischemic mitral regurgitation. *Chest* 86:292, 1984.
9. Oh TH, Fox L, Kopf GS: Systemic resistance and rewarming time following hypothermia for open heart surgery in infants: Nitro-pruisside and/or droperidol. *Anesth Analg* 65(S):112, 1986.
10. Oh TH, LaMantia K, Kopf GS: The optimal dose of protamine for reversal of heparinization. *Pediatr Anesth* 32, 1986.
11. Condos SG and Kopf GS: Left ventricular (LV) to right ventricular (RV) free wall ratio: A superior indices for ventricular hypertrophy. *Federation of Amer. Soc. for Experimental Biology* Vol. 1, No. 6:5754, 1988.
12. Oh TH, Kopf GS: Does serum K⁺ level change after cardioplegia during cardiopulmonary bypass in pediatric open heart surgery. *J Anesth & Analg*, 65(Suppl):113, 1986.
13. Kopf GS, Hammond GL, Elefteriades JA, Baldwin JC: Comparison of long term complication rates of 3 types of mechanical valves (N=471) (St.Jude, Bjork-Shiley, Starr-Edwards) implanted over a ten year period. *J Cardvasc Surg* 30(Suppl):99, 1989.
14. Stahl RS, Kopf GS: Chest wall and breast deformities resulting from thoracic surgical interventions in infancy and childhood-longterm follow-up and treatment. *Eur J Cardio-thoracic Surg.*, 1989.
15. Condos SG, Letsou GV, Detmer WM, Kopf GS, Baldwin JC: A standardized method of expressing ventricular weight independent of breed, sex, age, and weight in the canine model. *J Investigative Surg* 3(3):322, 1990.
16. Letsou GV, Franco KL, Hammond GL, Elefteriades JA, Kopf GS, Dewar ML, Baldwin JC: Initial experience with heart-lung transplantation in New England. *Conn Medicine* 54:419-424, 1990.
17. Sanchez JA, Hellenbrand WE, Kleinman CS, Kopf GS: Cor Triatriatum in Infancy: Surgical Results and Long-term Follow-up. *Chest* 102(suppl):70S, 1992.
18. Sanchez JA, Shely W, Franco KL, Higgins RSD, Elefteriades JE, Kopf GS, Hammond GL, Baldwin JC: Criteria For Selection of Adequate Donors In Lung Transplantation: a multicenter study, 1992.
19. Kopf GS, et al: Fenestrated Fontan Operation with Delayed Transcatheter Closure of Atrial Septal Defect: Improved Results in High-Risk Patients. *J Thorac Cardiovas Surg* 103:1039-1048, 1992.
20. Rosenthal DN, Friedman AH, Kleinman CS, Kopf GS, Rosenfeld LE, Hellenbrand WE: Thromboembolic Complications Following Fontan Procedures. *Circ.* 92(suppl):287-293, 1995.
21. Hammond GL, Elefteriades JA, Franco KL, Kopf GS: Type A Dissection Repair Using Glutaraldehyde. Submitted III All-Russian Congress of Cardiovascular Surgeons, Dec, 1996.
22. Bulbul ZR, Bruckheimer E, Kopf GS, Fahey JT, Kleinman CS, Hellenbrand WE: Balloon valvuloplasty for palliation of tetralogy of Fallot in small infants with cyanosis or coronary artery anomalies. *Isr J Med Sci* 32:1011, 1996.
23. Bruckheimer E, Bulbul ZR, Kopf GS, White Jr RI, Hellenbrand WE: 2 Transcatheter embolization of pulmonary arteriovenous fistulae in end-to-side Glenn shunts. *Circ* 94:1719-720, 1996.
24. Bruckheimer E, Berul C. Kopf GS, Hill SL, Rosenfeld LE, Kleinman CS, Nehgme R: Recovery of surgically induced heart block in congenital heart disease. *J AM Coll Cardiol* 29:357A, 1996.
25. Elefteriades JA, Jones MF, Fliegner K, Singh S, Howes C, Nikas D, Kopf GS: Mitral valve procedures in advanced left ventricular dysfunction. *Circulation Supp* 194(8):533, 1996.

26. Bruckheimer E, Berul CI, Kopf GS, Hill SL, Rosenfeld LE, Kleinman CS, Nehgme RA: Recovery of Surgically Induced Heart Block in Congenital Heart Disease. JACC 29(Suppl): 357A, 1997.
27. Elefteriades JA, Zaret B, Tolis G, Morales D, Nikas D, Jones, M, Fliegner K, Meyer DB, Kopf G. Conventional surgery as an alternative to transplantation for the failing left ventricle. Circulation (supp), Vol 96(8) I-29, 1997.
28. Elefteriades JA, Moinuddeen K, Quin JA, Shaw RK, Dewar M, Tellides G, Kopf GS. Anticoagulation is Unnecessary after Biologic Aortic Valve Replacement. Circulation (supp) Vol. 96 (8) I-431, 1997.
29. Elefteriades JA, Meyer DB, Fliegner K, Wackers FJ, Kopf GS. Aortic Insufficiency with Failed Left Ventricle: Valve replacement is safe and effective. Circulation (supp) Vol. 96 (8) I-204, 1997.
30. Ugurlu BS, Tellides G, Wackers JTH, Quin JA, Kopf GS, Elefteriades JA. Ventricular Size is a Predictor of Outcome in Patients with Severely Impaired Left Ventricular Function Undergoing Coronary Artery Bypass Graft Surgery. Circulation (supp) 96(8) I-435, 1997.
31. Elefteriades JA, Tellides G, Ramahi T, Kopf GS, Solomon LW, Rosenfeld L, Batsford WP. Ventricular remodeling for heart failure. Aneurysmectomy and Batista procedures. Journal fur Kardiologie; 2S:144, 1997.
32. Mehta I, Tellides G, Kopf GS, Cohen LS, Elefteriades JA: Pericardiectomy for Chronic Constrictive Pericarditis – Low Mortality and Sustained Long-term Functional Improvement. The Journal of Heart Disease, Vol. 1, May 1999; p. 180.

Selected Presentations

Second World Congress of Pediatric Cardiology. June, 1985. New York, NY. Superior vena cava-right pulmonary artery anastomosis (SVC-RPA): A long-term follow-up.

Second World Congress of Pediatric Cardiology. June, 1985. New York, NY. Fate of left sided cardiac bioprosthetic valves - an update.

Second World Congress of Pediatric Cardiology, New York, NY. June, 1985. Surgical treatment of coarctation complex in neonates: Results and follow-up.

Stahl RS, Kopf GS, West K, Stansel HC, Touloukin R, Seashore J: Congenital and acquired breast deformities in young adults and children: Evaluation, treatment and prevention. Presented, Annual Meeting Connecticut Chapter of American College of Surgeons and Connecticut Society of American Board Surgeons, December 14, 1988.

Current Controversies and Techniques in Congenital Heart Surgery. Symposium. September, 1989. Baltimore, Maryland. Faculty Member

Kopf GS, Hillel L, Horace CS, Hellenbrand WE, Kleinman CS, Norman TS: 30 Year follow-up of superior vena cava-pulmonary shunts. Presented AATS May 8, 1989.

Society of Pediatric Cardiac Surgeons. Meeting, May, 1990. Boston, Massachusetts. Guest Faculty Member

III World Congress of Pediatric Cardiology. November, 1989. Bangkok, Thailand. Results of Treatment of Complete Atrioventricular Canal in Infants.

Impaired Myocardial Performance: Evaluation and Management in the Cardiac Surgical Patient. Symposium September, 1989. Phoenix, Arizona. Visiting Faculty

1st World Congress of Pediatric Cardiac Surgery. June, 1988. Bergamo, Italy. Muscle flap reconstruction of problem sternotomy wounds in infants following surgery for congenital heart disease.

The American Association for Thoracic Surgery. Annual Meeting May, 1989. Boston, Massachusetts. 30 Year follow-up of Superior Vena-Cava-Pulmonary Artery Shunts.

XIX World Congress of the International Society for Cardiovascular Surgery. September 1989, Toronto, Canada. Comparison of long-term complication rate of three types of mechanical valves(n=471)(St. Jude, Bjork-Shiley, Starr-Edwards) implanted over a ten year period.

Stahl RS, Kopf GS: Chest wall and breast deformities resulting from thoracic surgical interventions in infancy and childhood-longterm follow-up and treatment. Eur J Cardio-thoracic Surg, Naples, 1990

The American Association for Thoracic Surgery. Annual Meeting, 1991. Washington D.C. Fenestrated Fontan With Delayed Transcatheter ASD Closure: Improved Results In High Risk Patients.

American Association for Thoracic Surgery. May, 1991. Washington, D.C. Fenestrated fontan with delayed transcatheter ASD closure: Improved results in high risk patients.

American College of Chest Physicians Annual Scientific Assembly. October, 1992. Chicago, Illinois. Cor triatriatum in infants: surgical results and long-term follow-up.

Lobdell K, Schwann T, Braxton J, Baldwin J, Kopf G.: Allopurinol improves post-ischemic myocardial performance. Presented FASEB Annual Meeting, April, 1994.

American Heart Association November, 1994. Thromboembolic complications following Fontan procedures.

Mediterranean Association of Cardiology and Cardiac Surgery, Annual Meeting, 1996. Tel-Aviv, Israel. Balloon valvuloplasty for palliation of tetralogy of Fallot in small infants with cyanosis or coronary artery anomalies.

American Heart Association, Annual Meeting, 1996. New Orleans. Transcatheter embolization of pulmonary arteriovenous fistulae in end-to-side Glenn Shunts.

American College of Cardiology, Annual Meeting, 1997. Anaheim, California. Recovery of surgically induced heart block in congenital heart disease.

American Heart Association - St. Jude Valves

Surgical Forum - ATP cardioplegia

Society of Academic Surgery - ATP reperfusion

New England Surgical Society- heart valves in children

Connecticut Perinatal Association-Cardiac Valve (Homograft) Transplantation

Technically Challenging Procedures in Adult Cardiac Surgery. "Congenital Heart Disease in the Adult." Foxwoods Resort, Connecticut, Sept. 2000.