

Curriculum Vitae

Edward Po-Chung Chen, M.D.

CITIZENSHIP: United States of America

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EDUCATION:

1992 M.D. DUKE UNIVERSITY
1988 B.S. STANFORD UNIVERSITY
Department of Chemistry

CURRENT APPOINTMENT:

2004-Present ASSISTANT PROFESSOR OF SURGERY
Division of Cardiothoracic Surgery, Emory University

POSTDOCTORAL TRAINING:

7/03-12/03 FELLOW IN AORTIC SURGERY
Department of Cardiothoracic and Vascular Surgery, UT Houston
Chairman: Hazim J. Safi, MD

2002-2003 ADMINISTRATIVE CHIEF RESIDENT IN CARDIOTHORACIC SURGERY
Division of Cardiothoracic Surgery, Emory University
Chief: Robert A. Guyton MD

2001-2002 RESIDENT IN CARDIOTHORACIC SURGERY
Division of Cardiothoracic Surgery, Emory University
Chief: Robert A. Guyton MD

2000-2001 FELLOW IN CARDIOTHORACIC SURGERY
Division of Cardiothoracic Surgery, Emory University
Chief: Robert A. Guyton MD

1999-2000 CHIEF RESIDENT IN SURGERY
Department of Surgery, University of California, San Francisco
Chair: Nancy L. Ascher MD PhD

1998-1999 SENIOR RESIDENT IN SURGERY
Department of Surgery, University of California, San Francisco
Chairman: Theodore R. Schrock MD

1997-1998 JUNIOR RESIDENT IN SURGERY

- Department of Surgery, University of California, San Francisco
Chairman: Theodore R. Schrock MD
- 1994-1997 RESEARCH FELLOW IN CARDIOTHORACIC SURGERY
Department of Surgery, Duke University Medical Center
Mentor: Peter Van Trigt MD
R. Duane Davis MD
- 1993-1994 RESIDENT II IN SURGERY
Department of Surgery, University of California, San Francisco
Chairman: Theodore R. Schrock MD
- 1992-1993 RESIDENT I IN SURGERY
Department of Surgery, University of California, San Francisco
Chairman: Haile T. Debas MD

PROFESSIONAL SOCIETIES:

AMERICAN COLLEGE OF SURGEONS, FELLOW
AMERICAN COLLEGE OF CARDIOLOGY
HOWARD C. NAFFZIGER SURGICAL SOCIETY
SOUTHERN THORACIC SURGICAL ASSOCIATION
SOCIETY OF THORACIC SURGEONS

COMMITTEES:

- 2008-Present AORTIC DISSECTION TRIAL COMMITTEE, CARDIOTHORACIC
SURGERY NETWORK
- 2008-Present HEART AND VASCULAR PROGRAM TEAM, EMORY HEART &
VASCULAR CENTER
- 2006-Present PERIPHERAL VASCULAR DISEASE FOCUS GROUP, EMORY
HEART & VASCULAR CENTER
- 2005-Present MEDICAL DIRECTOR OF PERFUSION SERVICES, EMORY
UNIVERSITY HOSPITAL
- 2002-2003 HEART CENTER EDUCATION & COMMUNITY OUTREACH
SUBCOMITTEE OF EMORY HEART CENTER PLANNING
COMMITTEE
- 1998-1999 REGIONAL REPRESENTATIVE, DUKE UNIVERSITY SCHOOL OF
MEDICINE COMMITTEE ON ADMISSIONS

ACADEMIC HONORS AND AWARDS:

- 2007 OUTSTANDING TEACHER IN CARDIOTHORACIC SURGERY
Division of Cardiothoracic Surgery, Emory University

- | | |
|-----------|--|
| 1997 | THORACIC SURGERY DIRECTORS ASSOCIATION RESIDENTS RESEARCH AWARD
The Society of Thoracic Surgeons, Chicago, Illinois |
| 1996 | YOUNG INVESTIGATOR AWARD
American College of Chest Physicians, Northbrook, Illinois |
| 1996 | NATIONAL RESEARCH SERVICE AWARD
National Institutes of Health, Bethesda, Maryland |
| 1988 | HONORS GRADUATE, BACHELOR OF SCIENCE
Department of Chemistry, Stanford University |
| 1984-1986 | DEAN'S LIST |

BOARD CERTIFICATION:

- | | | |
|------|------------------------------------|--------|
| 2004 | AMERICAN BOARD OF THORACIC SURGERY | #6885 |
| 2001 | AMERICAN BOARD OF SURGERY | #46823 |

LICENSURE:

- | | | |
|------|---------------------|----------|
| 2000 | STATE OF GEORGIA | #48884 |
| 1994 | STATE OF CALIFORNIA | #A 53000 |

CLINICAL INTERESTS:

Surgery of the thoracic aorta.
Valve-sparing aortic root replacement.
Transverse arch, descending, and thoracoabdominal aneurysms.
Acute and chronic aortic dissection.
Endovascular repair of thoracic aortic disease.
High risk cardiac surgery.
Mitral valve repair.
Minimally invasive valve surgery.

RESEARCH INTERESTS:

Clinical outcomes with selective antegrade cerebral perfusion via right axillary artery cannulation in proximal aortic surgery.

Clinical outcomes in high risk valve-sparing aortic root replacement.

Clinical outcomes of stentless aortic valve replacement in low EF patients.

Gender differences in aortic surgery.

Effect of statins on clinical outcome in aortic surgery and high risk cardiac surgery.

Clinical outcomes in reoperative aortic valve surgery.

Effect of COPD on clinical outcomes in aortic valve surgery.

Effect of aortic root replacement on clinical outcomes in proximal aortic surgery requiring circulatory arrest.

Clinical outcomes of aortic root replacement in low EF patients.

Outcomes research and quality of life comparison in the cardiac surgical population.

GRANT SUPPORT:

1996-1998 NRSA Postdoctoral Fellowship Number HL09489-02
“Extracellular SOD in Cardiac Ischemia and Reperfusion Injury”

GUEST REVIEWER:

American Journal of Physiology
Annals of Thoracic Surgery
Circulation
Comparative Biochemistry and Physiology
Journal of Heart Valve Disease

BIBLIOGRAPHY

1. **Chen EP**, Steinhorst UH, Samsa GP, Saloupis PT, and Hatchell DL. The effect of combined daunorubicin and triamcinolone acetonide treatment on a refined experimental model of proliferative vitreoretinopathy. *Investigative Ophthalmology & Visual Science* 1992;33(7):2160-64.
2. Steinhorst UH, **Chen EP**, Hatchell DL, Samsa GP, Saloupis PT, Westendorf J, and Machemer R. Aclacinomycin A in the treatment of experimental proliferative vitreoretinopathy: efficacy and toxicity in the rabbit eye. *Investigative Ophthalmology & Visual Science* 1993;34(5):1753-60.

3. Steinhorst UH, **Chen EP**, Machemer R, and Hatchell DL. N,N-Dimethyl-Adriamycin for treatment of experimental proliferative vitreoretinopathy: efficacy and toxicity in the rabbit retina. *Experimental Eye Research* 1993;56:489-95.
4. Steinhorst UH, Hatchell DL, **Chen EP**, and Machemer R. Ocular toxicity of daunomycin: Effects of subdivided doses after vitreous liquefaction. *Graefe's Archive for Clinical and Experimental Ophthalmology* 1993;231:591-94.
5. Steinhorst UH, **Chen EP**, Freedman SF, and Hatchell DL. Growth inhibition of human Tenon's capsule fibroblasts and rabbit dermal fibroblasts with non-carcinogenic N-alkylated anthracyclines. *Graefe's Archive for Clinical and Experimental Ophthalmology* 1994;232:347-54.
6. Bittner HB, Kendall SWH, **Chen EP**, Van Trigt P. Endocrine changes and metabolic responses in a validated canine brain death model. *Journal of Critical Care* 1995;10(2):56-63.
7. Bittner HB, Kendall SWH, **Chen EP**, Davis RD, Van Trigt P. Myocardial performance after graft preservation and subsequent transplantation from brain dead organ donors. *Annals of Thoracic Surgery* 1995;60:47-54.
8. Bittner HB, Kendall SWH, **Chen EP**, Van Trigt P. Complete orthotopic atrioventricular cardiac transplantation: improved performance compared to the standard technique. *Annals of Thoracic Surgery* 1995;60:275-83.
9. Bittner HB, **Chen EP**, Milano CA, Biswas SS, Davis RD, Van Trigt P. Myocardial function in hearts overexpressing β -adrenergic receptors. *Surgical Forum* 1995;46:251-4.
10. Bittner HB, Kendall SWH, **Chen EP**, Davis RD, Van Trigt P. Right ventricular dysfunction in the brain dead heart-beating organ donor. *Transplantation Proceedings* 1995;27(4):2551-5.
11. Bittner HB, Kendall SWH, **Chen EP**, Davis RD, Van Trigt P. The effects of brain death on cardiopulmonary hemodynamics and pulmonary blood flow characteristics. *Chest* 1995;108:1358-63.
12. Bittner HB, **Chen EP**, Milano CA, Kendall SWH, Davis RD, Jennings RB, Sabiston DC, Van Trigt P. Myocardial β -adrenergic receptor function and high energy phosphates in brain death related cardiac dysfunction. *Circulation* 1995;92[suppl II]:II472-II478.
13. Bittner HB, **Chen EP**, Geiger MIB, Kendall SWH, Guice KS, Van Trigt P. Nitric oxide in brain death related cardiovascular dysfunction. *Journal of Critical Care* 1996;11(1):43-49.
14. Bittner HB, **Chen EP**, Peterseim D, Van Trigt P. A work-performing heart preparation for myocardial performance analysis in murine hearts. *Journal of Surgical Research* 1996;64:57-62.
15. **Chen EP**, Bittner HB, Kendall SWH, Van Trigt P. Hormonal and hemodynamic changes in a validated animal model of brain death. *Critical Care Medicine* 1996;24:1352-9.
16. Bittner HB, Kendall SWH, **Chen EP**, Van Trigt. The combined effects of brain death and cardiac graft preservation on cardiopulmonary hemodynamics and function before and after subsequent heart transplantation. *Journal of Heart and Lung Transplantation* 1996;15:764-777.
17. **Chen EP**, Bittner HB, Akhter SA, Tull F, Koch WJ, Van Trigt P. Biventricular mechanics and β -adrenergic receptor function in chronic pulmonary hypertension. *Surgical Forum* 1996;47:247-250.

18. Daggett CW, Yeatman M, **Chen EP**, Lodge AJ, Srinivasan M, Lawson JH, Byrne G, Logan J, Platt JL, Davis RD. Transgene swine-to-primate pulmonary xenotransplantation. *Surgical Forum* 1996;47:413-415.
19. Bittner HB, **Chen EP**, Craig D, Van Trigt P. Preload recruitable stroke work relationships and diastolic dysfunction in the brain dead organ donor. *Circulation* 1996;94[suppl II]:II320-II325.
20. Bittner HB, **Chen EP**, Kendall SW, Craig D, Van Trigt P. Total atrioventricular cardiac transplantation preserves atrial systole and ventricular diastolic filling. *Circulation* 1996;94[suppl II]:II260-II266.
21. **Chen EP**, Bittner HB, Davis RD, Folz R, Van Trigt P. Extracellular superoxide dismutase transgene overexpression preserves post-ischemic cardiac function in isolated murine hearts. *Circulation* 1996;94[suppl II]:II412-II417.
22. Biswas SS, **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Brain death promotes ischemic reperfusion injury to the rabbit myocardium. *Annals of Thoracic Surgery* 1996;62:1808-1815.
23. **Chen EP**, Bittner HB, Tull F, Biswas SS, Davis RD, Van Trigt P. An adult canine model of chronic pulmonary hypertension for cardiopulmonary transplantation. *Journal of Heart and Lung Transplantation* 1997;16:538-547.
24. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Right ventricular failure: new insights provided by a new model of chronic pulmonary hypertension. *Transplantation* 1997;63(2):209-216.
25. Daggett CW, Yeatman M, Lodge AJ, **Chen EP**, Van Trigt P, Byrne GW, Logan JS, Lawson JH, Platt JL, Davis RD. Swine lungs expressing human complement-regulating proteins are protected against acute pulmonary dysfunction in a human plasma perfusion model. *Journal of Thoracic and Cardiovascular Surgery* 1997;113:390-398.
26. **Chen EP**, Bittner HB, Craig D, Davis RD, Van Trigt P. Pulmonary hemodynamics and blood flow characteristics in chronic pulmonary hypertension. *Annals of Thoracic Surgery* 1997;63:806-813.
27. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Milrinone improves pulmonary hemodynamics and right ventricular function in chronic pulmonary hypertension. *Annals of Thoracic Surgery* 1997;63:814-821.
28. Bittner HB, **Chen EP**, Kendall SW, Van Trigt P. Brain death alters cardiopulmonary hemodynamics and impairs right ventricular power reserve against an elevation of pulmonary vascular resistance. *Chest* 1997;111:706-711.
29. Bittner HB, **Chen EP**, Milano CA, Lefkowitz RJ, Van Trigt P. Functional analysis of myocardial performance in murine hearts overexpressing the human β_2 -adrenergic receptor. *Journal of Molecular & Cellular Cardiology* 1997;29:961-967.
30. **Chen EP**, Bittner HB, Tull F, Craig D, Davis RD, Van Trigt P. Nitric oxide improves pulmonary vascular impedance, transpulmonary efficiency, and left ventricular filling in chronic pulmonary hypertension. *Journal of Thoracic and Cardiovascular Surgery* 1997;113:849-857.
31. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Effects of nitric oxide after cardiac transplantation in the setting of recipient pulmonary hypertension. *Annals of Thoracic Surgery* 1997;63:1546-1555.

32. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Hemodynamic and inotropic effects of nitric oxide in pulmonary hypertension. *Journal of Surgical Research* 1997;69:288-294.
33. **Chen EP**, Akhter SA, Williamson JA, Gullotto C, Koch WJ, Davis RD. Myocardial function in hearts with transgenic overexpression of the G-protein coupled receptor kinase-5. *Surgical Forum* 1997;48:240-2.
34. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Right ventricular adaptation to increased afterload after orthotopic cardiac transplantation in the setting of recipient chronic pulmonary hypertension. *Circulation* 1997;96[suppl II]:II-141-II-147.
35. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Pulmonary vascular impedance and recipient chronic pulmonary hypertension following cardiac transplantation. *Chest* 1997;112(6):1622-1629.
36. Daggett CW, Yeatman M, Lodge AJ, **Chen EP**, Lin SS, Gullotto C, Frank MM, Platt JL, Davis RD. Total respiratory support from swine lungs in primate recipients. *Journal of Thoracic and Cardiovascular Surgery* 1998;115:19-27.
37. **Chen EP**, Bittner HB, Davis RD, Van Trigt P, Folz RJ. Physiologic effects of extracellular superoxide dismutase transgene overexpression on myocardial function after ischemia and reperfusion injury. *Journal of Thoracic and Cardiovascular Surgery* 1998;115:450-459.
38. **Chen EP**, Craig DM, Bittner HB, Davis RD, Van Trigt P. Pharmacological strategies for improving diastolic dysfunction in the setting of chronic pulmonary hypertension. *Circulation* 1998;97:1606-1612.
39. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. Hemodynamic and inotropic effects of milrinone after cardiac transplantation in the setting of recipient pulmonary hypertension. *Journal of Heart and Lung Transplantation* 1998;17(7):669-678.
40. Bittner HB, **Chen EP**, Kendall SW, Biswas SS, Davis RD, Van Trigt P. Right ventricular function in orthotopic total atrioventricular cardiac transplantation. *Journal of Heart and Lung Transplantation* 1998;17(8):826-834.
41. **Chen EP**, Bittner HB, Akhter SA, Koch WJ, Davis RD. Myocardial recovery following ischemia and reperfusion injury is significantly impaired in hearts with transgenic overexpression of the β -adrenergic receptor kinase. *Circulation* 1998;98[suppl II]:II-249-II-254.
42. **Chen EP**, Akhter SA, Bittner HB, Koch WJ, Davis RD, Van Trigt P. Molecular and functional mechanisms of right ventricular adaptation in chronic pulmonary hypertension. *Annals of Thoracic Surgery* 1999;67:1053-1058.
43. Bittner HB, **Chen EP**, Biswas SS, Van Trigt P, Davis RD. Right ventricular dysfunction after cardiac transplantation: primarily related to status of donor heart. *Annals of Thoracic Surgery* 1999;68:1605-1611.
44. Lau CL, Daggett CW, Yeatman MF, Chai P, Lin SS, Lodge AJ, **Chen EP**, Diamond LE, Byrne GW, Logan JS, Parker W, Platt JL, Davis RD. The role of antibodies in dysfunction of pig-to-baboon pulmonary transplants. *Journal of Thoracic and Cardiovascular Surgery* 2000;120:29-38.

45. **Chen EP**, Bittner HB, Akhter SA, Koch WJ, Davis RD. Myocardial function in hearts with transgenic overexpression of the G Protein-Coupled Receptor Kinase 5. *Annals of Thoracic Surgery* 2001;71:1320-1324.
46. **Chen EP**, Weber CJ, Smith CD, Miller JI. Synchronous presentation of primary non-small cell lung carcinoma and pheochromocytoma. *Annals of Thoracic Surgery* 2002;74:924-926.
47. **Chen EP**, Miller JI. Modern approaches and use of surgical treatment for pericardial disease. *Current Cardiology Reports* 2002;4(1):41-46.
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49. Halkos MD, Levy JH, **Chen EP**, Reddy VS, Lattouf OM, Guyton RA, Song HK. Early experience with activated recombinant factor VII for intractable hemorrhage following cardiovascular surgery. *Annals of Thoracic Surgery* 2005;79:1303-1306.
50. Serna DL, Miller JS, **Chen EP**. Aortic reconstruction after complex injury of the mid-transverse arch. *Annals of Thoracic Surgery* 2006;81:1112-1114.
51. Sniecinski RM, **Chen EP**, Levy JH, Sziam F, Tanaka KA. Coagulopathy after cardiopulmonary bypass in Jehovah's Witness patients: management of two cases using fractionated components and factor VIIa. *Anesthesia and Analgesia* 2007;104:763-765.
52. Whitley W, Tanaka KA, **Chen EP**, Glas KE. Acute aortic dissection with intimal layer prolapse into the left ventricle. *Anesthesia and Analgesia* 2007;104:774-776
53. Budde JM, Serna DL, Osborne SC, Steele MA, **Chen EP**. Axillary cannulation for proximal aortic surgery is as safe in the emergent setting as it is in elective cases. *Annals of Thoracic Surgery* 2006;82:2154-2160.
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55. Long SM, Nair D, Halandras PM, Kasirajan K, Milner R, **Chen EP**. Ileo-femoral malperfusion complicating type A dissection: revascularization prevents renal failure. *Annals of Thoracic Surgery* 2007;84:2099-2101.
56. Sniecinski RM, **Chen EP**, Tanaka KA. Reduced levels of fibrin (antithrombin I) and antithrombin III underlie coagulopathy following complex cardiac surgery. *Blood Coagulation and Fibrinolysis* 2008;19(2):178-179.
57. Sniecinski, RM, Szlam F, **Chen EP**, Bader SO, Levy JH, Tanaka KA. Antithrombin deficiency increases thrombin activity after prolonged cardiopulmonary bypass. *Anesthesia & Analgesia* 2008;106(3):713-718.
58. Puskas JD, Kilgo PD, Lattouf OM, Thourani VH, Cooper WA, Vassiliades TA, **Chen EP**, Vega JD, Guyton RA. Off-pump coronary bypass provides reduced mortality and morbidity and equivalent 10-year survival. *Annals of Thoracic Surgery* 2008;86:1139-1146.

59. Thourani VH, Myung R, Kilgo P, Thompson K, Puskas JD, Lattouf OM, Cooper WA, Vega JD, **Chen EP**, Guyton RA. Long-term outcomes after isolated aortic valve replacement in octogenarians: a modern prospective. *Annals of Thoracic Surgery* 2008;86:1458-1465.
60. Halkos ME, Kerendi F, Myung R, Kilgo P, Puskas JD, **Chen EP**. Selective antegrade cerebral perfusion via right axillary artery cannulation reduces morbidity and mortality after proximal aortic surgery. *Journal of Thoracic and Cardiovascular Surgery* 2008, submitted.
61. Kerendi F, Guyton RA, Vega JD, Kilgo PD, **Chen EP**. Early results of valve-sparing aortic root replacement in high risk clinical scenarios. *Annals of Thoracic Surgery*, 2008, submitted.
62. Corvera JS, Nguyen DQ, Vega JD, Guyton RA, **Chen EP**. Repair of a ruptures sinus of Valsalva aneurysm with valve-sparing aortic root replacement. *Annals of Thoracic Surgery*, 2008, in preparation.

ABSTRACTS AND NATIONAL PRESENTATIONS

1. **Chen EP**, Steinhorst UH, Saloupis PT, and Hatchell DL. Combination therapy for experimental proliferative vitreoretinopathy using daunorubicin and triamcinolone acetonide. *Investigative Ophthalmology & Visual Science* 1991;32(Suppl):767. Association for Research in Vision and Ophthalmology, Sarasota, Florida.
2. Steinhorst UH, **Chen EP**, Hatchell DL, and Machermer R. The non-carcinogenic N-alkyl anthracycline N,N-dimethyl-adriamycin in the treatment of experimental proliferative vitreoretinopathy. *Investigative Ophthalmology & Visual Science* 1992;33-4(Suppl):727. Association for Research in Vision and Ophthalmology, Sarasota, Florida.
3. Steinhorst UH, **Chen EP**, Hatchell DL, Westendorf J, and Machermer R. Non-genotoxic anthracyclines for treatment of proliferative vitreoretinopathy: evaluation of retinal toxicity of N,N-dimethyladriamycin and aclacinomycin A in the rabbit eye. *German Journal of Ophthalmology* 1992;Suppl 1:276.
4. Steinhorst UH, **Chen EP**, Freedman SF, and Hatchell DL. Antiproliferative effects of noncarcinogenic anthracyclines on human Tenon fibroblasts and rabbit dermal fibroblasts. *Investigative Ophthalmology & Visual Science* 1994;35(4):1432. Association for Research in Vision and Ophthalmology, Sarasota, Florida.
5. **Chen EP**, Bittner HB, Kendall SWH, Davis RD, Van Trigt P. Hormonal and hemodynamic changes in a validated animal model of brain death. *Critical Care Medicine* 1995;23(1):A96. Society of Critical Care Medicine, San Francisco, California.
6. Bittner HB, Kendall SW, **Chen EP**, Van Trigt P. Complete atrioventricular orthotopic cardiac transplantation: improved performance compared to the standard technique. Society of Thoracic Surgeons, 31st Scientific Session, Palms Springs, California, 1995.
7. Bittner HB, Kendall SW, **Chen EP**, Van Trigt P. Myocardial performance and function after cardiac preservation and transplantation from brain dead organ donors. Society of Thoracic Surgeons, 31st Scientific Session, Palm Springs, California, 1995.

8. Bittner HB, **Chen EP**, Kendall SWH, Davis RD, Van Trigt P. Brain death impairs right ventricular hydraulic power reserve against an acute elevation of pulmonary vascular resistance. *Journal of Heart and Lung Transplantation* 1995;14:75. International Society for Heart and Lung Transplantation, San Francisco, California.
9. Bittner HB, **Chen EP**, Kendall SWH, Davis RD, Ota T, Van Trigt P. Effect of brain death on myocardial performance after subsequent cardiac transplantation. *Journal of Heart and Lung Transplantation* 1995;14:75. International Society for Heart and Lung Transplantation, San Francisco, California.
10. Bittner HB, **Chen EP**, Biswas SS, Kendall SWH, Davis RD, Van Trigt P. Right ventricular failure in the brain dead heart beating organ donor. *Journal of Heart Failure* 1995;2:731. 3rd International Congress on Heart Failure-Mechanisms and Management, Geneva, Switzerland.
11. Bittner HB, **Chen EP**, Milano CA, Kirshbom PM, DiBernardo LR, Campbell KA, Van Trigt P. Left ventricular failure and myocardial function in human β -adrenergic receptor gene overexpressed hearts. *Journal of Heart Failure* 1995;2:58. 3rd International Congress on Heart Failure Mechanisms and Management, Geneva, Switzerland.
12. Bittner HB, **Chen EP**, Milano CA, Biswas SS, Davis RD, Van Trigt P. Myocardial function in hearts overexpressing β -adrenergic receptors. American College of Surgeons, 81st Clinical Congress, New Orleans, Louisiana, 1995.
13. Bittner HB, **Chen EP**, Kendall SW, Davis RD, Van Trigt P. Brain death impairs right ventricular hydraulic power reserve against an acute elevation of pulmonary vascular resistance. *Chest* 1995;108(3) Suppl:170S. American College of Chest Physicians, 61st Annual International Scientific Assembly, New York, New York, 1995.
14. **Chen EP**, Bittner HB, Davis RD, Van Trigt P, Folz RJ. Extracellular superoxide dismutase overexpression improves post-ischemic myocardial function in isolated murine hearts. *Circulation* 1995;92(8) Suppl I:I-514. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.
15. **Chen EP**, Bittner HB, Peterseim DS, Wharton JM, Van Trigt P. A noninvasive method to diagnose acute rejection in cardiac transplant patients using signal averaged electrocardiograms. *Circulation* 1995;92(8) Suppl I:I-406. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.
16. Bittner HB, **Chen EP**, Campbell KA, Davis JD, Van Trigt P. A valid working heart preparation to study cardiac function and ischemia in murine hearts. *Circulation* 1995;92(8) Suppl I:I-322. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.
17. Bittner HB, **Chen EP**, Kendall SW, Biswas SS, Craig D, Jennings RB, Davis RD, Van Trigt P. Diastolic dysfunction in the brain dead heart beating organ donor. *Circulation* 1995;92(8) Suppl I:I-578. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.
18. Bittner HB, **Chen EP**, Milano CA, Jennings RB, Lefkowitz RJ, Van Trigt P. The effects of ischemia and age on myocardial function in human β -adrenergic receptor gene overexpressed hearts. *Circulation* 1995;92(8) Suppl I:I-233. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.

19. Bittner HB, Kendall SW, **Chen EP**, Craig D, Davis RD, Ota T, Van Trigt P. Diastolic function and atrial systole is maintained in complete orthotopic cardiac transplantation compared to the standard technique. *Circulation* 1995;92(8) Suppl I:I-124. American Heart Association, 68th Scientific Sessions, Anaheim, California, 1995.
20. Bittner HB, **Chen EP**, Kendall SW, Biswas SS, Van Trigt P. Atrial systole and ventricular diastolic filling is more preserved in complete orthotopic cardiac transplantation compared to the standard technique. Society of Thoracic Surgeons, 32nd Scientific Session, Orlando, Florida, 1996.
21. **Chen EP**, Bittner HB, Biswas SS, Campbell KA, Van Trigt P. An adult canine model of chronic pulmonary hypertension for cardiopulmonary transplantation. *Journal of Heart and Lung Transplantation* 1996;15(1) Part 2:S55. International Society For Heart and Lung Transplantation, Sixteenth Annual Meeting and Scientific Sessions, New York, New York, 1996.
22. Bittner HB, **Chen EP**, Kendall SW, Davis RD, Van Trigt P. Right ventricular function following heart transplantation in relation to donor and recipient pulmonary impedance status. *Journal of Heart and Lung Transplantation* 1996;15(1) Part 2:S50. International Society For Heart and Lung Transplantation, Sixteenth Annual Meeting and Scientific Sessions, New York, New York, 1996.
23. Daggett CW, Yeatman M, Lodge AJ, Lawson JH, **Chen EP**, Srinivasan M, Van Trigt P, Byrne G, Logan J, Platt JL, Davis RD. Genetically engineered porcine lungs in a human xenotransplantation model. American Association for Thoracic Surgery, Seventy-Sixth Annual Meeting, San Diego, California, 1996.
24. **Chen EP**, Tull F, Bittner HB, Van Trigt P. Right ventricular failure: insights provided by a new model of chronic pulmonary hypertension. American Society of Transplant Surgeons, Twenty-Second Annual Scientific Meeting, Dallas, Texas, May 29-31, 1996.
25. Bittner HB, **Chen EP**, Kendall SW, Van Trigt P. Right ventricular function and atrial systole is maintained in complete orthotopic cardiac transplantation compared to the standard technique. *Cardiovasc Surg* 1996; September: 45. European Society for Cardiovascular Surgery, 45th International Congress, Venice, Italy, September 15-18, 1996.
26. Bittner HB, **Chen EP**, Kendall SW, Van Trigt P. Right ventricular function following cardiac transplantation from brain dead organ donors. *Cardiovasc Surg* 1996; September: 162. European Society for Cardiovascular Surgery, 45th International Congress, Venice, Italy, September 15-18, 1996.
27. **Chen EP**, Bittner HB, Akhter SA, Tull F, Koch WJ, Van Trigt P. Biventricular mechanics and β -adrenergic receptor function in chronic pulmonary hypertension. American College of Surgeons, Eighty Second Clinical Congress, San Francisco, California, October 6-11, 1996.
28. Daggett CW, Yeatman M, Lodge AJ, **Chen EP**, Srinivasan M, Byrne G, Logan J, Platt J, Davis RD. Transgenic swine-to-primate pulmonary xenotransplantation. American College of Surgeons, Eighty Second Clinical Congress, San Francisco, California, October 6-11, 1996.
29. Bittner HB, **Chen EP**, Davis RD, Van Trigt P. The effects of pulmonary vascular impedance on right ventricular function pre- and post-heart transplantation. *Chest* 1996;110(4) Suppl:219S. American College of Chest Physicians, 62nd Annual Scientific Assembly and the XVIII World Congress on Diseases of the Chest, San Francisco, California, October 27-31, 1996.

30. **Chen EP**, Bittner HB, Tull F, Craig D, Davis RD, Van Trigt P. Nitric oxide improves vascular impedance and efficiency following cardiac transplantation in the setting of recipient pulmonary hypertension. *Chest* 1996;110(4) Suppl:29S. American College of Chest Physicians, 62nd Annual Scientific Assembly and the XVIII World Congress on Diseases of the Chest, San Francisco, California, October 27-31, 1996.
31. **Chen EP**, Tull F, Bittner HB, Craig D, Davis RD, Trigt P. Vascular impedance characterization in chronic pulmonary hypertension. *Chest* 1996;110(4) Suppl:29S. American College of Chest Physicians, 62nd Annual Scientific Assembly and the XVIII World Congress on Diseases of the Chest, San Francisco, California, October 27-31, 1996.
32. **Chen EP**, Tull F, Bittner HB, Craig D, Davis RD, Van Trigt P. Pharmacologic strategies to improve diastolic dysfunction in chronic pulmonary hypertension. *Circulation* 1996;94(8) Suppl I:I-65. American Heart Association, 69th Scientific Sessions, New Orleans, Louisiana, November 10-13, 1996.
33. **Chen EP**, Bittner HB, Tull F, Davis RD, Van Trigt P. Right ventricular adaptation to increased afterload following orthotopic cardiac transplantation in the setting of recipient chronic pulmonary hypertension. *Circulation* 1996;94(8) Suppl I:I-479. American Heart Association, 69th Scientific Sessions, New Orleans, Louisiana, November 10-13, 1996.
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35. **Chen EP**, Bittner HB, Davis RD, Van Trigt P. The effects of nitric oxide on pulmonary hemodynamics following cardiac transplantation in the setting of recipient pulmonary hypertension. Society of Thoracic Surgeons, 33rd Annual Meeting, San Diego, California, February 3-5, 1997.
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54. Pusca SV, **Chen EP**. Use of valve sparing aortic root replacement (AVSAR) in cases with preoperative aortic insufficiency (PAI). Aortic Surgery Symposium X, New York, New York. April 27-28, 2006.
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57. Pusca SV, **Chen EP**. Significance of positive perioperative bacterial cultures after major aortic surgery with prosthetic material. Controversies and Advances in the Treatment of Cardiovascular Disease: The Sixth in the Series, Beverly Hills, California, October 5-6, 2006.
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59. Thourani V, Myung R, Kilgo P, Thompson K, Puskas J, Lattouf O, Vega JD, Cooper W, **Chen E**, Guyton R. Long-term outcomes after isolated aortic valve replacement in octogenarians: a modern perspective. The Society of Thoracic Surgeons 44th Annual Meeting, Fort Lauderdale, Florida, January 28-30, 2008.
60. Puskas JD, Kilgo PD, Lattouf OM, Thourani VH, Cooper WA, Vassiliades TA, **Chen EP**, Vega JD, Guyton RA. Off-pump coronary bypass grafting is associated with reduced operative mortality and morbidity and is equivalent to on-pump CABG in 10-year survival. The Society of Thoracic Surgeons 44th Annual Meeting, Fort Lauderdale, Florida, January 28-30, 2008.
61. Babaliaros V, Liff D, **Chen EP**, Rogers J, Brown R, Thourani V, Guyton R, Lerakis S, Stillman A, Raggi P, Cheesborough J, Green J, Block P. Percutaneous aortic valves: predicting appropriate size. The Society for Cardiovascular Angiography and Interventions Annual Scientific Sessions, Chicago, Illinois, March 29-April 1, 2008.

62. **Chen EP**, Kerendi F. Ascending, transverse arch and aortic root replacement using a Dacron graft and stentless subcoronary valve composite conduit. Aortic Surgery Symposium 2008, New York, New York. May 8-9, 2008.
63. Halkos ME, Kerendi F, Myung R, Kilgo P, Puskas JD, **Chen EP**. Selective antegrade cerebral perfusion via right axillary artery cannulation reduces morbidity and mortality after proximal aortic surgery. American Association for Thoracic Surgery, 88th Annual Meeting, San Diego, California, May 10-14, 2008.
64. Cooper WA, Thourani V, Lattouf OM, **Chen EP**, Vassiliades T, Puskas JP, Guyton RA. Racial disparity in outcomes after CABG is not neutralized by off pump techniques. American Heart Associations Scientific Sessions 2008. New Orleans, Louisiana, November 8-12, 2008.
65. Kerendi F, Guyton RA, Kilgo PD, **Chen EP**. Early results of valve-sparing aortic root replacement in high-risk clinical scenarios. Southern Thoracic Surgical Association 55th Annual Meeting, Austin, Texas, November 5-8, 2008.
66. Puskas MD, Thourani VH, Kilgo PD, Cooper WA, Vassiliades TA, Vega D, Morris CD, **Chen EP**, Schmotzer BJ, Guyton RA, Lattouf OM. Off-pump coronary artery bypass disproportionately benefits patients with higher Society of Thoracic Surgeons predicted risk of mortality. The Society of Thoracic Surgeons 45th Annual Meeting, San Francisco, California, January 26-28, 2009.
67. Halkos ME, **Chen EP**, Sarin E, Thourani VH, Kilgo PD, Lattouf OM, Vega JD, Cooper WA, Morris CD, Vassiliades TA, Guyton RA, Puskas JD. Aortic valve replacement for aortic stenosis in patients with left ventricular dysfunction: a multivariable risk factor analysis of short and long-term outcomes. The Society of Thoracic Surgeons 45th Annual Meeting, San Francisco, California, January 26-28, 2009.

INVITATIONS TO NATIONAL CONFERENCES

1. *Aortic Aneurysm Repair. Setting the Pace-Trends in Cardiovascular Nursing.* Emory University School of Nursing. Atlanta, Georgia, March 29, 2005.
2. *Surgical Anatomy of the Heart. Intraoperative Echocardiography in the 21st Century.* Emory University School of Medicine, Department of Anesthesiology, Division of Cardiothoracic Anesthesia. Atlanta, Georgia, September 8-11, 2005.
3. *Aortic Valve Sparing Procedures. Phillipino-American Medical Association.* Atlanta, Georgia, July 22, 2006.
4. *What's New in Cardiac Surgery. Critical Care Nursing: Visioning Beyond the Basics.* American Association of Critical Care Nurses. September 26, 2006.
5. *Not the job I thought I would have-Finding professional success in an unexpected place. Thoracic Surgery Residents Association.* Society of Thoracic Surgeons, January 29, 2007.
6. *Aortic Valve-Sparing Procedures. American Society of Extra-Corporeal Technology,* April 28, 2007.

7. *Type B Aortic Dissection and Malperfusion Syndromes*. **American College of Surgeons**, 93rd Clinical Congress, New Orleans, Louisiana, October 10, 2007.
8. *Aortic Valve Replacement Recommendations for 2007*. **Southern Thoracic Surgical Association**, 54th Annual Meeting, Bonita Springs, Florida, November 7, 2007.

LOCAL CONFERENCES AND LECTURES

1. *Surgery of the Thoracic Aorta: A Basic Overview*. **Emory Heart Center Monday Morning Conference**. May 24, 2004.
2. *Aortic Valve-Sparing Procedures*. **Carlye Frasier Heart Center Tuesday Morning Cardiovascular Conference**. February 21, 2006.
3. *Aortic Valve-Sparing Procedures*. **Emory Heart Center Monday Morning Conference**. October 9, 2006.
4. *Update in Cardiac Surgery: New Stuff at Emory University Hospital*. **Crawford Long Hospital Cardiovascular Services Monthly Educational Meeting**. November 2, 2006.
5. *Cannulation Techniques for Cardiopulmonary Bypass*. **Emory University Division of Cardiac Anesthesia Cardiopulmonary Bypass Course**. January 6, 2007.
6. *Valvular Heart Surgery: New Stuff at Emory University Hospital*. **Kennestone Hospital Cardiovascular Medicine Grand Rounds**. January 8, 2007.
7. *Valve-Sparing Aortic Root Replacement*. **American Society of Extra-Corporeal Technology**. April 27, 2007.
8. *Cannulation Choices for Cardiopulmonary Bypass*. **Emory University Division of Cardiac Anesthesia Cardiopulmonary Bypass Course 2008**. January 19, 2008.

TEACHING LECTURES

1. *Aortic Teaching Cases I*. **Cardiothoracic Surgery Wednesday Basic Science Course**. November, 2004.
2. *Aortic Teaching Cases II*. **Cardiothoracic Surgery Wednesday Basic Science Course**. March, 2006.
3. *Minimally Invasive Aortic Valve Replacement*. **Cardiothoracic Surgery Wednesday Basic Science Course**. September, 2006.
4. *Aortic Teaching Cases III*. **Cardiothoracic Surgery Wednesday Basic Science Course**. November, 2006.

5. *Surgery of the Thoracic Aorta: A Basic Overview*. **General Surgery Basic Science Course**. June 7, 2007.
6. *Aortic Stenosis*. **Cardiothoracic Surgery Wednesday Basic Science Course**. September 5, 2007.
7. *Acute Aortic Dissection*. **Cardiothoracic Surgery Wednesday Basic Science Course**. October 3, 2007.
8. *Thoracic Aortic Surgery*. **Cardiothoracic Surgery Wednesday Basic Science Course**. October 17, 2007.
9. *Aortic Teaching Cases IV*. **Cardiothoracic Surgery Wednesday Basic Science Course**. October 24, 2007.
10. *Aortic Dissection*. **Cardiothoracic Surgery Wednesday Basic Science Course**. September 3, 2008.
11. *Aortic Root Surgery*. **Cardiothoracic Surgery Wednesday Basic Science Course**. September 17, 2008.
12. *Aortic Arch/Descending Thoracic Aneurysms*. **Cardiothoracic Surgery Wednesday Basic Science Course**. September 24, 2008.
13. *Aortic Valve Replacement Recommendations for 2008*. **Cardiothoracic Surgery Wednesday Basic Science Course**. October 15, 2008.
14. *Aortic Valve Surgery: Prosthetic Options*. **Division of Cardiology Fellows Conference**. October 22, 2008.