

## CURRICULUM VITAE

**NAME:** ROSEMARY KOZAR, M.D., PH.D.

**PRESENT TITLE:** Professor of Surgery  
James "Red" Duke Distinguished Professor in Surgery

**ADDRESS:** University of Texas-Houston Medical School  
Department of Surgery  
6431 Fannin, Suite 4.284  
Houston, Texas 77030  
Telephone: (713) 500-7244  
Fax: (713) 500-7268  
Email: [Rosemary.A.Kozar@uth.tmc.edu](mailto:Rosemary.A.Kozar@uth.tmc.edu)

### UNDERGRADUATE EDUCATION:

1976-1980 B.S., Rehabilitation, Indiana University of PA,  
Indiana, PA

1980-1982 Post-baccalaureate, Pre-med, University of Pittsburgh,  
Pittsburgh, PA

### GRADUATE EDUCATION:

1982-1986 M.D., Temple University School of Medicine. Philadelphia,  
PA

1988-1992 Ph.D., Molecular Physiology and Biophysics, Baylor  
College of Medicine, Houston, Texas

### POST-GRADUATE TRAINING:

1986-1988 Surgery Resident, University of Texas School of Medicine  
Houston, Texas

1992-1995 Surgery Resident, Temple University School of Medicine,  
Philadelphia, PA

1999-2000 Surgical Critical Care Fellowship  
University of Texas - School of Medicine, Houston, TX

**ACADEMIC APPOINTMENTS:**

1988-1992 Research Associate, Department of Medicine,  
Baylor College of Medicine, Houston, TX

1995-1996 Instructor of Surgery, MCP Hahnemann University  
Philadelphia, PA, Chairman, Joel Roslyn

1996-1999 Assistant Professor of Surgery, MCP Hahnemann  
University, Philadelphia, PA

January to May 1999 Interim Director of Trauma and Critical Care  
Hahnemann University Hospital  
Philadelphia, PA

1999- 2003 Assistant Professor of Surgery, University of Texas -  
School of Medicine, Houston, TX

August 2001-present Regular Faculty Member of the Graduate School of  
Biomedical Sciences, University of Texas-Houston School  
of Medicine, Houston, TX

2003 –2008 Associate Professor of Surgery, University of Texas-  
School of Medicine, Houston, TX

2006-present Director of Trauma  
Memorial Hermann Hospital  
Houston, TX

2008- present Professor of Surgery with tenure

**HOSPITAL APPOINTMENTS:**

1995-1999 Hahnemann University Hospital  
Broad and Vine  
Philadelphia, PA 19102

1995-1999 Medical College of Pennsylvania  
3300 Henry Avenue

Philadelphia, PA 19129

1999-present  
Memorial Hermann Hospital  
6411 Fannin  
Houston, TX 77030

1999-2003  
Lyndon B. Johnson General Hospital  
Harris County Hospital District  
Houston, TX 77030

**LICENSURE:**

1990  
Medical Physician and Surgeon, Commonwealth of PA  
Certificate #MD-039690-E

1999  
Texas  
License #H4102

**BOARD CERTIFICATION:**

1996  
American Board of Surgery, Recertification 2006

2000  
Certificate of Added Qualifications in Surgical Critical  
Care

**PROFESSIONAL ORGANIZATIONS (National):**

1990  
Initiate, American College of Surgeons

1991  
Association of Academic Surgeons

1995  
Association of Women Surgeons

1998  
Fellow, American College of Surgeons

1998  
Society of Critical Care Medicine

1999  
American Society of Parenteral and Enteral Nutrition

2000  
Shock Society

2002	Society of University Surgeons
2004	Western Trauma Association
2004	American Association for the Surgery of Trauma
2006	American Physiology Society

**PROFESSIONAL ORGANIZATIONS: COMMITTEES/POSITIONS**

2002	Councilor for the Association of Women Surgeons
2002	Education Committee, Association of Academic Surgeons
2003	Education Committee, Society of University Surgeons
2003	Chair of Education Committee, Association of Academic Surgeons
2004	Chair of Membership Committee, Association of Women Surgeons
2005	American College of Surgeons-South Texas Chapter Representative for the Association of Women Surgeons
2005-2007	Chair, Education Committee and Executive Council, Society of University Surgeons
2005-present	Member of the American College of Surgeons Resident Curriculum Steering Committee
2005	Co-chair, Symposium on Health and Career Disparities. Shock Society's 29 <sup>th</sup> Annual Meeting
2005-2007	Secretary, Association of Women Surgeons
2006-2007	AAST-ACS-NIGMS Scholarship Committee
2006-present	Expert Panel Member for the Texas State Medical Board

2007-present	American College of Surgeons Planning Committee for General Surgery Review Course
2007-present	Community Editor for Women's Issues American College of Surgeons
2007	Research Host for Frontiers in Physiology Research Fellowship; American Physiology Society
2007-present	Shock Society Rules Committee
2007-present	Vice President, Association of Women Surgeons
2007-present	AAST Multi-institutional Trials Committee
2008-present	American College of Surgeons Regional Committee on Trauma
2008-present	Western Trauma Association Publication Committee
2008-present	American Board of Surgery Examination Consultant
2008-present	Western Trauma Association Board of Directors
2008-present	Consultant for ASITE Exam, American Board of Surgery
2008-2009	Association of Women Surgeons, President Elect
2009-present	Association of Women Surgeons, President
2009-present	The American Association for the Surgery of Trauma; Branding and Identity Committee
2009-present	Advisory Board member for Covidien's Women in Surgery Platform
2009-present	American College of Surgeons, Committee on Women

**HONORS AND AWARDS:**

2010	C. Frank Webber Prize for Student Research, First Place, University of Texas-Houston, Research Mentor for Ryan Brown, medical student
2008	T.R.U.E. Research Foundation Endowment Award

2008	James “Red” Duke Distinguished Professorship in Surgery
2006-2007	Master Teacher Research Award, University of Texas Houston
2005	Dean’s Teaching Excellence Award, University of Texas- Houston
2005-2006	Master Teachers Research Award, University of Texas- Houston
2004	Dean’s Teaching Excellence Award, University of Texas- Houston
2005	Research Mentor for the winner of the Dr. Edward S. Reynolds Memorial Award in Pathology, Adam Childs, Medical student, at the 46th Annual National Student Research Forum in Galveston, TX April 2005.
2004	Research Mentor for Alpha Omega Alpha Student Research Fellowship recipient, Keith Gates, Medical student at the University of Texas-Houston
2003	Dean’s Teaching Excellence Award, University Of Texas-Houston
2002	Dean’s Teaching Excellence Award, University Of Texas-Houston
2002	Career Development Award (K08). NIH. Gut Ischemia/Reperfusion Injury is Modulated by Enteral Nutrients.
2002	C. Frank Webber Prize for Student Research, Third Place, University of Texas-Houston, Research Mentor for Craig Messick, medical student.
1998	Mary Dewitt Petit Research Fellowship. Medical College of Pennsylvania Alumnae/i Association, Philadelphia, PA
1994	Delaware Valley Vascular Society Residents Competition,

First Prize, Philadelphia, PA

1990 Career Development Award (NRSA). NIH. Free radical-induced alterations in endothelial cell function.

1986 The Doctor Herman Brown Award for Excellence in the Study of the Art and Science of Surgery, Temple University School of Medicine, Philadelphia, PA

1985 Boehringer Ingelheim National Pharmacology Award Temple University School of Medicine, Philadelphia, PA

## **EDITORIAL POSITIONS**

2006 -present Journal of Surgical Research

2003-2004 and 2006-present American Journal of Surgery

2007-present JPEN

Regular reviewer 2006-present: Critical Care Medicine and 2009-present: Journal of Trauma  
*Ad hoc* reviewer for JPEN, Nutrition, Surgery, Clinical Gastroenterology, Surgery

2008-present Section editor, Up to Date

## **STUDY SECTIONS**

Special Emphasis Panel, NIGMS. August 2007, ad hoc reviewer  
 American Heart Association Peer Review Committee February 2008-present

## **SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON MEDICAL SCHOOL COMMITTEES:**

Animal Welfare Committee 2001-2005  
 Educational Advisory Committee, Dept of Surgery 2000-  
 Director, Surgical Resident's Basic Science Course 2000-  
 Faculty Interviewer for Prospective Medical Students 2000-  
 Invited speaker at the Freshman Medical Student Retreat,  
 "Marriage and Medicine" August 2002.

Master Advisor for 1st year Medical Students 2002-2006  
Judge for 2002, 2003, 2004, 2005 Medical Student  
Research Forum at the University of Texas, Houston  
Faculty participant in Robert Wood Johnson Summer  
Medical and Dental Education Program for Minority  
Students summer 2006, mentor and lecturer

## **SERVICE ON GRADUATE SCHOOL COMMITTEES**

Thesis Committee for MD, PhD Student  
Judge, 2004 Graduate Student Research Forum  
Judge, 2005 Graduate Student Research Forum  
MD/ PhD Committee 2004 - 2007

## **SERVICE TO THE HOUSTON COMMUNITY**

Instructor for Advanced Trauma Life Support since 1986

Volunteer Physician, Casa Maria Medical Clinic  
Houston, Texas 1988-1992

First Aide Instructor for Cub Scouts, Houston, TX  
November 2000.

Invited Speaker: "Women Are Surgeons"  
Spring Woods Senior High School, Spring Branch School  
District, Houston, TX, April 2001  
High Tower High School, Fort Bend School District,  
Houston, TX, May 2001

Science Fair Judge, T.H. Rogers Middle School, 2002

Featured on "Women Docs" Lifetime Channel,  
January 20, 2002.

Invited Speaker: "Women in Medicine"  
AMWA: Baylor College of Medicine, Houston, TX  
2002 and University of Texas-Houston 2003

Invited Speaker: "Women in Medicine and Science"  
Pershing Middle School Girls Math and Science Club 2004

Speaker, Student Surgical Association and AMWA 2004

Judge for the 46<sup>th</sup> Annual National Student Research Forum, Galveston, TX April 2005

Sponsor for Pershing Middle School field trip to Herman Hospital, April 2005

Invited Speaker: “Women in Surgery” AMWA University of Texas- Houston January 2006, November 2007, September 2008

Invited Speaker “How to find a balance between lab work, personal life, and academics through the MD/PhD program, residency, fellowship, and beyond.” MD/PhD Career Development Workshop. Baylor College of Medicine, The University of Texas – Houston, and The University of Texas MD Anderson Cancer Center, January 2010

Invited Speaker to Strake Jesuit High School as part of Shattered Dreams program to discourage teens from drinking and driving. May 2010

## **RESEARCH MENTOR:**

Andrew Kline; Medical student; summer 1998  
James Cipolla; Surgical Resident; 1998-1999  
Lynelle Thorpe; Undergraduate student; summer 2001  
Craig Messick; Medical student; summer 2002  
Holland Patterson; Medical student; summer 2002  
Keith Gates; Medical student; summer 2002  
Marshall Smith; Medical student; summer 2003  
Justin Weatherall; Medical student; summer 2003  
Elizabeth Verner-Cole; Medical student; summer 2003  
Michael Adam Childs; Medical student; summer 2004  
Colt Melton; Medical student, summer 2005  
Meschak Mwangi, NIH-funded minority student supplement recipient, summer 2005  
Jonhthan Berrouit; Undergraduate student; summer 2006  
Julie Sprunt, Medical student summer 2007  
Stephanie Martin, Medical Student summer 2008  
Rachael Santora, Surgical Resident July 2008-present  
Ryan Brown, Medical Student summer 2010

## **CURRENT GRANT SUPPORT:**

R01 Trauma Recovery in the Elderly and its relationship to Nutrition and Disability Study (TRENDS) Co-Primary Investigator, 7-2010 to 6-2016; pending

Department of Defense. Evaluation of lyophilized plasma in models of vascular injury and hemorrhagic shock. \$1,500,000. Co-investigator. 1-2011 to 12-2010.

T.R.U.E. Research Foundation. Role of Endothelial and Epithelial Glycocalyx in protection by plasma during hemorrhagic shock. Principal Investigator. \$109,000. 5-2007 to 4-2009.

RO1 Induction of molecular mediators by enteral nutrients in the postischemic gut. Principal Investigator. 30% effort. 1RO1GM077282. \$1,400,000 9-2007 to 6-2012.

P50 Impaired Gut Transit and Hypertonic Saline. Principal-investigator. 10% effort. NIH. \$1,372,602. 6-2007 to 5-2009.

NIGMS T-32 Training Grant T32-GM08792. Role of the gut in postinjury multiple organ failure. Mentor. NIH \$1,278,732 7-2001 to 6/2010.

## **PAST GRANT SUPPORT:**

KO8 GM62975. Gut Ischemia/Reperfusion Injury is Modulated by Enteral Nutrients. Principal Investigator 75% effort. NIH. \$596,430 8-2002 to 7-2007.

P50 Impaired Gut Transit and Hypertonic Saline. Co-Investigator. 10% effort. NIH. \$1,372,602. 6-2004 to 5-2007.

Master Teacher Education Grant. An Intense Tutorial Program for At-Risk Students to Enhance Success on the NBME Surgery Shelf Exam. Principal Investigator. University of Texas-Houston \$30,000. 2005-2007

NRSA HL08363-02. Free radical-induced alterations in endothelial cell function. Principal Investigator. 1990-1992. \$46,000.

XOMA \$300,000: Multicenter Phase III Trial to assess the safety and efficacy of Bactericidal/Permeability-Increasing Protein in patients with hemorrhage due to trauma. 3/98-6/99.

Mary DeWitt Petit Research Fellowship. Antioxidant defense during recovery from acute lung injury. Principal Investigator. 7/98-6/99. \$10,000.

US Surgical. Laparoscopic Repair of Traumatic Diaphragmatic Injuries. Principal Investigator. 7/98-6-99. \$21,000.

## **PUBLICATIONS:**

### **PUBLISHED ABSTRACTS**

1. Kozar RA, Dyer C, Bulger E, Mourtzakis M, Wade CE, Heyland DK. Elderly trauma patients: Highest risk, fewest calories. *JPEN* 2011, in press.
2. Peng Z, Ban K, Kozar RA. Prevention of Hypoxia/Reoxygenation induced IEC-6 cell injury by Glutamine via Syndecan-1. *JPEN* 2011, in press.
3. Ban K, Peng Z, Kozar RA. Arginine decreases peroxisome proliferator-activated receptor gamma activity via c-Jun in both ligand-dependent and independent fashions. *JPEN* 2011, in press.
4. Ban K, Kozar RA. PPAR $\gamma$  mediates the regulation of INOS expression by C-JUN/AP-1. *Shock* 2010, Vol 33, (S1), 34.
5. Matijevis N, Wang Y-W W, Kozar RA, Gonzalez EA, Holcomb JB. Low levels of platelet microparticles correlate with poor outcomes in shock patients. *Shock* 2010, Vol 33, (S1), 45.
6. Deng X, Cao Y, Doursout MF, He G, Kozar RA, Holcomb JB, Ko TC. Standard storage of fresh frozen plasma (FFP) reduces its anti-apoptotic effects during hemorrhagic shock (HS) resuscitation. *Shock* 2010, Vol 33, (S1), 49.
7. Duan C, Cao Y, Deng X, Yang W, Kozar RA, Gonzalez EA, Holcomb JB, Ko TC. Plasma adiponectin levels decrease after hemorrhagic shock (HS). *Shock* 2010, Vol 33, (S1), 49.
8. Peng Z, Haywood-Watson, Pati S, Dong J, Vijayan V, Holcomb JB, Ko T, Kozar RA. Restitution of syndecan-1 is modulated by age of fresh frozen plasma (FFP). *Shock* 2010, Vol 33, (S1), 61.
9. Haywood-Watson R 2nd, Pati S, Kozar R, Faz G, Holcomb J, Gonzalez E. Human microvascular barrier disruption after hemorrhagic shock. *J Surg Res.* 2010 Feb;158(2):313.
10. Santora RJ, Medhus KA, Pati S, Holcomb JB, Kozar RA. Fresh plasma reverses hypoxia induced endothelial cell dysfunction. *J Surg Res.* 2010 Feb;158(2):296

11. X. Deng, Y. Cao, S. Pati, R.A. Kozar, J.B. Holcomb, T.C. Ko. Fresh Frozen Plasma Activates Kinase Pathways in Endothelial Cells. *Shock* 2009, Vol. 31, (S1), 34.
12. N. Matijevic, W. Wang, S. Pati, R. Kozar, J. Conyers, J. Holcomb. Phenotypic Assessment of Cellular Microparticles in Fresh Frozen Plasma During Storage. *Shock* 2009, Vol. 31, (S1), 36.
13. R. Kozar, R. Zhang, J. Holcomb, J. Sondeen, E. Gonzalez, S. Pati, T. Ko, J.F. Dong, A. Paredes. Plasma Restoration of Endothelial Glycocalyx After Hemorrhagic Shock. *Shock* 2009 Vol. 31, (S1), 49.
14. J. Holcomb, M. Gerber, R. Kozar, R. Parthasarthy, N. Matijevic, M.F. Doursout, T. Ko, B. Hartwell, J. Conyers, S. Pati. Protective Effects of Plasma (FFP) on Pulmonary and Lymphatic Endothelial Permeability Diminishes Between Day 0 Through Day 5 After Thaw. *Shock* 2009 Vol. 31, (S1), 52.
15. E. Gonzalez, S. Pati, R. Kozar, B. Hartwell, J. Conyers, J. Holcomb. Effect of Activated Human Plasma on Syndecan-1 Expression. *Shock* 2009 Vol. 31, (S1), 55.
16. Y. Cao, X. Deng, X. Liu, S. Pati, R.A. Kozar, E.A. Gonzalez, J.B. Holcomb, T.C. Ko. Standard Storage of Fresh Frozen Plasma Increases TGF- $\beta$ /SMAD3 Signaling. *Shock* 2009 Vol. 31, (S1), 56.
17. McQuiggan M, Kozar R, Sailors M, McKinley B, Weisbrodt N., Moore F. Techniques for determining gastric residual volume: is never better? *JPEN*.2008;32:341.
18. Gonzalez EA, Zhang R, Kozar RA, Moore FA, Hunter RL. Poloxamer hypotensive resuscitation. *Shock*. 2008;28(S1)8-9.
19. Ban K, Sprunt JM, Kozar RA. Glutamine: A novel ligand dependent activator of PPAR $\gamma$ . *Shock*. 2008;28(S1)56.
20. Harting MT, Jimenez F, Kozar RA, Moore FA, Mercer DW, Hunter R, Cox CS, Gonzalez EA. Direct effects of poloxamer 188 on human PMN cells. *J Surg Res*. 2008. 144;214.
21. Gonzalez EA, Mercer DW, Kozar RA. Isovolemic plasma resuscitation during shock. *J Surg Res*. 2008; 144, (2):432
22. Ban K, Gonzalez EA, Kone BC, Kozar RA. Enteral arginine modulates the effect of pharmacologic inhibition of AP-1 on iNOS in the postischemic gut. *Shock*.

2007;27(S1):78.

23. Moore-Olufemi SD, Moore FA, Gonzalez EA, Ban K, Fields E, Kone BC, Kozar RA. Transcriptional profiling of hypertonic saline in rat small intestine. *Shock*. 2007;27(S1):79.
24. McKinley B, Gonzalez E, Kozar R, Todd R, Ware N, Sailors M, Moore F. Central venous pressure vs pulmonary artery catheter directed shock. *Shock*. 2007;27(S1):56.
25. Kozar RA, Kao LS, Miller CC, Schenarts KD. Preclinical predictors of surgery shelf exam performance. *J Surg Res* 2007; 137:(2)159.
26. Gonzalez EA, Hunter R, Kozar RA, Moore FA. Poloxamer 188-Hypertonic saline provides optimal ileal protection after mesenteric ischemia/reperfusion. *J Surg Res*. 2007;137:337.
27. Gonzalez EA, Hunter R, Kozar RA, Weisbrodt N, Field E, Moore FA. Poloxamer 188 resuscitation after mesenteric ischemia/reperfusion abrogates neutrophil mediated ileal mucosal injury. *Journal of Trauma*. 2006;61:514.
28. McKinley B, Gonzalez E, Todd SR, Sucher J, Vercruysee G, Kozar RA, Cocanour C, Ware N, Motschall D, Sailors M, Moore FA. Mis-triage to central venous pressure directed resuscitation is associated with poor outcome. *Shock*. 2006;25:88.
29. Kozar R, SR Todd, Selby J, Cocanour C, Kozar RA, Vercruysee, Gonzalez E, Ware N, Moore F. Acute lower extremity compartment syndrome (ALECS) screening. *J Trauma*. 2006 60;251.
30. Moore-Olufemi SD, Lott S, Olufemi S, Sato N, Kozar RA, Moore FA, Radhakrishna RS, Cox CS, Kone BC. Transcriptional profiling of ischemic preconditioning in rat intestine following ischemia/reperfusion injury. *JACS*. 2006;203(3):S45
31. Gonzalez EA, Moore FA, Holcomb JB, Miller CC, Kozar RA, Todd SR, Cocanour CS, McKinley BA. Fresh frozen plasma should be given earlier to patients who require massive transfusion. *J Trauma*. 2006; 60:258.
32. Sato N, Moore FA, Zou L, Kozar RA. Reactive Oxygen species promotes TNF-alpha induced cytotoxicity in IEC-6 cells. *J Surg Res*. 2006;130:330.
33. Gonzalez EA, Kozar RA, Suliburk JW, Mercer DW, Moore FA. Conventional dose hypertonic-saline provides optimal immunodulation. *J. Trauma*. 2005;59(2) 532.
34. Gonzalez EA, Kozar RA, Suliburk JW, Mercer DW, Moore FA. Low volume hypertonic saline abrogates mesenteric ischemia/reperfusion induced remote organ injury. *J*.

*Trauma*. 2005;59(2) 532.

35. N Sato, Childs MA, Moore FA, Zou L, Kone BC, Schultz SG, Kozar RA. GW9662 inhibition of PPAR $\gamma$  abrogates the protective function of enteral glutamine. *Shock*. 2005;23:51.
36. Sato N, Zou L, Attuwaybi B, Kozar RA, Moore FA, Kone BC. Alpha-melanocyte stimulating hormone preserves HO-1 expression induced by postischemic gut injury in rats. *Gastroenterology* 2005;4(suppl 2):A658.
37. McKinley BA, Balogh Z, Kozar RA, Valdivia A, Moore FA. GI tonometry is a monitor of onset of ACS. *Shock*. 2005;23:69.
38. Gonzalez E, Kozar RA, Suliburk J, Mercer D, Moore F. Hypertonic saline abrogates mesenteric ischemia/reperfusion. *Shock*. 2005 23, suppl 3, 31.
39. Gonzalez EA, Kozar RA, Suliburk JW, Tweardy DJ, Mercer DW, Moore FA. Hypertonic saline resuscitation after mesenteric ischemia/reperfusion induces ileal apoptosis via cytochrome C pathway. *J Trauma*. 2005;58(1): 215
40. Kozar RA, Moore JB, Miles SE, Holcomb JH, Moore EE, Cothorn C, Moore FA. Complications of nonoperative management of high grade blunt hepatic injuries. *J Trauma*. 2005;58(1):222.
41. Gonzalez EA, Kozar RA, Suliburk JW, Moore FA, Mercer DW. The isomeric composition of Lactated Ringer's has no differential effect of gastric dysfunction after mesenteric ischemia/reperfusion. *J Surg Res*. 2004;121:334.
42. Moore-Olufemi, Kozar RA, Moore FA, Hassoun HT, Sato N, Cox CS, Kone BC. Ischemic preconditioning protects against intestinal ischemia/reperfusion injury. *Shock*. 2004; 21:179.
43. Gonzalez E, Kozar RA, Suliburk J, Mercer D, Moore FA. Presence of D-Lactate increases ileal mucosal injury after mesenteric ischemia/reperfusion. *Shock*. 2004; 21:172.
44. McKinley B, Gonzalez E, Balldin B, Majid T, Valdivia A Cocanour CS, Kozar RA. Revisiting the "Bloody Vicious Cycle. *Shock*. 2004; 21:137.
45. Sato N, Kozar RA, Smith M, Zou L, Moore-Olufemi S, Schultz SG, Moore FA. Immune enhancing enteral agents differentially modulate the early pro-inflammatory transcription factors mediating gut ischemia/reperfusion. *J Trauma*. 2004; 57(2):449.
46. Kozar RA, Schultz SG, Verner-Cole E, Bick R, DeSoignie R, Poindexter B, Moore FA. Enteral arginine, an immune enhancing agent, impair gut barrier function following

- mesenteric ischemia/reperfusion. *J Trauma*. 2004; 56 (2):463.
47. Moore FA, Hassoun HT, Kozar RA, Weisbrodt NW. Shock Induced Ileus: Issues and consequences. *Shock*. 2004; 21:82.
  48. Kozar RA, Anderson K, Chaves-Escobar S, Theil M, Brundage S. Preclinical students who are surgeons? *J Surg Res*. 2003; 114 (2):259.
  49. Attuwaybi B, Kozar RA, Moore-Olufemi S, Sato N, Weisbrodt N, Hassoun H, Moore FA. Heme-oxygenase-1 (HO-1) induction by hemin protects against gut ischemia/reperfusion injury. *J Surg Res*. 2003; 114 (2):289.
  50. Sato N, Kozar RA, Zou L, Moore-Olufemi S, Weisbrodt NW, Moore FA. Cyclooxygenase-2 (COX-2) plays a role in mediating impaired intestinal transit after gut ischemia/reperfusion (I/R). *J Surg Res*. 2003; 114 (2):287.
  51. Attuwaybi B, Kozar RA, Sato N, Moore-Olufemia S, Weisbrodt NW, Moore FA. Hypertonic saline prevents inflammation and impaired intestinal transit after gut ischemia/reperfusion by inducing heme oxygenase 1(HO-1) enzyme. *J Trauma* 2003; 55(1): 205.
  52. Kozar RA, Schultz SG, Bick R, DeSoignie R, Moore FA. Metabolizable solutes maintain integrity of the actin cytoskeleton and membrane barrier function following mesenteric ischemia/reperfusion. *Shock*. 2003; (19):217.
  53. Moore-Olufemia S, Kozar RA, DeSoignie R, Attuwaybi B, Gates K, Moore FA. Hypertonic saline enhances mucosal blood flow and lessens mucosal injury following gut ischemia/reperfusion. *Shock*. 2003; 19: 200.
  54. Attuwaybi BO, Kozar RA, Moore-Olufemi S, Gates K, Hassoun HT, Moore FA. Hypertonic saline induces HO-1 expression and abrogates gut inflammation and dysfunction following shock-induced gut ischemia/reperfusion. *Shock*. 2003; 19:194.
  55. Marr AB, McKinley BA, Sailors RM, Valdivia A, Kozar RA, Cocanour CS, Moore FA. Starling curve generation during shock resuscitation: Can it be done? *Shock*. 2003; 19:78.
  56. Cocanour CS, Weisbrodt N, Kozar RA, Messick C, Moore FA. Gastric emptying following traumatic shock. *Shock*. 2003; 19:18.
  57. Cocanour CS, Dial ED, Kozar RA, Lichtenberger LM, Messick C, Moore FA. Gastric Alkalinization following major trauma. *J Trauma*.2003;54(1):211.
  58. Suliburk JW, Ware DN, Balogh Z, McKinley BA, Cocanour CS, Kozar RA, Moore FA. Vacuum assisted wound closure (VAWC) allows for early abdominal fascial closure in

- severely injured trauma patients requiring aggressive resuscitation. *J Trauma*. 2003;54(1):207.
59. Domonoske B, Cocanour C, Valdivia A, Kozar RA, Pousman R, Moore F. Aggressive Glucose Control: Implementation in an ICU. *Critical Care Medicine*. 2003; 451: A108.
  60. Kozar RA, Lucci A, Azzizadeh A, Miller CC, Cocanour CS, Potts J, Fischer C, Brundage SI. A brief intervention by surgeons can influence medical students towards a career in surgery. *J Surg Res*. 2002; 107 (4): 268.
  61. Kozar RA, Holcomb JB, Macatis J, DeSoignie R, Moore FA. Superior mesenteric artery occlusion (SMAO) models shock-induced gut Ischemia/reperfusion. *J Surg Res*. 2002;107 (P55): 321.
  62. Attuwaybi BO, Hassoun H, Kozar RA, Moore FA. Hypothermia protects against gut ischemia-reperfusion (I/R) induced impaired intestinal transit by inducing impaired intestinal transit by inducing heme oxygenase-1 (HO-1). *J Surg Res*. 2002; 107 (81): 294.
  63. Balogh Z, McKinley BA, Holcomb JB, Miller CC, Cocanour CS, Kozar RA, Moore FA. Both primary and secondary abdominal compartment syndrome can be predicted early and are harbingers of bad outcome. *J Trauma*. 2002;53(1):198.
  64. McKinley BA, Cocanour CS, Kozar RA, Ware DN, Sailors RM, Marquez A, Moore FA. Normal vs supranormal O2 delivery goals in shock resuscitation: the response is the same. *J Trauma* 2002; 53(1): 825-832.
  65. Holcomb JB, McMullin NR, Kozar RA, Lygas MH, Macaitis JM, Moore FA. Morbidity from rib fractures increases after age 45. *J Trauma*. 2002; 52 (1):200.
  66. Kozar RA, Moore EE, Kudsk K, Jurkovich G, Moore FA. Enteral tolerance following severe trauma is reliably achieved by a standardized protocol. *J Surg Res*. 2001; 100 (2):292-293.
  67. Kozar RA, Schultz SG, Hassoun HT, DeSoignie R, Moore FA. Intraluminal nutrients alter gut permeability following gut ischemia/reperfusion. *Shock* 2001;15 supp:65.
  68. Von Maszewski M, Cocanour CS, McKinley B, Kozar RA, DeSoignie R, Weisbrodt N, Moore FA. MMC's exist after trauma and predict enteral tolerance. *J Trauma* 2001; 50 (1):178.
  69. Kozar RA, Hu S, Schultz SG, Hassoun HT, Moore FA. Specific enteral nutrients alter mucosal blood flow during gut ischemia/reperfusion. *JPEN* 2001; 25 (1):S11.

70. Hassoun HT, Weisbrodt NW, Kozar RA, Mercer DW, Moody FG, Moore FA. Inducible nitric oxide synthase mediates impaired small intestinal transit after severe gut ischemia/reperfusion. *J Surg Res.* 2000; 91 (2): 353.
71. Kozar RA, Kaplan LJ, Cipolla J, Meija J, Haber M. Laparoscopic repair of traumatic diaphragmatic injuries. *J Surg Res.* 2000; 91(2):358-359.
72. Kozar RA, Schultz SG, Weisbrodt N, DeSoignie R, Hassoun HT, Moore FA. Intraluminal nutrients enhance gut ischemia/reperfusion injury. *Shock.* 2000; 13 supp;28.
73. Kozar RA, Abedin ZR, Abedin MZ, Trooskin SZ. Expression of epidermal growth factor in Type II Pneumocytes: A potential mechanism for recovery from acute lung injury. *Investigative Medicine.* 1998; 463 (3):223A.

## REFEREED ARTICLES

1. Adams SD, Cotton BA, McGuire MF, Dipasupil E, Podbielski J, Zaharia A, Jastrow K, Ware DN, Gill BS, Albarado R, Kozar RA, Gonzalez EA, Duke JR, Adams PR, Dyer CB, Holcomb JB. The unique pattern of complications in elderly trauma patients at a Level 1 trauma center. *J Trauma* 2010 in press
2. Ban K, Santora R, Kozar RA. Enteral arginine modulates inhibition of AP-1/c-Jun by SP600125 in the postischemic gut. *Mol Cell Biochem.* 2010 Oct 29. [Epub ahead of print]
3. Ban K, Kozar RA. Glutamine protects against apoptosis via down-regulation of Sp3 in intestinal epithelial cells. *Am J Physiol Gastrointest Liver Physiol.* 2010 Sep 30. [Epub ahead of print]
4. Kozar RA, McNutt MK. Management of adult blunt hepatic trauma. *Curr Opin Crit Care.* 2010 Sep 9. [Epub ahead of print]
5. Kozar RA, Feliciano DV, Moore EE, Moore FA, Cocanour CS, West M, Davis JW, McIntyre RC, Jr. Western Trauma Association Critical Decisions in Trauma: Operative Management of Blunt Liver Trauma. *J. Trauma* (in press)
6. Bick RJ, Poindexter BJ, Sheikh-Hamad D, Santora RJ, Kozar RA, Klein GA. Changes in the calcium-sensing receptor and stanniocalcin-1 in rat small intestine in response to ischemia-reperfusion injury. *Current Trends in Protein and Peptide Research (in press)*
7. Pati S, Matijevic N, Doursout MF, Ko T, Cao Y, Deng X, Kozar RA, Hartwell E, Conyers J, Holcomb JB. Protective effects of fresh frozen plasma on vascular endothelial

- permeability, coagulation, and resuscitation after hemorrhagic shock are time dependent and diminish between days 0 and 5 after thaw. *J Trauma*; 2010 Jul;69 Suppl 1:S55-63
8. Santora R, Kozar RA. Molecular mechanisms of pharmaconutrients. *J Surg Res*. 2010 Jun 15;161(2):288-94. Epub 2009 Jul 17
  9. Hunter RL, Luo AZ, Zhang R, Kozar RA, Moore FA. Poloxamer 188 inhibition of ischemia/reperfusion injury: evidence for a novel anti-adhesive mechanism. *Ann Clin Lab Sci*. 2010 Spring;40(2):115-25.
  10. Kozar RA, Moore FA, Moore EE, West M, Cocanour CS, Davis J, Biffl WL, McIntyre RC, Jr. Western Trauma Association Critical Decisions in Trauma: Nonoperative Management of Adult Blunt Hepatic Trauma. *J. Trauma*; 2009 Dec, Vol 67(6), 1144-1148; discussion 1148-9
  11. Biffl, WL, Cothren CC, Moore EE, Kozar RA, Cocanour CS, Davis JW, McIntyre RC, West MA, Moore FA. Western Trauma Association Critical Decisions in Trauma: Screening for and Treatment of Blunt Cerebrovascular Injuries. *J. Trauma*; 2009 Dec, Vol 67(6), 1150-1153.
  12. McKinley BA, Sucher JF, Todd SR, Gonzalez EA, Kozar RA, Sailors RM, Moore FA. Central venous pressure versus pulmonary artery catheter-directed shock resuscitation. *Shock*. 2009 Nov; 32(5):463-70.
  13. Moore-Olufemi SD, Olufemi SE, Lott S, Sato N, Kozar RA, Moore FA, Radhakrishnan RS, Shah S, Jimenez F, Kone BC, Cox CS Jr. Intestinal Ischemic Preconditioning After Ischemia/Reperfusion Injury in Rat Intestine: Profiling Global Gene Expression Patterns. *Dig Dis Sci*. 2010 55(7):1866-77. 2009 Sep 25. [Epub ahead of print]
  14. Jastrow KM III, Gonzalez EA, McGuire MF, Suliburk JW, Kozar RA, Iyengar S, Motschall DA, McKinley BA, Moore FA, Mercer DW. Early Cytokine Production Risk Stratifies Trauma Patients for Multiple Organ Failure. *Am Coll Surg*. 2009 Sep; 209(3):320-31
  15. Markell KW, Renz EM, White CE, Albrecht ME, Blackbourne LH, Park MS, Barillo DA, Chung KK, Kozar RA, Minei JP, Cohn SA, Herndon DN, Cancio LC, Holcomb JB, Wolf SE. Abdominal complications after severe burns. *Am Coll Surg*. 2009 May; 208(5):940-7; discussion 947-9.
  16. McKinley BA, Sucher JF, Todd SR, Gonzalez EA, Kozar RA, Sailors RM, Moore FA. Central Venous Pressure vs. Pulmonary Artery Catheter Directed Shock Resuscitation. *Shock*, 2009 Apr15 (Epub ahead of print).
  17. Todd SR, Gonzalez EA, Turner K, Kozar, RA. Update on postinjury nutrition. *Curr Opinions in Crit Care*. 2008 Dec; 14(6):690-695.

18. Ban K, Kozar RA. Enteral glutamine: A novel mediator of PPAR $\gamma$  in the postischemic gut. *J. Leuk Biol.* 2008 Sep; 84(3):595-599.
19. Harting M, Jimenez F, Kozar RA, Moore FA, Mercer DW, Hunter RL, Cox CS, Gonzalez EA. Effects of Poloxamer 188 on human PMN cells. *Surgery.* 2008 Aug; 144(2):198-203.
20. Robinson EK, Kelly DP, Mercer DW, Kozar RA. Differential effects of luminal arginine and glutamine on metalloproteinase production in the postischemic gut. *JPEN.* 2008 Jul-Aug; 32(4):433-438.
21. Scott D, Cendan J, Pugh C, Minter R, Dunnington G, Kozar RA. The changing face of surgical education: Simulation as the new paradigm. *J Surg Res.* 2008 Jun 15; 147(2):189-93.
22. Suliburk J, Kao L, Kozar RA, Mercer DW. Training future surgical scientists: Realities and recommendations. *Ann Surg.* 2008 May; 247(5):741-9.
23. Kozar RA. Hypothermia hype: Is it worth it? *Crit Care Med.* 2008 May; 36(5):1676-7.
24. Cocanour CS, Dial E, Lichtenberger L, Gonzalez EA, Kozar RA, Moore FA, Mercer DW. Gastric Alkalinization following major trauma. *J Trauma.* 2008 Mar; 64(3):681-687.
25. Kozar RA, Shackford S, Cocanour CS. Challenges to the care of the critically ill: novel staffing paradigms. *J Trauma.* 2008 Feb; 64(2):366-370.
26. McQuigan M, Kozar RA, Moore FA. Enteral glutamine during active shock resuscitation is safe and enhances tolerance. *JPEN.* 2008 Jan-Feb 32(1):28-35.
27. Kosir R, SR Todd, Selby J, Cocanour C, Kozar RA, Vercruyse GA, Gonzalez E, Ware N, Moore F. Acute lower extremity compartment syndrome (ALECS) screening. *J Trauma.* 2007 Aug; 63(2):268-275.
28. Kozar RA, Kao L, Miller CC, Schenarts K. Preclinical predictors of Surgery NBME Performance. *J Surg Res.* 2007 Jun 15; 140(2):204-207.
29. Gonzalez EA, Hunter R, Kozar RA, Moore FA. Poloxamer 188-Hypertonic saline provides optimal ileal protection after mesenteric ischemia/reperfusion. *J Surg Res* 2007;137; 337-338
30. Gonzalez EA, Moore FA, Holcomb JB, Miller CC, Kozar RA, Todd SR, Cocanour CS, McKinley BA. Fresh frozen plasma should be given earlier to patients who require

massive transfusion. *J Trauma*. 2007 Jan;62(1):112-119.

31. Todd SR, Kozar RA, Moore FA. Nutrition support in adult trauma patients. *Nutrition in Clinical Practice*. 2006 Oct; 21(5):421-9.
32. Todd SR, Holcomb JB, Kozar RA, Kao LS, McNally MM, Cocanour CS, Vercruyse GA, Lygas MH, Brasseaux BK, Moore FA. A multidisciplinary clinical pathway decreases rib fracture associated infectious morbidity and mortality in high risk trauma patients. *Am J Surg*. 2006 Dec;192(6):806-811.
33. Gonzalez EA, Kozar RA, Suliburk JW, Mercer DW, Moore FA. Conventional dose hypertonic-saline provides optimal gut protection and limits remote organ injury after gut ischemia/reperfusion. *J. Trauma* 2006 Jul;61(1):66-74.
34. Kozar RA, Moore FA, Cothren C, Moore EE, Sena M, Bulger E, Miller C, Eastridge B, Acheson E, Brundage S, Tataria M, McCarthy M, Holcomb J. Risk factors for hepatic morbidity following nonoperative management: Multicenter study. *Archives of Surgery* 2006 May;141(5):451-459.
35. Gonzalez EA, Kozar RA, Suliburk JW, Weisbrodt NW, Mercer DW, Moore FA. Hypertonic saline resuscitation after mesenteric ischemia/reperfusion induces ileal apoptosis. *J Trauma* 2005 Nov;59(5): 1092-1098.
36. Kozar RA, Moore JB, Niles SE, Moore EE, Cothren CC, Hartwell E, Moore FA. Complications of nonoperative management of high-grade blunt hepatic injuries. *J Trauma* 2005 Nov;59:1066-1077.
37. Sato N, Kozar RA, Weatherall J, Zou L, Attuwaybi B, Moore-Olufemi SD, Weisbrodt NW, Moore FA. PPAR gamma mediates COX-2 induced gut dysfunction in a rodent model of mesenteric ischemia/reperfusion. *Shock* 2005;24(5):462-469.
38. Sato N, Moore FA, Smith MA, Zou L, Olufemi-Moore S, Schultz SG, Kozar RA. Differential induction of PPAR{gamma} by luminal glutamine and iNOS by luminal arginine in the rodent post ischemic small bowel. *Am J Physiol Gastrointest Liver Physiol*. 2006 Apr; 290(4):G616-623. Epub 2005 Oct 27.
39. Kozar RA, Anderson KD. Surgical Education Research. *J Surg Res*. 2005 Oct;128(2):186-8.
40. Brundage SI, Lucci A, Miller CC, Azizzadeh A, Spain DA, Kozar RA. Potential targets to encourage a surgical career. *J Amer Coll Surg*. 2005; 200(6):946-953.
41. Tyroch AH, McGuire EL, McLean SF, Kozar RA, Gates K, Kaups KL, Cook C, Griswold JA, Sue LA, Craun M, Price J. The association of Chance Fractures and intra-abdominal

- injuries revisited: A multicenter review. *Amer Surg.* 2005;71(5):434-438.
42. Moore-Olufemi S, Kozar RA, Moore FA, Sato N, Hassoun HT, Cox CS, Kone BC. Ischemic preconditioning protects against gut dysfunction and mucosal injury after ischemia/reperfusion injury. *Shock.* 2005; 23: 258-263.
  43. Sato N, Moore FA, Smith MA, Zou L, Moore-Olufemi S, Schultz SG, Kozar RA. Immune enhancing enteral nutrients differentially modulate the early pro-inflammatory transcription factors mediating gut ischemia/reperfusion. *J Trauma.* 2005 Mar; 58(3):455-461.
  44. Marr AB, McQuiggan MM, Kozar RA, Moore FA. Gastric feeding as an extension of an established enteral nutrition protocol. *Nutrition in Clinical Practice.* 2004; 19(5):504-510.
  45. Kozar RA, Schultz SG, Verner-Cole E, Bick R, DeSoignie R, Poindexter B, Moore FA. Enteral arginine, an immune enhancing agent, impair gut barrier function following mesenteric ischemia/reperfusion. *J Trauma.* 2004; 56:1150-1156.
  46. Marr AB, Moore FA, Sailors M, Valdivia A, Selby J, Kozar RA, Cocanour C, McKinley BA. Preload Optimization using. "Starling Curve" Generation during shock resuscitation: Can it be done? *Shock* 2004; 21(4): 300-305.
  47. Attuwaybi BO, Kozar RA, Moore-Olufemi SD, Sato N, Hassoun HT, Weisbrodt NW, Moore FA. Heme Oxygenase-1 Induction by hemin protects against gut ischemia/reperfusion injury. *J Surg Res.* 2004 May 1;118(1):53-57.
  48. Kozar RA, Schultz SG, Bick RJ, Poindexter BJ, DeSoignie R, Moore FA. Enteral glutamine but not alanine maintains small bowel barrier function after ischemia/reperfusion injury in rats. *Shock* 2004 May; 21(5): 433-437.
  49. Kozar RA, Anderson K, Chaves-Escobar S, Theil M, Brundage S. Preclinical students: Who are surgeons? *J Surg Res.* 2004; 119:113-116.
  50. Attuwaybi B, Kozar RA, Gates KS, Moore-Olufemia S, Sato N, Weisbrodt NW, Moore FA. Hypertonic saline prevents inflammation, injury, and impaired intestinal transit after gut ischemia/ reperfusion by inducing heme oxygenase 1 (HO-1) enzyme. *J Trauma.* 2004 Apr; 56(4):749-758.
  51. Kozar RA, Holcomb JB, Macatis J, DeSoignie R, Moore FA. Superior mesenteric artery occlusion (SMAO) models shock-induced gut ischemia/reperfusion. *J Surg Res.* 2004;

116(1):145-150.

52. Suliburk JW, Ware DN, Balogh Z, McKinley BA, Cocanour CS, Kozar RA, Moore FA. Vacuum-assisted wound closure achieves early fascial closure of open abdomens after severe trauma. *J Trauma*. 2003;55 (6):1155-1160; discussion 1160-1161.
53. Sato N, Kozar RA, Zou L, Moore-Olufemi S, Weisbrodt N, Moore FA. Cyclooxygenase-2 (COX-2) plays a role in mediating impaired intestinal transit after gut ischemia/reperfusion (I/R). *J Surg Res*. 2003; 114(2),287-288.
54. Balogh Z, McKinley B, Cox C, Allen S, Cocanour S, Kozar RA, Weisbrodt N, Moore FA. Abdominal compartment syndrome: A modifiable link between traumatic shock and multiple organ failure. *Shock*. 2003;20 (6) :483-492.
55. Balogh Z, McKinley B, Cocanour C, Kozar RA, Cox C, Moore FA. Patients with impending abnormal compartment syndrome do not respond to early volume loading. *Amer J Surg*. 2003;186:602-608.
56. Balogh Z, McKinley B, Cocanour C, Kozar RA, Valdivia A, Sailors RM, Moore FA. Supra-normal trauma resuscitation causes more cases of abdominal compartment syndrome. *Archives Surg*. 2003;138 (6) 637-642.
57. Kozar RA, Lucci A, Azzizadeh A, Miller CC, Cocanour CS, Potts J, Fischer C, Brundage SI. A brief intervention by surgeons can influence medical students towards a career in surgery. *J Surg Res*. 2003; 3 (1) 166-169.
58. Attuwaybi BO, Hassoun H, Kozar RA, Moore FA. Hypothermia protects against gut ischemia-reperfusion (I/R) induced impaired intestinal transit by inducing heme oxygenase-1 (HO-1). *J Surg Res*. 2003 Nov;115(1):48-55.
59. Mangram A, Kozar RA, Gregoric I, Grant, P, Cocanour CS, Moore FA: Unsuspected blunt cardiac injuries that required operative intervention. *J. Trauma*. 2003; 54 (2) 286-288.
60. Holcomb JB, McMullin NR, Kozar RA, Lygas MH, Moore FA: Morbidity from rib fractures increases after age 45. *J Am Coll Surg* 2003; (196) 549-555.
61. Balogh Z, McKinley BA, Holcomb JB, Miller CC, Cocanour CS, Kozar RA, Moore FA. Bth primary and secondary abdominal compartment syndrome can be predicted early and are harbingers of bad outcome. *J Trauma*. 2003; 54 (5): 848-59.
62. Hassoun HT, Kozar RA, Kone BC, Safi HJ, Moore FA. Intraischemic hypothermia differentially modulates oxidative stress proteins during mesenteric ischemia/reperfusion.

Surgery 2002 Aug; 132(2): 369-76.

63. McKinley BA, Cocanour CS, Kozar RA, Ware DN, Sailors RM, Marquez A, Moore FA. Normal vs supranormal O<sub>2</sub> delivery goals in shock resuscitation: the response is the same. *J Trauma*. 2002 (53) 825-32.
64. Balogh Z, McKinley BA, Cocanour CS, Kozar RA, Ware DN, Holcomb JB, Moore FA. Secondary compartment syndrome: an elusive complication of shock resuscitation. *Am J Surg*. 2002; 184 (6) 538-43; discussion 543-4.
65. Kozar RA, Schultz SG, Hassoun HT, DeSoignie R, Weisbrodt NW, Haber MH, Moore FA. The type of sodium-coupled solute modulates small bowel mucosal injury, transport function and ATP after Ischemia/reperfusion injury in rats. *Gastroenterology* 2002 Sep;123(3):810-6.
66. Kozar RA, Sen H, Hassoun HT, DeSoignie R, Moore FA. Specific enteral nutrients alter mucosal blood flow during gut ischemia/reperfusion. *JPEN* 2002 Jul-Aug; 26(4): 226-229.
67. Kozar RA, McQuiggan MM, Moore EE, Kudsk K, Jurkovich G, Moore FA. Postinjury enteral tolerance is reliably achieved by a standardized protocol. *J Surg Res*. 2002; 104(1):70-75.
68. McKinley BA, Kozar RA, Cocanour CS, Marquez A, Sailors RM, Ware DN, Moore FA. Trauma resuscitation: female hearts respond better. *Arch of Surgery* 2002; 137(5):578-584.
69. Hassoun HT, Zou L, Moore FA, Kozar RA, Weisbrodt NW, Kone C.  $\alpha$ -melanocyte stimulating hormone protects against mesenteric ischemia/reperfusion injury. *Am J Physiol Gastrointest Liver Physiol*.2002 Jun; 282(6):G1059-1068.
70. Hu S, Kozar RA, Moore FA. Enteral feeding of glucose increases intestinal mucosal blood flow during intestinal ischemia/repression injury. *Zhonghua Shao Shang Za Zhi*. 2001 Jun;17(3): 139-41 (Chinese).
71. Hassoun HT, Kone BC, Kozar RA, Lai M, Moore FA.  $\alpha$ -Melanocyte stimulating hormone augments gut ischemia-reperfusion induced heme oxygenase expression. *Surgical Forum*. 2001; LII:12-14.
72. Garner GB, Ware DW, Cocanour CS, Duke JH, McKinley BA, Kozar RA, Moore FA. Vacuum assisted wound closure provides early fascial reapproximation in trauma patients

with open abdomens. *Am J Surg* 2001;182(6):630-638.

73. Moore FA, Cocanour CS, McKinley B, Kozar RA, DeSoignie R, VonMaszewski M, Weisbrodt N. MMC's exist after trauma and predict enteral tolerance. *J Trauma* 2001;51(6):1075-1082.
74. Kozar RA, Kaplan LJ, Cipolla J, Meija J, Haber M. Laparoscopic repair of traumatic diaphragmatic injuries. *J Surg Res.* 2001;97(2):164-171.
75. Hassoun HT, Weisbrodt NW, Kozar RA, Mercer DW, Moody FG, Moore FA. Inducible nitric oxide synthase mediates gut ischemia/reperfusion-induced ileus only after severe insults. *J Surg Res.* 2001 May 15;97(2):150-154.
76. Fuchs BD, Smull G, Chang B, McMaster J, Getsy J, Kozar RA. Under-appreciation of sleep disorders as a cause of motor vehicle crashes. *American Journal of Emergency Medicine.* 2001;19 (7):575-578.
77. Nunes LW, Simmons S, Hallowell MJ, Kinback R, Trooskin S, Kozar RA. Diagnostic performance of trauma ultrasound in identifying abdominal/pelvic free fluid and diagnostic performance of ultrasonographic free fluid in identifying significant abdominal/pelvic injury. *Academic Radiology.* 2001; 8(2):128-136.
78. Nunes LW, Simmins S, Kozar RA, Kinback R, Hallowell MJ, Mulhern C. Feasibility and profitability of a radiology department's providing a trauma ultrasound examination for abdominal/pelvic free fluid as part of a trauma alert team. *Acad Rad.* 2001; (1):88-95.
79. Kozar RA, Weibel CJ, Abedin MZ, Cipolla J, Klein D, Haber M, Trooskin SZ. Antioxidant enzyme induction during recovery from acute lung injury. *Crit Care Med.* 2000; 28 (7):2486-2491.
80. Klein AJP, Kozar RA, Kaplan LJ. Traumatic hematuria and polycystic kidney disease. *The American Surgeon.* 1999; 65 (5):464-466.
81. Karam JA, Kozar RA. Solitary rupture of an accessory spleen. *J Trauma.* 1998 Jan; 44(1):220-221.
82. Kozar RA, McKeone BJ, Pownall HJ. Free radical-induced alterations in endothelial cell function. *J Surg Res.* 1994;56:32-36.
83. Kozar RA, McKeone BJ, Pownall HJ. Mechanism of cellular phospholipid efflux. *J Surg Res.* 1993; 55:548-52.
84. White JV, Freda J, Kozar RA, Serfass D, Cundy K, Comerota AJ, Ritchie WP. Does bacteremia pose a direct threat to synthetic vascular grafts? *Surgery* 1987; 102(2):402-

408.

85. Kozar RA, Pitale M, White JV, McGowen J, Cundy K, Comerota A. Mechanism of direct antibiotic protection of Dacron vascular grafts. *Current Surgery* 1987; 44(3):214-216.

## **BOOK CHAPTERS:**

1. Gonzalez EA, Jastrow KM, Holcomb JB, Kozar RA. Hemostasis, Surgical Bleeding, and Transfusion. In Schwartz's Principles of Surgery, 9<sup>th</sup> Edition, McGraw-Hill, 2009:67-87
2. Kozar RA, Weisbrodt NW, Moore FA. Gut Failure in the Critically Injured Patient. In Feliciano DV, Mattox KL, Moore EE (Eds): *Trauma*, 6<sup>th</sup> edition, McGraw-Hill, 2008:1281-1290.
3. Kozar RA, McQuiggan MM, Moore FA. Trauma. In Merritt R (Ed): *A.S.P.E.N. Nutrition Support Practice Manual*, 2<sup>nd</sup> Edition, ASPEN, 2005:271-276.
4. Kozar RA, McQuiggan MM, Moore FA. Trauma In Cresci G (Ed): *Nutrition Support in the Critically Ill Patient: A Guide to Practice*, CRC Press, 2005:421-434.
5. Kozar RA, Moore FA. Fluid and Electrolyte Management of the Surgical Patient. In Bruncardi FC (Eds): *Schwartz's Principles of Surgery*, 8<sup>th</sup> edition, McGraw-Hill, 2005:43-59.
6. Kozar RA, McQuiggan MM, Moore FA. Trauma. In Rolandelli R (Ed): *Clinical Nutrition (Volume I): Enteral and Tube Feeding*, 4<sup>th</sup> edition, Saunders, 2004:364-372.
7. Kozar RA, McQuiggan MM, Moore FA. Surgical Nutrition. In Miller T (Ed): *Modern Surgical Care: Physiologic Foundations and Clinical Applications*, 3<sup>rd</sup> Edition, Informa Healthcare, 2006: 49-64.
8. Kozar RA, Haenel JB, Moore FA. Flail Chest and Pulmonary Contusion. In Parsons PE, Wiener-Kronish JP (Eds.): *Critical Care Secrets*, 3<sup>rd</sup> edition, Lippincott, 2003: 403-408 and 4<sup>th</sup> edition, 2007: 447-451.
9. Kozar RA, Moore FA,: Postinjury Multiple Organ Failure. In Moore EE, Feliciano DV, Mattox KL (Eds.): *Trauma Handbook*, 4<sup>th</sup> edition. McGraw-Hill, Inc., 2002: (56) 501-506.
10. Kozar RA, McQuiggan MM, Moore FA. Nutritional Support of Trauma Patients. In Shikora SA, Martindale RG, Schwaitzberg SD (Eds.): *Nutritional Considerations in the*

*Intensive Care Unit. Science, Rationale, and Practice.* Kendall/Hunt Publishing Co., Dubuque, IO, 2002:229-244.

11. Kozar RA, Cipolla J: Chylothorax. In Plantz S (Ed): Medicine, Ob/Gyn, Psychiatry, and Surgery. On-line reference text. (<http://www.emedicine.com>). Boston Medical Publishers.
12. Kozar RA, Roslyn JJ: Appendix. In Schwartz SI (Ed.): *Principles of Surgery*, 7th edition. McGraw-Hill, Inc., 1999: 1383-1394.

## **Presentations: Research**

1. Ban K, Peng, Z, Kozar RA. PPAR $\gamma$  mediates the regulation of INOS expression by C-JUN/AP-1. Presented at the 33<sup>rd</sup> Annual Conference on Shock, Portland, OR, June 2010.
2. Matijevic N, Wang WY-W, Kozar RA, Gonzales E, Holcomb JB, Low levels of platelet microparticles correlate with poor outcomes in shock patients. Presented at the 33<sup>rd</sup> Annual Conference on Shock, Portland, OR, June 2010.
3. Duan C, Cao Y, Deng X, Yang W, Kozar RA, Gonzalez EA, Holcomb JB, Ko TC. Plasma adiponectin levels decrease after hemorrhagic shock (HS). Presented at the 33<sup>rd</sup> Annual Conference on Shock, Portland, OR, June 2010.
4. Peng Z, Haywood-Watson R, Pati S, Dong J, Vijayan V, Holcomb JB, Ko T, Kozar RA. Restitution of syndecan-1 is modulated by age of fresh frozen plasma (FFP). Presented at the 33<sup>rd</sup> Annual Conference on Shock, Portland, OR, June 2010.
5. Gonzalez EA, Hunter R, Kozar RA, Moore FA. Poloxamer 188-Hypertonic saline provides optimal ileal protection after mesenteric ischemia/reperfusion. Presented at the 2<sup>nd</sup> Academic Surgical Congress, Phoenix, AZ, February 2007.
6. Ban K, Gonzalez EA, Kone BC, Kozar RA. Enteral arginine modulates the effect of pharmacologic inhibition of AP-1 on iNOS in the postischemic gut. Presented at the 30th annual meeting of the Shock Society, Baltimore, MD, June 2007.
7. Moore-Olufemi SD, Moore FA, Gonzalez EA, Ban K, Fields E, Kone BC, Kozar RA. Transcriptional profiling of hypertonic saline in rat small intestine. Presented at the 30<sup>th</sup> annual meeting of the Shock Society, Baltimore, MD, June 2007.
8. Gonzalez EA, Hunter R, Kozar RA, Weisbrodt N, Field E, Moore FA. Poloxamer 188 resuscitation after mesenteric ischemia/reperfusion abrogates neutrophil mediated ileal

mucosal injury. Presented at the American Association for the Surgery of Trauma Annual Meeting New Orleans, Louisiana, September 2006.

9. Kozar RA, Moore JB, Miles SE, Holcomb JH, Moore EE, Cothorn C, Moore FA. Complications of nonoperative management of high grade blunt hepatic injuries. Presented at the 35<sup>th</sup> Annual Meeting of the Western Trauma Association, Jackson Hole, WY, March 2005.
10. Sato N, Kozar RA, Smith M, Zou L, Moore-Olufemi S, Schultz SG, Moore FA. Immune enhancing enteral agents differentially modulate the early pro-inflammatory transcription factors mediating gut ischemia/reperfusion. Presented at the American Association for the Surgery of Trauma. Maui, Hawaii, October 2004.
11. Kozar RA, Sati N, Lei Z, Smith M, Moore FA. Immune enhancing agents differentially modulate gut injury and inflammation. Presented at the 65<sup>th</sup> meeting of the Society of The University Surgeons, February 2004.
12. Sato N, Kozar RA, Lei Z, Weatherall J, Attuwaybi B, Moore-Olufemia S, Moore FA. Induction of peroxisome proliferators activated receptor (PPAR) gamma, the Cox-2 inhibitor, NS 398, reverses mesenteric ischemia/reperfusion gut inflammation. Presented at the 65<sup>th</sup> meeting of The Society of University Surgeons, February 2004.
13. Kozar RA, Schultz SG, Verner-Cole E, Bick R, DeSoignie R, Poindexter B, Moore FA. Enteral arginine, an immune enhancing agent, impair gut barrier function following mesenteric ischemia/reperfusion. 34<sup>th</sup> Annual Meeting of Western Trauma Association, February 2004.
14. Kozar RA, Attuwaybi B, Sato N, Moore-Olufemia S, Weisbrodt NW, Moore FA. Hypertonic saline prevents inflammation and impaired intestinal transit after gut ischemia/reperfusion by inducing heme oxygenase 1(HO-1) enzyme. Presented at the American Association for the Surgery of Trauma, September 2003.
15. Zsolt, B., M.D., McKinley, B., Ph.D., Cocanour, C., M.D., Kozar, RA, Valdivia, A., R.N., Sailors. M., Ph.D., Moore, F., M.D. Supra-Normal Trauma Resuscitation causes more case of abnormal compartment syndrome. Presented at the Western Surgical Association, November 2002.
16. Brundage SI, Lucci A, Miller CC, Azizzadeh A, Kozar RA. Potential targets to encourage a surgical career. Presented at the Western Surgical Association, November 2002.
17. Kozar RA, Lucci A, Azzizadeh A, Miller CC, Cocanour CS, Potts J, Fischer C, Brundage SI. A brief intervention by surgeons can influence medical students towards a career in

surgery. Presented at the plenary session of the 2002 Annual meeting of the Association for Academic Surgery, November 2002.

18. Kozar RA, Holcomb JB, Macatis J, DeSoignie R, Moore FA. Superior mesenteric artery occlusion (SMAO) models shock-induced gut Ischemia/reperfusion. Presented at the 2002 Annual meeting of the Association for Academic Surgery, November 2002.
19. Attuwaybi BO, Hassoun H, Kozar RA, Moore FA. Hypothermia protects against gut ischemia-reperfusion (I/R) induced impaired intestinal transit by inducing impaired intestinal transit by inducing heme oxygenase-1 (HO-1). Presented at the 2002 Annual meeting of the Association for Academic Surgery, November 2002.
20. Tyroch A, McGuire E, McLean S, Kozar R, Gates K, Kaups K, Cook C, Griswold J, Sue L, Craun M, Prices J. The prognostic significance of Chance fractures and intra-abdominal injuries revisited: a multi-center review. Presented at the 62<sup>nd</sup> Annual Meeting of the American Association for the Surgery of Trauma, September 2002.
21. Hassoun HT, Kozar RA, Kone BC, Safi H, Moore FA. Hypothermia differentially modulates oxidative stress proteins during gut ischemia/reperfusion. Presented at the 63<sup>rd</sup> Annual meeting of the Society of University Surgeons, February 2002.
22. McKinley BA, Kozar RA, Cocanour CS, Marquez A, Sailors RM, Ware DN, Moore FA. Trauma resuscitation: female hearts respond better. Presented at the annual meeting of the Western Surgical Association, November 2001.
23. Kozar RA, Moore EE, Kudsk K, Jurkovich G, Moore FA. Enteral tolerance following severe trauma is reliably achieved by a standardized protocol. Presented at The 35<sup>th</sup> Annual Meeting of the Association of Academic Surgery. November 2001.
24. Hassoun HT, Kone BC, Kozar RA, Lai M, Moore FA.  $\alpha$ -Melanocyte stimulating hormone augments gut ischemia-reperfusion induced heme oxygenase expression. Presented at the American College of Surgeons, October 2001.
25. Garner GB, Ware DN, Cocanour CS, Duke JH, McKinley BA, Kozar RA, Moore FA. Vacuum assisted wound closure provides early fascial reapproximation in trauma patients with open abdomens. Presented at the Southwestern Surgical Congress, Cancun, Mexico, April 2001.
26. Kozar RA, Schultz SG, Hassoun HT, DeSoignie R, Moore FA. Intraluminal nutrients alter gut permeability following gut ischemia/reperfusion. Presented at the 24<sup>th</sup> Annual Conference on Shock. February 2001.
27. Von Maszewski M, Cocanour CS, McKinley B, Kozar RA, DeSoignie R, Weisbrodt N, Moore FA. MMC's exist after trauma and predict enteral tolerance. Presented at the 31<sup>st</sup>

Annual Meeting of the Western Trauma Association, Big Sky, Montana, February 2001.

28. Hassoun HT, Kone BC, Kozar RA, Snuggs M, Phan T, Moore FA.  $\alpha$ -Melanocyte stimulating hormone reduces intestinal NF-KB and gut ischemia/reperfusion injury. Presented at the Society of University Surgeons, February 2001.
29. Mangram A, Kozar RA, Gregoric I, Grant P, Moore FA. Unsuspected fracture penetrations of the heart. Presented at the 31<sup>st</sup> Annual Meeting of the Western Trauma Association, Big Sky, Montana, February 2001.
30. Hassoun HT, Kozar RA, DeSoignie R, Thorpe L, Kone BC, Miller CC, Safi HJ, Moore FA. Intraischemic topical hypothermia prevents intestinal mucosal injury during mesenteric ischemic/reperfusion. Presented at the Southern Association for Vascular Surgery, Puerto Rico, January 2001.
31. Kozar RA, Hu S, Schultz SG, Hassoun HT, Moore FA. Specific enteral nutrients alter mucosal blood flow during gut ischemia/reperfusion. Presentation at the 25<sup>th</sup> Clinical Congress of the American Society for Parenteral and Enteral Nutrition, January 2001, Chicago, Illinois.
32. Hassoun HT, Weisbrodt NW, Kozar RA, Mercer DW, Moody FG, Moore FA. Inducible nitric oxide synthase mediates impaired small intestinal transit after severe gut ischemia/reperfusion. Presented at the 34<sup>th</sup> Annual Meeting of the Association for Academic Surgery, November 2-4, 2000, Tampa, Florida.
33. Kozar RA, Kaplan LJ, Cipolla J, Meija J, Haber M. Laparoscopic repair of traumatic diaphragmatic injuries. Presented at the 34<sup>th</sup> Annual Meeting of the Association for Academic Surgery, November 2-4, 2000, Tampa, Florida.
34. Kozar RA, Schultz SG, Weisbrodt N, DeSoignie R, Hassoun HT, Moore FA. Intraluminal nutrients enhance gut ischemia/reperfusion injury. Presented at the Shock Society, June 2000, Snowbird, Utah.
35. Cipolla J, Kozar RA, Satz WA, Kaplan LJ. Mass transit strike hits cyclists. Presented at the meeting of the Society of Academic Emergency Medicine, May 2000, San Francisco, CA.
36. Hassoun HT, Weisbrodt N, Moody FA, Kozar R, Grossie VB, Moore FA. Nitric Oxide synthetase II is upregulated in ileus after intraperitoneal lipopolysaccharide but not gut ischemia/reperfusion. Presented at the Society of University Surgeons, February 2000, Toronto, Canada.
37. Kaplan LJ, Kozar RA, Bailey H, Blank-Reid C, Santora TA, Talucci RC, Trooskin SZ. The challenge of pregnant trauma patients: Insight gained from review of a state trauma

registry. Presented at the American Association for the Surgery of Trauma. Sept 1998.

38. Kozar RA, Abedin ZR, Abedin MZ, Trooskin SZ. Expression of epidermal growth factor in Type II Pneumocytes: A potential mechanism for recovery from acute lung injury. Presented at Biomedicine '98. May 1-3, 1998.
39. Fuchs B, Kozar RA, Smull G, Chang B, McMaster J, Getsy J, Talucci RC: Role of Under-Appreciation of Sleep Disorders as a Cause of Motor Vehicle Crashes. Presented at the Pennsylvania Division for the American Trauma Society's Annual Conference, Hershey, PA. April 1997.
40. Trooskin SZ, Kozar RA, Blank-Reid CA, Santora TA, Talucci, RC, DeSantis D, Townsend RN. Gender issues in trauma admission: The neglected elderly female. Oral Presentation. Philadelphia Academy of Surgery, Philadelphia, PA, September 1996.
41. Kozar RA, White JV, Pownall HJ. Reverse cholesterol transport: The mechanism of phospholipid exchange between cell membranes and high density lipoprotein. Presented at the Delaware Valley Vascular Society, Philadelphia, PA, September 1994.
42. Kozar RA, Harada R, Jaffe F, Cindrick L, White JV. Carbon dioxide angioscopy: Hemodynamic and hemorrheologic responses to large volume CO<sub>2</sub> insufflation of the arterial tree. Presented at the Eastern Vascular Society, Montreal, Quebec, Canada, May 1994.
43. Kozar RA, McKeone BJ, Pownall HJ. Free radical-induced alterations in endothelial cell function. Presented at the Resident's Section of Society of University Surgeons, Cincinnati, OH, February 1992.
44. Kozar RA, McKeone BJ, Pownall HJ. Mechanism of cellular phospholipid efflux. Presented at the Association for Academic Surgery, Montreal, Quebec, Canada, November 1992.
45. Kozar RA, Pownall HJ. Cellular phospholipid efflux. Presented at the Aspen Bile Salt Meeting, Aspen, CO, August 1991.

**PRESENTATIONS: (Invitation)  
NATIONAL**

1. Update in Critical Care Nutrition: Are We Really Changing the Outcome? American Society for Parenteral and Enteral Nutrition. Las Vegas, NV February 8, 2010.
2. Invited Speaker, Wright State University, Boonshoft School of Medicine. Endowed Lectureship in Trauma Surgery at Miami Valley Hospital, November 11-12, 2009

3. Invited Speaker, Western Trauma critical decisions in trauma: Liver Injury. Mt. Crested Butte, Co. February 2009.
4. Invited Speaker, Academic Surgical Congress. Career advice I wish I'd been given. Fort Meyers, Fl. February 2009.
5. Invited Speaker, Clinical Nutrition Week. Update on antioxidants, glutamine, and the ideal diet in SICU Patients (M25). New Orleans. February 2009.
6. Invited Speaker, Updates and Upheavals in Nutrition Practice in The Critically Ill. University of California- Davis, Sacramento, CA. May 2008.
7. Invited Speaker, Southwestern Surgical Congress. Glutamine as an isolated immunonutrient. Acapulco, Mexico. March 2008.
8. Invited Speaker, Clinical Nutrition Week. Nutrition in the trauma patient. Chicago, IL. January 2008.
9. Invited Speaker, Society of Leukocyte Biology. Glutamine, a novel PPAR gamma agonist, abrogates gut injury and inflammation in the postischemic gut. Boston, MA. October 2007.
10. Invited Speaker, American College of Surgeons, Review Course in General Surgery. Critical Care. New Orleans, October 2007.
11. Visiting Professor and Speaker, 8<sup>th</sup> Annual Trauma Symposium, Controversies in Fluid Resuscitation, Medical College of Virginia, April 2007.
12. Invited Speaker, Western Trauma Association, Current Challenges in ICU staffing. February 2007.
13. Visiting Professor. US Army Institute of Surgical Research, Fort Sam Houston, TX July 2006.
14. Nutritional Support in Critically Ill Trauma Patients. Translating Evidence-Based Nutrition into Effective Clinical Care. ASPEN's Clinical Nutrition Week, February 2006.
15. Moderator for Critical Care session and Education session at the first annual Academic Surgical Congress meeting, San Diego, CA February 2006.
16. Speaker, Philadelphia Annual Day of Trauma, December 19<sup>th</sup>, 2005.

17. Implications of Pregnancy on a Surgical Career. Career Development Course sponsored by the Association of Academic Surgeons and held in conjunction with the 91<sup>st</sup> Annual Clinical Congress of the American College of Surgeons. October 2005.
18. Education Research. Fundamentals of Surgical Research Course sponsored by the Association of Academic Surgeons and held in conjunction with the 91<sup>st</sup> Annual Clinical Congress of the American College of Surgeons. October 2005.
19. Enteral Support in Critically Ill Surgical Patients: Problems, Placement, and Pitfalls. 33<sup>rd</sup> Annual Meeting of the American College of Surgeons. April 2005.
20. Moderator for general session of the South Texas Chapter of the American College of Surgeons, Houston, TX March 2005.
21. Moderator for the Education Session at the 66<sup>th</sup> Annual Meeting of the Society of University Surgeons, Nashville, TN, February 2005.
22. Moderator for Critical Care Oral Poster Session at the 38<sup>th</sup> annual meeting of the Association of Academic Surgery, Houston, TX, November 2004.
23. Nutrition in the ICU. AACP Critical Care Board Review Course, Orlando, FL, August 2004.
24. Abdominal Infections. AACP Critical Care Board Review Course, Orlando, FL, August 2004.
25. Role of the Gut in Multiple Organ Failure. 33<sup>rd</sup> Critical Care Congress of the Society of Critical Care Medicine. February 2004
26. Moderator for Critical Care Session at the 65<sup>th</sup> Annual Meeting of the Society of University Surgeons, St. Louis, MO., February 2004.
27. Staying in academics: Learning how to SWIM (surgeon, women, investigator, and mom). 37<sup>th</sup> annual meeting of the Association of Academic Surgery, Sacramento, CA. November 2003.
28. Education Research. Fundamentals of Surgical Research Course. 37<sup>th</sup> annual meeting of the Association of Academic Surgery, Sacramento, CA, November 2003.
29. Moderator for the Education session at the 37<sup>th</sup> annual meeting of the Association of Academic Surgery, Sacramento, CA, November 2003.
30. Nutrition. AACP Critical Care Board Review Course, Phoenix, AZ, August 2003.

31. Abdominal Infections. AACCP Critical Care Board Review Course, Phoenix, AZ, August 2003.
32. Early goal-directed monitoring of the trauma patient. Postgraduate course: Resuscitation and the immediate care of the trauma patient. American College of Surgeons, April 2003.
33. Moderator for the Critical Care session at the 64<sup>th</sup> annual meeting of the Society of University Surgeons, Houston, TX February 2003.
34. Sodium coupled solutes modulate small bowel function after ischemia/reperfusion injury. 64<sup>th</sup> annual meeting of the Society of University Surgeons, Houston, TX February 2003.

## **REGIONAL**

1. Committee on Women's Issues, American College of Surgeons. Women in Surgery: Career Development Seminar. Moderator and speaker. Houston, Texas November 19 – 20, 2009
2. Glutamine, a novel PPAR gamma mediator. Digestive Disease Center, Houston, TX, November 2007.
3. Enteral Glutamine, From Bedside to Benchtop and Back. Grand Rounds, Department of Surgery, The Methodist Hospital, Houston, TX, September 2007.
4. Enteral Feeding Protocol, Society for Parenteral and Enteral Nutrition, Houston, Texas, April 2004.
5. Nutrition in the Surgical ICU. Texas Society for Parenteral and Enteral Nutrition, Dallas, TX, September, 2003.

## **LOCAL**

1. Update on Resuscitation Strategies. The Hobert Trauma Symposium, Methodist Health System, Dallas, TX, October 2008.
2. Challenges in ICU Staffing. Grand Rounds. Department of Surgery. University of Texas-Houston, Houston, TX 2008
3. Update on Enteral Nutrition. Grand Rounds, Pulmonary and Critical Care, Department of Medicine, University of Texas-Houston, Houston, TX April 2007.
4. Enteral Nutrition. From Bedside to Benchwork. Grand Rounds. Department of Surgery, University of Texas-Houston, Houston, TX, February 2006.

5. Education Research. Grand Rounds. Department of Surgery, University of Texas-Houston, Houston, TX November 2003.
6. ICU considerations of the morbidly obese. Grand Rounds, Department of Surgery, University of Texas-Houston, Houston, TX, January, 2003.
7. Intraluminal Nutrients Modulate Gut Ischemia/Reperfusion Injury. Red Duke Professorship Day, University of Texas-Houston, Houston, TX, January 2002.
8. Trauma Critical Care Overview. Department of Emergency Medicine, University of Texas-Houston School of Medicine, Houston, TX, May 2001.
9. Effect of Intraluminal Nutrients on Gut Ischemia/Reperfusion. Red Duke Professorship Day, University of Texas-Houston, TX, January 2001.
10. Gut Absorptive Capacity Following Shock-Induced Gut Ischemia. Red Duke Professorship Day, University of Texas-Houston, Houston, TX, January 2000.
11. Penetrating Trauma. Division of Emergency Medicine, St. Christopher's Hospital for Children, Philadelphia, PA, February 1998.
12. Abdominal Trauma. Surgical Grand Rounds, Crozier Chester Medical Center, Philadelphia, PA, October 1997.
13. Pancreatic and Duodenal Trauma. Surgical Grand Rounds, Mercy Catholic Medical Center, Philadelphia, PA, September 1997.
14. Pancreaticoduodenal Trauma. Surgical Grand Rounds, Allegheny University of the Health Sciences, Philadelphia, PA, October 1996.

December 1, 2010