

CURRICULUM VITAE

22 Feb. 2011

NAME JOHN BRADLEY HOLCOMB, M.D., F.A.C.S.

PRESENT TITLE: Director, Center for Translational Injury Research
Chief, Division of Acute Care Surgery
Professor of Surgery
Vice Chair, Department of Surgery
Jack H. Mayfield, M.D. Chair in Surgery

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UNDERGRADUATE EDUCATION:

1977-1981 B.S., Biology with Honors, *Cum Laude*, Centenary
College, Shreveport, LA

GRADUATE EDUCATION

1981-1985 M.D., University of Arkansas Medical School, Little Rock,
AR

POST-GRADUATE TRAINING

1985-1986 *General Surgery Intern*, William Beaumont Army Medical
Center, El Paso, TX

1986-1987 *Commander and General Medical Officer*, U.S. Army
Health Clinic, Sinop, Turkey

1987-1991 *General Surgery Resident*, William Beaumont Army
Medical Center, El Paso, TX

POST-GRADUATE TRAINING (continued)

1991-1994 *Staff General Surgeon*, Womack Army Medical Center, Ft
Bragg, NC

1994-1997 *Surgery Attending, General Surgery Service, William Beaumont Army Medical Center, El Paso, TX*

1997-1999 *Chief, Military Trauma Research Branch, U.S. Army Institute of Surgical Research and Surgical Faculty, Brooke Army Medical Center (BAMC), Ft. Sam Houston, TX*

1999-July 2001 *Surgery Faculty, The Ben Taub General Hospital, and Director of the Joint Trauma Training Center, Houston, TX*

Aug 2001-July 2002 *Surgical Critical Care Fellow, University of Texas at Houston, TX*

Aug 2002- Jul 2008 *Commander of the United States Army Institute of Surgical Research, Ft Sam Houston, TX, and Trauma Consultant for The Army Surgeon General.*

ACADEMIC APPOINTMENTS:

1991-1994 *Assistant Consulting Professor of Surgery, Duke University Medical Center, Durham, NC*

1991 – 2001 *Assistant Professor of Surgery, Uniformed Services University of the Health Sciences, Bethesda, MD*

2001-present *Associate Professor of Surgery, Uniformed Services University of the Health Sciences, Bethesda, MD*

1999-2001 *Assistant Professor of Surgery, Baylor College of Medicine, Houston, TX*

2001-2008 *Clinical Assistant Professor of Surgery, University of Texas, Houston, TX*

2006-2008 *Clinical Professor of Surgery, University of Texas Health Sciences Center, San Antonio, TX*

2008-present *Professor of Surgery, University of Texas Health Sciences Center, Houston, TX,*

HOSPITAL APPOINTMENTS:

1991-1994 *Womack Army Medical Center, Ft. Bragg, NC*

1994-1997 *William Beaumont Army Medical Center, El Paso, TX*

1997-1999	Brooke Army Medical Center, Ft. Sam Houston, TX
1999-2001	Ben Taub General Hospital, Houston, TX
2001-2002	Memorial Hermann Hospital-TMC, Houston, TX
2002-2008	Brooke Army Medical Center, Ft. Sam Houston, TX
2008-Present	Memorial Hermann Hospital-TMC, Houston, TX

LICENSURE:

1985	Arkansas Medical License, #C-6838 (voluntary inactive status)
1998	Texas Medical License # K6604 (28 Feb 2012)

BOARD CERTIFICATION:

1992	American Board of Surgery #337762
2002	American Board of Surgery Recertification (1 July 2013)
2004	American Board of Surgery, Surgical Critical Care, #2123, (1 Jul 2015)

PROFESSIONAL ORGANIZATIONS:

1985	Member, American Medical Association
1990	Fellow, Southwestern Surgical Congress
1991	Fellow, American College of Surgeons
2000	Member, Eastern Association for the Surgery of Trauma
2000	Member, Association of Military Surgeons of the US
2000	Member, Special Operations Medical Association
2001	Member, American Association for the Surgery of Trauma
2001	Member, Houston Surgical Society
2002	Member, American Burn Association
2003	Member, Society of Critical Care Medicine
2004	Member, Western Trauma Association
2005	Member, Shock Society
2007	Member, American Surgical Association
2008	Member, Defense Health Board

PROFESSIONAL ORGANIZATIONS: COMMITTEES/POSITIONS

1991-1994	Chairman, Critical care Committee, Womack Army Medical Center, Ft. Bragg, NC
1994-1997	Medical Student Coordinator, General Surgery Service, William Beaumont Army Medical Center, El Paso, TX
1995-1997	Tumor Board Chairman, William Beaumont Army Medical Center, El Paso, TX
1994-1997	Institutional Review Board (IRB) and Institutional Animal Care and Use Committee member, William Beaumont Army Medical Center, El Paso, TX

PROFESSIONAL ORGANIZATIONS: COMMITTEES/POSITIONS
(continued)

1997-1999	IRB member, Institute of Surgical Research, Ft. Sam Houston, TX
1999-2001	IRB member, Baylor College of Medicine and Affiliated Hospitals, Houston, TX
2002-2008	BAMC Hospital Executive Council, Ft. Sam Houston, TX
2002-2008	Advisor, Trauma Consultant for the Army Surgeon General
2002-2006	Co-Chair-Trauma, NIH Resuscitation Outcomes Consortium (ROC)
2003-2006	Multi-institutional Trials Committee, American Association for the Surgery of Trauma (AAST)
2003-2007	Board of Directors, Trauma Institute of San Antonio, TX (TRISAT)
2004-2008	Novo Nordisk Phase 3 Prospective, Randomized rFVIIa Trauma Trial Steering Committee
2005-2008	Military Committee Co-Chair, AAST
2001-present	Disaster and Medical Special Operations Committee, Eastern Association for the Surgery of Trauma
2002-present	Committee for Tactical Combat Casualty Care
2006-present	Program Committee, AAST
2006-present	Scholarship Committee, Eastern Association for the Surgery of Trauma
2006-present	Multi-Institutional Trials Committee, Western Trauma Association
2007-present	National Trauma Institute, (NTI), Board of Directors,
2007-present	American College of Surgeons, Committee on Trauma,
2007-present	American College of Surgeons Scholarship Committee

PROFESSIONAL ORGANIZATIONS: COMMITTEES/POSITIONS (continued)

2009-present	Texas EMS Trauma and Acute Care Foundation, Advisory Committee
2009-present	Chair, Trauma and Injury Subcommittee, Defense Health Board Committee
April 2009	Technical Expert Panel, Vanderbilt EPC Systematic Evidence Review on Traumatic Brain Injury and Depression,

HONORS AND AWARDS:

2009	University of Texas Chancellor's Health Fellow for Trauma and Injury
2008	Service award from the American College of Surgery-Committee on Trauma for outstanding scientific contributions to the surgery of trauma and dedication to the care of wounded warriors.
2008	The United States Special Operations Command Medal
2008	Lifetime Achievement Award in Trauma Resuscitation Science, American Heart Association
2007	U.S. Army's Greatest Invention for Damage Control Resuscitation
2006	Award from the Non-Atomic Military Research and Development (NAMRAD), Principals of the Technical Cooperation Program (TTC) for the Small-Volume Hypertonic Fluid Resuscitation for Hemorrhagic Casualty Care, HUMTP-12
2005	Department of the Army Research and Development Achievement Award for Leadership Excellence
2005	U.S. Army's Greatest Invention for the Combat Application Tourniquet
2004	Honorary Medal for Combat Surgical Care (AAST)

HONORS AND AWARDS (continued):

2004	U.S. Army's Greatest Inventions Program for the Chitosan Hemostatic Dressing
2004	The Fitts Lecture: Current Perspective on Combat Casualty Care
2001	Order of Military Medical Merit
2001	"A" Designator in Military Surgery
1982	Baccalaureate Graduation Honors
1981	President, Alpha Epsilon Delta (Pre-Medical Society)
1980	Analytical Chemist of the Year

Military Awards/Decorations: 1985-2008:

Joint Meritorious Unit Award (2nd Award)
 Army Superior Unit Award
 Combat Medical Badge
 Bronze Star
 Legion of Merit
 Defense Meritorious Service Medal
 Meritorious Service Medal (3rd oak leaf cluster)
 Joint Services Commendation Medal
 Army Commendation Medal (1st oak leaf cluster)
 Joint Services Achievement Medal (1st oak leaf cluster)
 National Defense Service Medal
 Army Achievement Medal
 Armed Forces Expeditionary Medal
 Army Service Ribbon
 Overseas Ribbon.

EDITORIAL POSITIONS

Ad Hoc Reviewer:

Journal of Trauma: Injury, Infection and Critical care
Journal of Anesthesiology
Critical Care Medicine
Journal of the American Medical Association
Journal of the American College of Surgeons
Blood Coagulation & Fibrinolysis
Annals of Surgery
Vox Sanguinis
Lancet
European Journal of Anesthesiology
Surgery
British Journal of Surgery
Archives of General Psychiatry
European Journal of Emergency Medicine
Journal of Intensive Care Medicine

Editorial Board:

Trauma
World Journal of Emergency Surgery
Journal of Trauma: Injury, Infection and Critical Care. Section Editor for Military Trauma

RESEARCH MENTOR:

David Kauvar, postdoctoral fellow, 2004-2005
Heather Pidcoke, postdoctoral fellow, 2005-2008
Neil McMullin, postdoctoral fellow, 2005-2006
Joe Kelly, postdoctoral fellow, 2006-2007
Amber Ritenour, postdoctoral fellow, 2006-2007
Jason Edens, postdoctoral fellow, 2007-2008
Kenneth Jastrow, postdoctoral fellow, 2008-2009
Jeremy Ward, postdoctoral fellow, 2008-2009
Peter Walker, postdoctoral fellow, 2008-2010
Ricky Haywood-Watson, postdoctoral fellow, 2009-2010
Phil Letourneau, postdoctoral fellow, 2009-present
Hari Radhakrishnan, postdoctoral fellow, 2010-present
Supinder Bedi, postdoctoral fellow, 2010-present

CURRENT GRANT SUPPORT:

Prospective, Randomized Optimal Platelet and Plasma Ratios Principal Investigator of Clinical Coordinating Center US Department of Defense/NHLBI	2010-14 \$36, 899,000
Evaluation of Non-Invasive Hemoglobin and Pulse Pressure Variability in Trauma Patients: Clinical Validation of Masimo's Rainbow SET Handheld Oximeter Principal Investigator Office of Naval Research	2010-12 \$1, 170,340
Early Whole Blood for Patients Requiring MT after Major Trauma Co-Investigator US Department of Defense	2009-11 \$753,274
Multicenter study evaluating the use of rapid TEG Co-Investigator Haemoscope, Inc.	2010-11 \$560,000
Accelerating Early Weight Bearing Segmental Bone Regeneration Co-Investigator Extremity War Trauma Research Foundation	2010-11 \$67,500
Validation of the Athena Wireless Vital Signs Monitor Principal Investigator National Trauma Institute	2007-11 \$220,000
Role of the Gut in Post-Injury Multiple Organ Failure Principal Investigator National Institutes of Health/NIGMS 5T32GM008792-09	2001-11 \$172,333/yr
Pathogenesis of Multiple Organ Failure Principle Investigator National Institutes of Health/NIGMS 5P50GM038529-NCE	2010-11 \$162,474/yr

PAST GRANT SUPPORT:

Prospective Evaluation of Aeromedical EMS Ultrasound Principal Investigator Sonosite, Inc.	2009-10 \$100,000
Mission Connect Mild TBI Translational Research Consortium Principal Investigator US Department of Defense	2008-11 \$384,442
Prospective Multicenter Transfusion Study in Trauma Patients Co-Investigator US Department of Defense/MRMC	2008-10 \$9,200,000
TexSHIELD Co-Investigator US Department of Defense/TATRC	2007-10 \$808,111
Dry Fibrin Sealant Dressing for Hemorrhage Control after a Ballistic Injury Principle Investigator Special forces Operational Detachment - Delta	1995-96 \$5,000
Laparoscopic Hernia Repair with Atrium Mesh™ Principle Investigator Atrium Medical	1995-96 \$5,000
Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator Joint Special Operations Command	1996-97 \$25,000
Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator USA Medical Research and Material Command	1996-97 \$50,000
Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator USA Medical Research and Material Command	1996-97 \$94,000
Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator USA Medical Research and Material Command	1996-97 \$100,000
Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator American Red Cross	1996-97 \$50,000

PAST GRANT SUPPORT (continued):

Development and Testing of the Dry Fibrin Sealant Dressing Principle Investigator USA Special Operations Command	1997-98 \$182,000
Optimal Device for Treating Tension Pneumothorax by Combat Medics Principle Investigator Marine Corps Combat Development Command	1997-98 \$75,000
Development and Testing of a Hemostatic Foam for Hemorrhage Control from Non-compressible Hemorrhage Principle Investigator USA Special Operations Command	1997-99 \$186,000
Evaluation of Fibrin Dressings for Hemorrhage Control in a Simulated Land Mine Injury Co- Principle Investigator American Red Cross	1999-00 \$100,000
Continuous Physiologic Data Acquisition and Analysis across the Trauma Spectrum Principle Investigator US Army MRMC	2000-01 \$50,000
Continuous Physiologic Data Analysis after Trauma Principle Investigator DARPA	2001-02 \$200,000
Continuous Physiologic Data Analysis after Trauma Principal Investigator US Army MRMC	2001-02 \$140,000
Reducing mortality from acute hemorrhage in trauma Consultant; Hess (PI), 1U01HL072359-01 Clinical Research Center Grant in the National Transfusion Medicine/Hemostasis Clinical Research Network.	2002-07 \$1.49 million/5 years

PUBLICATIONS:

1. Kragh JF Jr, Wade CE, Baer DG, Jones JA, Walters TJ, Hsu JR, Wenke JC, Blackburne LH, **Holcomb JB**. Fasciotomy rates in operations enduring freedom and iraqi freedom: association with injury severity and tourniquet use. *J Orthop Trauma*. 2011 Mar; 25(3):134-9.
2. Duan C, Cao Y, Deng X, Wang W, Yang W, Liu X, Chen Z, Pati S, Kozar RA, Gonzalez EA, Wade CE, **Holcomb JB**, Ko TC. Increased TGF- β Contributes to Deterioration of Refrigerated Fresh Frozen Plasma's Effects in Vitro on Endothelial Cells. *Shock*. 2011 Feb 15. Epub ahead of print.
3. **Holcomb JB**, Weiskopf R, Champion H, Gould SA, Sauer RM, Brasel K, Bochicchio G, Bulger E, Cotton BA, Davis D, Dutton R, Hauser CJ, Hess JR, Hides GA, Knudson P, Mackenzie E, McGinnis RL, Michalek J, Moore FA, Omert L, Pollock BH, Tortella B, Sugarman J, Schreiber MA, Wade CE. Challenges to effective research in acute trauma resuscitation: consent and endpoints. *Shock* 2011 Feb; 35(2):107-13.
4. Perkins JG, Cap AP, Spinella PC, Shorr AF, Beekley AC, Grathwohl KW, Rentas FJ, Wade CE, **Holcomb JB**, the 31st Combat Support Hospital Research Group. Comparison of platelet transfusion as fresh whole blood versus apheresis platelets for massively transfused combat trauma patients (CME). *Transfusion*. 2011 Feb; 51(2):242-252
Doi:10.1111/j.1537-2995.2010.02818.x.
5. Muellner SK, Haut ER, Streiff MB, **Holcomb JB**, Cotton BA. ABO blood groups as a potential risk factor for venous thromboembolism in acutely injured patients. *Thromb Haemost*. 2011 Jan 3; 105(1):5-13.
6. Pati S, Khakoo AY, Zhao J, Jimenez F, Gerber MH, Harting M, Redell JB, Grill R, Matsuo Y, Guha S, Cox CS, Reitz MS, **Holcomb JB**, Dash PK. Human mesenchymal stem cells inhibit vascular permeability by modulating vascular endothelial cadherin/ β -catenin Signaling. *Stem Cells Dev*. 2011 Jan; 20(1):89-101.
7. Knudson MM, Cohen MJ, Reidy R, Jaeger S, Bacchetti P, Jin C, Wade CE, **Holcomb JB**. Trauma, transfusions, and use of recombinant factor VIIa: A multicenter case registry report of 380 patients from the Western Trauma Association. *J Am Coll Surg*. 2011 Jan; 212(1):87-95.
8. Matijevic N, Kostousov V, Wang YW, Wade CE, Wang W, Letourneau P, Hartwell E, Kozar R, Ko T, **Holcomb JB**. Multiple levels of degradation diminish hemostatic potential of thawed plasma. *J Trauma*. 2011 Jan; 70(1):71-9; discussion 79-80.

9. Eastridge BJ, Butler F, Wade CE, **Holcomb JB**, Salinas J, Champion HR, Blackbourne LH. Field Triage Score (FTS) in battlefield casualties: Validation of a novel triage technique in a combat environment. *Am J Surg*. 2010 Dec;200(6):724-7; discussion 727.
10. Azizzadeh A, Valdes J, Miller CC 3rd, Nguyen LL, Estrera AL, Charlton-Ouw K, Coogan SM, **Holcomb JB**, Safi HJ. The Utility of Intravascular Ultrasound Compared to Angiography in the Diagnosis of Blunt Traumatic Aortic Injury. *J Vasc Surg*. 2010 Dec 1. Epub ahead of print.
11. Spoerke NJ, Van PY, Differding JA, Zink KA, Cho SD, Muller PJ, Karahan ZA, Sondeen JL, **Holcomb JB**, Schreiber MA. Red Blood Cells Accelerate the Onset of Clot Formation in Polytrauma and Hemorrhagic Shock. *J Trauma*. 2010 Nov; 69(5):1054-9; discussion 1059-61.
12. Inaba K, Lustenberger T, Rhee P, **Holcomb JB**, Blackbourne LH, Shulman I, Nelson J, Talving P, Demetriades D. The impact of platelet transfusion in massively transfused trauma patients. *J Am Coll Surg* 2010 Nov; 211(5):573-9.
13. Chung KK, Wolf SE, Renz EM, Allan PF, Aden JK, Merrill GA, Shelhamer MC, King BT, White CE, Bell DG, Schwacha MG, Wanek SM, Wade CE, **Holcomb JB**, Blackbourne LH, Cancio LC. High-frequency percussive ventilation and low tidal volume ventilation in burns: A randomized controlled trial. *Crit Care Med*. 2010 Oct; 38(10):1970-7.
14. Letourneau PA, Pati S, Gerber MH, Jimenez F, **Holcomb JB**. Fresh Frozen Plasma Increases Adhesion Molecule Expression on Human Pulmonary Endothelial Cells. *J Surg Res*. 2010 Oct; 163(2):317-22.
15. Bulger EM, May S, Brasel KJ, Schreiber M, Kerby JD, Tisherman SA, Newgard C, Slutsky A, Coimbra R, Emerson S, Minei JP, Bardarson B, Kudenchuk P, Baker A, Christenson J, Idris A, Davis D, Fabian TC, Aufderheide TP, Callaway C, Williams C, Banek J, Vaillancourt C, van Heest R, Sopko G, Hata JS, Hoyt DB; ROC Investigators. Out-of-hospital hypertonic resuscitation following severe traumatic brain injury: a randomized controlled trial. *JAMA* 2010 Oct 6; 304(13): 1455-64.
16. Inaba K, Branco BC, Rhee P, **Holcomb JB**, Blackbourne LH, Shulman I, Nelson J, Demetriades D. Impact of ABO-identical vs ABO-compatible nonidentical plasma transfusion in trauma patients. *Arch Surg* 2010 Sept; 145(9): 899-906.
17. D'Avignon LC, Hogan BK, Murray CK, Loo FL, Hospenthal DR, Cancio LC, Kim SH, Renz EM, Barillo D, **Holcomb JB**, Wade CE, Wolf SE. Contribution of bacterial and viral infections to attributable mortality in patients with severe burns: an autopsy series. *Burns*. 2010 Sep; 36(6):773-9.

18. Nunez TC, Dutton WD, May AK, **Holcomb JB**, Young PP, Cotton BA. Emergency department blood transfusion predicts early massive transfusion and early blood component requirement. *Transfusion*. 2010 Sep; 50(9):1914-20. doi: 10.1111/j.1537-2995.2010.02682.x.
19. Hauser CJ, Boffard K, Dutton R, Bernard GR, Croce MA, **Holcomb JB**, Leppaniemi A, Parr M, Vincent JL, Tortella BJ, Dimsits J, Bouillon B; CONTROL Study Group. Results of the CONTROL trial: efficacy and safety of recombinant activated Factor VII in the management of refractory traumatic hemorrhage. *J Trauma*. 2010 Sep; 69(3):489-500.
20. Wade CE, Eastridge BJ, Jones JA, West SA, Spinella PC, Perkins JG, Dubick MA, Blackbourne LH, **Holcomb JB**. Use of recombinant factor VIIa in US military casualties for a five-year period. *J Trauma*. 2010 Aug; 69(2):353-9.
21. Christensen MC, Parr M, Tortella BJ, Malmgren J, Morris S, Rice T, **Holcomb JB**; CONTROL Study Group. Global differences in causes, management, and survival after severe trauma: the recombinant activated factor VII phase 3 trauma trial. *J Trauma* 2010 Aug; 69(2):344-52.
22. Edens JW, Chung KK, Pamplin JC, Allan PF, Jones JA, King BT, Cancio LC, Renz EM, Wolf SE, Wade CE, **Holcomb JB**, Blackbourne LH. Predictors of early acute lung injury at a combat support hospital: a prospective observational study. *J Trauma* 2010 Jul; 69 Suppl 1:S81-6.
23. Van PY, Sambasivan CN, Wade CE, Jones JA, **Holcomb JB**, Schreiber MA, Blackbourne LH. High transfusion ratios are not associated with increased complication rates in patients with severe extremity injuries. *J Trauma* 2010 Jul; 69 Suppl 1:S64-8.
24. 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.
25. Eastridge BJ, Wade CE, Spott MA, Costanzo G, Dunne J, Flaherty S, **Holcomb JB**, West S, Apodaca A, Blackbourne L, Cassells SW. Utilizing a trauma systems approach to benchmark and improve combat casualty care. *J Trauma* 2010 Jul; 69 Suppl 1:S5-9.
26. Larson CR, White CE, Spinella PC, Jones JA, **Holcomb JB**, Blackbourne LH, Wade CE. Association of shock, coagulopathy, and initial vital signs with massive transfusion in combat casualties. *J Trauma* 2010 Jul; 69 Suppl 1:S26-32.
27. Allen PB, Salyer SW, Dubick MA, **Holcomb JB**, Blackbourne LH, Wade CE. Preventing hypothermia: comparison of current devices used by the US Army in an in vitro warmed fluid model. *J Trauma* 2010 Jul; 69 Suppl 1:S154-61.

28. Beekley AC, Martin MJ, Nelson T, Grathwohl KW, Griffith M, Beilman G, **Holcomb JB**. Continuous noninvasive tissue oximetry in the early evaluation of the combat casualty: a prospective study. *J Trauma* 2010 July; 69 Suppl 1:S14-25.
29. McMullin NR, Wade CE, **Holcomb JB**, Nielsen TG, Rossaint R, Riou B, Rizoli SB, Kluger Y, Choong PI, Warren B, Tortella BJ, Boffard KD; NovoSeven Trauma Study Group. Prolonged prothrombin time after recombinant activated factor VII therapy in critically bleeding trauma patients is associated with adverse outcomes. *J Trauma*. 2010 Jul; 69 (1): 60-9.
30. Estrera AL, Gochmour DC, Azizzadeh A, Miller CC 3rd, Coogan S, Charlton-Ouw K, **Holcomb JB**, Safi HJ. Progress in treatment of blunt thoracic aortic injury: 12-year single-institution experience. *Ann Thorac Surg*. 2010 Jul; 90(1): 64-71.
31. **Holcomb JB**. Traditional transfusion practices are changing. *Crit Care*. 2010; 14(3): 162.
32. Nunez TC, Young PP, **Holcomb JB**, Cotton BA. Creation, implementation, and maturation of a massive transfusion protocol for the exsanguinating trauma patient. *J Trauma*. 2010 June; 68(6): 1498-505.
33. Inaba K, Branco BC, Rhee P, Blackbourne LH, **Holcomb JB**, Teixeira PG, Shulman I, Nelson J, Demetriades D. Impact of plasma transfusion in trauma patients who do not require massive transfusion. *J Am Coll Surg*. 2010 Jun; 210(6): 957-65.
34. Lundy JB, Swift CB, McFarland CC, Mahoney LC, Perkins RM, **Holcomb JB**. A Descriptive Analysis of Patients Admitted to the Intensive Care Unit of the 10th Combat Support Hospital Deployed in Ibn Sina, Baghdad, Iraq From October 19, 2005 to October 19, 2006. *J Intensive Care Med*. 2010 May-June; 25(3): 156-62.
35. Ritenour AE, Blackbourne LH, Kelly JF, McLaughlin DF, Pearse LA, **Holcomb JB**, Wade CE. Incidence of primary blast injury in US military overseas contingency operations: a retrospective study. *Ann Surg*. 2010 June; 251(6):1140-4.
36. Yun HC, Blackbourne LH, Jones JA, **Holcomb JB**, Hospenthal DR, Wolf SE, Renz EM, Murray CK. Infectious complications of noncombat trauma patients provided care at a military trauma center. *Mil Med*. 2010 May; 175(5): 317-23.
37. Ritenour AE, Christy RJ, Roe JL, Baer DG, Dubick MA, Wade CE, **Holcomb JB**, Walters TJ. The effect of a hypobaric, hypoxic environment on acute skeletal muscle edema after ischemia-reperfusion injury in rats. *J Surg Res*. 2010 May 15; 160(2):253-9.
38. Champion HR, **Holcomb JB**, Lawnick MM, Kelliher T, Spott MA, Galarneau MR, Jenkins DH, West SA, Dye J, Wade CE, Eastridge BJ, Blackbourne LH, Shair EK. Improved Characterization of combat injury. *J Trauma*. 2010 May; 68(5): 1139-50.

39. Ritenour AE, Christy RJ, Roe JL, Baer DG, Dubick MA, Wade CE, **Holcomb JB**, Walters TJ. The Effect of a Hypobaric, Hypoxic Environment on Acute Skeletal Muscle Edema after Ischemia-Reperfusion injury in Rats. *J Surg Res*. 2010 May 15; 160(2):253-9.
40. Newgard CD, Schmicker RH, Hedges JR, Trickett JP, Davis DP, Bulger EM, Aufderheide TP, Minei JP, Hata JS, Gubler KD, Brown TB, Yelle JD, Bardarson B, Nichol G, **Holcomb JB**, and Resuscitation Outcomes Consortium Investigators. Emergency medical services intervals and survival in trauma: assessment of the "golden hour" in a North American prospective cohort. *Ann Emerg Med*. 2010 Mar; 55(3):235-246.e4.
41. Newgard CD, Rudser K, Hedges JR, Kerby JD, Stiell IG, Davis DP, Morrison LJ, Bulger E, Terndrup T, Minei JP, Bardarson B, Emerson S, **Holcomb, JB**, and other ROC Investigators. A critical assessment of the out-of-hospital trauma triage guidelines for physiologic abnormality. *J Trauma*. 2010 Feb; 68(2):452-62.
42. Levy JH, Dutton RP, Hemphill JC 3rd, Shander A, Cooper D, Paidas MG, Kessler CM, **Holcomb JB**, Lawson JH, Hemostasis Summit Participants. Multidisciplinary approach to the challenge of hemostasis. *Anesth Analg*. 2010 Feb; 110(2): 354-64.
43. Pidocke HF, Wade CE, Mann EA, Salinas J, Cohee BM, **Holcomb JB**, Wolf SE. Anemia causes hypoglycemia in intensive care unit patients due to error in single-channel glucometers: methods of reducing patient risk. *Crit Care Med*. 2010 Feb;38(2):471-6.
44. **Holcomb JB**, Spinella PC. Optimal use of blood in trauma patients. *Biologicals*. 2010 Jan; 38(1):72-7.
45. Bouillon B, Brohi K, Hess JR, **Holcomb JB**, Parr MJ, Hoyt DB. Education initiative on critical bleeding in trauma: Chicago, July 11-13, 2008. *J Trauma*. 2010 Jan; 68 (1):225-30.
46. Eastridge BJ, Costanzo G, Jenkins D, Spott MA, Wade C, Greydanus D, Flaherty S, Rappold J, Dunne J, **Holcomb JB**, Blackburne LH. Impact of joint theater trauma system initiatives on battlefield injury outcomes. *Am J Surg*. 2009 Dec; 196(6):852-7.
47. McLaughlin DF, Wade CE, Champion HR, Salinas J, **Holcomb JB**. Thromboembolic complications following trauma. *Transfusion*. 2009 Dec; 49 Suppl 5:256S-63S.
48. Cox ED, Schreiber MA, McManus J, Wade CE, **Holcomb JB**. New hemostatic agents in the combat setting. *Transfusion*. 2009 Dec; 49 Suppl 5:248S-55S.

49. Silverman TA, Weiskopf RB; Planning Committee and the Speakers. Hemoglobin-based oxygen carriers: current status and future directions. *Anesthesiology*. 2009 Nov; 111(5):946-63.
50. Spinella PC, **Holcomb JB**. Resuscitation and transfusion principles for traumatic hemorrhagic shock. *Blood Rev*. 2009 Nov; 23(6):231-40.
51. Pidcoke HF, Wanek SM, Rohleder LS, **Holcomb JB**, Wolf SE, Wade CE. Glucose variability is associated with high mortality after severe burn. *J Trauma*. 2009 Nov; 67(5):990-5.
52. Dutton R, Hauser C, Boffard K, Dimsitts J, Bernard G, **Holcomb J**, Leppäniemi A, Tortella B, Bouillon B; CONTROL Steering Committee. Scientific and logistical challenges in designing the CONTROL trial: recombinant factor VIIa in severe trauma patients with refractory bleeding. *Clin Trials*. 2009 Oct; 6(5):467-79.
53. White CE, Hsu JR, **Holcomb JB**. Haemodynamically unstable pelvic fractures. *Injury*. 2009 Oct; 40 (10): 1023-30.
54. Alam HB, Bice LM, Butt MU, Cho SD, Dubick MA, Duggan M, Englehart MS, **Holcomb JB**, Morris MS, Prince MD, Schreiber MA, Shults C, Sondeen JL, Tabbara M, Tieu BH, Underwood SA; Hemostatic Resuscitation Research Group. Testing of blood products in a polytrauma model: results of a multi-institutional randomized preclinical trial. *J Trauma*. 2009 Oct; 67(4):856-64.
55. Spoerke N, Zink K, Cho SD, Differding J, Muller P, Karahan A, Sondeen J, **Holcomb JB**, Schreiber M. Lyophilized plasma for resuscitation in a swine model of severe injury. *Arch Surg*. 2009 Sep; 144(9):829-34.
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Holcomb JB. Theater Trauma Registry/System to Include Advances in Combat Casualty Care. Oral Presentation, 2005 AUSA Medical Symposium, San Antonio, TX, 28 June 2005.

Holcomb JB. KIA and Dow Rates in Iraq and Afghanistan – How are we Doing?" Oral Presentation, 2005 AUSA Medical Symposium, San Antonio, TX, 28 June 2005.

Holcomb JB. Combat Trauma Management: What are the Applications in the Civilian Populations? Oral Presentation, Health Answers Education, Managing Trauma: Expert Opinions on State of the Art and Potential Future, Atlanta, GA, 22 September 2005.

Holcomb JB. Systolic Blood Pressure Analysis and Heart Rate Variability. Oral Presentation, American College of Surgeons (ACS), 91st Annual Clinical Congress, San Francisco, CA, 17 October 2005.

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Holcomb JB. Current Status and Challenges of Combat Pain Management. Oral Presentation. TTCP Combat Main Management: Future Direction and Collaboration, Advanced Technology Applications for Combat Casualty Care (ATACCC), St. Pete Beach, FL, 13 August 2006.

Holcomb JB. Damage Control Resuscitation In Iraq. Oral Presentation. Advanced Technology Applications for Combat Casualty Care (ATACCC), St. Pete Beach, FL, 14 August 2006.

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Holcomb JB. Moderator for Military Session/Trauma Management. American Association for the Surgery of Trauma (AAST) Annual Meeting, Las Vegas, NV, 28 September 2007.

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Holcomb JB. Back to the Future: Whole Blood. Oral Presentation, AABB Annual Meeting & TSPO 2007, Anaheim, CA, 23 October 2007.

Holcomb JB. Novel Approaches to Field Resuscitation of Trauma Session: Trauma Lessons from Iraq. Oral Presentation, American Heart Association Committee for the Resuscitation Science Symposium (ReSS), Orlando, FL, 3 November 2007.

Holcomb JB. Traumatic Injury: Implications and Therapy for Hemostasis. Oral Presentation, Bleeding and Therapeutic Approaches in 2008, New Therapies and New Paradigms Meeting, Atlanta, GA, 6 December 2007.

Holcomb JB. Department of Defense Healthcare Funding: Priorities & Criteria. Panelist, ABA National Leadership Conference, Washington, D.C., 29 January 2008.

Holcomb JB. Overview of Explosion Physics. Oral Presentation, TBI and PH Plenary Session, 2008 Medical Health System Conference, Washington, D.C., 30 January 2008.

Holcomb JB. Surgical Innovations – Saving Lives in OEF/IEF. Oral Presentation, 2008 Medical Health System Conference, Washington, D.C., 30 January 2008.

Holcomb JB. End Point Initiative Meeting. Meeting Chair, National Trauma Institute, Dallas, TX, 19 February 2008.

Holcomb JB. Update Damage Control Resuscitation. Oral Presentation, Damage Control: Bringing Home the Lessons of War, 2nd Collaborative Meeting of the AAST, Bethesda, MD, 12 March 2008.

Holcomb JB. Update on Interventions for Achieving Operative Hemostasis: A Case-Based Approach. Oral Presentation, Cardiovascular and Metabolic Health Foundation and The Postgraduate Institute for Medicine Symposium, Las Vegas, NV, 25 March 2008.

Holcomb JB. Increased Plasma and Platelet to RBC Ratios Improves Outcome in 466 Massively Transfused Civilian Trauma Patients. Oral Presentation, American Surgical Association 128th Annual Meeting, New York City, NY, 25 April 2008.

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Holcomb JB. Improved Hemostasis in Trauma Patients. Trauma Grand Rounds at the Oregon Health & Science University, Portland, OR, 16-17 November 2003.

Martini WZ, Uscilowicz JM, Pusateri AE, Delgado AV, **Holcomb JB.** Independent Contributions of Hypothermia and Acidosis to Coagulopathy in Swine. Oral Presentation at the Eastern Association for the Surgery of Trauma, Amelia Island, FL, Jan, 2004.

Holcomb JB. Novel Hemostatic Agents and Surgical Combat Casualty Care. Oral Presentation at the Throckmorton Surgical Society Surgical Symposium on Trauma, Des Moines, IA, 16-17 April 2004.

Holcomb JB. Bench to Battlefield: Use of rFVIIa. Oral Presentation at the Department of Surgery Grand Rounds, Madigan Army Medical Center, Tacoma, WA, 22-24 September 2004.

Holcomb JB. An Update on Iraq: Resuscitation and Evacuation. Oral Presentation at the Hutchinson Technology Inc., 2nd Annual Directors' Forum, Maui, Hawaii, 30 September 2004.

Holcomb JB. Manual Vital Signs Reliably Predict Need for Life Saving Interventions in Trauma Patients. Oral Presentation, Eastern Association for the Surgery of Trauma, Fort Lauderdale, FL, 12 January 2005.

REGIONAL (continued)

Holcomb JB. Current Perspective on Combat Casualty Care. Oral Presentation, Grand Rounds, University of Pittsburgh, Pittsburgh, PA, 20 April 2005.

Holcomb JB. Induced Hypothermia – Is It Cool to Chill?? Oral Presentation, 12th Annual University of Southern California Trauma/Critical Care Symposium, Pasadena, CA, 23 May 2005.

Holcomb JB. The Army Experience in Iraq. Oral Presentation, 12th Annual University of Southern California Trauma/Critical Care Symposium, Pasadena, CA, 23 May 2005.

Holcomb JB. Heart Rate Variability in Trauma Patients. Oral Presentation, Surgical Biology Club III Scientific Meeting, San Francisco, CA, 16 October 2005.

Holcomb JB. Combat Casualty Care, Oral Presentation. Visiting Professor, Uniformed Services University of Health Sciences, Bethesda, MD, 23 February 2006.

Holcomb JB. Damage Control Resuscitation. Oral Presentation, Grand Rounds, University of Tennessee, Chattanooga, TN, 18 October 2006.

Holcomb JB. Complex Pulmonary Injuries. Oral Presentation, Critical Care and Trauma Symposium, Harvard Medical School, Boston, MA, 6 November 2006.

Holcomb JB. The Joint Theater Trauma System, Trauma Surgery Research and their DOTMLGP Implications. Oral Presentation, Officer Professional Development, Command and General Staff College, Fort Leavenworth, KS, 21 November 2006.

Holcomb JB. When and How to use Damage Control Resuscitation. Oral Presentation, Grand Rounds, University of Wake Forest, Winston-Salem, NC, 11 April 2007.

Holcomb JB. Damage Control Resuscitation: Directly Addressing the Early Coagulopathy of Trauma. Oral Presentation, 2007 Ohio Chapter Annual Meeting, American College of Surgeons, Columbus, Ohio, 12 May 2007.

Holcomb JB. Damage Control Resuscitation. Oral Presentation, Atlanta Surgical Association, Atlanta, GA, 17 May 2007.

Holcomb JB. Damage Control From a Resuscitation Point of View. Oral Presentation, Grand Rounds, University of Arkansas Medical School, Little Rock, AR, 10 July 2007.

Holcomb JB. Casualties of War. Oral Presentation, The New Yorker Festival, New York City, NY, 6 October 2007.

Holcomb JB. Damage Control Resuscitation. Oral Presentation, Kentucky Statewide Trauma Symposium, Louisville, KY, 30 November 2007.

REGIONAL (continued)

Holcomb JB. Soldier Medicine. Oral Presentation, Grand Rounds. Beth Israel Deaconess Medical Center, Department of General Surgery, Boston, MA, 19 December 2007.

Holcomb JB. Seminar on Soldier Medicine. Oral Presentation, Institute for Soldier Nanotechnologies, Massachusetts Institute of Technology, Cambridge, MA, 19 December 2007.

Holcomb JB. Orthopedic War Injuries: Lessons for the Trauma Surgeon. Moderator, Military Session, 2008 Eastern Association for the Surgery of Trauma, Jacksonville, FL, 16 January 2008.

Gonzalez EA, Jastrow K, **Holcomb JB**, Kao LS, Moore FA, Kozar RA. Early Achievement of a 1:2 Ratio of FFP:PRBC. Oral Presentation, Western Trauma Association, Squaw Valley, CA, 26 February 2008.

Holcomb JB, Jurkovich GJ. Point: Counterpoint I. Oral Presentation, Western Trauma Association, Squaw Valley, CA, 27 February 2008.

Holcomb JB. Lessons from Five Years of War, Taking it to the Front Lines: Damage Control at War, War Surgeon: The Steep Learning Curves. Oral Presentation, San Diego Day of Trauma, November, 2008.

Holcomb JB. Lessons Learned from Iraq Conflict, New Concepts in Transfusion Therapy in the Critically Injured Patient. Oral Presentation, Detroit Trauma Symposium, November, 2008.

Holcomb JB. Oral Presentation, Grand Rounds, Seattle Washington, November, 2008.

Holcomb JB. Increased Platelet:RBC Ratios are Associated with Improved Survival after Massive Transfusions. Western Trauma Association, February, 2009.

Holcomb JB. On the Front Line: Lessons Learned. Keynote Speech, South Bend Trauma Symposium, March 2009

Holcomb JB. Mitigating Iatrogenic Resuscitation Injury. Grand Rounds, Oregon Health and Science University, March, 2009.

Holcomb JB. Adding Plasma to Red Cells. Portland Oregon Surgical Society, March, 2009.

Holcomb JB. Damage control (1:1:1) Haemostatic Resuscitation: A Proved Concept? Western Trauma Association, March 2010

Holcomb JB. Damage Control Resuscitation. Annual Research Day Speaker, University of Western Ontario, May, 2010.

Holcomb JB. Damage Control Resuscitation: Avoiding Iatrogenic Resuscitation Injury. Grand Rounds, University of Minnesota, May, 2010.

REGIONAL (continued)

Holcomb JB. Coagulation and Inflammatory Effects of Plasma. ICU Presentation, University of Minnesota, May 2010.

Holcomb JB. Mandatory Colostomy to Combat Colon Injuries. 2nd Annual Austin Trauma and Critical Care Conference, Austin, TX, June 2010.

Holcomb JB. transfusion Practices: Lessons Learned from Combat. 2nd Annual Austin Trauma and Critical Care Conference, Austin, TX, June 2010.

Holcomb JB. Wireless Vital Sign Monitoring. 2nd Annual Austin Trauma and Critical Care Conference, Austin, TX, June 2010.

Holcomb JB. Blood Transfusion for the 21st Century. Oregon/Washington ACS Chapter Meeting, Sunriver, Oregon, June 2010.

Holcomb JB. Prehospital Care. Medic One Prehospital Trauma Symposium, Keynote Speaker, University of Washington, Seattle, WA, 31 January 2010.

LOCAL

Holcomb JB. New Techniques for Improved Hemorrhage Control. Surgery Grand Rounds, Baylor College of Medicine, Houston, TX, 4 December 1999.

Holcomb JB. New Techniques for Improved Hemorrhage Control. Surgery Grand Rounds, UT-Houston, TX, 16 October 2001.

Holcomb JB. Combat Casualty Care in Iraq. Oral Presentation, Grand Rounds, University of Texas Health Science-Houston, Houston, TX, 15 December 2004.

Holcomb JB. Heart Rate Variability. Oral Presentation. Grand Rounds, University of Texas – Houston Medical School, Houston, TX, 19 January 2006.

Holcomb JB. Current Combat Casualty Care, Oral Presentation. Grand Rounds, University of Texas-Houston Health Science Center, Houston, TX, 9 February 2006.

Holcomb JB. Minimizing Iatrogenic Resuscitation injury. Grand Rounds, University of Texas. November, 2008.

Holcomb JB. Improving Extremity Hemorrhage Control: Civilian Applications of Combat Products. Katy Emergency Medical Services, December, 2009.

Holcomb JB. Improving Extremity Hemorrhage Control: Civilian Applications of Combat Products. Brazoria County EMS, March, 2009.

LOCAL (continued)

Holcomb JB. Lessons Learned from the War. University of Texas Medical School, Orthopedic Grand Rounds. Houston, TX, February 2010.

Holcomb JB. Understanding the Current Principles Regarding Resuscitation and Blood Component Replacement in the Management of Acute Hemorrhage. OBGYN Lecture, University of Texas – Houston Medical School, Houston, TX, 16 March 2010.

Holcomb JB and Deborah Del Junco. The Epidemiology and Control of Traumatic Injury: A Global Health Priority. Issues in Global Health Lecture Series, University of Texas-Houston Health Science Center, Houston, TX, 12 April 2010.

Holcomb JB. Blackhawk Down Scenario. Housestaff Association Meeting, Houston, TX, 14 April 2010.