

CURRICULUM VITAE
Joseph Cornelius Cleveland, Jr., M.D.

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Denver, Colorado 80231
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Office Address: University of Colorado Anschutz Medical Center
Cardiothoracic Surgery, C-310
12631 East 17th Avenue, Rm 6602
Aurora, CO 80045
E-mail: joseph.cleveland@ucdenver.edu
Office: (303) 724-2799

Date of Birth: November 3, 1965

Place of Birth: Philadelphia, Pennsylvania

Marital Status: Married – Kimberly K. Cleveland, November 23, 1990

Children: Joseph Cornelius Cleveland, III
January 19, 1995

Jean-Paul Cleveland
March 26, 1998

Professional Experience: Associate Professor
Specialty: Cardiothoracic Surgery
University of Colorado Denver July 1, 2005- Present

Assistant Professor
Specialty: Cardiothoracic Surgery
University of Colorado Health Sciences Center July 1, 2001- 2005

Chief, Cardiothoracic Surgical Service
Denver Veterans Administration Medical Center 2001-Present

Surgical Director, Adult Cardiac Transplantation/
Mechanical Cardiac Assist Devices
University of Colorado Denver 2002-Present

Associate Director of Thoracic Surgery
Residency Program
University of Colorado Denver 2003 – Present

	Director Thoracic Surgery Residency Program University of Colorado Health Sciences Center	2002- 2003
Education		
Undergraduate:	University of Southern California Los Angeles, California B.S., Magna Cum Laude, Biological Sciences	1983-1987
Medical School:	University of Washington School of Medicine Seattle, Washington M.D. with High Honors	1987-1991
Postgraduate		
Medical Training:	Internship, General Surgery University of Colorado Health Sciences Denver, Colorado	1991-1992
	Resident, General Surgery University of Colorado Health Sciences Denver, Colorado	1992-1997
	Chief Resident, General Surgery University of Colorado Health Sciences Denver, Colorado	1997-1998
	Resident, Thoracic and Cardiovascular Surgery University of Colorado Health Sciences	1998- 2001
Research		
Experience:	Medical Student Research Program, University of Washington Advisor: D. Scott Weigle, M.D. Department of Medicine, Division of Endocrinology Harborview Medical Center Seattle, Washington Project: Satiety signals in rodent and primates	1989-1991
	National Institutes of Health (NIH) Trauma Surgical Research Fellowship Advisor: Alden H. Harken, M.D. Department of Surgery University of Colorado Health Sciences Center Denver, Colorado Project: Cellular signaling during myocardial preconditioning	July 1994 – July 1996
Certification:	National Board of Medical Examiners #400198 Colorado Medical License #37633	1992 1999

American Board of Surgery #44129 1999/2019
American Board of Thoracic Surgery #6611 2002/2012

Awards and Honors

Undergraduate:

Phi Beta Kappa
May 1986

Mortar Board, University of Southern California
May 1986

Blue Key, University of Southern California
September 1987

Skull and Dagger, University of Southern California
May 1987

Order of the Palm, University of Southern California
May 1987

Medical School:

Alpha Omega Alpha
May 1990 (Junior Year)

Medical School Research Program
Honors Thesis, May 1991

Henry Harkins Award for Outstanding Medical Student in Surgery
May 1991

Graduation with High Honors
May 1991

Residency:

Outstanding Intern of the Year, 1991- 1992
June 1992, University of Colorado

Ben Eiseman Surgical Resident Research Award
July 1997

Second Place, Resident Competition
Colorado Chapter, American College of Surgeons, June 1997

First Place, Resident Competition
Colorado Chapter, American College of Surgeons, June 1998

Professional Awards:

Clifford Van Meter President's Award, Southern Thoracic Surgical Assoc
November 2001

Outstanding Clinical Teacher elected by the 3rd Year Medical Students
2002-2003

President's Award for Leadership- Elected honor by the Medical Staff of
The University of Colorado Hospital – December 2004

Professionalism Award. Recipient of the First Annual School of Medicine
Faculty Senate Award UCDHSC July 2007

Co-recipient of the 5th *Annual Dwight McGoon National Teaching Award*
Presented at the AATS Boston, MA, May 2009

Recognized by 5280: *Denver's Mile High Magazine* as one of Denver's Top
Doctors, July 2010.

Protocols/Research/Clinical Studies

Awarded Academic Enrichment Fund \$35,000

PI Joseph Cleveland Jr., MD, 2002

A Phase II, Multi-Center, Placebo-Controlled
Study: Clinical Pharmacology of Zoniporide \$338,000

PI Joseph Cleveland Jr., MD, 2003

Quintiles, Inc Expedition Trial HOE642/3002 \$100,133

PI Joseph Cleveland Jr., MD, 8/2001-11/2003

A Phase II randomized multi-center clinical study
To evaluate the safety and efficacy of the Tandem
Heart pVAD system vs conventional therapy
CO-PI Joseph Cleveland Jr., MD 7/2003-7/2005

BVS 5000 Bivac Animal Implantation # 65405700 (11) 1B
Transfer of Animal Protocol from ABIOMED Cardiovascular Inc
PI Joseph C. Cleveland Jr. MD 07/2001 – 07/2004

Heartmate LVAS Destination Therapy Registry (National)
Local P.I Joseph Cleveland Jr., MD, 8/1/2003 – Present \$3,780

Jahnigen Career Development Award; The Effect of Age Upon
Myocardial Cytokine Production. The Hartford Foundation
7/2004 - 6/2007
PI Joseph Cleveland, Jr., MD, \$200,000

Cooperative Studies Program (CSP #517) – ROOBY study
Outcomes following myocardial revascularization: On and off cardiopulmonary Bypass.
Denver VAMC PI Joseph Cleveland, Jr., MD 04/2002- 04/2008 \$660,000

Multi-center, Randomized, Double-Blind, Parallel-group, Placebo-Controlled Study of Infusion of Pexelizumab in Patients Under going Coronary Artery Bypass Grafting with Cardiopulmonary Bypass (PRIMO-CABG II)

Joseph C. Cleveland Jr., MD 10/2004- 11/2006 \$130,000

Paracor Heartnet PEERLESS HF Trial (Paracor funded)

CO-PI Joseph C. Cleveland, Jr., MD 07/2003 - 2008 \$552,000

Member of Data Safety Monitoring Board for SYM-05-001 study sponsored by Symphony Medical, Inc, entitled “An open label study to demonstrate the safety of CM-1 use on the cardiac fat pad in pts undergoing open-heart CABG, mitral valve replacement or aortic valve replacement” 03/2006 – 05/2007

“A Study of the Evalve® Cardiovascular Valve Repair System (CVRS) Endovascular Valve Edge-to-Edge Repair Study”.

PI John Carroll, M.D.

CO-PI Joseph C Cleveland Jr., MD 07/2003- Present

Evaluation of the HeartWare Left Ventricular Assist Device for the Treatment of Advanced Heart Failure 01/2010 Present

PI Joseph C. Cleveland Jr., MD

CO-PI Andreas Brieke, MD \$107,000

Society Memberships/Appointments:

American College of Cardiology, Member #619984	1998-Present
Association for Academic Surgery, Member	1998-Present
American Physiological Society, Member	1998-Present
American Association for the Advancement of Science, Member	1997-Present
Faculty Senate Representative for Department of Surgery University of Colorado at Denver School of Medicine	2002-2004
American College of Surgeons, Fellow #03035101	2003-Present
The Society of Thoracic Surgeons, Member #112783	2003-Present
Denver Academy of Surgery, Member	2003-Present
Society of Critical Care Medicine, Member #36362	2003-Present
American College of Chest Physicians, Member #228286	2004-Present
American College of Cardiology, Fellow	2004-Present
Heart Failure Society of America	2003-Present
International Society of Heart and Lung Transplantation	2004-Present
The Western Thoracic Surgical Association, Member #48124	2004-Present
OPTN/UNOS National Lung Review Board, Alternate Member	2005-2006
The Society of Thoracic Surgeons Leadership:	
<i>Workforce on Clinical Trials</i>	2004-2007
<i>Workforce on Aging</i>	2006-Present
<i>Workforce on Surgical Treatment of End-Stage Cardiopulmonary Disease</i>	2006-Present

<i>Program Task Force/Planning Committee</i>	2006-2009
<i>Task Force on Quality Initiatives</i>	2008-Present
<i>Workforce on Nomenclature and Coding</i>	2011-Present
<i>Workforce on National Databases</i>	2011-Present
Invited Member Risk Management UCDHSC Sentinel Event Task Force	2006-Present
Expert Witness	2005-Present
American Society of Transplant Surgeons	2006-Present
American Geriatric Society, Member # 079244	
Committee on Aging and Surgical Specialties	2006-Present
Chair, Program Committee for Surg. Specialties	2008-2009
UNOS Region 8 Heart Review Board	2005-Present
Donor Alliance Medical Advisory Board	2007-Present
National Institute on Aging, Invited Panel Member	2007-Present
Medical Advisory Board Essential Pharmaceuticals	2007-Present
Western Thoracic Surgical Association	
Program Committee	2008-Present
Chair, Program Committee	2008-2009
Society of University Surgeons, Member #2006	2008-Present
University of Colorado at Denver School of Medicine	
American Heart Association, Member	2008-Present
UCD Faculty Promotions Committee	2009-Present
RUC Committee Panel (AMA). Requested by the STS to provide testimony regarding CPT codes for VADs. Chicago, IL	April 2009 October 2010
American Association for Thoracic Surgery, Member #48124	May 2009
American College of Cardiology/ACCF Council on Cardiovascular Care for Older Adults	2010- 2013
INTERMAC® (National database) <i>Adverse Events & Adjudication</i> Committee Reviewer	2010-Present
UCD Faculty Professionalism Award Selection Committee	2010-Present
American Medical Association	2011-Present
STS Representative to AMA Physician Consortium for Performance Improvement (PCPI)	2011-Present
Elected member of the Medical Board, University of Colorado Hospital UCD School of Medicine	2011-Present
Professionalism Committee	2011-Present
Thoracic Committee member (national division) for UNOS Region Eight Representative	2011-Present
Editorial Reviewer	
<i>The Annals of Thoracic Surgery</i>	2003-Present
<i>Journal of Thoracic and Cardiovascular Surgery</i>	2004-Present
<i>Diabetes</i>	2001-Present
<i>Heart</i>	2005-Present
<i>Journal American College of Surgeons</i>	2004-Present
<i>Journal American College of Cardiology</i>	2004-Present

<i>Journal of Critical Care</i>	2004-Present
<i>American Journal of Physiology; Heart and Circulatory Physiology</i>	2002-Present
<i>American Heart Journal</i>	2006-Present
<i>Journal of Surgical Research</i>	2005-Present
<i>Circulation</i>	2005-Present
Guidelines Reviewer	
<i>Reviewer, 2011 ACCF/AHA Focused Update of the Guidelines for the Management of Patients with Unstable Angina/NSTEMI</i>	2011
Editorial Board	
<i>Journal of Surgical Research</i>	2008-Present
Abstract Reviewer	
<i>Society of Thoracic Surgeons Annual Meeting</i>	2008-2012
<i>American Transplant Congress Conferences</i>	2009-2010
<i>American Transplant Congress Conferences</i>	2010-2011
Editorial Reviewer	
<i>The Annals of Thoracic Surgery</i>	2003-Present
<i>Journal of Thoracic and Cardiovascular Surgery</i>	2004-Present
<i>Diabetes</i>	2001-Present
<i>Heart</i>	2005-Present
<i>Journal American College of Surgeons</i>	2004-Present
<i>Journal American College of Cardiology</i>	2004-Present
<i>Journal of Critical Care</i>	2004-Present
<i>American Journal of Physiology; Heart and Circulatory Physiology</i>	2002-Present
<i>American Heart Journal</i>	2006-Present
<i>Journal of Surgical Research</i>	2005-Present
<i>Circulation</i>	2005-Present
Editorial Board	
<i>Journal of Surgical Research</i>	2008-Present

Publications:

1. Wilson BE, Meyer GE, **Cleveland JC Jr**, Weigle DS. Identification of candidate genes for a factor regulating body weight in primates. *Am J Physiol* 1990; 259: R1148-R1155.
2. Rowland RT, **Cleveland JC Jr**, Meng X, Harken AH, Brown JM. Potential gene therapy strategies in the treatment of cardiovascular disease. *Ann Thor Surg* 1995; 60: 721-728.
3. Rehring TF, Friese RS, **Cleveland JC Jr**, Gamboni-Robertson F, Banerjee A, Harken AH. Specific isoforms of protein kinase C are associated with limitation of ischemic acidosis in the preconditioned heart. *Surgical Forum* 1995; Vol XLVI: 216-218.

4. Lindenfeld J, Shakar S, Zamora MR, Cook CD, Wolfel EE, Lowes BD, Ireland N, Keller K, Frisk R, Stepien L, **Cleveland JC Jr**, Zolty R. BOOP is common in cardiac transplant recipients switched from a calcineurin inhibitor to sirolimus. *Am J of Transplantation* 2005, Vol 5(issue 6), 1392-1396.
5. **Cleveland JC Jr**, Meldrum DR, Rowland RT, Banerjee A, Harken AH. Optimal myocardial preservation: cooling, cardioplegia, and conditioning. *Ann Thor Surg* 1996; 61: 760-768.
6. Meldrum DR, **Cleveland JC Jr**, Rowland RT, Sheridan BC, Banerjee A, Harken AH. Cardiac surgical implications of calcium dyshomeostasis in the heart. *Ann Thor Surg*, 1996; 61: 1273-1280.
7. **Cleveland JC Jr**, Meldrum DR, Rowland RT, Sheridan BC, Banerjee A, Harken AH. The obligate role of protein kinase C in mediating clinically accessible cardiac preconditioning. *Surgery*, 1996; 120: 345-353.
8. **Cleveland JC Jr**, Wollmering MM, Meldrum DR, Rowland RT, Rehring TF, Sheridan BC, Harken AH, Banerjee A. Ischemic preconditioning in human and rat ventricle. *Am J Physiol* 1996; 271: H1786-H1794.
9. Sheridan BC, McIntyre RC Jr, Meldrum DR, **Cleveland JC Jr**, Agrafojo JA, Eisenach JH, Harken AH, Fullerton DA. Antibody mediated neutrophil depletion preserves pulmonary vasomotor dysfunction. *J Surg Res*, 1996; 62: 74-78.
10. Sheridan BC, McIntyre RC Jr, Meldrum DR, **Cleveland JC Jr**, Agrafojo JA, Banerjee A, Harken AH, Fullerton DA. Microtubules regulate pulmonary vascular smooth muscle contraction. *J Surg Res*, 1996; 62: 284-287.
11. Meldrum DR, **Cleveland JC Jr**, Rowland RT, Banerjee A, Harken AH. Calcium induced inotropy is in part mediated by protein kinase C. *J Surg Res*, 1996; 63: 400-405.
12. Rowland RT, **Cleveland JC Jr**, Meng X, Ao L, Harken AH, Brown JM. A single endotoxin challenge induces delayed myocardial protection against infarction. *J Surg Res*, 1996; 63: 193-198.
13. Sheridan BC, McIntyre RC Jr, Meldrum DR, **Cleveland JC Jr**, Agrafojo JA, Eisenach JH, Fullerton DA. Vinblastine attenuates endotoxin-induced impairment of cGMP-mediated pulmonary vasorelaxation. *Shock*, 1996; 6: 35-38.
14. Meldrum DR, **Cleveland JC Jr**, Mitchell MB, Sheridan BC, Gamboni-Robertson F, Harken AH, Banerjee A. Protein kinase C mediates calcium induced cardioadaptation to ischemia-reperfusion injury. *Am J Physiol*, 1996; 271: R718-R726.

15. Meldrum DR, **Cleveland JC Jr**, Sheridan BC, Rowland RT, Banerjee A, Harken AH. Cardiac preconditioning with calcium: clinically accessible myocardial protection. *J Thorac Cardiovasc Surg* 1996; 112: 778-786.
16. Meng X, **Cleveland JC Jr**, Rowland RT, Mitchell MB, Brown JM, Banerjee A, Harken AH. Norepinephrine – induced sustained myocardial adaptation to ischemia is dependent on alpha – one – adrenoceptors and protein synthesis. *J Mol Cell Cardiol*, 1996; 28: 2017-2025.
17. Rehring TF, Friese RS, **Cleveland JC Jr**, Banerjee A, Harken AH. Alpha-adrenergic preservation of myocardial pH during ischemia is cPKC isoform dependent. *J Surg Res*, 1996; 63: 324-327.
18. Banerjee A, Gamboni-Robertson F, Mitchell MB, Rehring TF, Butler K, **Cleveland JC Jr**, Meldrum DR, Shapiro JI, Meng X. Stress induced cardioadaptation reveals a code linking hormone receptors and spatial redistribution of PKC isoforms. *Ann NY Acad Sci*, 1996; 793: 226-239.
19. Meldrum DR, **Cleveland JC Jr**, Mitchell MB, Rowland RT, Banerjee A, Harken AH. Constructive priming of myocardium against ischemia-reperfusion injury. *Shock*, 1996; 6: 238-242.
20. Meldrum DR, **Cleveland JC Jr**, Sheridan BC, Rowland RT, Banerjee A, Harken AH. Differential effects of adenosine preconditioning on the post-ischemic rat myocardium. *J Surg Res* 1996; 65: 159-164.
21. Fullerton DA, Sheridan BC, Meldrum DR, **Cleveland JC Jr**, Agrafojo J, Harken AH, McIntyre RC Jr. Neutrophils mediate pulmonary vascular smooth muscle dysfunction in acute lung injury. *Surg Forum* 1996; Vol XLVII, 328- 330.
22. Meldrum DR, **Cleveland JC Jr**, Sheridan BC, Banerjee A, Harken AH. The alpha and beta isoforms of protein kinase C mediate the cardiac contractile response to exogenous calcium. *Surg Forum* 1996; Vol XLVII, 300-303
23. **Cleveland JC Jr**, Meldrum DR, Rowland RT, Sheridan BC, Fullerton DA, Butler K, Banerjee A, Harken AH. Adenosine preconditioning of human myocardium is mediated through Potassium-ATP channel activation. *Surg Forum* 1996; Vol XLVII.
24. Meldrum DR, Sheridan BC, **Cleveland JC Jr**, Fullerton DA, Banerjee A, Harken AH. Neutrophils are required for endotoxin-induced myocardial cross tolerance to ischemia-reperfusion. *Arch Surg*, 1996; 131: 1203-1208.
25. Meldrum DR, **Cleveland JC Jr**, Meng X, Sheridan BC, Banerjee A, Harken AH. Hemorrhage induces acute cardioadaptation to ischemia-reperfusion by an alpha-one adrenoceptor mediated, protein synthesis independent mechanism. *Am J Physiol* 1997; 272: R718-R725.

26. **Cleveland JC Jr**, Meldrum DR, Harken AH, Banerjee A. Ischemic preconditioning of human myocardium: protein kinase C mediates a permissive role for alpha-one adrenoceptors (abstract). *Circulation* 1996; 94(supplement I) I-114.
27. Meldrum DR, **Cleveland JC Jr**, Butler KL, Mitchell MB, Gamboni F, Meng X, Banerjee A. Exogenous Calcium stimulated preconditioning of rat hearts is mediated by PKC (abstract). *J Mol Cell Cardiol* 1996; 28: A189.
28. Meldrum DR, **Cleveland JC**, Jr., Fullerton DA, Banerjee A, Harken AH. Neutrophils are required for endotoxin-induced myocardial cross-tolerance to ischemia-reperfusion injury. *Arch Surg* 1996;131:1203-8.
29. Meldrum DR, **Cleveland JC**, Jr., Sheridan BC, Rowland RT, Banerjee A, Harken AH. Cardiac surgical implications of calcium dyshomeostasis in the heart. *Ann Thorac Surg* 1996;61:1273-80.
30. **Cleveland JC, Jr.**, Meldrum DR, Rowland RT, Banerjee A, Harken AH. Preconditioning and hypothermic cardioplegia protect human heart equally against ischemia. *Ann Thorac Surg* 1997;63:147-152.
31. Rehring TF, Bender PR, Cairns CB, Joo K, Friese RS, Shapiro JI, **Cleveland JC, Jr.**, Banerjee A. Different preconditioning stimuli invoke disparate electromechanical and energetic responses to global ischemia in rat hearts. *Can J Physiol Pharmacol* 1997;75:335-342.
32. **Cleveland JC Jr**, Meldrum DR, Rowland RT, Meng X, Gamboni-Robertson F, Banerjee A, Harken AH. Ischemic preconditioning of human myocardium: protein kinase C mediates a permissive role for alpha-one adrenoceptors. *Am J Physiol*, 1997; 273: H902-H908.
33. **Cleveland JC Jr**, Meldrum DR, Cain BS, Banerjee A, Harken AH. Oral sulfonylurea hypoglycemic agents prevent ischemic preconditioning in human myocardium. *Circulation*, 1997; 96: 29-32.
34. Winter CB, **Cleveland JC Jr**, Butler KL, Bensard DD, Mitchell MB, Harken AH, Banerjee A. Facilitative interactions between noradrenergic and purinergic signaling during preconditioning of the rat heart. *J Mol Cell Cardiol*, 1997; 29: 163-173.
35. **Cleveland JC Jr**, Meldrum DR, Rowland RT, Banerjee A, Harken AH. Adenosine preconditioning of human myocardium is dependent upon the ATP-sensitive potassium channel. *J Mol Cell Cardiol*, 1997; 29: 175-182.
36. Meldrum DR, **Cleveland JC Jr**, Meng X, Sheridan BC, Gamboni F, Harken AH, Banerjee A. Protein kinase C isoform diversity in preconditioning. *J Surg Res*, 1997; 69: 183-187.

37. Meldrum DR, **Cleveland JC Jr**, Sheridan BC, Rowland RT, Selzman CH, Banerjee A, Harken AH. Alpha-adrenergic activation of myocardial NF Kappa B during hemorrhage. *J Surg Res*, 1997; 69: 268-276.
38. Rowland RT, Meng X, **Cleveland JC Jr**, Meldrum DR, Harken AH, Brown JM. LPS-induced delayed myocardial adaptation enhances acute preconditioning to optimize post-ischemic cardiac function. *Am J Physiol*, 1997; 272: H2708-H2715.
39. Rehring TF, Bender PR, Cairns CB, Joo K, Friese RS, Shapiro JI, **Cleveland JC Jr**, Banerjee A. Alpha-one adrenergic cardiac preconditioning attenuates ischemic acidosis and promotes proton extrusion in the rat. *Can J Physiol Pharmacol*, 1997; 71: 335-342.
40. Rowland RT, Meng X, **Cleveland JC Jr**, Meldrum DR, Harken AH, Brown JM. Cardioadaptation induced by cyclic ischemic preconditioning is mediated by translational regulation of de novo protein synthesis. *J Surg Res*, 1997; 71: 155-160.
41. Meldrum DR, **Cleveland JC Jr**, Rowland RT, Banerjee A, Harken AH, Meng X. Early and delayed preconditioning: differential mechanisms and additive protection. *Am J Physiol*, 273: H725-H733.
42. Cain BS, Meldrum DR, Selzman CH, **Cleveland JC Jr**, Meng X, Sheridan BC, Banerjee A, Harken AH. Surgical implications of vascular endothelial physiology. *Surgery*, 1997; 122: 516-526.
43. Cain BS, Meldrum DR, Selzman CH, **Cleveland JC Jr**, Banerjee A, Harken AH. The alpha and beta isoforms of PKC mediate the human myocardial contractile response to exogenous calcium. *Surg Forum*, 1997; XLVIII: 335-337.
44. Meldrum DR, **Cleveland JC Jr**, Moore EE, Partrick DA, Banerjee A, Harken AH. Adaptive and maladaptive mechanisms of cellular priming. *Ann Surg*, 1997; 226: 587-598.
45. Meldrum DR, Cain BS, **Cleveland JC Jr**, Meng X, Ayala A, Banerjee A, Harken AH. Adenosine decreases post-ischemic cardiac TNF-alpha production: anti-inflammatory implications for preconditioning and transplantation. *Immunology*, 1997; 92: 472-477.
46. Meldrum DR, Dinarello CA, **Cleveland JC Jr**, Shapiro L, Sheridan BC, Harken AH. P38 MAP Kinase mediates myocardial ischemia-reperfusion injury: improved post-ischemic recovery with SB 203580 (Cytokine Suppressor Anti-Inflammatory Drug; CSAID). *Surg Forum*, 1997; XLVIII.
47. Meldrum DR, McIntyre RC Jr, Sheridan BC, **Cleveland JC Jr**, Fullerton DA, Harken AH. L-arginine decreases alveolar macrophage proinflammatory monokine production during acute lung injury by a nitric oxide synthase-dependent mechanism. *J Trauma*, 1997; 43: 888-893.

48. Meldrum DR, Dinarello CA, Shames BD, **Cleveland JC Jr.**, Cain BS, Banerjee A, Meng X, Harken AH. Ischemic preconditioning decreases postischemic myocardial tumor necrosis factor-alpha production. *Circulation* 1998;98:II214-II219.
49. Meldrum DR, **Cleveland JC Jr.**, Meng X, Cain BS, Banerjee A, Harken AH. Increased myocardial TNF-alpha in a crystalloid perfused model of cardiac ischemia-reperfusion injury. *Ann Thor Surg*, 1998; 65: 439-443.
50. **Cleveland JC Jr.**, Meldrum DR, Cain BS, Banerjee A, Harken AH. Reply to letter to editor: Oral sulfonylurea hypoglycemic agents prevent ischemic preconditioning in human myocardium. *Circulation*, 1998; 97: 1427-1428.
51. Meldrum DR, Dinarello CA, **Cleveland JC Jr.**, Cain BS, Shames BD, Meng X, Harken AH. Hydrogen peroxide induced tumor necrosis factor alpha mediated cardiac injury by a P38 mitogen activated protein kinase dependent mechanism. *Surgery*, 1998; 124: 291-296.
52. Cain BS, Meldrum DR, Joo KS, Wang J, Meng X, **Cleveland JC Jr.**, Banerjee A, Harken AH. Human SERCA2a levels correlate inversely with age and may explain diastolic dysfunction in senescent human myocardium. *JACC*, 1998; 32: 458-467.
53. Rehring TF, Shapiro JI, Cain BS, Meldrum DR, **Cleveland JC Jr.**, Harken AH, Banerjee A. Mechanisms of pH preservation during global ischemia in preconditioned rat hearts: roles for PKC and NHE. *Am J Physiol*, 1998; 275: H805-H813.
54. Meldrum DR, **Cleveland JC Jr.**, Cain BS, Shames BD, Banerjee A, Meng X, Harken AH. Ischemic preconditioning decreases post-ischemic myocardial tumor necrosis factor alpha production: potential ultimate effector mechanism of preconditioning. *Circulation*, 1998; 98(19 suppl): II218-II219.
55. Meldrum DR, Cain BS, Meng X, **Cleveland JC Jr.**, Shames BD, Donahoo KK, Banerjee A, Harken AH. Calcium preconditioning but not ischemic preconditioning bypasses the adenosine triphosphate-dependent potassium (KATP) channel. *J Surg Res*, 1999; 85: 77-82.
56. Cain BS, Meldrum DR, **Cleveland JC Jr.**, Meng X, Banerjee A, Harken AH. Clinical L-type Ca (2+) channel blockade prevents ischemic preconditioning of human myocardium. *J Mol Cell Cardiol* 1999;31:2191-2197.
57. Pomerantz BJ, Joo K, Shames BD, **Cleveland JC Jr.**, Banerjee A, Harken AH. Adenosine preconditioning reduces both pre and post ischemic arrhythmias in human myocardium. *J Surg Res*, 2000; 90: 191-196.

58. Pomerantz BJ, **Cleveland JC Jr**, Garlid K, Banerjee A, Harken AH. Adenosine mediated cardiac preconditioning extends beyond opening of the mitochondrial KATP channel in human myocardium. *J Surg Res* 2000;90:191-196.
59. Rowland RT, **Cleveland JC Jr**, Upadhyia P, Harken AH, Brown JM. Transportation or noise is associated with tolerance to myocardial ischemia and reperfusion injury. *J Surg Res* 2000;89:7-12.
60. Cain BS, Meldrum DR, **Cleveland JC Jr**, Meng X, Banerjee A, Harken AH. L-type calcium channel blockers inhibit myocardial preconditioning. *J Mol Cell Cardiol*, 2000; 32: 861-862.
61. Plomondon ME, **Cleveland JC Jr**, Ludwig S, Grunwald G, Werking DH, Grover FL, Shroyer AL. Impact of off-pump coronary artery bypass graft procedures upon risk-adjusted outcomes at experienced centers. *Ann Thor Surg*, 2001;72:114-119.
62. **Cleveland JC Jr**, O'Brien MM, Shroyer AL, Grover FL. Impact of graft ischemic time on outcomes after lung transplantation. *Ann Thorac Surg* 2000;69:1986.
63. Pomerantz BJ, **Cleveland JC Jr**, Olsen HK, Pomerantz M. Pulmonary resection for multi-drug resistant tuberculosis. *J Thorac Cardiovasc Surg*, 2001;121:448-453.
64. Raeburn CD, **Cleveland JC Jr**, Selzman CH, Harken AH. Preconditioning in myocardial revascularization. *J Card Surg*, 2000, in press.
65. **Cleveland JC Jr**, Raeburn C, Harken AH. Clinical applications of ischemic preconditioning: L from head to toe. *Surgery*, 2001;129:664-667.
66. **Cleveland JC Jr**, Shroyer AL, Chen A, Peterson E, Grover FL. Off-pump coronary artery bypass grafting significantly decreases risk-adjusted mortality and morbidity. *Ann Thor Surg* 2001;72:1282-1289.
67. Grover FL, Shroyer AL, **Cleveland JC Jr**, Hammermeister K. A decade's experience with quality improvement in cardiac surgery using the Veterans Affairs and Society of Thoracic Surgeons national databases. *Ann Surg* 2001;234:464-472.
68. Plomondon ME, **Cleveland JC Jr**, Shann LT, Grunwald GK, Kiefe CI, Grover FL, Shroyer AL. Off-pump coronary artery bypass is associated with improved risk-adjusted outcomes. *Ann Thor Surg*, 2001;72:114-119.
69. Raeburn CD, **Cleveland JC Jr**, Zimmerman MA, Harken AH. Organ preconditioning. *Archives of Surgery* 2001;136:1263-1266.
70. Grover FL, **Cleveland JC Jr**, Shroyer LW. Quality Improvement in Cardiac Care. *Archives of Surgery* 2002;137:28-36.

71. Asano K, Bohlmeier T, Westcott JY, Zisman LS, Kinugawa K, Good, M Minobe WA, Roden RL, Wolfel EE, Lindenfeld J, Port DJ, Perryman MB, **Cleveland J**, Lowes BD, Bristow MR. Altered expression of endothelin receptors in failing human left ventricles. *Journal of Molecular and Cellular Cardiology* 2002;34:833-46.
72. Stefka J, **Cleveland JC**, Lucia S, Singh M. Sarcomatoid intracardiac metastasis of a testicular germ cell tumor closely resembling primary cardiac sarcoma. Case Study. *Human Path* 2003;34(10)1074-1077.
73. Grazia TJ, Hodges TN, **Cleveland JC**, Sheridan BC, Zamora MR. Lobar torsion complicating bilateral lung transplantation. *J Heart Lung Transplant* 2003;22(1)102-6.
74. Gardner SC, Grunwald GK, Rumsfeld JS, **Cleveland JC** Kr. Dexiang G, Grover FL, McDonald GO, Shroyer, L. Comparison of short-term mortality risk factors for valve replacement versus coronary artery bypass graft surgery. *Ann Thorac Surg* 2004;77:549-56.
75. Meldrum DR, Partrick DA, **Cleveland JC Jr**, Shenkar R, Medrum KK, Raiesdana A, Ayala A, Brown JW, Harken AH. On-pump coronary artery bypass surgery activates human myocardial NF-kappa β and increases TNF-alpha in the heart. *J Surg Res* 2003;112(2)175-179.
76. Knaut AL, **Cleveland JC Jr**. Aortic Emergencies. *Emergency Medicine Clinics of North America* 2003;21(4):817-45.
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reverse patterns of fetal gene expression despite beta blockers. J Heart Lung Transplantation 2007;26:1170-6. .

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117. Weitzel NS, Edelstein SB, **Cleveland JC Jr**, Cornelissen CB. Drug-Eluting Stents in the Perioperative Period: What Are the Key Aspects in Management? *Semin Cardiothorac Vasc Anesth*. 2011 June 30.

Book Chapters:

1. **Cleveland JC Jr**, Harken AH. Coronary Artery Disease. In *Surgical Secrets*, 3rd Edition, Harken AH, Moore EE, eds., Hanley and Belfus, Inc., Phila, PA, 1996.
2. **Cleveland JC Jr**, Harken AH. Rational Strategies in the Management of the Surgical Treatment of Ventricular Tachyarrhythmias. In *Mastery of Cardiothoracic Surgery*, 1st Edition, Kaiser LR, Kron IL, Spray TL, eds., Lippencott-Raven, Phila, PA 1998.
3. **Cleveland JC Jr**. Coronary Artery Disease. In *Surgical Secrets*, 4th Edition, Harken AH, Moore EE, eds., Hanley and Belfus Inc., Phila, PA, 1999.
4. Pomerantz BJ, **Cleveland JC Jr**, Pomerantz M. The Schede and Modern Thoracoplasty. In *Operative Techniques in Cardiovascular and Thoracic Surgery*. W. B. Saunders Company. Vol 5, No2, 2000:pp128-134.
5. **Cleveland JC Jr.**, Grover FL. Prophylaxis against atrial fibrillation following open heart surgery. In *Advanced Therapy in Cardiac Surgery*, 2e. Franco & Verrier eds., BC Decker, Hamilton, ON Canada, pending May 2002.
6. **Cleveland JC Jr**, Zamora MR, Grover FL. Complications Following Lung Transplantation. In :Yang SC, Cameron DE, ed *Current Therapy in Thoracic and Cardiovascular Surgery* . Baltimore, MD: Mosby 2004.
7. **Cleveland JC Jr**. Coronary artery disease. In *Surgical Secrets*, 5th Edition, Harken, Moore EE, eds Hanley and Belfus Inc., Phila PA, 2003.

8. **Cleveland JC Jr.** Ascending aortic dissection. In Treatment Strategies in Cardiovascular Disease. Teaching Publication for national hand held computer program. June 2003
9. **Cleveland JC Jr.** Thoracic aortic aneurysm. In Treatment Strategies in Cardiovascular Disease. Teaching publication for national hand held computer program. June 2003.
10. **Cleveland JC Jr.,** Mitchell JD, Grover FL. Databases and Clinical Outcomes: The General Thoracic Surgery Database. In: Franco KL, Putman JB, editors. Advanced Therapy in Thoracic Surgery 2nd ed. Hamilton, Ontario: BC Decker, Inc.; May 2005.
11. **Cleveland JC Jr.**, Francalancia NA. Geriatric Cardiac Surgery . In: New Frontiers in Geriatric Research; An agenda for surgical and related medical specialties. eds. David H Soloman, Associate eds Joseph LoCicero III, Ronnie N Rosenthal. Submitted Aug 2006
12. **Cleveland JC Jr.**, Shroyer LA, Grover FL. Cardiac Surgical Databases. In: Mastery of Cardiothoracic Surgery, Second Edition, Kaiser LR, Kron IL and Spray TL eds. Philadelphia: Lippincott Williams and Wilkins. October 2006.
13. **Cleveland JC Jr.,** Coronary Artery Disease. In: Abernathy's Surgical Secrets, 6th Edition, Harken AH, Moore EE, eds. Mosby Elsevier. 2009
14. **Cleveland JC Jr.,** Grover FL. Thrombosis and Thromboembolism of Prosthetic Cardiac Valves and Extracardiac Prostheses. In: Sabiston & Spencer Surgery of the Chest, 8th ed. Sellke FW, del Nido PJ, Swanson SJ, editors. Philadelphia, Pennsylvania: chpt 82, 2010.
15. **Cleveland JC Jr.,** Preoperative Evaluation and Preparation in the Elderly Cardiac Surgery Patient. In: Cardiothoracic Surgery in the Elderly. Mark Katlic ed. Publisher: Springer Science + Business Media, Inc., 2010.

National Presentations

1. Diuretics in the Management of Acute Renal Failure. Presented at Horizons in Surgery, Breckenridge, Colorado, March 1994
2. Prevention of Sodium Accumulation Mediates Alpha-one Adrenergic Myocardial Preconditioning. Presented at the Society of University Surgeons Thirty-Seventh Annual University Surgical Residents' Conference, Denver , Colorado, February 1995
3. The Ross procedure (pulmonary autograft) International registry: The first 18 months result. Changing demographics and outcomes. Discussant at the AATS April 24, 1995, Boston, MA.
4. PKC Dependent Sodium-Hydrogen Exchange Mediates Alpha-one Adrenergic Stimulated Preservation of Ischemic PH. Presented at The American Heart Association 68th Scientific Session, Anaheim, California, November 1996

5. The Obligate Role of Protein Kinase C in Mediating Clinically Accessible Cardiac Preconditioning. Presented at the 57th Annual Society of University Surgeons Meeting, Washington, D.C., February 1996
6. Stress Ulcers in 1996: Is Prophylaxis Still Warranted? Presented at Horizons in Surgery, Breckenridge, Colorado, March 1996
7. Optimal Myocardial Protection: Cooling, Cardioplegia, and Conditioning. Presented at The Rocky VI Frontiers in Valvular Surgery, Missoula, Montana, August 1996
8. Adenosine Preconditioning of Human Myocardium is Mediated Through KATP Channel Activation. Presented at the 82nd Clinical Congress Surgical Forum, American College of Surgeons, San Francisco, California, October 1996
9. Ischemic Preconditioning of Human Myocardium: Protein Kinase C Mediates a Permissive Role for Alpha-one Adrenoceptors. Presented at the American Heart Association 69th Annual Scientific Sessions, New Orleans, Louisiana, November 1996
10. Adenosine Receptor Stimulation Optimizes Preconditioning in Human Myocardium. Presented at the Society of University Surgeons 39th Annual University Surgical Residents' Conference, Tampa, Florida, February 1997
11. Is Surgery for Peptic Ulcer Disease Obsolete in 1997? Presented at Horizons in Surgery, Breckenridge, Colorado, March 1997
12. Treatment of Acute Variceal Hemorrhage: TIPS vs. Endoscopic Therapy or Surgical Shunts. Presented at Horizons in Surgery, Breckenridge, Colorado, March 1998
13. Off-Pump Coronary Artery Bypass Grafting Significantly Decreases Mortality and Morbidity. Presented at the 47th Annual Southern Thoracic Surgical Association, Marco Island, Florida, November 2000
14. Myocardial Hibernation. Presented at the Society of Critical Care medicine's 31st Critical Care Congress, San Diego, CA January 2002.
15. Preoperative Cardiopulmonary Work-up? What's Really Needed? Presented at Horizons in Surgery, Breckenridge, Colorado, March 2002.
16. On vs Off Pump Open Heart Surgery. Presented for Out Reach Program, Community Hospital, Grand Junction, CO July 25, 2002.
17. Cardiac Assist Devices and Cardiac Transplantation. Visiting Professor University of South Carolina, Oct 15, 2002.

18. Ascending Aortic Dissection with Involvement of SMA/Renal Arteries. Presented for COBE Carbomedic Summit Seminar, March 5, 2004
19. On vs Off Pump CABG: Who and Why invited speaker for the American Heart Association's 72nd Annual Fall Symposium, UCLA, Los Angeles, CA, Oct 2, 2004.
20. Poster Presentation at the American Geriatrics Society Annual Meeting, Orlando, FL, May 12, 2005
21. Invited speaker by the American College of Surgeons for the 91st Annual Clinical Congress, Thoracic Transplantation, San Francisco, CA October 2005.
22. Invited Poster Presentation at the Hartford Interdisciplinary Scholars Conference. Chicago, IL, July 11-13, 2005
23. 5th Vail Conference Cardiothoracic Transplantation 2005: An International Update. Guest moderator, Vail, CO. March 16, 2005.
24. Invited speaker, Infected LVAD followed by Heart Transplantation. Sorin Group At the Heart of Medical Technology Keystone, Colorado, March 17, 18, 2005
25. Invited speaker "Thoracic Transplantation" at the 91st Annual Clinical Congress, October 18, 2005, San Francisco, CA
26. Invited speaker. Cardiogenic shock: The hidden surprises that provide challenges, presented at COBE Carbomedic Summit Seminar, Keystone, CO March 10, 2006
27. Poster presentation American Geriatric Annual Meeting, Chicago, IL May 3-5, 2006
28. Invited discussant at the American College of Surgeons Forum on Fundamental Surgical Problems. October 11, 2006 Chicago, Illinois.
29. Moderator at the Society of Thoracic Surgeons 43rd Annual meeting. Parallel Surgical Forum II: Adult Cardiac II. San Diego, CA, January 29, 2007.
30. Invited panel discussant. American Society of Transplantation (AST) Winter Symposium. Phoenix, Arizona February 15-18, 2007
31. 6th Vail Cardiothoracic Transplantation An International Update (Co-Director) Moderator March 19, 20, 2007 Vail, Colorado.
32. Invited Expert Panel Member for the "Developing Quality Indicators to Improve the Care in Elderly Surgery Patients" National Institute on Aging panel discussion, April 26, 2007, Los Angeles, CA.

33. Guest moderator/poster presentation American Geriatric Society (Jahnigan) May 4, 2007, Seattle, WA
34. Invited panel member for the “Developing Quality Indicators to Improve the Care in Elderly Surgery Patients” NIA (National Institute on Aging) panel discussion April 26, 2007, Los Angeles, CA
35. Guest moderator/poster presentation, American Geriatric Society, May 4, 2007, Seattle, WA.
36. Pre-Transplant LVAD Does Not Adversely Affect One-Year Cardiac Transplant Survival. Presentation at WTSA 33rd Annual Meeting, Santa Ana, New Mexico 6/30/07
37. STS Program Planning Committee Meeting, August 17, 2007, Chicago, IL.
38. STS Legislative Advocacy Workshop, Washington DC, September 30, 2007.
39. Why would you implant a ventricular assist device? Invited speaker International Transplant Nurses Society, October 4, 2007, Denver, CO.
40. Surgical Treatment of End-Stage Heart Disease. American College of Surgeons, Invited Presenter/Moderator, Oct 8, 2007, New Orleans, LA
41. Poster presentation at AATS Heart Failure Course, Cleveland Clinic, Cleveland, OH 10/29/2007.
42. Advisory Board Meeting, Essential Pharmaceuticals, Draft protocol for randomized trial for cardioplegic solution. Oct 2007, Philadelphia, PA.
43. Scholars Leadership Committee, American Geriatric Society, Fort Lauderdale, FL January 11, 2008
44. STS Leadership Workforce, invited moderator, Fort Lauderdale, Florida, January 25-30, 2008.
45. American Geriatric Society Council Retreat, Invited Speaker, Redondo Beach, CA, Feb 1-3, 2008
46. Program Committee, Western Thoracic Surgical Association, Seattle, Washington February 8-9, 2008.
47. Invited Consultant for Sildenafil, New York, NY February 14, 15, 2008.
48. Council Member/participant at the Section for Surgical and Related Medical Specialties Council Retreat; American Geriatric Society, Redondo Beach, CA. Feb 1-3, 2008

49. Council member/participant The AGS/John A. Hartford Foundation Project Council meeting Washington D.C. May 2, 3, 2008
50. Poster presentation “The Failure of Reverse Remodeling Following LVAD Placement: Discordance between Gene Expression and Ventricular Function”. The Heart Failure Society, Toronto, Canada, September 20, 2008.
51. Invited speaker “Mechanical circulatory support for the failing heart”. American College of Surgeons; San Francisco, CA October 10, 11, 2008.
52. Fixing a broken heart with VAD’s Invited lecturer for the Duke Thoracic Resident Symposium at the STS meeting San Francisco, January 24, 2009.
53. Invited moderator for the parallel sessions at the 45th Annual STS Meeting in San Francisco, January 26, 2009.
54. Devices for the Treatment of Heart Failure, presented at the 38th Annual Society of Critical Care Congress, Nashville, TN, February 3, 2009.
55. Ventricular Assist Devices, presented at the 4th Annual Academic Surgical Congress, Sanibel Harbour Resort, Fort Meyers, Fl, Feb 5, 2009.
56. AMA Editorial Panel. Requested by the STS to sit as an expert regarding codes for VAD’s. Phoenix, AZ Feb 6, 2009.
57. Short and Long Term Approaches to Ventricular Assist Devices. Presentation at the Beaumont Hospital Beaver Creek Cardiovascular Conference. February 12, 2009.
58. Case presentation on LVADs. Sorin Mortality Conference, September 9-12, 2010, Washington DC.
59. AMA RUC panel. Testimony regarding VADs, Feb 2-6, 2011, Naples, Florida.
60. “Of Man and Machines – What to do when weaning from CPB fails”. Invited speaker at Society of Cardiovascular Anesthesia Annual Meeting, May 3, 2011, Savannah, GA.

Guest Moderator National Conferences

1. Society of Thoracic Surgeons Workforce, Ft. Lauderdale, FL, January 25, 2008
2. Society of Thoracic Surgeons 45th Annual Meeting, San Francisco, CA January 24, 2009
3. Society of Critical Care Congress Annual Meeting. Nashville, TN February 3, 2009
4. American Transplant Congress, Boston, MA May 2009
5. Western Thoracic Surgical Association 35th Annual Meeting, June 2009
6. Moderator, 8th Vail Cardiothoracic Transplantation: An International Update, Vail CO, Jan 2011.

Local Presentations/Lectures/Mentor:

1. Non-Surgical Options in the Management of Chronic Pancreatitis. Presented at Surgical Grand Rounds, University of Colorado, September 1992
2. Percutaneous Transluminal Coronary Angioplasty is Preferred for the Management of Unstable Angina. Presented at Surgical Grand Rounds, University of Colorado, May 1993
3. Diuretics in the Management of Acute Renal Failure. Presented at Surgical Grand Rounds, University of Colorado, October 1993
4. Optimal Management of Flail Chest Does Not Require Mechanical Ventilation. Presented at Surgical Grand Rounds, University of Colorado, May 1994
5. Bacterial Translocation is Clinically Relevant. Presented at Surgical Grand Rounds, University of Colorado, August 1994
6. Surgery for Morbid Obesity is Unnecessary and Ineffective in Maintaining Weight Loss. Presented at Surgical Grand Rounds, University of Colorado, February 1995
7. Abdominal Aortic Rupture Following Blunt Trauma. Presented at the Colorado Chapter of the American College of Surgeons, Breckenridge, Colorado, June 1995
8. Stress Ulcers in 1996: Is Prophylaxis Still Warranted? Presented at Surgical Grand Rounds, University of Colorado, November 1995
9. Clinically Accessible Modulation of the Injury Response. Presented at the Colorado Chapter of the American College of Surgeons, Breckenridge, Colorado, June 1996
10. Is Surgery for Peptic Ulcer Disease Obsolete in 1996? Presented at Surgical Grand Rounds, University of Colorado, August 1996
11. Oral Hypoglycemic Agents Prevent Ischemic Preconditioning in Human Myocardium. Presented at the Colorado Chapter of the American College of Surgeons, Breckenridge, Colorado, June 1997
12. Treatment of Acute Variceal Hemorrhage: TIPS vs. Endoscopic Therapy or Surgical Shunts. Presented at Surgical Grand Rounds, University of Colorado, October 1997
13. The Epidemic of Blunt Carotid Arterial Injuries: Aggressive Screening Improves Neurological Outcomes. Presented at the Colorado Chapter of the American College of Surgeons, Breckenridge, Colorado, June 1998
14. Minimally Invasive Coronary Artery Surgery: The Challenge of the Future. Presented at Surgical Grand Rounds, University of Colorado, April 1999

15. Minimally Invasive Cardiac Surgery: Teaching an Old Dog New Tricks. Presented at Aspen Valley Hospital Grand Rounds, Aspen Colorado, February 2000
16. Update on Cardiac Surgery. Presented at Surgical Grand Rounds, University of Colorado, April 2000
17. Transmyocardial Laser Revascularization: New Blood Vessels or Giant Placebo? Presented at Surgical Grand Rounds, University of Colorado, August 2000
18. Thoracic Anatomy: Clinical Relevance for Medical Students. Presented to the 1st year Medical Student Anatomy Lecture Series, University of Colorado, September 2000
19. Physical Exam and Correlates of the Thorax. Presented to 1st year Medical Student CSBI 5000 Human Anatomy Lecture Series, University of Colorado, Oct 16, 2001.
20. Left Ventricular Assist Devices. Presented at the Cardiac Catheterization Conference, University of Colorado Health Sciences Center, Oct 30, 2001
21. Perfusion Techniques: Surgical Techniques On and Off Pump. Presented at the SICU Nurses Luncheon at Denver Veterans Administration Medical Center, December 17, 2001.
22. Mentor to a Pre-Med student from Hastings College, NE for a credited, extra curricular, six-week Internship. January/February 2002.
23. Mechanical Assist Devices. Presented at the Academic Lecture, Department of Anesthesiology, UCHSC, February 6, 2002.
24. New technology assessment – surgical procedures. Implementing clinical knowledge gained from evidence-based medicine”. Lecture for students in CLSC 6700 “Evidence Based Medicine” class. Presented March 28, 2002.
25. On and off pump coronary artery bypass and VA CSP #517. Presented to the VA SICU nurses/heart orientation, April 15, 2002.
26. Bi-Ventricular Support System Training Seminar. Presented for regional cardiothoracic surgeons and their support staff. Sponsored by Abiomed biventricular support system, April 24, 2002.
27. On vs off pump open heart surgery. Presented at the University of Colorado School of Medicine Surgical Society, April 24, 2002.
28. Postgraduate Physiology Course Clinical Correlates.
29. Guest speaker for UCHSC Outreach Program. “On vs off pump coronary bypass” presented at Community Hospital, Grand Junction, CO, July 26, 2002

30. Guest speaker for Rocky Mnt Thoracic & Cardiovascular Surgical Society “Techniques and Outcomes for Ischemic MVR” September 5, 2002
31. “Minimally invasive CABG” Invited speaker for VA Medical Services Journal Club. September 6, 2002
32. “Examination of Thorax” Lecture incoming freshmen UCHSC October 16, 2002.
33. “Postoperative Cardiac Surgical Management” Lecture VA ICU nurses, October 29, 2002
34. “VADS” Lecture for Cardiology Grand Rounds, UCHSC, January 21, 2003.
35. “New Surgical Strategies, on vs off pump heart surgery” Lecture Evidence Based Medicine Class, UCHSC, April 28, 2003.
36. “Cardiac Surgery” Lecture for Advanced Medical Surgical Nursing Concepts Course (a CME course for nurses) presented at UCHSC July 30, 2003
37. A meta-analysis of randomized controlled trials comparing coronary artery bypass graft with percutaneous transluminal coronary angioplasty. Faculty discussant for Cardiology Grand Rounds, UCHSC, May 19, 2003.
38. On vs Off Pump. Lecture for CME accredited Critical Care Course, UCHSC, August, 2003.
39. Who’s Coming for Surgery. Grand Rounds, University of CO Health Sciences Center, January 2004.
40. Heart Valve Surgery. Invited speaker for Surgical Society, March 8, 2004.
41. Mitral Valve Surgery, when to repair, when to replace. Invited speaker Anesthesiology Grand Rounds, UCHSC, March 15, 2004
42. Aortic Valve Surgery: Is Repair Possible? Invited speaker Grand Rounds, UCHSC, March 29, 2004
43. On Pump vs Off Pump CABG. Lecture, Evidence Based Medicine Class, UCHSC April 12, 2004.
44. Mentor/Preceptor in the Foundations of Doctoring Program. 1:1 mentoring premed student 3 Thurs afternoons each month from Sept 2003 to May 31, 2004.
45. Transplantation invited speaker for Anesthesia Grand Rounds, UCHSC 6/14/04.

46. Cardiothoracic Surgery Lecture Evidence Based Medicine Class CSP 517, UCHSC, 7/12/04.
47. Invited speaker Heart Institute, LVAD and Pediatric Application on Mechanical Circulatory Support, Denver, CO November 29, 2004
48. Lecture on VAD's to Critical Care Nurse Conference, University Hospital, November 8, 2004.
49. Invited speaker Cardiology J Club, Canyon Club Cherry Creek, Denver, CO January 26, 2005.
50. Invited speaker Fellows Symposium Sponsored by Guidant talk on VADS at the Teatro, Hotel Denver, CO February 2005.
51. SICU Class CC332 Critical Care talk on Cardiac Surgical Procedures, March 7, 2005
52. Cardiothoracic Surgery Lecture Evidence Based Medicine Class CSP 517, UCHSC, 4/18/05.
53. Anesthesia Grand Rounds, University of Colorado Health Sciences Center, Heart Transplantation an Update, January 9, 2006
54. Age related changes in Human Cytokine production during cardiac surgical procedures. Presented Geriatric Research Conference, University of Colorado Health Sciences Center, Denver, CO February 23, 2006
55. Invited speaker Keystone Summit Seminar, Keystone, CO, March 9-11, 2006
56. Artificial heart and transplant capabilities. Invited interview with Jeanne Davant from MD News. March 2006.
57. Invited speaker St. Joseph Hospital for Outreach Program. LVAD's What you should know. December 6, 2006.
58. Invited speaker Cardiology Grand Rounds, University of Colorado Health Sciences Center, LVAD's. December 12, 2006.
59. Invited speaker Geriatric Grand Rounds, University of Colorado Health Sciences Center, Denver, CO. Old People and Heart Surgery., December 14, 2006.
60. Anesthesia Grand Rounds, University of Colorado Health Sciences Center, Denver, CO. LVAD's and Anesthesia. December 18, 2006
61. LVAD's, University of Colorado Hospital Intensive Care Nurses, Denver, CO November 2007.

62. "Cardiothoracic Surgical Procedures 2008" VA Surgical Intensive Care Nurses, Denver, CO February 2008.
63. "Mechanical Circulatory Support; Old dogs, new tricks". Outreach Presentation, Brown Palace Hotel, Denver, CO Sept 11, 2008.
64. Mechanical Circulatory Support for End Stage Heart Failure: Old dogs and new tricks. Heart Center of the Rockies Cardiology 2008; Fort Collins, CO Oct 10, 2008.
65. URN site visit, Guest speaker on VAD's and Transplants, University of Colorado Denver. Nov 3, 2008.
66. "Ventricular Assistance for the Failing Heart: Old Dogs and New Tricks". Grand Rounds, UCD, Aurora, CO. November 17, 2008.
67. "Fixing a Broken Heart, Cardiac Transplantation 2009". Invited guest speaker for Kaiser Grand Rounds, St. Joseph Hospital, Denver, CO June 5, 2009.
68. "New ventricular assist devices and their role in the management of heart failure" Anesthesiology Grand Rounds, University of Colorado Denver, June 7, 2010
69. Moderator/Presenter Cardiothoracic Fellows Educational Symposium. St. Julien Boulder Hotel, Boulder, CO September 17-18, 2010.