

SUNY Downstate Medical Center
Division of Cardiothoracic Surgery

FACULTY PUBLICATIONS:

1. Anita Chiu, **Daniel Lee, Wilson Ko**. Off-pump versus conventional coronary artery bypass surgery for 97 consecutive octogenarian patients: an analysis of short term outcome and five year survival. Manuscript in preparation.
2. Alistair B.M. Phillips, **Wilson Ko**. Effects of ischemic preconditioning and adenosine pretreatment on myocardial function and energetics in a clinically relevant model. *Life Sciences*. 2007, 81:1355-1361
3. Larry Shemen, **Wilson Ko**. Current technique for resection of mediastinal goiter. *Ear Nose Throat J*. 2006 Sep; 85(9):609-11.
4. Charlie Mack, Fred Milla, **Wilson Ko**, Len Girardi, Len Lee, Anthony Tortolani, J Mascitelli, Karl Krieger, O. Wayne Isom. Surgical treatment of atrial fibrillation using argon-based cryoablation during concomitant cardiac procedures. *Circulation* 2005 Aug 30; 112(9 Suppl):I1-6.
5. Fred Milla, N Skubas, WM Briggs, L Girardi, L Lee, **Wilson Ko**, Anthony Tortolani, Karl Krieger, O. Wayne Isom, Charlie Mack. Epicardial beating heart cryoablation using a novel argon-based cryoclamp and linear probe. *J Thorac Cardiovascu Surg*. 2006 Feb; 131(2):403-11.
6. William DeBois, J Liu, Len Lee Len Girardi, **Wilson Ko**, Anthony Tortolani, Karl Krieger, O. Wayne Isom. Cardiopulmonary bypass in patients with pre-existing coagulopathy. *J Extra Corpor Technol*. 2005 Mar; 37(1):15-22. Review.
7. Matthew Bacchetta, **Wilson Ko**, Leonard Girardi, Charles Mack, Karl Krieger, O. Wayne Isom, Leonard Lee. Outcomes of Cardiac Surgery in Nonagenarians: A 10-Year Experience. *Annals of Thoracic Surgery*. *Ann Thorac Surg* 2005 Apr; 75(4):1215-20. Review.
8. Matthew Bacchetta, Leonard Girardi, Edward Southard, Charles Mack, **Wilson Ko**, Karl Krieger, O. Wayne Isom, Leonard Lee. Bedside Percutaneous Dilatational Tracheostomy in the Cardiothoracic Surgical Patient: Outcomes and Financial Analysis. *Annals of Thoracic Surgery*. *Ann Thorac Surg*. 2005 Jun; 79(6):1879-85.
9. DJ Boffa, **Vinay Tak**, SL Jansson, **Wilson Ko**, KV Krishnasastry. Atheroemboli to Superior Mesenteric Artery Following Cardiopulmonary Bypass. *Annals of Vascular Surgery*. March 2002; 16(2): 228-30.

10. **Wilson Ko**, Shailen Patel. Sinus of Valsalva Aneurysm. *Annals of Thoracic Surgery*. 2002; 74(6):2198.
11. Todd Rosengart, Eileen Finnin, David Kim, Sanjay Sami, Yvette Tanhekco, **Wilson Ko**, Samuel Lang, Karl H. Krieger, O. Wayne Isom, MD. Open Heart Surgery in the elderly: Results from a Consecutive series of 100 patients aged 85 years or older. *American Journal of Medicine*. February 2002, 112(2) p 143-7
12. Leonard Lee, William DeBois, Karl Krieger, Leonard Girardi, Laura Russo, James McVey, **Wilson Ko**, Nasser Altorki, Richard Brodman, O. Wayne Isom. The Effects of Platelet Inhibitors on Blood Use in Cardiac Surgery. *Perfusion (England)*. January 2002, 17(1) pp 33-7.
13. **Wilson Ko**. Off-Pump Innominate-Coronary Artery Bypass in Patients with Severely Atherosclerotic Ascending Aorta. *Heart Surgery Forum*. October 2001; #2001-37560.
14. A. Lauto, AH Hamawy, ABM Phillips, PB Petratos, J Raman, D Felsen, **Wilson Ko**, DP Poppas. Carotid Artery Anastomosis with Albumin Solder and Near Infrared Lasers: A Comparative Study. January 2001. *Lasers Surg Med*. 28(1) p50-5.
15. Stephen Grobmyer, Hassan Naama, Parviz Befarin, Kai Engstad, **Wilson Ko**. Boerhaaves's Syndrome. *Journal of American College Surgery*. February 2001; 192(2) p232.
16. AB Phillips, BY Ginsberg, SJ Shin, R Soslow, **Wilson Ko**, DP Poppas. Laser Welding for Vascular Anastomosis Using Albumin Solder: An Approach for MID-CAB. *Lasers Surg Med*. 1999; 24(4) pp 264-8.
17. JD Klemperer, **Wilson Ko**, Karl Krieger, M. Connolly, TK Rosengart, N. Altorki, S. Lang, OW Isom. Cardiac Operations in Patients with Cirrhosis. *Annals of Thoracic Surgery*. January 1998; 65:85-87.
18. Todd Rosengart, Maureen O'Hara, William DeBois, Robert Helm, Maureen Gomez, Samuel Lang, Nasser Altorki, **Wilson Ko**, Gregg S. Hartman, O. Wayne Isom, Karl H. Krieger. Retrograde Autologous Priming (RAP) for Cardiopulmonary Bypass: A Safe and Effective Means of Decreasing Hemodilution and Transfusion Requirements. *Journal of Thoracic and Cardiovascular Surgery*, February 1998. Volume 115; pages 426-439. Discussion 438-9.
19. Todd Rosengart, Maureen O'Hara, Sam Lang, **Wilson Ko**, Nasser Altorki, Karl Krieger, O. Wayne Isom. Outcome Analysis of 245 CarboMedics and St. Jude Valves Implanted at The Same Institution. *AnnThorac Surg*, November 1998, 66(5) pg 1684-91.
20. Qing-Xue Zhang, Christopher J. Magovern, Charles A. Mack, Kurt T. Budenbender, **Wilson Ko**, Todd Rosengart. Vascular Endothelial Growth

Factor Is the Major Angiogenic Factor in Omentum: Mechanism of the Omentum-Mediated Angiogenesis. *Journal of Surgical Research*, February 1997; 67: 147-154.

21. Charles Mack, CJ Magovern, RT Hahn, T Sanborn, L Lanning, **Wilson Ko**, OW Isom, TK Rosengart. Channel Patency and Neovascularization After Transmyocardial Revascularization Using an Excimer Laser: Results and Comparisons to Nonlased Channels. *Circulation*. November 1997, 96(9 Suppl) pII 65-69.
22. **Wilson Ko**. Coronary Artery Bypass Surgery in Elderly Patients. *Facts, Research and Intervention in Geriatrics*. 1997, 217-221.
23. Ferdinand T. Velasco, **Wilson Ko**, Todd Rosengart, Nasser Altorki, Samuel Lang, Jeffrey P. Gold, Karl H. Krieger, and O. Wayne Isom. Cost Containment in Cardiac Surgery: Results With a Critical Pathway for Coronary Bypass Surgery at New York Hospital-Cornell Medical Center. *Best Practices Benchmarking Health*. January-February 1996; 1:21-28.
24. Jeffrey P. Gold, Hazem Y. Afifi, **Wilson Ko**, Neal Horner, and Rebecca Hahn. Congenital Giant Aneurysms of the Left Atrial Appendage: Diagnosis and Management. *J Card Surg*. March-April 1996; 11:147-150.
25. Christopher J. Magovern, Charles A. Mack, John Zhang, Rebecca T. Hahn, **Wilson Ko**, O. Wayne Isom, Ronald G. Crystal, Todd Rosengart. Direct In Vivo Gene Transfer to Canine Myocardium Using a Replication-Deficient Adenovirus Vector. *Ann Thorac Surg*. August 1996; 62:425-434. Discussion 433-4.
26. Naem M. Shahrour, **Wilson Ko**. A New Therapy for Emphysema: Lung Reduction Surgery (Pneumoplasty) Between "Yes" and "No". *Medical Updates on Therapy, Diagnosis & Prevention*. September 1996.
27. **Wilson Ko**, O. Wayne Isom. Cardiopulmonary bypass procedures in patients with cold-reactive hemagglutination. A Case Report and a Literature Review. *J Cardiovasc Surg* 1996; 37:623-626.
28. **Wilson Ko**, Gary Fantini. Prosthetic graft infection involving the thoracic aorta: graft excision and extra-anatomic revascularization. *Cardiovasc Surg*. February 1994; 2:81-4.
29. Gadeleta, Leilani Fahey, **Wilson Ko**, Madhu V. Kumar, Karl H. Krieger, O. Wayne Isom, John Mihran Davis. Neutrophil Leukotriene Generation Increases After Cardiopulmonary Bypass. *J Thorac Cardiovasc Surg*. October 1994; 108:642-7.
30. **Wilson Ko**, John A. Zelano, O. Wayne Isom, Karl H. Krieger. The Effects of Warm Vs. Cold Blood Cardioplegia on Endothelial Function, Myocardial Function and Energetics. *Circulation* 1993; 88[part 2] 359-65.

31. **Wilson Ko**, John Zelano, Leilani A. Fahey, Karen Berman, Daniel Lang, O. Wayne Isom, Karl Krieger. The Effects of Amrinone Versus Dobutamine on Myocardial Mechanics and Energetics After Hypothermic Ischemia. *J Thorac Cardiovasc Surg* 1993; 105:1015-24.
32. **Wilson Ko**, John A. Zelano, Leilani A. Fahey, Karen Berman, O. Wayne Isom, Karl H. Krieger. Warm Ischemic Tolerance of the Arrested Heart During Warm Cardioplegia. *Eur J Thorac Cardiovasc Surg* 1993; 7:295-299.
33. **Wilson Ko**, Daniel Lang, Arthur S. Hawes, John A. Zelano, O. Wayne Isom, Karl H. Krieger. Platelet Factor Activator Antagonism Attenuates Platelet and Neutrophil Activations and Reduces Myocardial Injury During Coronary Reperfusion. *J Surg Res* 1993; 55:504-515.
34. **Wilson Ko**, Karl H. Krieger, O. Wayne Isom. Myocardial Protection in Cardiac Surgery: A Historical Perspective to Current Review. *Surg Gynecol Obstet* 1993; 177:529-43.
35. **Wilson Ko**, Karl H. Krieger, O. Wayne Isom. Cardiopulmonary Bypass Procedures in Dialysis Patients. *Ann Thorac Surg* 1993; 55:677-84.
36. Steven McClane, **Wilson Ko**, Thomas A. Godwin, Jerome J. DeCosse. Distribution of Capillary Blood Flow in the Bowel Wall in Response to Local Mesenteric Hypoperfusion. *Surg Forum* 1992; XLIII:165-168.
37. **Wilson Ko**, John A. Zelano, Richard Lazzaro, W. Douglas Lazenby, Thomas Hamilton, O. Wayne Isom, Karl H. Krieger. Superiority of the University of Wisconsin Solution Over a Simple Extracellular Crystalloid For Extended Heart Preservation: A Study of the Left Ventricular Pressure-Volume Relationship. *J Thorac Cardiovasc Surg* 1992; 103:980-92.
38. **Wilson Ko**, John A. Zelano, Richard Lazzaro, W. Douglas Lazenby, Thomas Hamilton, O. Wayne Isom, Karl H. Krieger. Optimal Storage Period for Extended Heart Preservation With The University of Wisconsin Solution. *J Cardiovasc Surg* 1992; 33(no. 2):204-210.
39. **Wilson Ko**, John A. Zelano, W. Douglas Lazenby, O. Wayne Isom, Karl H. Krieger. Compositional Analysis of a Modified University of Wisconsin Solution For Extended Myocardial Preservation. *Circulation* 1992; 86[suppl II]:II-326 - II-332.
40. **Wilson Ko**, Jeffrey P. Gold, Richard Lazzaro, John A. Zelano, O. Wayne Isom, Karl H. Krieger. Survival Analysis of Octogenarian Patients with Coronary Artery Disease Managed by Elective Coronary Artery Bypass Surgery Versus Conventional Medical Treatment. *Circulation* 1992; 86:[suppl II]:II-191 - II-197.
41. **Wilson Ko**, W. Douglas Lazenby, John A. Zelano, O. Wayne Isom, Karl H. Krieger. The Effects of Shaving Methods and Intraoperative Irrigation in

Suppurative Mediastinitis After Cardiopulmonary Bypass Surgery. *Ann Thorac Surg* 1992; 53:301-305.

42. John A. Zelano, **Wilson Ko**, Richard Lazzaro, W. Douglas Lazenby, Stephen Topaz, Willem J. Kolff, O. Wayne Isom, Karl H. Krieger. Evaluation of An Extra-aortic Counterpulsation Device in Severe Cardiac Failure. *Ann Thorac Surg* 1992; 53:30-37.
43. Douglas Lazenby, **Wilson Ko**, John A. Zelano, Nathan Lebowitz, Yong T. Shin, O. Wayne Isom, Karl H. Krieger. The Effects of Flow Rate and Temperature on Regional Blood Flow and Oxygen Consumption During Cardiopulmonary Bypass in a Canine Model. *Ann Thorac Surg* 1992; 53:957-64.
44. John A. Zelano, **Wilson Ko**, Richard Lazzaro, W. Douglas Lazenby, Stephen Topaz, Willem J. Kolff, O. Wayne Isom, Karl H. Krieger. Comparison of An Extra-aortic Counterpulsation Device(EACD) Versus Intra-aortic Balloon Pumping (IABP) in Severe Cardiac Failure. *Transactions of Am Soc Int Art Organ* 1991; 37(no. 3):M342-344.
45. **Wilson Ko**, Arthur S. Hawes, W. Douglas Lazenby, Steven E. Calvano, Yong T. Shin, John A. Zelano, Anthony Antonacci, O. Wayne Isom, Karl H. Krieger. Myocardial Reperfusion Injury: Platelet Activating Factor Stimulates Polymorphonuclear Leukocyte Hydrogen Peroxide Production during Myocardial Reperfusion. *J Thorac Cardiovasc Surg* 1991; 102:297-308.
46. **Wilson Ko**, Karl H. Krieger, W. Douglas Lazenby, Yong T. Shin, Richard Lazzaro, Marjorie Goldstein, John A. Zelano, O. Wayne Isom. Isolated Coronary Artery Bypass Grafting in One Hundred Consecutive Octogenarian Patients: A Multivariate Analysis. *J Thorac Cardiovasc Surg* 1991; 102(no. 4):532-538.
47. Douglas Lazenby, **Wilson Ko**, Barbetta Weksler, Mark Weiner, John A. Zelano, Cathy Lynch, O. Wayne Isom, Karl H. Krieger. Platelet Function and Hemostasis after Cardiopulmonary Bypass: A Comparison of Hypothermic and Normothermic Cardiopulmonary Bypass. *Surg Forum* 1990; XLI:307-309.
48. W. Douglas Lazenby, Iolanda Russo, Barie Zadeh, John A. Zelano, **Wilson Ko**, Cathy Lynch, O. Wayne Isom, Karl H. Krieger. Treatment with Desmopressin Acetate in Routine Coronary Artery Bypass Surgery to Improve Post-Operative Hemostasis. *Circulation* 1990; 82(supp IV):IV-413 - IV-419.
49. Leilani A. Fahey, **Wilson Ko**, John Brown, O. Wayne Isom, Karl H. Krieger. A Six Year Experience of Thirty-three Consecutive Cardiac Tumors. *J Thorac Cardiovasc Surg*.
50. **Burack JH**, Mandel MS, Bizer LS: Emergency Abdominal Operation in the Patient with Acquired Immunodeficiency Syndrome. *Archives of Surgery* 124:285-286, 1989.

51. **Burack JH**, Lamelas J, Sabado MF, Tranbaugh, RF, Cunningham JN: Mycotic Aneurysm of the Aortic Arch with Aorto-esophageal Fistula. *J of Cardiac Surgery* 6:334-337, 1991.
52. Roslin MS, Zisbrod Z, **Burack JH**, Strashun A, Jacobowitz IJ, Brewer RJ, Kim Y, Norin AJ, Tranbaugh RF, Cunningham JN, Norin AS: 15 Day Survival in Pig to Baboon Heterotopic Cardiac Xenotransplantation. *Transplant Proc.* 24:572-573, 1992.
53. Brewer RJ, Del Rio MJ, Sadeghain M, Zisbrod Z, **Burack JH**, Cunningham JN, Norin AJ: Depletion of Preformed Antibody in Primates for Discordant Xenotransplantation by Continuous Donor Organ Plasma Perfusion. *Transplant Proc.* 25:385-386, 1993.
54. Altura BT, **Burack JH**, Cracco RQ, Galland L, Handwerker SM, Markell MS, Mauskop A, Memon ZS, Resnick LM, Zisbrod Z, Altura BM: Clinical Studies with the Nova ISE for Img2+. *Scan J Clin Lab Invest* 54:Suppl 217:53-67, 1994.
55. Brewer RJ, Roslin MS, Del Rio MJ, Alexandropoulos I, Sadeghian M, Zisbrod Z., **Burack JH**, Cunningham JN, Norin AJ: Prevention of Induced Antibody Response in Discordant Cardiac Xenotransplantation: Role of the Graft in TLI Treated Recipients. *Transplant Proc.* 26:1351-1352, 1994.
56. Brewer RJ, Del Rio MJ, Vaynblat M, Brown T, Alexandropoulos I, Zisbrod Z, **Burack JH**, Cunningham JN, Norin AJ: Absorption of Xenoantibodies for Cardiac Xenotransplantation in TLI Treated Baboons. *Transplant Proc.* 26:1355, 1994.
57. Kwan T, Saliccioli L, Elsakar A, Huber MS, **Burack JH**, Feit A: Communicating Coronary Artery Fistula into a Ventricular Septal Defect Due to a Penetrating Gunshot Wound. *Catheterization and Cardiovascular Diagnosis* 34:235-239, 1995.
58. Abramson DL, **Burack JH**: Small Cell Carcinoma of the Esophagus: Surgery and Neoadjuvant Chemotherapy. *Surgical Rounds* 18:257-261, 1995.
59. **Burack JH**, Uceda P, Cunningham JN: The Transthoracic Intraaortic Balloon Pump: A Simplified Technique of Insertion. *Annals of Thoracic Surgery* 62:299-301, 1996.
60. Rodino W, Panetta TF, **Burack JH**, Bryan DH, Williams RW: Combined Carotid Endarterectomy, Innominate Artery Reconstruction and Coronary Artery Bypass Grafting: Case Report. *Journal of Vascular Surgery* 24:1017-1021, 1996.
61. Kamholz SL, Brewer RJ, Grijalva G, **Burack JH**, Del Rio MJ, Vaynblat M, Lawson N, Squinto S, Fodor WI, Norin AJ: Laboratory Studies in Cross-Species Lung Transplantation. *World Journal of Surgery* 21:951-955, 1997.
62. Kamholz SL, Brewer RJ, Vaynblatt M, **Burack JH**, Grijalva G, Lawson N, Fodor W, Squinto S, Norin A: Amelioration of Hyperacute Rejection of

Xenotransplanted Porcine Lung Grafts by Transgenic Pig Lungs Expressing Human CD59. *J Investigative Medicine* 45:203, 1997.

63. Norin AJ, Brewer RJ, Lui Q, DelRio MJ, **Burack JH**, Kamholz SL: Donor Antigen-Independent Effector Mechanisms of Graft Rejection: A Novel Cell Surface Target of IL-2-Activated Natural Killer Cells. *Transplant Proc* 31:787-788, 1999.
64. **Burack JH**, Rowe NM, Serebransky L, Shah H, Homel PJ, Acinapura AJ, Cunningham JN: Socioeconomic and Cultural Risk Factors for Coronary Artery Bypass Surgery. *Surgical Forum* 50:687-690, 1999.
65. Ibabao J, Kassapidis S, Demetis S, **Burack JH**, Gordon D, Choi K, Braverman AS: Bilateral Pleural Effusions in a Beta Thalassemia Intermedia Patient with Posterior Mediastinal Extramedullary Hematopoietic masses. *Hemoglobin* 23:249-253, 1999.
66. **Burack JH**, Impellizzeri P, Homel PJ, Cunningham JN: Public Reporting of Surgical Mortality: A Survey of New York State Cardiothoracic Surgeons. *Annals of Thoracic Surgery*, 68:1195-1202, 1999.
67. Rowe NM, Impellizzeri P, Vaynblat M, Lawson NM, Kim YD, Sierra M, Homel PJ, Acinapura AJ, Cunningham JN, **Burack JH**: Studies in Thoracic Aortic Infections: The Development of a Porcine Model and a Comparison of Collagen-Impregnated Dacron Grafts and Cryopreserved Allografts. *Journal of Thoracic and Cardiovascular Surgery*, 118:857-865, 1999.
68. Blokh I, Sobtil P, Zinn H, **Burack JH**, Ajiboye P, Solomon W, Gillettel P, Braverman AS. A Rare Case of Osteomyelitis of the Sternum in an Adult with Sickle Cell Disease. *Hemoglobin*, 25:111-113, 2001.
69. Blattman SB, Landis SL, Knight M, Panetta TF, Scalfani SJA, **Burack JH**. Combined Endovascular And Open Repair of a Penetrating Innominate Artery Injury. *Annals of Thoracic Surgery*, 74:237-9, 2002.
70. Saborio D, Sadeghi A, **Burack JH**, Lowery RC, Brevetti G. Management of Intramural Hematoma of the Ascending Aorta and Aortic Arch: The Risks of Limited Surgery. *Texas Heart Institute Journal, Texas Heart Institute Journal*, 30:325-7, 2003.
71. Kandil E, **Burack JH**, Babwy H, Schwartzman A, Zenilman M. Myocardial Stress During Septic Shock Produces Elevated Levels of Brain Naturetic Peptide. *Circulation*, 108:supp IV-397, 2003.
72. Sadeghi A, Brevetti GR, Kim S, **Burack JH**, Genovesi MH, Distant DA, Kodavatiganti R, Lowery RC: Acute Massive Pulmonary Embolism: Role of the Cardiac Surgeon. *Texas Heart J* 32(3) 430-433, 2005.
73. Hardin RE, Brevetti GR, Sanusi M, Bhaskaran D, **Burack JH**, Genovesi MH, Lowery RC, Rafii S, Bondi E. Treatment of Symptomatic Vascular Rings in the Elderly. *Texas Heart J* 32:411-5, 2005

74. Dhadwal AK, Vaynblat M, Balasubramanya S, Pagala M, Schuloff N, **Burack JH**, Cunningham JN. Circadian Rhythm Has No Effect on Mortality in Coronary Artery Bypass Surgery. *Chest* 128:274S, 2005.
75. **Burack JH**, Amulraj E, Brevetti GR, Lowery R, O'Neill P. Thoracoscopic Removal of a Knife Impaled in the Chest. *Journal of Thoracic and Cardiovascular Surgery* 130:1213-4, 2005.
76. Mousa A, Sanusi M, Lowery RC, Genovesi MH, **Burack JH**. Hand-assisted Thoracoscopic Repair of a Bochdalek Hernia in an Adult. *J Laparoendosc Adv Surg Techn.* 16:54-58, 2006.
77. Dhadwal AK, Vaynblat M, Balasubramanya S, Pagala M, Schuloff N, **Burack JH**, Cunningham JN. Circadian Rhythm Has No Effect on Mortality in Coronary Artery Bypass Surgery. *Journal of Cardiac Surgery* 22:26-31, 2007.
78. **Burack JH**, Kandil E, Sawas A, O'Neill P, Sclafani S, Lowery RC, Zenilman M. Triage and Outcome of Patients with Mediastinal Trauma. *Annals of Thoracic Surgery* 83:377-82, 2007.
79. Kandil E, **Burack JH**, Sawas A, Bibawy H, Schwartzman A, Zenilman ME, Bluth MH . B-type Natriuretic Peptide: a biomarker for the diagnosis and risk stratification of septic shock patients. *Archives of Surgery* (in press)
80. Ghosh D. **Tak V**. Guha Roy B.N. Ghosh D.C. Total Anomalous Pulmonary Venous Connection. *Indian Heart Journal*, 1990 Jan Feb; 42 (1): 77-9
81. Bose D. **Tak V**. Dey A.K. Chandra A.K. Carotid Body Tumor. *Journal of The Indian Medical Association*, 1987 Sep; 85 (9): 269-71
82. **Vinay Tak, M.D.**, and Keith S. Naunheim, M.D. Current Status of Multimodality Therapy for Esophageal Carcinoma. *Journal of Surgical Research* 117, 22-29, 2004
83. **Vinay Tak, M.D.**, Andrew C. Fiore, M.D. et al. An Alternative Method to Fenestrate the Extracardiac Fontan Conduit in a patient with Atrial Situs Inversus and Levocardia. *Annals of Thoracic Surgery*, 2006; 81:746-8
84. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S., "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." *Surgical Forum* 46, 1995.
85. **Lee, D.C.**, Ting, W. "Tissue versus Metal Valves: Weighing the Factors." *Healthology.com Cardio Health* 234, 2000.
86. **Lee, D.C.**, Oz, M.C., Lin, S.X., Weinberg, A.D., Ting, W. "Quality of Care and Outcome in Coronary Revascularization: Are There any Differences between Mandatory and Voluntary Reporting?" *Surgical Forum* 51, 523-524, 2000.
87. Taguchi, A., Blood, D.C., Del Toro, G., Canet, A., **Lee, D.C.**, Qu, W., Tanji, N.,

Lu, Y., Lalla, E., Fu, C., Hofmann, M.A., Kislinger, T., Ingram, M., Lu, A., Tanaka, K., Hori, O., Ogawa, S., Stern, D.M., Schmidt, A.M. "Blockade of RAGE – amphotericin signalling suppresses tumour growth and metastases." *Nature* 405:354-360, 2000.

1. Comment in: *Nature* 405:287-288, 2000.

88. **Lee, D.C.**, Oz, M.C., Weinberg, A.D., Lin, S.X., Ting, W. "Optimal Timing of Revascularization: Transmural Versus Nontransmural Acute Myocardial Infarction." *Annals of Thoracic Surgery* 71:1198-204, 2001.
89. **Lee, D.C.**, Qu, W, Lu, Y., Stern, D.M., Schmidt, A.M. "Blockade of RAGE Suppresses Growth, Metastases, and Progression of Mammary Tumors in a Murine Model of Breast Cancer." *Surgical Forum* 52, 274-276, 2001.
90. Grimblatov, V., **Lee, D.C.**, Oz, M., Leonard, E.F. "Spectral Analysis of Optical Imaging Through Blood." *Lasers in Surgery: Advanced Characterization, Therapeutics, and Systems XII*, Bass, L.S., Kollias, N., Malek, R.S., Katzir, A., Bartels, K.E. Tate, L.P., Peavy, G.M., Lucroy, M.D., Shaw, U.K., Wong, B.J., Trowers, E.A., Woodward, T.A., de Riese, W.T., Gregory, K.W., Editors, *Proceedings of the International Society for Photo-optical Engineering* 4609:438-48. 2002.
91. Bucciarelli, L.G., Wendt, T., Qu, W., Lu, Y., Lalla, E., Rong, L.L., Goova, M.T., Moser, B., Kislinger, T., **Lee, D.C.**, Kashyap, Y., Stern, D.M., Schmidt, A.M. "RAGE Blockade Stabilizes Established Atherosclerosis in Diabetic Apolipoprotein E-null Mice." *Circulation* 106:2827-35, 2002.
1. Comment in: *Circulation* 106:2760-2763.

92. Bassouny, H.S., Zarins, C.K., **Lee, D.C.**, Skelly, C.L., Fortunato, J.E., Glagov, S. "Diurnal Heart Rate Reactivity: a Predictor of Severity of Experimental Coronary and Carotid atherosclerosis." *Journal of Cardiovascular Risk* 9:331-8, 2002.
93. **Lee, D.C.**, Oz, M.C., Weinberg, A.D., Ting, W. "Appropriate Timing of Surgical Intervention after Transmural Acute Myocardial Infarction." *Journal of Thoracic and Cardiovascular Surgery* 125:115-20, 2003.
94. Xu, Z., Qu, W., **Lee, D.C.**, Schmidt, A.M. "Homo Sapiens Diaphanous mRNA" GenBank AY360322, 2003.
95. Kavarana, M.N., Frumento, R.J., Hirsh, A.L., Oz, M.C., **Lee, D.C.**, Bennett-Guerrero, E. "Gastric Hypercarbia and Adverse Outcome after Cardiac Surgery" *Intensive Care Medicine* 29:742-8, 2003.
96. **Lee, D.C.**, Wang, P., Hudson, B., Qu, W., Lu, Y., Schimdt, A.M., Joseph, K.A. "RAGE Antagonism Enhances the Effect of Cytotoxic Chemotherapy in Suppression of Tumor Growth and Metastases in Mice." Submitted to *Cancer Research*.
97. Grimblatov, V., Bekshaev, A.Y., **Lee, D.C.**, Leonard, E.F. "Contrast Degradation and Vision Depth Limits in Reflectance Optical Imaging Through Turbid Media." Submitted to *Applied Optics*.
98. Lai, L.T., **Lee, D.C.**, **Ko, W.**, Shevde, K., Zhang, M. "Deficiency of Complement factor MBL in a patient required cardiac surgery after an acute myocardial infarction with underlying chronic lymphocytic leukemia." Submitted to *International Journal of Cardiology*.
99. **Lee, D.C.**, Chiu, A.K., **Burack, J.**, **Tak, V.**, **Ko, W.** "Systemic Absorption of Topical Vancomycin Paste in Sternal Wound Infection Prophylaxis." Submitted to *Journal of Thoracic and Cardiovascular Surgery*.

ABSTRACTS:

1. Frderico Milla, Matthew D. Bacchetta, Mun K. Hong, Ying Zhou Rong Chen, Fangmin Yu, Edward Southard, Leonard Y. Lee, **Wilson Ko**, Charles A. Mack, Karl H. Krieger, O. Wayne Isom, Daniel Catanzaro. Low-Dose Spironolactone Promotes Adaptive Arterialization of Vein Grafts But Does Not Prevent Restenosis of Angioplastied Coronary Arteries. Submitted to *Atherosclerosis, Thrombosis and Vascular Biology* meeting 2005.
2. Charlie Mack, , **Wilson Ko**, Fred Milla, Leonard Girardi, Lenoard Lee, Anthony Tortolani, Karl Krieger, O. Wayne Isom. Initial results of concomitant MAZE procedure for atrial fibrillation with cryoablation. Presented in American Heart Association. November 2004.

3. **Wilson Ko**, Mathew Bacchetta, Amanda Leung. Off-Pump Coronary Bypass versus Conventional Bypass surgery in Octogenarian patients. Presented in International Congress of Cardiac Surgery. San Diego October, 2003.
4. M Bacchetta, Y Zhou, R Chen, S Samy, A Salemi, A Hamawy, L Hu, K Krieger, OW Isom, **Wilson Ko**, DF Catanzaro. DNA Microarray Analysis of the Progressive Arterialization and Intimal Hyperplasia of Venous Grafts in a Canine Model. Presented American College of Cardiology. Atlanta, Georgia. March 2002. Printed Journal American College of Cardiology. Volume 39, No. 5 Supplement A. #1105-73.
5. M Bacchetta, MR Moore, DM Levine, TS Parker, BR Gordon, **Wilson Ko**, OW Isom, K Krieger, L Girardi, SD Saal. Elevated Serum Interleukin-6 has Prognostic Significance for Post-Operative Outcome in Patients Undergoing Cardiothoracic Surgery. Presented American College of Cardiology. Atlanta, Georgia. March 2002. Printed Journal American College of Cardiology. Volume 39, No. 5 Supplement A. #1060-135.
6. **Wilson Ko**. Off-Pump Innominate Coronary Artery Bypass in Patients with Atherosclerotic Ascending Aorta. Presented Cardiothoracic Techniques & Technologies. New Orleans, Louisiana. January, 2001.
7. Adam Hamawy, Jay Raman, Antonio Lauto, **Wilson Ko**, Dix Poppas. Minimizing Thermal Injury to Vessels During Laser Welding Of Vascular Anastomosis: A Comparison of Wavelengths and the Use of Albumin Solder. Presented, American Society for Laser Medicine and Surgery, Inc.; Lake Buena Vista, Florida. April 1999.
8. Adam Hamawy, AB Phillips, A Lauto, B Ginsberg, SJ Shin, DP Poppas, **Wilson Ko**. Laser Welding With Albumin Solder For Vascular Anastomosis: Ideal Conditions for Minimally Invasive Coronary Bypass. Accepted, International Society for Minimally Invasive Cardiac Surgery; Paris, France. May, 1999.
9. Alistair Phillips, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Adenosine Preconditioning Improves Myocardial Function. Presented, International Society of Heart Research, XVI World Congress; Rhodes, Greece. May 1998.
10. Alistair Phillips, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Ischemic Preconditioning is not Clinically Applicable. Presented, International Society of Heart Research, XVI World Congress; Rhodes, Greece. May 1998.
11. Alistair Phillips, Rebecca Bloch, Stuart Saal, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Coronary Artery Bypass Grafting Improves Longevity in Dialysis Patients. Presented, International Society of Heart Research, XVI World Congress; Rhodes, Greece. May 1998.
12. Alistair Phillips, Beth Ginsberg, **Wilson Ko**, Dix Poppas. Vascular Anastomosis by Laser Welding Using Human Albumin Solder. American Society of Laser Medicine and Surgery. Presented, San Diego, CA. April 1998.

13. Alistair Phillips, Kaity Lin, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Novel Approach to Left Anterior Descending Artery Occlusion During Minimally Invasive Coronary Artery Bypass. Facts and Myths of Minimally Invasive Cardiac Surgery, Current Trends in Thoracic Surgery IV. Presented, New Orleans, LA. January 1998.
14. Alistair Phillips, Todd K. Rosengart, Karl H. Krieger, O. Wayne Isom, **Wilson Ko**. Is Ischemic or Adenosine Preconditioning Beneficial for Minimally Invasive Coronary Artery Bypass? American Heart Association, 70th Scientific Session. Orlando, FLA. Presented, November 1997.
15. Alistair Phillips, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Ischemic Preconditioning Improves Longevity But Not Functionality. American College of Chest Physicians. New Orleans, LA. Presented, October 1997.

16. Todd Rosengart, Charles A. Mack, Maureen O'Hara, Christopher J. Magover, Robert Campagna, Samuel J. Lang, Nasser K. Altorki, **Wilson Ko**, Karl H. Krieger, O. Wayne Isom. "First Clinical Experience Performing Excimer Transmyocardial Revascularization (TMR): Safety and Initial Results with a Non-Synchronized, Low Energy Device". Society of Thoracic Surgeons. Submitted, August 1997.
17. Alistair Phillips, Rebecca Bloch, Stuart Saal, Karl Krieger, O. Wayne Isom, **Wilson Ko**. Coronary Artery Bypass Grafting Improves Longevity in Dialysis Patients. 2nd Annual Research Symposium, New York Hospital Queens; Queens, NY. Presented, May 1997.
18. Dominick Gadeleta, Leilani Fahey, **Wilson Ko**, Madhu V. Kumar, Karl H. Krieger, O. Wayne Isom, John Mihran Davis. Leukotriene Generation During Cardiopulmonary Bypass. Presented in The New York Society for Thoracic Surgeons, May 20, 1993.
19. **Wilson Ko**, John Zelano, Leilani Fahey, O. Wayne Isom, Karl H. Krieger. The Effects of Warm Vs. Cold Blood Cardioplegia on Endothelial Function, Myocardial Function and Energetics. Presented in the annual meeting of the American Heart Association in Anaheim, California on November 15, 1992.
20. **Wilson Ko**, Daniel Lang, Arthur S. Hawes, John A. Zelano, O. Wayne Isom, Karl H. Krieger. Platelet Factor Activator Antagonism Attenuates Platelet and Neutrophil Activations and Reduces Myocardial Injury During Coronary Reperfusion. Presented at the XIV InterAmerican Congress of Cardiology, Orlando, Florida, May 23-27, 1992.
21. **Wilson Ko**, John A. Zelano, O. Wayne Isom, Karl H. Krieger. The Effects of Prolonged Hypothermic Global Ischemia on The Left Ventricular Pressure-Volume Relationship. Presented at the XIV InterAmerican Congress of Cardiology, Orlando, Florida, May 23-27, 1992.
22. **Wilson Ko**, John Zelano, Leilani Fahey, O. Wayne Isom, Karl H. Krieger. Warm Ischemic Tolerance of The Arrested and Decompressed Heart. Presented in the European Association of Cardiothoracic Surgery in Geneva, Switzerland in September, 1992.
23. **Wilson Ko**, John A. Zelano, Leilani A. Fahey, Karen Berman, Daniel Lang, O. Wayne Isom, Karl H. Krieger. The Effects of Amrinone Versus Dobutamine on Myocardial Mechanics and Energetics After Hypothermic Ischemia. Presented at the XIV InterAmerican Congress of Cardiology, Orlando, Florida, May 23-27, 1992.
24. **Wilson Ko**, John A. Zelano, Leilani A. Fahey, Karen Berman, Daniel Lang, O. Wayne Isom, Karl H. Krieger. The Effects of Amrinone Versus Dobutamine on Myocardial Mechanics and Energetics After Hypothermic Ischemia. Presented at the New York Society for Thoracic Surgeons in New York, January 1992.

25. Steven J. McClane, **Wilson Ko**, Thomas A. Godwin, Jerome J. DeCosse.
Distribution of Capillary Blood Flow in the Bowel Wall in Response to Local Mesenteric Hypoperfusion. Presented at the American College of Surgeons Meeting in New Orleans, October 11-16, 1992. Surg Forum 1992;XLIII:165-168.
26. John A. Zelano, **Wilson Ko**, Douglas Lazenby, O. Wayne Isom, Karl H. Krieger.
Intra-aortic Balloon Versus Extra-aortic Counterpulsation in Severe Cardiac Failure: Differences in Aortic Input Impedance and Left Ventricular Power Generation. Proceedings of IEEE, 1992.

27. **Wilson Ko**, John A. Zelano, Richard Lazzaro, W. Douglas Lazenby, O. Wayne Isom, Karl H. Krieger. Compositional Analysis of the University of Wisconsin Solution (UW) for Heart Preservation. Presented at the meeting of the American Heart Association, November 11-14, 1991. Anaheim California. *Circulation* 1991;84:(no. 4):II-491.
28. **Wilson Ko**, John A. Zelano, W. Douglas Lazenby, O. Wayme Isom, Karl H. Krieger. The Relative Importance of the Different Components in the University of Wisconsin Solution (UW) for Heart Preservation: A Study of Left Ventricular Pressure-Volume Relationship. Presented at the Meeting of Current Issues in Thoracic Organ Transplantation. September 19-21, 1991. Essen, Germany.
29. **Wilson Ko**, John A. Zelano, Richard Lazzaro, W. Douglas Lazenby, Thomas Hamilton, O. Wayne Isom, Karl H. Krieger. Superiority of The University of Wisconsin Solution Over a Simple Extracellular Crystalloid For Extended Heart Preservation: A Study of the Left Ventricular Pressure-Volume Relationship. Presented at the meeting of The Western Thoracic Surgical Association in Seattle, Washington-June 27-29, 1991.
30. **Wilson Ko**, Jeffrey P. Gold, Marjorie Goldstein, John A. Zelano, O. Wayne Isom, Karl H. Krieger. A Comparative Analysis of Medical and Surgical Therapy in Octogenarians with Isolated Coronary Artery Disease. Presented at the meeting of the American Heart Association, November 11-14, 1991. Anaheim, California. *Circulation* 1991;84(no. 4):II-465.
31. Douglas Lazenby, **Wilson Ko**, John A. Zelano, Nathan Lebowitz, Yong T. Shin, O. Wayne Isom, Karl H. Krieger. The Effects of Flow Rate and Temperature on Regional Blood Flow and Oxygen Consumption During Cardiopulmonary Bypass in Canine Model. Presented at the 27th Annual Meeting of The Society of Thoracic Surgeons. February 18-20, 1991. San Francisco, California.
32. John A. Zelano, **Wilson Ko**, Richard Lazzaro, W. Douglas Lazenby, Stephen Topaz, Willem J. Kolff, O. Wayne Isom, Karl H. Krieger. A New Extraortic Counterpulsation Device. Presented at the 27th Meeting of The Society of Thoracic Surgeons. February 18-20, 1991. San Francisco, California.
33. **Wilson Ko**, Karl H. Krieger, W. Douglas Lazenby, Yong T. Shin, O. Wayme Isom. Coronary Artery Bypass Grafting in One Hundred Octogenarian Patients: A plea for elective surgery. Presented at The New York Society for Thoracic Surgeons in New York, May 24, 1990.
34. **Wilson Ko**, Arthur S. Hawes, W. Douglas Lazenby, Steve E. Calvano, Yong T. Shin, Anthony C. Antonacci, O. Wayne Isom, Karl H. Krieger. Platelet Activating Factor Stimulates Neutrophil Hydrogen Peroxide Production during Myocardial Reperfusion. Presented at the Meeting of the Western Thoracic Surgical Association, San Diego, June 20-23, 1990.
35. **Wilson Ko**, Arthur S. Hawes, W. Douglas Lazenby, Steve E. Calvano, Yong T. Shin, Anthony C. Antonacci, O. Wayne Isom, Karl H. Krieger. The Role of

Platelet Activating Factor in Mediation Neutrophil Oxygen Free Radical Production in Myocardial Reperfusion Injury. *Journal of Lipid Mediators* 1990;2(Nos. 3 & 4): 187. Presented at the Meeting of Advances in Platelet Activating Factor Research in Paris, France, June 28-29, 1990.

36. Douglas Lazenby, **Wilson Ko**, Barbette Weksler, Mark Weiner, John A. Zelano, Cathy Lynch, O. Wayne Isom, Karl H. Krieger. Platelet Function and Hemostasis after Cardiopulmonary Bypass: A Comparison of Hypothermic and Normothermic Cardiopulmonary Bypass. *Surgical Forum* 1990;XLI:307-309. Presented in The American College of Surgeons meeting, San Francisco, October 7-12, 1990. Also in the resident's forum of the Society of University Surgeons Meeting, Los Angeles, 1990.
37. Douglas Lazenby, Iolanda Russo, **Wilson Ko**, John A. Zelano, Cathy Lynch, Barie J. Zadeh, O. Wayne Isom, Karl H. Krieger. The Effects of Desmopressin Acetate (DDAVP) in Cardiopulmonary Patients on Pre-operative anti-coagulation. *Clinical Research* 1989;37(no. 3):841A. Presented at the American Federation for Clinical Research in New York, October, 1989.
38. Douglas Lazenby, Iolanda Russo, **Wilson Ko**, John A. Zelano, Cathy Lynch, Barie J. Zadeh, O. Wayne Isom, Karl H. Krieger. The Effect of Desmopressin Acetate (DDAVP) in Ristocetin-induced Platelet Aggregometry. *Clinical Research* 1989;37(no. 3):842A. Presented at the American Federation for Clinical Research, New York, October 1989.
39. Douglas Lazenby, Iolanda Russo, Barie J. Zadeh, John A. Zelano, **Wilson Ko**, Cathy Lynch, O. Wayne Isom, Karl H. Krieger. Desmopressin Acetate (DDVP) in Routine Coronary Artery Bypass Operations. *Circulation* 1989;80(no. 4, supp):II-320. Presented at the American Heart Associations Meeting , New Orleans, November 11-14, 1989.
40. **Burack JH**, Lamelas J, Sabado MF, Cunningham JN: Mycotic Aneurysm of the Aortic Arch with Aorto-esophagotracheal Fistula. *Society of Thoracic Surgeons*, September, 1989.
41. Roslin MS, Zisbrod Z, Tranbaugh RF, **Burack JH**, Jacobowitz IJ, Brewer RJ, Cunningham JN, Norin AJ: 15 Day Survival in Pig to Baboon Heterotopic Cardiac Xenotransplantation. *International Congress on Xenotransplantation*, August 1991.
42. Brewer RJ, Del Rio MJ, Roslin MS, Zisbrod Z, **Burack JH**, Cunningham JN, Norin, AJ: An Animal Model for Selective Antibody Absorption in the Sensitized Patient. *American Society of Transplant Physicians*, May 1992.
43. **Burack JH**, Folliquet TA, Robertazzi RR, Feldman J, Acinapura AJ, Jacobowitz, IJ, Cunningham JN: Coronary Artery Bypass in Women Using the Internal Mammary Artery. *New York Society for Thoracic Surgery*, May 1993.
44. Efferen LS, Kaul P, Sternberg A, **Burack JH**: Pulmonary Function Testing for Cardiac Surgery Risk Assessment: Is There a Role? *American Lung Association*, May 1993.

45. Hong S, Efferen LS, Spielvogel D, **Burack JH**: Diagnostic Mediastinoscopy in HIV Positive Patients. American College of Chest Physicians, October 1994.
46. Sayed H, Efferen LS, Noori M, **Burack JH**, Chandra P: Primitive Neuroectodermal Tumor Presenting as a Pleural Effusion. American College of Chest Physicians, October 1994.
47. Spielvogel D, **Burack JH**, Faries PL, Hong S, Efferen LS, Santos GH: Mediastinal Lymph Node Biopsy in HIV Positive Patients. New York Society for Thoracic Surgery, November 1994.
48. **Burack JH**: Thoracic Trauma. New York Society for Thoracic Surgery, January 1995.
49. **Burack JH**, Uceda P, Sabado MF, Zisbrod Z, Jacobowitz IJ, Acinapura AJ, Cunningham JN: Atraumatic Insertion of the Transthoracic Intraaortic Balloon Pump in the Cardiac Surgical Patient. Society of Thoracic Surgeons, January 1995.
50. **Burack, JH**: Empyema. New York Society for Thoracic Surgery, January 1996.
51. **Burack JH**, Robertazzi MS, Cunningham JN: Intra-aortic Balloon Pump: Indications, Contraindications, and Technological Advances. New York Society for Thoracic Surgery, January 1998.
52. **Burack JH**, Uceda P, Cunningham JN: Transthoracic Intraaortic Balloon Pump Assistance: A New Atraumatic technique of Insertion that Allows Closed Chest Decannulation. 2nd International Congress on Coronary Artery Disease, October 1998.
53. **Burack JH**, Impellizzeri P, Homel P, Cunningham, JN: The Effect of Public Reporting of Surgical Mortality on the Practice of Cardiothoracic Surgery: A Survey of Surgeon's Attitudes in New York State. Society of Thoracic Surgery, January 1999.
54. **Burack JH**, Rowe NM, Shah H, Serebransky L, Homel P, Acinapura AJ, Cunningham JN: Socioeconomic and Cultural Risk Factors for Coronary Artery Bypass Surgery. Society of University Surgeons, February 1999.
55. Lawson NM, Rowe NM, **Burack JH**, Impellizzeri P, Kim YD, Homel P, Sierra M, Cunningham JN: Collagen Dacron Grafts Resist Infection as well as Cryopreserved Allografts in the Thoracic Aortic Position. Society of University Surgeons, February 1999.
56. Rowe NM, **Burack JH**, Lawson NM, Impellizzeri P, Kim YD, Sierra M, Homel P, Acinapura AJ, Cunningham JN: Collagen Impregnated Dacron Grafts Resist Infection as Well as Cryopreserved Allografts in the Thoracic Aortic Position. American Association of Thoracic Surgery, April, 1999.
57. Rowe NM, **Burack JH**, Serebransky L, Shah H, Homel PJ, Acinapura AJ, Cunningham JN: Socioeconomic and Cultural Risk Factors for Coronary Artery

Bypass Surgery. International College of Surgeons 36th North American Federation Congress, June 1999.

58. **Burack JH**, Rowe NM, Lawson NM, Impellizzeri P, Kim YD, Sierra M, Homel P, Acinapura AJ, Cunningham JN: Collagen Impregnated Dacron Grafts Resist Infection as Well as Cryopreserved Allografts in the Thoracic Aortic Position. International College of Surgeons 36th North American Federation Congress, June 1999.
59. **Burack JH**, Rowe NM, Serebransky L, Shah H, Homel PJ, Acinapura AJ, Cunningham JN: Socioeconomic and Cultural Risk Factors for Coronary Artery Bypass Surgery. American College of Surgeons, October 1999.
60. Saborio D, Robertazzi R, Shumeyko A, **Burack JH**: Coronary Revascularization Combined with Mitral Valve Surgery in Patients with Pulmonary Hypertension. New York Society for Thoracic Surgery, November 2002.
61. Davis WJ, Shah PC, Vaynblat M, Chaviarelli M, **Burack JH**, Fazylov RF, Cunningham JN: Secondary Risk Factors in Cardiac Surgery. World Congress on Heart Disease, July 2003.
62. Kandil E, **Burack JH**, Babwy H, Schwartzman A, Zenilman M. Myocardial Stress During Septic Shock Produces Elevated Levels of Brain Natriuretic Peptide. American Heart Association, November 2003.
63. Dhadwal AK, Vaynblat M, Balasubramanya S, Pagala M, Schuloff N, **Burack JH**, Cunningham JN. Circadian Rhythm Has No Effect on Mortality in Coronary Artery Bypass Surgery. American College of Chest Physicians, November 2005.
64. Sawas A, **Burack JH**, Kandil E, O'Neill P, Sclafani S, Brevetti G, Lowery RC. Triage and Outcome of Patients with Transmediastinal Trauma. New York Society for Thoracic Surgery, November 2005.
65. **Burack JH**, Sawas A, Kandil E, O'Neill P, Sclafani S, Brevetti G, Zenilman M. Triage and Outcome of Patients with Transmediastinal Trauma. The Society of Thoracic Surgeons, January 2006.
66. Dhadwal AK, Vaynblat M, Balasubramanya S, Pagala M, Schuloff N, **Burack JH**, Cunningham JN. Circadian Rhythm Has No Effect on Mortality in Coronary Artery Bypass Surgery. New York Society for Thoracic Surgery, November 2006.
67. Hardin RE, Cires G, Lowery RC, Zenilman ME, Reilly JJ, Weedon J, **Burack JH**. The Volume Outcome-Relationship Affirmed: Hospital Volumes, CABG Risk and Outcomes over 10 years in New York State. Association of Academic Surgery, February 2008.
68. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S., "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." The American Society for Artificial Internal Organs, May, 1995.

69. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S., "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." International Conference of Cardiovascular Surgery, June, 1995.
70. **Lee, D.C.**, Bassiouny, H.S., Zarins, C.K., Glagov, S., "Low Diurnal Heart Rate Variability Inhibits Experimental Coronary Stenosis." The American Heart Association, November, 1995.
71. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S., "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." American College of Surgeons, 1995.
72. Bassiouny, H.S., **Lee, D.C.**, Glagov, S., Zarins, C.K. "Heart Rate Reactivity as a Predictor of the Severity of Experimental Carotid Stenosis." Society of Vascular Surgery, 2000.
73. **Lee, D.C.**, Oz, M.C., Lin, S.X., Ting, W. "Optimal Timing of Coronary Revascularization – Transmural Versus Nontransmural Acute Myocardial Infarction." Society of Thoracic Surgery, 2000.
74. **Lee, D.C.**, Oz, M.C., Lin, S.X., Weinberg, A.D., Ting, W. "Quality of Care and Outcome in Coronary Revascularization: Are There any Differences between Mandatory and Voluntary Reporting?" Journal of the American College of Surgeons 191:S85-86, 2000.
75. **Lee, D.C.**, Ting, W. "Optimal Timing of Coronary Revascularization – Transmural Versus Nontransmural Acute Myocardial Infarction." CAMS, 2000.
76. Kavarana, M.N., Frumento, R.J., Hirsh, A.L., Oz, M.C., Mets, B., **Lee, D.C.**, Bennett-Guerrero, E. "Association of Sublingual PCO₂, Gastric PCO₂, and Adverse Outcome Following Cardiac Surgery." American Society of Anesthesia, 2001.
77. **Lee, D.C.**, Oz, M.C., Weinberg, A.D., Ting, W. "Appropriate Timing of Surgical Intervention after Transmural Acute Myocardial Infarction." American Association for Thoracic Surgery, 2001.
78. **Lee, D.C.**, Grimblatov, V., Avila, L., Laine, A. Heinz, T.F., Oz, M.C., Leonard, E.F. "Endoscopic Visualization through Blood." American Society of Artificial Internal Organs, 2001.
79. **Lee, D.C.**, Qu, W, Lu, Y., Stern, D.M., Schmidt, A.M. "Blockade of RAGE Suppresses Growth, Metastases, and Progression of Mammary Tumors in a Murine Model of Breast Cancer." American College of Surgeons, 2001.
80. Bucciarelli, L.G., Wendt, T.M., Qu, W., Lu, Y., Lalla, E., Goova, M.T., Rong, L.L., Moser, B., **Lee, D.C.**, Kashyap Y., Stern, D.M., Schmidt, A.M. "RAGE Blockade Suppresses Migration and Activation of Mononuclear Phagocytes and Vascular Smooth Muscle Cells in Diabetic Vascular Lesions: Implications for

Atherosclerotic Lesion Stabilization." Keystone Symposia in Inflammatory Paradigms and the Vasculature II, 2002.

81. Grimblatov, V., **Lee, D.C.**, Oz, M.C., Leonard, E.F. "Spectral Analysis of Optical Imaging Through Blood." SPIE-The International Society for Optical Engineering, 2002.
82. **Lee, D.C.**, Frumento, R.J., Oz, M.C., Bennett-Guerrero, E. "N-Acetylcysteine and Total Plasma Antioxidant Status in High Risk Cardiac Surgical Patients." Society of Cardiovascular Anesthesia, 2002.
83. **Lee, D.C.**, Xu, Z., Qu, W., Lu, Y., Anderson, D., Stern, D.M., Schimdt, A.M. "Blockade of Receptor for AGE (RAGE) Suppresses Growth and Metastases of Mammary Tumors in a Murine Model of Breast Cancer." Proceedings of the American Association for Cancer Research 43:197, 2002.
84. Waterhouse, R.N., Fawwaz, R., Collier L., Dumont F., **Lee, D.C.**, Schmidt A.M., Van Heertum, R. "The Sigma-1 Receptor PET Radiotracer [¹⁸F]FPS1: Potential Advantages over [¹⁸F]FDG For Tumor Visualization Demonstrated in Pre-Clinical Models." Society of Nuclear Medicine, 2002.
85. **Lee, D.C.**, del Toro, G., Xu, Z., Kim, J., Qu, W., Lu, Y., Stern, D.M., Schmidt, A.M. "Blockade of RAGE and Cytotoxic Chemotherapy Enhances Suppression of Experimental Metastases." Journal of the American College of Surgeons 195:S67-68, 2002.
86. Chiu, A.K., **Ko, W.**, **Lee, D.C.** "Systemic Absorption of Topical Vancomycin Paste in Sternal Wound Infection Prophylaxis." In Press. American College of Surgeons. 2008

LETTERS TO THE EDITOR:

1. **Burack JH**, Rowe NM. Studies in Thoracic Aortic Infections: The Development of a Porcine Model and a Comparison of Collagen-Impregnated Dacron Grafts and Cryopreserved Allografts - Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 120:195, 2000.
2. **Burack JH**. Resident Training in Off-Pump CABG. Annals of Thoracic Surgery, 71:398, 2001.
3. **Burack JH**. Use of Statewide Administrative Database in Assessing a Regional Trauma System. Journal of the American College of Surgeons, 199:666, 2004.
4. **Burack JH**. Extending video-assisted Thoracoscopic surgery for trauma: The Uniportal approach. Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 131:1424-1425, 2006.

BOOK CHAPTERS:

1. Vetter HO, **Burack JH**, Factor SM, Frater RWM: Replacement of the Mitral Valve Chordae Using the New Expanded PTFE Suture in the Sheep in Bodnar E, Magdi YH, (eds.) Biological and Prosthetic Valves; Proceedings of the Third International Symposium on Cardiac Bioprosthesis. York Publishers, New York, 1985.
2. Heurich AE, Quale JM, **Burack JH**: Pericardial Tuberculosis. In Garay S, Rom WN, (Eds.) Tuberculosis. Boston: Little, Brown 531-540, 1996.
3. **Burack JH**, Dresner LS: Thoracic Trauma: Pathophysiology and Initial Management. In Pearson FG, Cooper JD, Deslauriers J, Ginsberg RJ, Hiebert CA, Patterson GA, Urshel HC. Thoracic Surgery 2 Ed, WB Saunders, Philadelphia, 2002.
4. **Burack JH**: Thoracic Trauma: Pathophysiology and Initial Management. In Pearson FG, Patterson GA, Cooper JD, Deslauriers J, Lerut T, Rice T. Thoracic Surgery 3 Ed, Elsevier, Philadelphia, 2005 (in-press).
5. **Lee, D.C.**, Ting, W., Oz, M.C. "Myocardial Revascularization after Acute Myocardial Infarction." in Cohn, L.H., Edmunds, L.H. Jr. (ed.): Cardiac Surgery in the Adult, Second Edition. New York, McGraw-Hill, 2003; p 639-58.

PRESENTATIONS:

1. Aortic Dissection. Triboro Grand Rounds, University Hospital, Brooklyn, NY, 2/20/88. **JH Burack**
2. Tuberculosis of the Pericardium. Triboro Grand Rounds, University Hospital Brooklyn, NY, 9/17/88. **JH Burack**
3. Mycotic Aneurysm of the Aortic Arch with Aortoesophagotracheal Fistula. Society of Thoracic Surgeons, Baltimore MD, 9/12/88. **JH Burack**
4. Anterior Mediastinal Mass. Clinical Pathologic Conference, Brooklyn Hospital, Brooklyn, NY, 11/13/90. **JH Burack**
5. Surgical Treatment of Lung Cancer. Triboro Grand Rounds, University Hospital, Brooklyn, NY, 2/15/92. **JH Burack**
6. Coronary Artery Bypass in Women Using the Internal Mammary Artery. New York Society for Thoracic Surgery, New York, NY, 5/20/93. **JH Burack**
7. Post-Operative Management of the Cardiac Surgical Patient. Critical Care Medicine Grand Rounds, University Hospital, Brooklyn, NY 1/5/94. **JH Burack**

8. Atraumatic Insertion of the Transthoracic Intra-aortic Balloon Pump in the Cardiac Surgical Patient (poster). Society of thoracic Surgeons, Palm Springs, CA, 1/9/95. **JH Burack**
9. Thoracic Trauma. New York Society for Thoracic Surgery – Post Graduate Review Course, New York, NY, 1/21/95. **JH Burack**
10. Empyema. New York Society for Thoracic Surgery - Post Graduate Review Course New York, NY, 1/21/96. **JH Burack**
11. Public Reporting of Cardiac Surgical Mortality in New York. Cardiology Grand Rounds, University Hospital, Brooklyn, NY, 12/5/96. **JH Burack**
12. Thoracic Trauma. Triboro Grand Rounds, University Hospital, Brooklyn, NY, 12/12/96. **JH Burack**
13. Recent Advances in Coronary Artery Surgery. Cardiology for the Primary Care Physician - Department of Family Practice. University Hospital, Brooklyn, NY, 1/22/97. **JH Burack**
14. Thoracic Trauma. New York Society for Thoracic Surgery - Post Graduate Review Course, New York, NY, 1/25/97. **JH Burack**
15. Recent Advances in Coronary Artery Surgery. Cardiology Grand Rounds, Brookdale Medical Center, Brooklyn, NY 2/13/97. **JH Burack**
16. Empyema. New York Society for Thoracic Surgery - Post Graduate Review Course, New York, NY, 1/16/98. **JH Burack**
17. Intra-Aortic Balloon Pump: Indications, Contraindications and Technological Advances. New York Society for Thoracic Surgery – Post Graduate Review Course, New York, NY, 1/17/98. **JH Burack**
18. Transthoracic Intra-Aortic Balloon Pump Assistance: A New Atraumatic technique of insertion that allows closed chest Decannulation. 2nd International Congress on Coronary Artery Disease. Florence, Italy, 11/21/98. **JH Burack**
19. The Effect of Public Reporting of Surgical Mortality on the Practice of Cardiothoracic Surgery: A Survey of Surgeon's Attitudes in New York State. The Society of Thoracic Surgeons. San Antonio, Texas, 1/26/99. **JH Burack**
20. Thoracic Trauma. New York Society for Thoracic Surgery - Post Graduate Review Course, New York, NY, 9/25/99. **JH Burack**
21. Socioeconomic and Cultural Risk Factors for Coronary Artery Bypass Surgery. American College of Surgeons- Surgical Forum, San Francisco, CA, 10/13/99. **JH Burack**
22. Socioeconomic and Cultural Risk Factors for Coronary Artery Bypass Surgery. New York Society for Thoracic Surgery, 11/18/99. **JH Burack**

23. Public Reporting of Cardiac Surgical Mortality in New York State. Healthcare Outcomes-The Phoenix Group, Scottsdale Arizona, 4/3/00. **JH Burack**
24. A Request for an Executive Session on a Universal Medical Information System. John F. Kennedy School of Government, Harvard University, Boston, MA 11/19/00. **JH Burack**
25. Public Reporting of Cardiac Surgical Mortality; What Europeans can expect. University of Siena, Siena, Italy 8/18/03. **JH Burack**
26. Triage and Outcome of Penetrating Transmediastinal Trauma. The Society of Thoracic Surgeons, Chicago, Illinois 1/30/06. **JH Burack**
27. Intravenous Leiomyomatosis with Intracardiac Extension. Poster Presentation at 30th Annual Symposium on Vascular Surgery, Mar 14-17, 2002. K. Krishnasastri, Quang Vo, **Vinay Tak** et al.
28. Endothelial Specific Enhancer of E-Selectin. Poster presentation, American Thoracic Society International Conference, 2000. **Peter Terry**
29. **Lee, D.C.**, Rodriguez, E.K., McCulloch, A.D. "Effect of Residual Stress on Transmural Sarcomere Length Distributions in Rat Left Ventricle." University of California at San Diego Research Conference, May, 1992.
30. **Lee, D.C.**, Bassiouny, H.S. "Diurnal Heart Rate Variability and Experimental Carotid Atherosclerosis." University of Chicago Pritzker Research Forum, October, 1994.
31. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S. "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." Society for Vascular Surgery/North American Chapter, International Society for Cardiovascular Surgery, June 11, 1995.
32. Bassiouny, H.S., **Lee, D.C.**, Zarins, C.K., Glagov, S. "Low Diurnal Heart Rate Variability Inhibits Experimental Carotid Stenosis." American College of Surgeons, 1995.
33. Bassiouny, H.S., **Lee, D.C.**, Glagov, S., Zarins, C.K. "Heart Rate Reactivity as a Predictor of the Severity of Experimental Carotid Stenosis." Society of Vascular Surgery, 2000.
34. **Lee, D.C.**, Oz, M.C., Lin, S.X., Ting, W. "Optimal Timing of Coronary Revascularization – Transmural Versus Nontransmural Acute Myocardial Infarction." Society of Thoracic Surgery, 2000.
35. **Lee, D.C.**, Oz, M.C., Lin, S.X., Weinberg, A.D., Ting, W. "Quality of Care and Outcome in Coronary Revascularization: Are There any Differences between Mandatory and Voluntary Reporting?" American College of Surgeons, 2000.
36. **Lee, D.C.**, Ting, W. "Optimal Timing of Coronary Revascularization –

Transmural Versus Nontransmural Acute Myocardial Infarction." CAMS Scientific Session, 2000.

37. Kavarana, M.N., Frumento, R.J., Hirsh, A.L., Oz, M.C., Mets, B., **Lee, D.C.**, Bennett-Guerrero, E. "Association of Sublingual PCO₂, Gastric PCO₂, and Adverse Outcome Following Cardiac Surgery." American Society of Anesthesia, 2001.
38. **Lee, D.C.**, Oz, M.C., Weinberg, A.D., Ting, W. "Appropriate Timing of Surgical Intervention after Transmural Acute Myocardial Infarction." American Association for Thoracic Surgery, 2001.
39. **Lee, D.C.**, Grimblatov, V., Avila, L., Laine, A. Heinz, T.F., Oz, M.C., Leonard, E.F. "Endoscopic Visualization through Blood." American Society for Artificial Internal Organs, 2001.
40. **Lee, D.C.**, Qu, W, Lu, Y., Stern, D.M., Schmidt, A.M. "Blockade of RAGE Suppresses Growth, Metastases, and Progression of Mammary Tumors in a Murine Model of Breast Cancer." American College of Surgeons, 2001.
41. Bucciarelli, L.G., Wendt, T.M., Qu, W., Lu, Y., Lalla, E., Goova, M.T., Rong, L.L., Moser, B., **Lee, D.C.**, Kashyap Y., Stern, D.M., Schmidt, A.M. "RAGE Blockade Suppresses Migration and Activation of Mononuclear Phagocytes and Vascular Smooth Muscle Cells in Diabetic Vascular Lesions: Implications for Atherosclerotic Lesion Stabilization." Keystone Symposia in Inflammatory Paradigms and the Vasculature II, 2002.
42. Grimblatov, V., **Lee, D.C.**, Oz, M.C., Leonard, E.F. "Spectral Analysis of Optical Imaging Through Blood." SPIE-The International Society for Optical Engineering, 2002.
43. **Lee, D.C.**, Frumento, R.J., Oz, M.C., Bennett-Guerrero, E. "N-Acetylcysteine and Total Plasma Antioxidant Status in High Risk Cardiac Surgical Patients." Society of Cardiovascular Anesthesia, 2002.
44. **Lee, D.C.**, Xu, Z., Qu, W., Lu, Y., Anderson, D., Stern, D.M., Schimdt, A.M. "Blockade of Receptor for AGE (RAGE) Suppresses Growth and Metastases of Mammary Tumors in a Murine Model of Breast Cancer." American Association for Cancer Research, 2002.

45. Waterhouse, R.N., Fawwaz, R., Collier L., Dumont F., **Lee, D.C.**, Schmidt A.M., Van Heertum, R. "The Sigma-1 Receptor PET Radiotracer [¹⁸F]FPS1: Potential Advantages over [¹⁸F]FDG For Tumor Visualization Demonstrated in Pre-Clinical Models." Society of Nuclear Medicine, 2002.
46. **Lee, D.C.**, del Toro, G., Xu, Z., Kim, J., Qu, W., Lu, Y., Stern, D.M., Schmidt, A.M. "Blockade of RAGE and Cytotoxic Chemotherapy Enhances Suppression of Experimental Metastases." American College of Surgeons, 2002.
47. **Lee, D.C.** "Coronary Artery Bypass Grafting in Acute Myocardial Infarction." Yale University School of Medicine Department of Surgery Grand Rounds, 2005.