

Curriculum Vitae
Thomas E. Grissom, MD, MSIS, FCCM
Associate Professor, Department of Anesthesiology
University of Maryland School of Medicine

Date 21 November 2016

Contact Information

Business Address: Division of Trauma Anesthesiology
R Adams Cowley Shock Trauma Center
22 South Greene Street, Room T1R77
Baltimore, MD 21201

Business Phone Number: 410-328-2628
Fax Number: 410-328-3138
Email: tgrissom@umm.edu

Education

B.S. in Astronautical Engineering and Biological Sciences, U.S. Air Force Academy, Colorado Springs, CO	1982
M.D., Uniformed Services University, Bethesda, MD	1986
Masters of Science in Information Systems, University of Maryland, Baltimore County, Baltimore, MD	2012

Post Graduate Education and Training

Internship, Anesthesiology Wilford Hall USAF Medical Center Lackland AFB, TX	1986-87
Residency, Anesthesiology Wilford Hall USAF Medical Center Lackland AFB, TX	1987-90
Clinical Scientist Track-Neuroanesthesia University of Texas Health Sciences Center San Antonio, TX	1989-90
Fellowship, Critical Care Medicine Wilford Hall USAF Medical Center Lackland AFB, TX	1990-91
Fellowship, Medical Research Walter Reed Army Institute of Research Washington, DC	1993-94
Aerospace Medicine Primary Course USAF School of Aerospace Medicine Brooks AFB,	1997

Certifications

American Board of Anesthesiology (written exam)	1990
American Board of Anesthesiology (oral exam; certificate number 20149)	1991
Enrolled in Maintenance of Certification in Anesthesiology (MOCA)	2007

Special Qualifications in Critical Care Medicine (ABA) 1993

Medical Licensures

State of Maryland, D60747 2003

Military Service (retired rank of Colonel in US Air Force effective 1 June 2007)

Commissioned 2nd Lieutenant, United States Air Force 1982-86

Promoted to Captain, United States Air Force 1986-92

Program Director, Anesthesiology Critical Care Medicine Fellowship 1991-97

Wilford Hall Medical Center, Lackland AFB, TX

Clinical Assistant Professor, Department of Anesthesiology 1991-00

Uniformed Services University of the Health Sciences, Bethesda, MD

Promoted to Major, United States Air Force 1992-98

Deployed with Critical Care Air Transport Team 1996-97

Ramstein Air Base, Germany in support of Operation Enduring Freedom

Course Director, Critical Care Air Transport Team Training Program 1997-99

USAF School of Aerospace Medicine, Brooks AFB, TX

Responsible for establishing and running first multidisciplinary training program for the movement of critically ill and injured military patients through the Air Force aeromedical evacuation services. Managed \$700K annual budget for students, supplies and personnel.

Promoted to Lieutenant Colonel, United States Air Force 1998-04

Program Director, San Antonio Uniformed Services Health Education Consortium

Anesthesiology Residency 1998-03

Wilford Hall Medical Center, Lackland AFB, TX

Responsible for joint program between Army and Air Force facilities with total of 36 residents. Program consistently listed in top 5 on in-service scores with 100% board pass rate within 3 years of graduation.

Chair, San Antonio Uniformed Services Health Education Consortium

Anesthesiology Residency 1998-03

Wilford Hall Medical Center, Lackland AFB, TX

Responsible for 25 anesthesiologists, 23 nurse anesthetists and 36 anesthesiology residents. Department (Air Force) administered 12-14,000 anesthetics per year with an annual budget of \$2.1 million for supplies and pharmaceuticals.

Deployed on multiple humanitarian missions as commander/anesthesiologist 1998-06

Honduras, El Salvador, Paraguay

Anesthesia, Flight Commander 1999-03

59 MSGS, Wilford Hall Medical Center, Lackland AFB, TX

Associate Professor, Department of Anesthesiology 2000-07

Uniformed Services University of the Health Sciences, Bethesda, MD

Deployed with surgical team 2002

Al Udeid Air Base, Qatar in support of Operation Iraqi Freedom

Director, Center for Sustainment of Trauma and Readiness Skills (C-STARS) 2003-07

R Adams Cowley Shock Trauma Center, Univ. of Maryland, Baltimore, MD

Responsible for joint military-civilian training of military medical personnel to ensure exposure to trauma and critical care prior to overseas deployment. Trained over 350 personnel annually.

Promoted to Colonel, United States Air Force (retired 2007) 2004-07

Employment History

Active duty US Air Force physician (see above) 1986-07

Associate Professor, Division of Trauma Anesthesiology, R Adams Cowley Shock 2007

Trauma Center, University of Maryland School of Medicine, Baltimore, MD

Serve as attending physician in a dedicated Neurotrauma Intensive Care Unit as well as an attending anesthesiologist on a dedicated trauma anesthesiology service.

Professional Society Memberships

American Society of Anesthesiologists	1988
Society of Critical Care Medicine	1990
Society for Simulation in Healthcare	2007
Society of Critical Care Anesthesiologists	2009
Association of University Anesthesiologists	2012

Honors and Awards

Air Force Meritorious Service Medal	1997, 1999, 2003
Air Force Commendation Medal	1991, 1994
Air Force Achievement Medal	1990
Robert D. Dripps, MD Memorial Award to the Outstanding Graduate Resident in Anesthesiology	1990
Tarrow Award in Anesthesiology	1990
Anaquest Outstanding Resident Research Essay Award: Society of Neurosurgical Anesthesia and Critical Care Annual Meeting	1990
First Place, Scientific Exhibit: Annual Meeting of the American Society of Anesthesiologists	1993
Exceptional Merit, Scientific Exhibit: Annual Meeting of the American Society of Anesthesiologists	1997
The Lieutenant General Charles H. Roadman II, Mirror Force Outstanding Contribution Award: Association of Military Surgeons of the United States	1998
Air Force Material Command Nominee, Lt Gen Paul W. Myers, Outstanding Senior Physician Award, Air Force Association	1999
Presidential Citation, Society of Critical Care Medicine	2000
Tae Kwon Do, Black Belt	2001
Fellow, American College of Critical Care Medicine	2001
Presidential Citation, Society of Critical Care Medicine	2002
Air Force Legion of Merit	2007
Presidential Citation, Society of Critical Care Medicine	2007
Presidential Citation, Society of Critical Care Medicine	2008
Presidential Citation, Society of Critical Care Medicine	2010
Elected to the Association of University Anesthesiologists	2012
Coauthor, 2013 Annual Scientific Award for Outstanding Abstract, Society of Critical Care Medicine Annual Meeting	2013

Administrative Service

Institutional Service

Dept of Anesthesiology, Wilford Hall Medical Center, Lackland AFB, TX	
Medical Director, Post-Anesthesia Care and Same-Day Surgical Unit	1991-92
Co-Director, Surgical Critical Care Service	1991-93
Director, Anesthesia Special Care Services	1992-93
Director, Anesthesiology Research	1992-93
Assistant Chairman, Research	1994-97
Member, Critical Care Committee, Wilford Hall Medical Center	1991-93, 1994-97
Alternate, Institutional Review Board, Wilford Hall Medical Center	1994-97
Member, Credentials Committee, Wilford Hall Medical Center	1999-02
Member, Professional Education Council, Wilford Hall Medical Center	1998-03
Member, Invasive Procedures Committee Wilford Hall Medical Center	1999-02
Air Force Surgeon General's Malpractice Expert Reviewer	2002-07
Associate Director, Maryland Advanced Simulation, Training, Research, and Innovation (MASTRI) Center, UMMC/UMSOM	2006-07
Medical Director, Select Trauma Care Unit, R Adams Cowley Shock Trauma Center, Univ. of Maryland, Baltimore	2007-08
Member, Anesthesia Information Management System Steering Committee	2008-11

Thomas E. Grissom, MD, MSIS, FCCM
Curriculum Vitae

Director, National Trauma Training Center (Expansion Project)	2008-12
Member, University of Maryland Strategic Planning Sub-Committee-Education	2011-12
Member, Information Technology Clinical Advisory Committee	2011-13
Member, Clinical Data Analytics and Management Subcommittee	2012-13
Member, Executive Committee, MASTRI Center, UMMC/UMSOM	2012
Member, Operational Committee, MASTRI Center, UMMC/UMSOM	2013
Member, Board of Directors, Center for Critical Care and Trauma Education, UMMC/UMSOM	2015

Regional Service

Member, State of Maryland, Respiratory Care Professional Standards Committee	2010-2016
--	-----------

National Service

US Air Force	
Member, Critical Care Aeromedical Transport Team	1994-97
Member, Mobile Field Surgical Team	1994-96
Member, Combat Trauma Surgery Committee, Ft. Sam Houston, TX	1998
Member, Critical Care Working Group	2003-07
Reengineering Medical Readiness Conference	1994
Theater Medical Information Program Panel	1996
Medical Care into the 21st Century	1997
Civil Reserve Air Fleet Aeromedical Configuration FOT&E	1997
Aeromedical Evacuation Panel	1997
Phoenix Forge, Advisory Committee Panel	1999
Joint Critical Care Working Group	2002
Simulation IPT (TATRC, St. Petersburg, FL)	2003
Chair, Distributed Simulation Performance HPT	2006-07
Society of Air Force Clinical Surgeons	
Chair, Anesthesiology Subsection, Annual Meeting	1996
Chair Anesthesiology Subsection, Annual Meeting	2001
Chair, Annual Meeting	2003
Secretary, Society of Air Force Clinical Surgeons	2003-05
American Society of Anesthesiologists	
Member, Education Committee, Texas Society of Anesthesiologists	1999-03
Member, Committee on Uniformed Services & Veterans' Affairs	2002-04
Poster Moderator, Critical Care, Annual Meeting	2007
Member, Problem-Based Learning Discussions Committee	2009-2014
Member, Trauma and Disaster Preparedness Committee	2011-current
Member, Website Improvement Project Volunteer Group	2014-2015
Society of Critical Care Medicine	
Member, Fundamentals of Critical Care Support Steering Committee	1999-03
National Consultant, Fundamental Critical Care Support Course	1999-current
Vice Chair, Fundamentals of Critical Care Support Steering Committee	2003-04
Chair, Fundamentals Critical Care Support Steering Committee	2004-06
Member, Strategic Planning Committee	2006-11
Poster Moderator, Neuro Critical Care, Annual Meeting	2008
American College of Critical Care Medicine	
Member, Nominating Committee	2005-08
Member, Task Force for Development of Practice Guidelines: Management of the Potential Organ Donor	2008-14
Peer Reviewer	
<i>Critical Care Medicine</i>	2008-current
<i>Anesthesia and Analgesia</i>	2011-current
<i>Military Medicine</i>	2012-current

Department of Defense	
Chair, Combat Casualty Care Research Program Review Panel	2016
Grant Reviewer, United States Special Operations Command	2013-current
Grant Reviewer, US Army Medical Research and Materiel Command	2014-current

Teaching Service

Program Director, Anesthesiology Critical Care Medicine Fellowship <i>Responsible for one to two critical care fellows per year. Provided 12-20 lectures per year with 50% clinical time dedicated to critical care. Program underwent two successful RRC reviews during this period and obtained five year accreditation in 1994.</i>	1991-97
Course Director, Critical Care Air Transport Training Program <i>Supervised development of all curriculum, materials and testing for 10 courses per year with 30 students per class. First multidisciplinary Air Force medical training program to make extensive use of human patient simulation.</i>	1997-99
Program Director and Chair, Department of Anesthesiology <i>Provided 80% clinical support including daily supervision of residents in the operating room. Responsible for overall curriculum development and program coordination. Program ranked in top 5 every year on in-service scores and maintained a 100% board certification rate within 3 years of graduation.</i>	1998-03
Invited Lecturer, Trauma Refresher Course	1998-03
Course Director, Center for the Sustainment of Trauma and Readiness Skills <i>Responsible for opening human patient simulation lab for the training of multiple medical specialties including anesthesiology, emergency medicine, and surgical residents as well as 2nd and 3rd year medical students. Supervised training of 325 Air Force medical personnel per year during 2-4 week rotations at the R Adams Cowley Shock Trauma Center.</i>	2003-07
Course Director, Fundamental Critical Care Support Course <i>Responsible for 3-6 courses per year. Provides standardized curriculum using didactic presentations and skill stations to introduce and supplement critical care education for physicians, critical care fellows, nurse practitioners, critical care nurses, and physician assistants.</i>	2010-current

Grant Support

Co-Investigator: TE Grissom. "Assessment of Trauma Team Performance". Funded by Patient Safety Program, Health Affairs, Department of Defense, 2005. \$250,000

PI: TE Grissom. "C-STAR Baltimore Simulation Center Modernization Project: Training for High Performance Trauma Teams". Funded by Modernization Directorate, US Air Force, Department of Defense, 2009. \$800,000.

PI: TE Grissom. "Competency-based medical education: How many intubations does it take to make the grade?" Funded by the Department of Anesthesiology, University of Maryland School of Medicine, 2010. \$10,000.

PI: TE Grissom. "Potential Application of a Novel National Perioperative Outcomes Registry in Support of Active Post-Marketing Surveillance". Funded by University of Maryland Center of Excellence in Regulatory Science and Innovation (UMCERSI) Innovation Award, 2012. \$22,500.

PI: TE Grissom. "Performance of Manual Ventilation by Air Force Medics: Effect of Training and a Novel Self-Inflating Bag Mask Valve Apparatus". Funded by 711 HSW, US Air Force, Department of Defense. 2014. \$155,000.

Co-PI: TE Grissom, "Evaluation of Handoff Outcomes in a Multi-Site Continuum of Care Exercise (Handoffs)". Funded by Joint Program Committee 1, Medical Simulation and Information Sciences Research Program, Department of Defense, 2016. \$376,505.

Co-PI: TE Grissom, "Is There an Optimal Induction Agent for Use with Rapid Sequence Intubation in the Traumatized Patient? KETamine, Etomidate, or Propofol for Intubation in Trauma (KEEPIT) Trial". Submitted to Defense Health Program 6.7, Department of Defense, 2016. \$746,000.

Co-PI: TE Grissom, "Interprofessional Team-Based Learning in En Route Care Using a Multi-Modal Communications Model with Remote Simulation". Submitted to Joint Program Committee 1, Medical Simulation and Information Sciences Research Program, Department of Defense, 2016. \$800,000.

Patents, Inventions and Copyrights

None

Publications

Peer-reviewed journal articles

1. J Miranda, TE Grissom. Anesthetic implications of the renin-angiotensin system and angiotensin-converting enzyme inhibitors. *Anesth Analg* 72:667-83, 1991.
2. D Gale, TE Grissom, J Miranda. Titration of intravenous anesthetics for cardioversion: A comparison of propofol, methohexital, and midazolam. *Crit Care Med* 21:1509-1503, 1993.
3. TE Grissom, L Bunegin, H Mitzel, MS Albin. The effect of anesthetics on neurologic outcome during the recovery period of spinal cord injury in rats. *Anesth Analg* 79:66-74, 1994.
4. TE Grissom, S Bina, J Hart, SM Muldoon. Effect of halothane on phenylephrine-induced vascular smooth muscle contractions in endotoxin-exposed rat aortic rings. *Crit Care Med* 24:287-293, 1996.
5. EJ Nelson, TE Grissom. Continuous gastric suctioning decreases measured esophageal temperature during general anesthesia. *J Clin Monit* 12:429-32, 1996.
6. TE Grissom, JC Farmer. Ongoing education of the non-CCM physician: Fundamental Critical Care Support (FCCS) Course and other methods. *New Horizons* 6:300-6, 1998.
7. TE Grissom, JC Farmer. The provision of sophisticated critical care beyond the hospital: Lessons from physiology and military experiences that apply to civil disaster medical response. *Crit Care Med* 33:S13-21, 2005.
8. TE Grissom, A Dukatz, HA Kordylewski, RP Dutton. Bring out your data: the evolution of the National Anesthesia Clinical Outcomes Registry (NACOR). *International Journal of Computational Methods and Algorithms in Medicine*, 2:51-69, 2011
9. R Shere-Wolfe, S Galvagno, TE Grissom. Critical care considerations in the management of the trauma patient following initial resuscitation. *Scandinavian Journal of Trauma, Resuscitation, and Emergency Management*, 20:68 2012.
10. DJ Yeatts, RP Dutton, PF Hu, YW Chang, CH Brown, H Chen, TE Grissom, JA Kufera, TM Scalea. Effect of video laryngoscopy on trauma patient survival: a randomized controlled trial. *J Trauma*. 75:212-9, 2013.
11. TE Grissom, J Sappenfeld, S Galvagno, SV Cherrry, YC Chang, PF Hu. Performance assessment in airway management training for nonanesthesiology trainees: An analysis of 4,282 airway procedures performed at a Level 1 trauma center. *Anesthesiology*. 120:185-95, 2014.
12. SM Galvagno, JJ Dubose, TE Grissom, R Fang, R Smith, VS Babarta, S Shackelford, TM Scalea. The epidemiology of critical care air transport team operations in contemporary warfare. *Mil Med*, 179:612-618, 2014.
13. TE Grissom, R Fang. Topical hemostatic agents. *Curr Opin Anesthesiol*. 28:210-6, 2015
14. RM Kotloff, S Blosser, GJ Fulda, D Malinoski, VN Ahya, L Angel, M Byrnes, MA DeVita, TE Grissom, et al. Management of the Potential Organ Donor in the Intensive Care Unit: SCCM/ACCP/AOPO Consensus Statement. *Crit Care Med*. 43:1291-1325, 2015.
15. M McCunn, RP Dutton, A Dagal, AJ Varon, O Kaslow, CJ Kucik, CA Hagberg, JH McIssac, JF Pittet, PJ Dunbar, T Grissom, MS Vavilala. Trauma, Critical Care, and Emergency-Care

Anesthesiology: A New Paradigm for the “Acute Care” Anesthesiologist? *Anesth Analg*.121:1668-73, 2015.

16. BW Bonds, Y Li, P Hu, S Yang, K Colton, A Gonchigar, J Cheriyan, TE Grissom, R Fang, DM Stein. Predictive value of hyperthermia and intracranial hypertension on neurological outcomes in patients with severe traumatic brain injury. *Brain Injury*. 29:1642-7, 2015.

17. SM Galvagno, RA Sikorski, C Stephens, TE Grissom. Initial evaluation and triage of the injured patient: mechanisms of injury and triggers for OR versus ED stabilization. *Curr Anesthesiol Rep*. 6:79-88, 2016.

18. TE Grissom, A Pierce. Radiographic imaging and ultrasound in early trauma management: damage control radiology for the anesthesiologist. *Curr Anesthesiol Rep*. 6:50-58, 2016.

19. TE Grissom, J Richards, DL Herr. Critical Care Management of the Potential Organ Donor. *Int Anesthesiol Clin* 2017 (in press).

Non-peer-reviewed journal articles

1. J Mirenda, TE Grissom. Anesthetic concerns in the adult intensive care unit. *Problems in Anesthesia* 6:510-26, 1992.

2. TE Grissom, SM Galvagno. Perioperative ventilatory management: strategies for preventing postoperative pulmonary complications. *ASA Refresher Courses in Anesthesiology* (on line), 2016.

Book Chapters

1. TE Grissom, JR Grissom, C Farmer. Neurologic Monitoring. In: Civetta JM, Taylor RW, Kirby RR, eds. *Critical Care Medicine, 3rd Ed*. Philadelphia, PA:Lippincott-Raven Publishers; 1996:941-56.

2. TE Grissom, JR Grissom. Neurologic Monitoring in the ICU. In: Eisenkraft JB, ed. *Progress in Anesthesiology*. San Antonio, TX:Dannemiller Memorial Educational Foundation, 1999:111-32.

3. TE Grissom. Medical Capabilities in Flight. In: Hurd WW and Jernigan JG, eds. *Medical Aspects of Aeromedical Evacuation*. New York:Springer-Verlag New York, Inc, 2002:111-35.

4. TE Grissom. Conscious and Deep Sedation in the ICU. In: Farmer JC, Wall MH, eds. *Pocket ICU Management*. New York:PocketMedicine.com, Inc., 2003.

5. TE Grissom, R Dutton. Anesthesia for Trauma and Acute Care. In: Fischer LE, ed. *Anesthesia and Uncommon Disease, 5th Edition*. Philadelphia:Saunders-Elsevier, 2005:505-34.

6. TE Grissom. Management of the Non-Heartbeating Organ Donor. In: Farmer JC, Wall MH, eds. *Pocket ICU Management, 2nd ed*. New York: PocketMedicine.com, Inc., 2009.

7. TE Grissom. Conscious and Deep Sedation in the ICU. In: Farmer JC, Wall MH, eds. *Pocket ICU Management, 2nd ed*. New York: PocketMedicine.com, Inc., 2009.

8. R Ball, TE Grissom. Management of the Potential Organ Donor. In: Farmer JC, Wall MH, eds. *Pocket ICU Management, 2nd ed*. New York: PocketMedicine.com, Inc., 2009.

9. TE Grissom, R Ball. Brain Death. In: Farmer JC, Wall MH, eds. *Pocket ICU Management, 2nd ed*. New York: PocketMedicine.com, Inc., 2009.

10. R Dutton, M McCunn, T Grissom. Anesthesia for Trauma. In: RD Miller, LI Eriksson, LA Fleisher, JP Wiener-Kronish, W Young, eds. *Miller's Anesthesia, 7th Edition*. New York:Elsevier, 2009:2277-2312.

11. TE Grissom. Técnicas de optimización en la hipoxemia refractaria: óxido nítrico, posición prona y oxigenación con membrana extracorpórea (Optimization techniques in refractory hypoxemia: nitric oxide, prone positioning, and extracorporeal membrane oxygenation). In JM Rabanal, A Quesada, eds. *Procedimientos Técnicos en urgencias, medicina crítica y pacientes de riesgo (Manual of Critical Care, Anaesthesia and Emergency Techniques and Procedures)*. Spain:ERGON, 2010:131-49.

12. TE Grissom, C Stephens, R Sikorski. Initial Evaluation and Management. In C Smith, A Varon eds. *Essentials of Trauma Anesthesia*, Cambridge:Cambridge University Press, 2012:16-27.

13. M McCunn, CJ Kucik, JM Tobin, TE Grissom, RP Dutton. Trauma and Acute Care. In LA Fleisher, ed. *Anesthesia and Uncommon Diseases, 6th ed*. Philadelphia:Saunders-Elsevier, 2012:488-525.

14. M McCunn, TE Grissom, R Dutton. Anesthesia for Trauma. In: RD Miller, LI Eriksson, LA Fleisher, JP Wiener-Kronish, NH Cohen, eds. *Miller's Anesthesia, 8th Edition*. Philadelphia:Elsevier-Saunders, 2015:2423-2459.
15. TE Grissom, C Stephens. Airway Management in the Trauma Patient. In: CA Hagberg, ed. *Benumof and Hagberg's Airway Management, 4th Edition*. Philadelphia: Elsevier, 2016 (in submission).
16. TE Grissom, R Sikorski. Initial Evaluation and Management. In C Smith, A Varon eds. *Essentials of Trauma Anesthesia*, Cambridge:Cambridge University Press, 2016 (in submission)

Books

1. B McLean, JL Zimmerman, M Baldisseri, JC Farmer, RP Dellinger, TE Grissom, eds. *Fundamental Critical Care Support, 4th Edition*. Mount Prospect:SCCM, 2007.

Abstracts and/or Proceedings

1. TE Grissom, L Bunegin, H Mitzel, MS Albin. Neurobehavioral outcomes to anesthetics after chronic spinal cord injury in rats. *Journal of Neurosurgical Anesthesiology* 3:216, 1990.
2. D Gale, TE Grissom, J Miranda. Titration of intravenous anesthetics for cardioversion: A comparison of propofol, methohexital, and midazolam. *Anesthesiology* 77:A266, 1992.
3. J Slavoski, TE Grissom, JR Grissom, C Butzin, S McGuire. Epidural blood patch (EBP) in the HIV-positive patient. *Anesth Analg* 76:S400, 1993.
4. TE Grissom, PJ Gootos, TR Brown. Pulmonary compliance is not affected by changes in position during laparoscopic surgery. *Anesthesiology* 79:A491, 1993.
5. KS Papier, TE Grissom. Mean airway pressure (MAW) is affected by the use of different ventilators used as entrainment sources during high frequency jet ventilation (HFJV). *Anesthesiology* 79:A244, 1993.
6. KA Poterack, W Yin, TE Grissom, RS Hawkins, RA Hersack, JN Slavoski, MA Valley. Skin temperature changes as an early indicator of successful brachial plexus blockade. *Anesthesiology* 79:S346, 1993.
7. EJ Nelson, TE Grissom, KA Poterack. Continuous gastric suctioning decreases measured esophageal temperature during general anesthesia. *Anesthesiology* 83:S400, 1995.
8. RW Calicott, T Grissom, K Papier, K Poterack. Estimation of blood loss by surgeons and anesthesiologists. *Anesthesiology* 83:S999, 1995.
9. TE Grissom, K Papier. Transport ventilator performance under hypobaric conditions. *Anesthesiology* 87:A436, 1997.
10. TE Grissom, KS Papier, S Dordack, JC Farmer. Mechanical ventilator performance during aeromedical evacuation. Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:34-1 to 34-7, Sep 1998.
11. TE Grissom, D Lawlor. Point-of-care testing: Can it be adapted for the field environment? Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:28-1 to 28-5, Sep 1998.
12. JC Farmer, PK Carlton, R Kilpatrick, S Dordack, R Hersack, C Morales, J King, J Ramon, B Beninati, T Grissom, D Lawlor, E Guz, B Biggers. The provision of intensive care medicine in austere field conditions. Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:27-1 to 27-5, Sep 1998.
13. D Lawlor, TE Grissom. Use of point of care (POC) laboratory devices by Critical Care Aeromedical Transport Teams (CCATT) of the United States Air Force (USAF). Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:29-1 to 29-3, Sep 1998.
14. RA Hersack, D Lawlor, PK Carlton, W Beninati, TE Grissom. Experiences of the Critical Care Air Transport Teams (CCATT) during Operation JOINT ENDEAVOR. Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:23-1 to 23-4, Sep 1998.

15. JC Farmer, PK Carlton, R Kilpatrick, S Derdak, B Beninati, TE Grissom. The potential uses of telemedicine to augment critical care in-the-air. Aerospace Medical Panel Fall Symposium, Research and Technology Agency, NATO at Rotterdam, NE 599:51-1 to 51-3, Sep 1998.
16. P Hu, J Spearman, Y Xiao, K Yan, L Jin, JP Wu, S Seebode, D Gagliano, T Scalea and International Telemedicine Group. Deploying a international telemedicine system in a major active earthquake zone. Prehospital and Disaster Medicine 24:S165, 2009.
17. D Yeatts, T Grissom, R Dutton, et al. Video laryngoscopy does not improve outcomes in emergency intubation. Crit Care Med 37:A455, 2009.
18. TE Grissom, PF Hu, J Dubose, et al. Failure To Achieve Normothermia Is Not Associated with Worsened Outcomes in Brain Injury Patients. Proceedings of the 2010 Annual Meeting of the American Society Anesthesiologists, A208, 2010.
19. A DuKatz, R Dutton, D Martz, T Grissom, P Rock. The value of dual charting in AIMS adaptation. Presented at the American Society of Anesthesiologists Annual Meeting, A1262, Oct 2011.
20. TE Grissom, S Cherry, C Chang, W Chang, P Hu. Statistical process control and airway management training: inter-rater reliability with and without the use of control lines. Presented at the American Society of Anesthesiologists Annual Meeting, A1333, Oct 2011.
21. TE Grissom, L Stansbury, C Madison, P Hu, S Henry. Septic shock in the operating room: outcomes from a soft-tissue infection service. Presented at the American Society of Anesthesiologists Annual Meeting, A1703, Oct 2011.
23. S Cherry, TE Grissom. Improving Airway Management Skills: A Novel Approach to Non-Anesthesia Resident Education. Presented at the American Society of Anesthesiologists Annual Meeting, A1320, Oct 2011.
24. B Bonds, P Hu, Y Li, S Yang, K Colton, T Grissom, DM Stein. Predictive value of hyperthermia and intracranial hypertension on neurological outcomes in patients with severe traumatic brain injury. Brain Injury 28:703-4, 2014.
25. SM Galvagno, CF MacKenzie, TE Grissom, Z Qasim, CGao, D Hanna, S Shackelford, A Anazodo, C Imle, P Hu. Blood Transfusion Prediction Using Continuous Non-invasive Hemoglobin Monitoring. Presented at the American Society of Anesthesiologists Annual Meeting, A3096, Oct 2014.
26. Y Shiming, D Stein, S Galvagno, S Shackelford, C Miller, T Grissom, P Hu. Prototype Design of Real Time Vital Signs Monitor System for Critical Care Transport Team (CCATT). Presented at Military Health System Research Symposium Annual Meeting, # MHSRS-16-1190, Aug 2016.
27. CHT Miller, T Grissom, S Wade, CL Halcome, et al. State of Evidence in Medical Simulation Training Research at the Air Force Centers for Sustainment of Trauma & Readiness Skills. Presented at Military Health System Research Symposium Annual Meeting, # MHSRS-16-1341, Aug 2016.

Major Invited Speeches

Regional

1. TE Grissom. Why the practicing anesthesiologist just needs to say NO (Nitric Oxide). Presented at the Texas Society of Anesthesiologists Meeting, Dallas, TX May 1995.
2. TE Grissom. Nutrition in the ICU: An update. Presented at the Second Annual San Antonio Trauma Refresher Course, 1996, San Antonio, TX, Sep 1996.
3. TE Grissom. The expanding role of the anesthesiologist in critical care aeromedical evacuation. Presented at the Annual Meeting of the Texas Society of Anesthesiologists, Temple, TX, Apr 1997.
4. TE Grissom. Evacuation of Surgical Casualties: From the Battlefield to Home. Presented at the Trauma Refresher Course, Wilford Hall Medical Center, Lackland AFB, TX, May 1998-Jun 2003 (Quarterly).
5. TE Grissom. Critical Appraisal of the Literature. Introduction. Presented at Grand Rounds, Department of Anesthesiology, University of Arizona, Tucson, AZ, Oct 1999.
6. TE Grissom. Critical Appraisal of the Literature. Evaluating and Using an Article About Therapy. Presented at Grand Rounds, Department of Anesthesiology, University of Arizona, Tucson, AZ, Oct 1999.

7. TE Grissom. Critical Appraisal of the Literature. Evaluating and Using an Article About Harm. Presented at Grand Rounds, Department of Anesthesiology, University of Arizona, Tucson, AZ, Oct 1999.
8. TE Grissom. Critical Appraisal of the Literature. Evaluating and Using an Article About Diagnostic Tests. Presented at Grand Rounds, Department of Anesthesiology, University of Arizona, Tucson, AZ, Oct 1999.
9. TE Grissom. Basic Anatomy and Physiology in Anesthesia. Presented at the 2nd Annual San Antonio Society of Anesthesia Technology Meeting, San Antonio, TX, Apr 2000.
10. TE Grissom. Airway Management in Anesthesia. Presented at the 2nd Annual San Antonio Society of Anesthesia Technology Meeting, San Antonio, TX, Apr 2000.
11. TE Grissom. Critical Appraisal of the Literature: Various Topics. Presented at the UTHSC Journal Club, San Antonio, TX, 2000-2001.
12. TE Grissom. Machines and Monitors in Anesthesiology. Presented at the 3rd Annual San Antonio Society of Anesthesia Technology Meeting, San Antonio, TX, Apr 2001.
13. TE Grissom. Airway Management Workshop. Southwest Regional Advisory Council for Trauma, San Antonio, TX, Mar 2002.
14. TE Grissom. Anesthesia and Critical Care on the Battlefield. Panel moderator at the American Society of Anesthesiologists Annual Meeting, Oct 2004.
14. TE Grissom. The Role of Simulation in Surgical and Military Medical Training. Presented at Surgical Grand Rounds, University of Maryland Medical Center, Oct 2005.
15. TE Grissom. Role of Simulation in Trauma Training. Presented at Special Topics in Trauma, Nov 2007
16. TE Grissom. Critical Care Endocrinology. Presented at Anesthesiology Grand Rounds, University of Maryland Medical Center, Mar 2008.
17. TE Grissom. The Good, the Bad, and the Ugly of Airway Management: Role of Videolaryngoscopy in Routine and Emergent Airway Management, Presented at Anesthesiology Grand Rounds, Mayo Clinic, Scottsdale, AZ, Feb 2010.
18. TE Grissom. The Future is Here: Simulation-Based Airway Management Training. Presented at 4th Annual Maryland Committee on Trauma Symposium, Apr 2010.
19. TE Grissom. Airway Management in the ICU for the Non-Anesthesiologist, Grand Rounds, Chester River Hospital Center, Jul 2011
20. TE Grissom. Things are Crazy in the Emergency Department: Management of the Agitated Patient. Presented at Special Topics in Trauma, Oct 2011.
21. TE Grissom. In Search of the Perfect Clot: Management of Trauma-Induce Coagulopathy. Presented at Grand Rounds, Department of Anesthesiology, San Antonio Uniformed Services Health Education Consortium Anesthesiology Residency, San Antonio, TX, Jan 2012.
22. TE Grissom. Role and Application of Videolaryngoscopy in the Intensive Care Unit. Presented at the Pulmonary/Critical Care Division, University of Maryland School of Medicine, Jan 2013.
23. TE Grissom. Simulation-Based Training for Trauma and Critical Care. Presented at Trauma Update, Fall 2013, Meritus Medical Center, Hagerstown, MD, Oct 2013.
24. TE Grissom. Comfortably Numb: Recognizing and Treating Delirium in the Hospitalized Setting. Presented at Grand Rounds, Pocono Medical Center, East Stroudsburg, PA, Apr 2014.
25. TE Grissom. Airway Management in the Trauma Patient: Dogma and Controversy. Presented at Grand Rounds, Department of Surgery, University of Maryland School of Medicine, May 2014.
26. TE Grissom. Perioperative Ventilatory Management: Strategies for Preventing Postoperative Pulmonary Complications. Presented at Grand Rounds, Department of Anesthesiology, University of Maryland School of Medicine, Aug 2014.
27. TE Grissom. Perioperative Ventilatory Management: Strategies for Preventing Postoperative Pulmonary Complications. Presented at Grand Rounds, Department of Surgery, University of Arizona at Banner Health Good Samaritan Hospital, Phoenix, AZ, Oct 2015.

National

1. TE Grissom. Why the Anesthesiologist Needs to Say NO (Nitric Oxide). Presented at the Society of Air Force Clinical Surgeons Meeting, San Antonio, TX, Apr 1994.

2. TE Grissom. Teaching Critical Appraisal of the Literature to Anesthesiology Residents. Presented at the NYSSA Postgraduate Assembly in Anesthesiology, New York, NY, Dec 1995.
3. TE Grissom. Aeromedical Evacuation-a Role for the Anesthesiologist in the "Air ICU"? Presented at the American Society of Anesthesiologists Annual Meeting, New Orleans, LA, Oct 1996.
4. TE Grissom. Transporting the Critically Ill Patient: Stable vs. Stabilized. Presented at the Association of Military Surgeons of the United States Annual Meeting, San Antonio, TX, Nov 1996.
5. TE Grissom. Medical Response to the Khobar Towers Attack: The New Modular Approach in Action. Presented at the Special Operations Medical Conference, Fayetteville, NC, Dec 1996.
6. TE Grissom. The Critical Care Air Transport Team (CCATT) Course: An Update. Presented at the Association of Military Surgeons of the United States Annual Meeting, Nashville, TN, Nov 1997.
7. TE Grissom. The Future of Critical Care Air Transport in the US Air Force. Presented at the Society of Air Force Clinical Surgeons Meeting, San Antonio, TX, Apr 1998.
8. TE Grissom. The Critical Care Air Transport Team (CCATT) Course: Training Update. Presented at the Aerospace Medical Association Annual Meeting, Seattle, May 1998.
9. TE Grissom. Neurologic Monitoring in the ICU, Seventh Critical Care Refresher Course, Society of Critical Care Medicine, San Antonio, TX, Jan 2003.
10. TE Grissom. Critical Care Air Transport Training, Battlefield Healthcare Conference, Alexandria, VA, Sep 2003.
11. TE Grissom. Anesthesiology and Critical Care on the Battlefield: Lessons Learned in Afghanistan and Iraq. Presented at the American Society of Anesthesiologists Annual Meeting, Oct 2004.
12. TE Grissom. Fluid Resuscitation in Trauma: What We've Learned in the Last 50 Years. Presented at the American Society of Anesthesiologists Annual Meeting, Oct 2005.
13. TE Grissom. Simulation Training for the Military Medic. Presented at the Department of Defense Human Factors Engineering Workgroup Annual Meeting, Nov 2005.
14. TE Grissom. Clinical Considerations in the Early Movement of a Combat Casualty. Presented at the Society of Critical Care Medicine's 35th Critical Care Congress, Jan 2006.
15. TE Grissom. Management of the Spinal Cord Injured Patient: An Update. Presented at the 14th Annual San Antonio Trauma Symposium, San Antonio, TX, August 2008.
16. TE Grissom. Early Long Bone Fracture Repair is Advantageous in the Multisystem Trauma Patient: Con. Presented at the 15th Annual San Antonio Trauma Symposium, San Antonio, TX, August 2009.
17. TE Grissom. Near Infrared Spectroscopy as a Routine Resuscitation Endpoint: Pro. Presented at the 15th Annual San Antonio Trauma Symposium, San Antonio, TX, August 2009.
18. TE Grissom. Getting to Zero: How did Michigan do it? Presented at the 16th Annual San Antonio Trauma Symposium, San Antonio, TX, September 2010.
19. TE Grissom. Videolaryngoscopy in the Management of the Trauma Airway: Con. Presented at the 16th Annual San Antonio Trauma Symposium, San Antonio, TX, September 2010.
20. TE Grissom. Airway Management Course: Videolaryngoscopy with the Glidescope. Presented at the 16th Annual San Antonio Trauma Symposium, San Antonio, TX, September 2010.
21. TE Grissom. Early Management of the Patient in Septic Shock: Taking the ICU into the Operating Room. Presented as a PBLD at the ASA Annual Meeting, Oct 2008, Oct 2009 and Oct 2010, Oct 2011, and Oct 2012.
22. TE Grissom. Integration of Human Patient Simulation in Usability Testing: When Worlds Collide. Presented at the 11th Annual International Meeting on Simulation in Healthcare (IMSH), New Orleans, January 2011.
23. TE Grissom. The Good, the Bad, and the Ugly of Airway Management: Role of Videolaryngoscopy in Routine and Emergent Airway Management, Presented at the Colorado Trauma and Critical Care Annual Symposium, Colorado Springs, CO, 26-27 Aug 2011.

24. TE Grissom. Taking the ICU into the Operating Room: Septic Shock in the Perioperative Environment, Presented at the Colorado Trauma and Critical Care Annual Symposium, Colorado Springs, CO, 26-27 Aug 2011.
25. TE Grissom. Pediatric Trauma: Initial Management and Evaluation, Presented at the Colorado Trauma and Critical Care Annual Symposium, Colorado Springs, CO, 26-27 Aug 2011.
26. W Bernstein, TE Grissom. I know the patient survived, but how did I do?: Making Simulation-Based Competency Evaluations Work. Workshop presented at the ACGME Educational Conference, Orlando, FL, Mar 2012.
27. TE Grissom. In Search of the Perfect Clot: Management of Trauma-Induced Coagulopathy. Presented as a PBLD at the ASA Annual Meeting, Oct 2012 and Oct 2013.
28. TE Grissom. Trauma Pearls for the Non-Intensivist: Management of Trauma-Induced Coagulopathy. Presented at the ASA Annual Meeting, Oct 2014.
29. TE Grissom. Perioperative Ventilatory Management: Strategies for Preventing Postoperative Pulmonary Complications. Presented as Refresher Course Lecture, ASA Annual Meeting, Oct 2015.
30. TE Grissom. Damage Control Resuscitation in the Unstable Trauma Patient. Presented as Clinical Forum, ASA Annual Meeting, Oct 2015.
31. TE Grissom. Perioperative Management of the Trauma Patient. Presented as Clinical Forum, ASA Annual Meeting, Oct 2016.

International

1. TE Grissom. Simulation and Trauma Management in Military Medicine. Presented at the International Symposium on Teaching and Training in Severe Trauma, Granada, Spain, 2004.
2. TE Grissom. Hemostatic Resuscitation. Presented at Grand Rounds, Western China Hospital, Chengdu, China, 2008.
3. TE Grissom. Anesthetic Management of the Trauma Patient. Presented at Grand Rounds, Dept of Anesthesiology, Western China Hospital, Chengdu, China, 2008.
4. TE Grissom. In Search of the Perfect Clot: Management of Trauma Induced Coagulopathy. Presented at Critical Care Grand Rounds, Peking University People's Hospital, Beijing, China, May 2013.
5. TE Grissom. Critical Care Transport during Disaster. Presented at Critical Care Grand Rounds, Pudong Hospital, Shanghai, China, May 2013.
6. TE Grissom. Critical Care Transport during Disaster. Presented at the International Disaster Medicine Forum on Earthquake Medical Rescue, Chengdu, China, May 2013.

Proffered Communications

1. TE Grissom, GS Ye, J Gelineau RB Smith. Effect of continuous positive airway pressure (CPAP) mechanism selection on gas exchange during high-frequency jet ventilation (HFJV). Presented at the Annual Scientific Meeting of the American Society of Critical Care Anesthesiologists, San Francisco, CA, Oct 1991.
2. R Hersack, TE Grissom. Comparison of systolic blood pressures measured by occlusion plethysmography versus automated oscillometry. Presented at the Society for Technology in Anesthesiology Annual Meeting, New Orleans, LA, Mar 1993.
3. KS Papier, TE Grissom. Mean airway pressure (MAW) is affected by the use of different ventilators used as entrainment sources during high frequency jet ventilation (HFJV). Presented at the Annual Scientific Meeting of the American Society of Critical Care Anesthesiologists, Washington, DC, Oct 1993.
4. TE Grissom, S Bina, J Hart, SM Muldoon. Vascular smooth muscle contractions are depressed by halothane in endotoxin-exposed rat aortae. Presented at the Society of Air Force Clinical Surgeons Meeting, San Antonio, TX, Apr 1994.
5. ME Erhart, TE Grissom, DB Waisel. Alumni evaluation of an anesthesia residency's research requirement. Presented at the Society of Air Force Clinical Surgeons Meeting, San Antonio, TX, Apr 1996.

6. P Braithwaite, TE Grissom. Thromboelastography in the Austere Environment: A New Application. Presented at the Society of Air Force Clinical Surgeons Meeting, San Francisco, CA, Apr 2004.
7. B Kuenzle-Haakea, Y Xiao, C Mackenzie, TE Grissom, FJ Seagull, A Sisley, R Dutton. Development of an instrument for assessing trauma team performance. Presented at Human Factors & Ergonomics Society Annual Meeting, Baltimore, MD, Oct 2007.
8. P Hu, S Seebode, J Spearman, A You, T Grissom, et al. Challenges in establish an international telemedicine link in active earthquake zone. Presented at the 5th Annual Innovations in the Surgical Environment Conference, Baltimore, MD, Jun 2008.
9. A Khoie, T Grissom, P Odonker. Stuck between a rock and a hard place: Traumatic brain injury (TBI), abdominal hemorrhage and ventricular septal defect (VSD) following a motor vehicle crash. Presented as a Medically Challenging Case, American Society of Anesthesiologists Annual Meeting, Oct 2009.
10. P Hu, D Stein, Y Xiao, R Dutton, S Kahraman, D Yeatts, T Grissom, et al. Trauma center wide real-time patient vital signs data registry (VSDR) for improvement of patient safety. Presented at the 7th Annual Innovations in the Surgical Environment Conference, Baltimore, MD, Mar 2010.
11. PF Hu, D. Yeatts, T Grissom, K Liu, S Seebode, M Binder, R Dutton. Multimedia Shock Trauma Admission Resuscitation (STAR) registry for Emergency Intubations. Presented at the 12th Annual American Telemedicine Association 12th Annual International Meeting, May 2010.
12. TE Grissom. Use of Simulation-Based Training on the Acceptance of an Anesthesiology Information Management System. Presented at the 11th Annual International Meeting on Simulation in Healthcare (IMSH), New Orleans, LA, January 2011.
13. TE Grissom. Potential Application of a Novel National Perioperative Outcomes Registry in Support of Active Post-Marketing Surveillance. Presented at the Maryland Center of Excellence for Regulatory Science and Innovation Annual Meeting, College Park, MD, September 2012.
14. D Whitehorn, AJ Brown, KA Miller, J Casey, KA Beaulieu, J Connelly, BW Graybill, C Miller, J Bosch, R Fang, T Grissom. CSTARS Baltimore Simulation Center Military Trauma Training Program: Training for High Performance Trauma Teams. Accepted for presentation at the 118th Annual Continuing Education Meeting of the Association of Military Surgeons of the United States, Phoenix, AZ, Nov 2012.
15. RP Dutton, TE Grissom, MJ Murray. Changes in Anesthesiology Since September 11. *ASA Newsletter* 2011;75:32-35.
16. TE Grissom, AJ Varon. Trauma Airway Management. *ASA Newsletter* 2013;77:12-14.