RUSS S. KOTWAL MD, MPH

Colonel (Retired), Medical Corps, United States Army

Fellow, American Academy of Family Physicians

Adjunct Professor, Department of Military & Emergency Medicine, Uniformed Services University

Adjunct Assistant Professor, College of Medicine, Texas A&M Health Science Center

EDUCATION

2004 – 05 Post-Graduate Training, Aerospace Medicine Residency

Naval Operational Medicine Institute, Pensacola, Florida

2003 – 04 Master of Public Health

The University of Texas Medical Branch, Galveston, Texas

1996 – 99 Post-Graduate Training, Family Medicine Internship and Residency

Martin Army Community Hospital, Ft Benning, Georgia

1992 – 96 Doctor of Medicine

Uniformed Services University of the Health Sciences, Bethesda, Maryland

1990 – 92 Post-Baccalaureate Coursework, Nutrition

Texas A&M University, College Station, Texas

1981 – 85 Bachelor of Science, Health Education, Secondary Teacher’s Certificate in Health and Biology

Distinguished Military Student and Graduate, Texas A&M University, College Station, Texas

EMPLOYMENT

2014 – Present Independent Medical Consultant

College Station, Texas

Primary Contracts: Joint Trauma System, Defense Health Agency, Chief of Strategic Projects, STS

Systems Support (2019-21) and Woodbury Technologies (2015-2019); Secondary Contracts: The Geneva

Foundation (2016-19); Lynntech Research Foundation (2016-18); Oak Ridge Institute for Science and

Education (2015-16)

Volunteer Advisor: National Academy of Sciences, Engineering, and Medicine Trauma Care Studies

(2015-16, 2019, 2020); Army TCCC Squad Overmatch Study (2015-2016); Trifusion Prosthetic Devices

(2015-16); Joint Trauma System Trauma Care Delivery Emeritus Director (2014)

2012 – 14 Director for Trauma Care Delivery

Joint Trauma System, Department of Defense, Joint Base San Antonio-Fort Sam Houston, Texas

Hospital Appointment: Family Medicine and Aerospace Medicine, Brooke Army Medical Center

Combat Service: OEF (Afghanistan) Nov 12, Aug 13

2010 – 12 Deputy Surgeon and Medical Training Officer

United States Army Special Operations Command, Ft Bragg, North Carolina

Hospital Appointment: Family Medicine and Aerospace Medicine, Womack Army Medical Center

2005 – 10 Regimental Surgeon

75th Ranger Regiment, Ft Benning, Georgia

Hospital Appointment: Family Medicine and Aerospace Medicine, Martin Army Community Hospital

Combat Service: OEF (Afghanistan) Mar-Apr 10, Sep-Oct 09, Jun-Jul 09, Sep 08-Feb 09, Mar-Aug 07,

Mar-Jul 06, Sep-Dec 05; OIF (Iraq) Feb-Apr 08, Nov 06-Jan 07

Major Training Exercises: JRTC 06 (Ft Polk, LA)

2003 – 05 Aerospace Medicine Resident

Army-Navy Aerospace Medicine Residency, Naval Operational Medicine Institute, Pensacola, Florida

Department of Preventive Medicine, The University of Texas Medical Branch, Galveston, Texas

1999 – 03 Battalion Surgeon

3d Battalion, 75th Ranger Regiment, Ft Benning, Georgia

Hospital Appointment: Family Medicine, Martin Army Community Hospital

Combat Service: OIF (Iraq) Mar-May 03; OEF (Afghanistan) Jun-Oct 02, Oct 01-Jan 02

Major Training Exercises: FTX 03 (Ft Bragg, NC), JRTC 02 (Ft Polk, LA), JRX 01 (NV), RW 01 (Ft

Knox, KY), FW 01 (NAS Cecil Field, FL), FTX 01 (Ft Pickett, VA), RW 00 (Ft Campbell, KY), FW 00

(McEntire AFB, SC), JRTC 00 (Ft Polk, LA), JRX-2 00 (Ft Campbell, KY), JRX-1 00 (Homestead AFB,

FL), RW 99 (Ft Benning, GA), FW 99 (FL), Flintlock 99 (Germany)

1996 – 99 Family Medicine Intern and Resident

Department of Family Medicine, Martin Army Community Hospital, Ft Benning, Georgia

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1992 – 96 Medical Student

Uniformed Services University of the Health Sciences, Bethesda, Maryland

1991 – 92 Health Services Materiel Officer

Individual Mobilization Augmentee, Martin Army Community Hospital, Ft Benning, Georgia

1990 – 91 Health Services Materiel Officer

Individual Ready Reserves, 47th MEDSOM Battalion, Ft Hood, Texas

1989 – 90 Assistant Installation Medical Supply Officer and Medical Materiel Mobilization Officer

Tripler Army Medical Center, Hawaii

1989 Battalion S-4 (Logistics Officer) and WESTCOM Humanitarian Assistance Project Officer

25th Medical Battalion, 25th Infantry Division (Light), Schofield Barracks, Hawaii

1988 – 89 Division Medical Supply Officer

25th Infantry Division (Light), Schofield Barracks, Hawaii

Major Training Exercises: Team Spirit 89 (Korea), Opportune Journey 88 (Pohakuloa Training Area, HI)

1987 – 88 Treatment Platoon Leader and Ambulance Platoon Leader

D and C Company, 25th Medical Battalion, 25th Infantry Division (Light), Schofield Barracks, Hawaii

1987 Battalion S-1 (Personnel Officer/Adjutant) and Medical Platoon Leader

4th Battalion, 27th Infantry, 25th Infantry Division (Light), Schofield Barracks, Hawaii

1986 – 87 Medical Platoon Leader

1st Battalion, 35th Infantry, 25th Infantry Division (Light), Schofield Barracks, Hawaii

Major Training Exercises: Orient Shield 87 (Japan), Team Spirit 87 (Korea), Opportune Journey 86

(Pohakuloa Training Area, HI), Lightning Bayonet 86 (Ft Hunter-Liggett, CA)

MILITARY AND MEDICAL TRAINING

• Emergency Ultrasound Course (2011) and recertification • Army Space Cadre Basic Course (2011) • Army Special

Operations Command Senior Leader Executive Course (2010) • Army Command and General Staff College Intermediate

Level Education (2008) • Air Force Advanced Clinical Concepts in Aeromedical Evacuation Course (2005) • Army Medical

Evacuation Doctrine Course (2005) • Federal Aviation Administration Aviation Medical Examiners Course (2005) • Air

Force Global Medicine Course (2005) • Army Preventive Medicine Senior Leaders Course (2005) • Naval Postgraduate

School Aviation Safety Officer Course (Honor Graduate) (2004) • Naval Aviation Preflight Indoctrination Course;

Land/Water Survival; T-34/TH-57 Flight Training (2004) • Treatment of Chemical and Biological Casualties Course (2003)

Advanced Prehospital Trauma Life Support Course (2003) • Advanced Life Support in Obstetrics Provider Course (2001)

and recertifications • Army Medical Department Officer Advanced Course (2000) • Army Jumpmaster Course (2000)

Army Flight Surgeon Primary Course (1999) • Advanced Cardiac Life Support Instructor Course (1999) and recertifications •

Army Brigade Surgeon Course (1998) • Navy Recognition and Treatment of Diving Casualties Course (1997) • Neonatal

Resuscitation Course (1996) • Combat Casualty Care Course, Operation Bushmaster (1995) • Advanced Cardiac Life

Support, and Recertifications (1995) • Advanced Trauma Life Support, and Recertifications (1995) • Operational and

Emergency Medical Skills Course (1993) • Contracting Officer Representative Course (1988) • Medical Materiel

Management Course (Honor Graduate) (1988) • Army Air Assault School (1988) • Tropic Lightning Lightfighters Course

(1987) • Expert Field Medical Badge Course (1987) • Emergency Medical Technician Course (Nationally Registered) (1986)

• Army Ranger School (1986) • Army Medical Department Officer Basic Course (1986) • Army Airborne School (1983)

PROFESSIONAL ACTIVITIES

• President (2020-Present), Military VP (2018-20), Board Member (2011-17), Special Operations Medical Association

• Senior Advisor (2014-19), Committee Member (2006-14), DoD Committee on Tactical Combat Casualty Care

• Board Member (2015-16), Senior Advisor (2014-15), Darby’s Warrior Support, Non-Profit Public Charity

• Advisor (2017-18), Board Member (2015), Brazos Valley Cares, Non-Profit Public Charity

• Chairman (2010-12), US Army Special Operations Command Safety Review Board

• Medical Inspector (2010-12), US Army Special Operations Command Aviation Resource Management Survey Program

• Peer Reviewer (2010-18), Journal of Special Operations Medicine

• Peer Reviewer (2006-07, 2019), Journal of the American Medical Association

• Peer Reviewer (2019), Journal of Transfusion

• Member (2002-03, 06-09), Uniformed Services Academy of Family Physicians Operational Medicine Committee

• Instructor, Combat Casualty Care Course-Bushmaster, San Antonio, TX (2003-04), Fort Indiantown Gap, PA (2008)

• Director (1999-2003, 05-10), Operational Medicine Rotations-Residents, Medical and Nursing Students, Ft Benning, GA

• Army Surgeon General Representative (1992-96), American Medical Association

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PROFESSIONAL SOCIETIES

• American Academy of Family Physicians

• Association of Military Surgeons of the United States

• Aerospace Medical Association

• Society of United States Army Flight Surgeons

• Special Operations Medical Association

• Uniformed Services Academy of Family Physicians

• United States Army Ranger Association

MEDICAL INITIATIVES, PROGRAMS, AND COLLABORATIVE EFFORTS

• Ranger Casualty Card, 1999 (DA Form 7656 TCCC Card, 2009; DD Form 1380 TCCC Card, 2014) • Ranger First

Responder Course, 1999 (modified Army Combat Lifesaver Course, 2003) • Ranger Human Patient Simulator Center, 1999

(model for Army Medical Simulation Training Centers, 2005) • Casualty Response Training for Ranger Leaders Course,

2000 (TRADOC Casualty Response Training for Leaders Course, 2010) • Ranger Bleeder Control Kits, 2000 (model for

Army Improved First Aid Kit, 2005) • Ranger Medic Assessment and Validation Course, 2001 (model for Army Combat

Medic Advanced Skills Training, 2005) • Ratchet Tourniquet, 2001 • Ranger Prehospital Trauma Database, 2001, and

Registry, 2005 • Prehospital Combat use of Oral Transmucosal Fentanyl Citrate, 2003 • Prehospital Combat Wound Pill

Packs, 2003 • Ranger-Atlanta Grady Memorial Trauma Center Medical Sustainment Training Program, 2005 • Ranger

Athlete Warrior Program, 2005 • USASOC Tactical Human Optimization Rapid Rehabilitation and Reconditioning (THOR3)

Program, 2008 • USASOC Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT) Fielding Initiative,

2010 • USASOC Medical Sustainment Training, Update of USASOC Regulation 350-1 and Trauma Center Rotation

Agreements, 2011 • USASOC-UPITT Neurocognitive Assessment Test Research Initiative, 2011 • USASOC-UPITT Injury

Prevention and Performance Optimization Research Initiative, 2011 • USASOC Freeze Dried Plasma Fielding Initiative,

2011 • USAR MEDEVAC-Life Flight and Houston Memorial Hermann Trauma Center Medical Sustainment Training

Program, 2012 • JTS Prehospital Casualty Card Initiative, 2013 (DD Form 1380 TCCC Card, 2014) • JTS Prehospital

Trauma Care After-Action Review Initiative, 2013 (DA Form 4700 TCCC AAR Overprint, 2014) • JTS Prehospital Trauma

Registry Initiative, 2013 • JTS USCENTCOM Pre-Hospital Cell and EMS Director Initiative, 2013-14 • JTS Tactical

Evacuation After-Action Review and Patient Care Record, 2013 (DA Form 4700 TACEVAC AAR & PCR Overprint, 2014)

• JTS Combat Operations Transport Time, Blood Transfusion, and Mortality Studies, 2013-18 • JTS USSOCOM Military

Trauma Mortality Review and Studies, 2012-20 • JTS Combat Operations Military Trauma Mortality Review, 2020

AWARDS

Individual Medals and Ribbons: • Legion of Merit • Bronze Star Medal (x 5) • Meritorious Service Medal (x 3) • Joint

Service Commendation Medal, with “V” (Valor) Device (x 2) • Army Commendation Medal (x 3) • Army Achievement

Medal (x 4) • National Defense Service Medal (x 2) • Armed Forces Expeditionary Medal, with Arrowhead Device (Initial

Invasion Assault – Afghanistan) • Afghanistan Campaign Medal, with 3 Campaign Stars • Iraq Campaign Medal, with 3

Campaign Stars • Global War on Terrorism Expeditionary Medal, with Arrowhead Device (Initial Invasion Assault – Iraq) •

Global War on Terrorism Service Medal • Korea Defense Service Medal • Army Service Ribbon • Overseas Service Ribbon

(x 2) • Shoulder Sleeve Insignia-Former Wartime Service (3d Battalion, 75th Ranger Regiment and 75th Ranger Regiment) •

Overseas Service Bar for six months in hostile fire area (x 7)

Individual Badges: • Combat Medical Badge • Expert Field Medical Badge • Master Flight Surgeon Badge (with >400

Combat Flight Hours and >1000 Total Flight Hours) • Navy Flight Surgeon Badge • Master Parachutist Badge, with 2 Bronze

Service Stars for Combat Parachute Jumps (Afghanistan 2001 and Iraq 2003) • Foreign Parachutist Badges (Brazilian,

German, and Honduran) • Air Assault Badge • Ranger Tab

Individual Awards: • Chairman of the Joint Chiefs of Staff Award for Excellence in Military Medicine (2000) • Order of

Military Medical Merit Medallion (2007) • Infantry Order of Saint Maurice Medallion – Legionnaire Level (2007) •

Distinguished Member of the 75th Ranger Regiment (2010) • Special Operations Medical Association Award for Lifetime

Achievement (2011) • Hero of Military Medicine Award (2012) • Tactical Combat Casualty Care Award (2012) • Uniformed

Services Academy of Family Physicians Operational Medicine Award (2014) • Order of Aeromedical Merit Medallion

(2015) • US Army Ranger Hall of Fame (2020) • Uniformed Services University Distinguished Alumnus (2020)

Unit Awards: • Joint Meritorious Unit Award (3d Battalion, 75th Ranger Regiment 2007, for 2001-2004) • Valorous Unit

Award (3d Battalion, 75th Ranger Regiment 2005, for 2003) • Association of Military Surgeons of the United States Force

Health Protection Award (Joint Trauma System 2014) • Association of Military Surgeons of the United States Military

Health System Battlefield Innovation Award (Joint Trauma System 2015) • Major Jonathan Letterman Award for Medical

Excellence (Joint Trauma System 2015) • Hero of Military Medicine Award (Joint Trauma System 2020)

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PUBLICATIONS, PEER REVIEWED

1. Kotwal RS, Mazuchowski EL, Janak JC, Howard JT, Harcke HT, Holcomb JB, Eastridge BJ, Gurney JM, Shackelford SA. United

States military fatalities during Operation New Dawn. J Trauma Acute Care Surg. 2021; 2021 Aug 1;91(2):375-383. PMID:

34397956.

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2. Shackelford S, Del Junco D, Riesberg J, Powell D, Mazuchowski E, Kotwal R, Loos P, Montgomery H, Remley M, Gurney J,

Keenan S. Case-control analysis of prehospital death and prolonged field care survival during recent US military combat operations. J

Trauma Acute Care Surg. 2021; ;91(2S Suppl 2):S186-S193. PMID: 34324473.

3. Shackelford SA, Gurney JM, Taylor AL, Keenan S, Corley JB, Cunningham CW, Drew BG, Jensen SD, Kotwal RS, Montgomery

HR, Nance ET, Remley MA, Cap AP; Joint Trauma System Defense Committee on Trauma; Armed Services Blood Program. Joint

Trauma System, Defense Committee on Trauma, and Armed Services Blood Program consensus statement on whole blood.

Transfusion. 2021 Jul;61 Suppl 1:S333-S335. PMID: 34269445.

4. Kotwal RS, Mazuchowski EL, Howard JT, Janak JC, Harcke HT, Gurney JM, Shackelford SA. Autopsy-determined atherosclerosis

in elite U.S. military special operations forces. J Spec Oper Med. 2021;21(2):19-24. PMID: 34105116.

5. Fisher AD, Naylor JF, April MD, Thompson D, Kotwal RS, Schauer SG. An Analysis and Comparison of Prehospital Trauma Care

Provided by Medical Officers and Medics on the Battlefield. J Spec Oper Med. 2020;20(4):53-59. PMID: 33320313.

6. Harrison WY, Wardian JL, Sosnov JA, Kotwal RS, Butler FK, Stockinger ZT, Shackelford SA, Gurney JM, Spott MA, Finelli LN,

Mazuchowski EL, Smith DJ, Janak JC. Recommended medical and non-medical factors to assess military preventable deaths: subject

matter experts provide valuable insights. BMJ Mil Health. 2020;166(E):e47-e52. PMID: 31036745. [Published online first April 29,

2019.]

7. Janak JC, Mazuchowski EL, Kotwal RS, Howard JT, Stockinger ZT, Gurney JM, Shackelford SA. Establishing an Enduring Military

Trauma Mortality Review: Misconceptions and Lessons Learned. J Trauma Acute Care Surg. 2020; 89 (2S Suppl 2): S16-S25. PMID:

32301888. [Published online first April 13, 2020.]

8. Kotwal RS, Mazuchowski EL, Howard JT, Janak JC, Montgomery HR, Butler FK, Holcomb JB, Eastridge BJ, Gurney JM,

Shackelford SA. United States Special Operations Command Fatality Study of Subcommands, Units, and Trends. J Trauma Acute

Care Surg. 2020; 89 (2S Suppl 2): S213-S224. PMID: 32265387. [Published online first June 8, 2020.]

9. Goralnick E, Ezeibe C, Chaudhary MA, et al. Defining a Research Agenda for Layperson Prehospital Hemorrhage Control: A

Consensus Statement. JAMA Netw Open. 2020; 3(7): e209393. PMID: 32663307.

10. Mazuchowski EL, Kotwal RS, Janak JC, Howard JT, Harcke HT, Montgomery HR, Butler FK, Holcomb JB, Eastridge BJ, Gurney

JM, Shackelford SA. Mortality Review of US Special Operations Command Battle-Injured Fatalities. J Trauma Acute Care Surg.

2020; 88 (5): 686-695. PMID: 32039975. [Published online first, February 7, 2020.]

11. Staudt AM, Trevino JD, Gurney JM, Valdez-Delgado KK, Suresh M, Butler FK, Mann-Salinas EA, PhD, Kotwal RS. Forward

Surgical Team Procedural Burden and Non-Operative Interventions Experienced by the U.S. Military Trauma System in Afghanistan,

2008-2014. 2020; Mil Med; 185(5-6):e759-e767. PMID: 31863088. [Published online first, December 20, 2019.]

12. Gurney JM, Stern CA, Kotwal RS, Cunningham CW, Burelison DR, Gross KR, Montgomery HR, Whitt EH, Murray CK, Stockinger

ZT, Spott MA, Butler FK, Shackelford SA. Tactical Combat Casualty Care Training Knowledge and Utilization in the U.S. Army. Mil

Med. 2020; 185(Suppl 1): 500-507.

13. Janak JC, Mazuchowski EL, Kotwal RS, Stockinger ZT, Howard JT, Butler FK, Sosnov JA, Gurney JM, Shackelford SA. Patterns of

Anatomic Injury in Critically Injured Combat Casualties: A Network Analysis. Nature Sci Rep. 2019; 9(1):13767. PMID: 31551454.

14. Kotwal RS, Mazuchowski EL, Stern CA, Montgomery HR, Janak JC, Howard JT, Butler FK, Holcomb JB, Eastridge BJ, Gurney JM,

Shackelford SA. A descriptive study of US Special Operations Command fatalities, 2001-2018. J Trauma Acute Care Surg. 2019;

87(3):645-657. PMID: 31045733. [Published online first, April 29, 2019.]

15. Howard JT, Kotwal RS, Turner CA, Janak JC, Mazuchowski EL, Butler FK, Stockinger ZT, Holcomb BR, Bono RC, Smith DJ. Use

of Combat Casualty Care Data to Assess the US Military Trauma System During the Afghanistan and Iraq Conflicts, 2001-2017.

JAMA Surg. 2019;154(7):600-608. PMID: 30916730. [Published online first, March 27, 2019.]

16. Johnson ES, Gaydos SJ, Pavelites JJ, Kotwal RS, Houk JE. U.S. Army Parachute Mishap Fatalities: 2010-2015. Aerosp Med Hum

Perform. 2019;90(7):637-642. PMID: 31227038.

17. Butler FK Jr, Holcomb JB, Shackelford S, Barbabella S, Bailey JA, Baker JB, Cap AP, Conklin CC, Cunningham CW, Davis M,

DeLellis SM, Dorlac WC, DuBose JJ, Eastridge B, Fisher AD, Glasser JJ, Gurney J, Jenkins DA, Johannigman J, King DR, Kotwal

RS, Littlejohn LF, Mabry RL, Martin MJ, Miles EA, Montgomery HR, Northern DM, O'Connor KC, Rasmussen TE, Riesberg JC,

Spinella PC, Stockinger Z, Strandenes G, Via DK, Weber MA. Advanced Resuscitative Care in Tactical Combat Casualty Care:

TCCC Guidelines Change 18-01. J Spec Oper Med. 2018; 18(4):37-55. PMID: 30566723.

18. Reed JR, Carman MJ, Titch JF, Kotwal RS. Implementation and Evaluation of a First-Responder Bleeding-Control Training Program

in a Rural Police Department. J Spec Oper Med. 2018; 18(3):57-61. PMID: 30222838.

19. Kotwal RS, Staudt AM, Mazuchowski EL, Gurney JM, Shackelford SA, Butler FK, Stockinger ZT, Holcomb JB, Nessen SC, Mann-

Salinas EA. A US Military Role 2 Forward Surgical Team Database Study of Combat Mortality in Afghanistan. J Trauma Acute Care

Surg. 2018; 85(3):603-612. PMID: 29851907. [Published on-line first May 30, 2018.]

20. Janak J, Stockinger Z, Mazuchowski E, Kotwal R, Sosnov J, Montgomery H, Butler F, Shackelford S, Gurney J, Spott M, Finelli L,

Smith DJ. Military Preventable Death Conceptual Framework: A Systematic Approach for Reducing Battlefield Mortality. Mil Med.

2018; 183(Suppl 2):15-23. PMID: 30189080.

21. Kotwal RS, Scott LLF, Janak JC, Tarpey BW, Howard JT, Mazuchowski EL, Butler FK, Shackelford SA, Gurney JM, Stockinger

ZT. The Effect of Prehospital Transport Time, Injury Severity, and Blood Transfusion on Survival of US Military Casualties in Iraq. J

Trauma Acute Care Surg. 2018; 85(Suppl 2):S112-S121. PMID: 29334570. [Published on-line first January 12, 2018.]

22. Redman TT, Mayberry KE, Mora AG, Benedict BA, Ross EM, Mapp JG, Kotwal RS. Survey of Casualty Evacuation Missions

Conducted by the 160th Special Operations Aviation Regiment During the Afghanistan Conflict. J Spec Oper Med. 2018; 18(2):79-85.

PMID: 29889961.

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23. Butler FK Jr, Holcomb JB, Shackelford S, Montgomery HR, Anderson S, Cain JS, Champion HR, Cunningham CW, Dorlac WC,

Drew B, Edwards K, Gandy JV, Glassberg E, Gurney J, Harcke T, Jenkins DA, Johannigman J, Kheirabadi BS, Kotwal RS,

Littlejohn LF, Martin M, Mazuchowski EL, Otten EJ, Polk T, Rhee P, Seery JM, Stockinger Z, Torrisi J, Yitzak A, Zafren K, Zietlow

SP. Management of Suspected Tension Pneumothorax in Tactical Combat Casualty Care: TCCC Guidelines Change 17-02. J Spec

Oper Med. 2018; 18(2):19-35. PMID: 29889952.

24. Barringer N, Crombie A, Kotwal R. Impact of a Nootropic Supplementation on Measures of Mood, Stress, and Marksmanship

Performance in Active Duty Soldiers. J Int Soc Sports Nutr. 2018; 15(1):26. PMID: 29855372.

25. Janak JC, Sosnov JA, Bares JM, Stockinger ZT, Montgomery HR, Kotwal RS, Butler FK, Shackelford SA, Gurney JM, Spott MA,

Finelli LN, Mazuchowski EL, Smith DJ. Comparison of Military and Civilian Methods for Determining Potentially Preventable

Deaths: A Systematic Review. JAMA Surg. 2018; 153(4):367-375. PMID: 29466560. [Published on-line first February 21, 2018.]

26. Kotwal RS, Staudt AM, Trevino JD,Valdez-Delgado KK, Le TD, Gurney JM, Sauer SW, Shackelford SA, Stockinger ZT, Mann-

Salinas EA. Review of Casualties Transported to Role 2 Medical Treatment Facilities in Afghanistan. Mil Med. 2018; 183(suppl

1):134-145. PMID: 29635602.

27. Howard JT, Kotwal RS, Santos AR, Martin MJ, Stockinger ZT. Re-examination of a Battlefield Trauma Golden Hour Policy. J

Trauma Acute Care Surg. 2018; 84(1):11-18. PMID: 29266051. [Published on-line first October 16, 2017.]

28. Schauer SG, April MD, Naylor JF, Oliver JJ, Cunningham CW, Fisher AD, Kotwal RS. A Descriptive Analysis of Data from the

Department of Defense Joint Trauma System Prehospital Trauma Registry. US Army Med Dep J. 2017; Oct-Dec:92-97. PMID:

29214626.

29. Shackelford SA, del Junco DJ, Powell-Dunford N, Mazuchowski E, Howard JT, Kotwal RS, Gurney J, Butler FK, Gross K,

Stockinger Z. Association of Prehospital Blood Product Transfusion During Medical Evacuation of Combat Casualties in Afghanistan

With Acute and 30-Day Survival. JAMA. 2017; 318(16):1581-1591. PMID: 29067429.

30. Kotwal RS, Montgomery HR, Miles EA, Conklin CC, Hall MT, McChrystal SA. Leadership and a Casualty Response System for

Eliminating Preventable Death. J Trauma Acute Care Surg. 2017; 82(6 Suppl 1):S9-S15. PMID: 28333833. [Published on-line first

March 22, 2017.]

31. Kotwal RS, Butler FK. Junctional Hemorrhage Control for Tactical Combat Casualty Care. Wilderness Environ Med. 2017; 28(Suppl

2):S33-38. PMID: 28318990. [Published on-line first March 16, 2017.]

32. DeSoucy ES, Shackelford S, Dubose J, Zweben S, Rush SC, Kotwal RS, Montgomery HR, Keenan S. A Novel Review of 54 Cases

of Prolonged Field Care. J Spec Oper Med. 2017; 17(1):121-9. PMID: 28285490.

33. Manners J, Forsten RL, Kotwal RS, Lutz RH, Collins MW, Elbin RJ, Kontos AP. Role of Premorbid Factors and Exposure to Blast

Mild Traumatic Brain Injury on Post-traumatic Stress in U.S. Military Personnel. J Neurotrauma. 2016; 33(19):1796-1801. PMID:

27027526. [Published on-line first March 30, 2016.]

34. Barringer ND, Kotwal RS, Lewis MD, Funderburk LK, Elliott TR, Crouse SF, Smith SB, Greenwood M, Kreider RB. Fatty Acid

Blood Levels, Vitamin D Status, Physical Performance, Activity, and Resilience: A Novel Potential Screening Tool for Depressed

Mood in Active Duty Soldiers. Mil Med. 2016; 181(9):1114-20. PMID: 27612362.

35. Robinson JB, Smith MP, Gross KR, Sauer SW, Geracci JJ, Day CD, Kotwal RS. Battlefield Documentation of Tactical Combat

Casualty Care in Afghanistan. US Army Med Dep J. 2016 Apr-Sep; (2-16) 89-94. PMID: 27215873

36. Kotwal RS, Champion HR, Gross KR. A Military-Specific Injury Scoring System to Aid in Understanding the Golden Hour—Reply.

JAMA Surg. 2016; 151(5):491-492. PMID: 26763674. [Published on-line first January 13, 2016.]

37. Kotwal RS, Howard JT, Orman JA, Tarpey BW, Bailey JA, Champion HR, Mabry RL, Holcomb JB, Gross KR. The Effect of a

Golden Hour Policy on the Morbidity and Mortality of Combat Casualties. JAMA Surg. 2016; 151(1):15-24. PMID: 26422778.

[Published on-line first September 30, 2015.]

38. Gerhardt RT, Reeves PT, Kotwal RS, Mabry RL, Robinson JB, Butler FK. Analysis of Prehospital Documentation of Injury-Related

Pain Assessment and Analgesic Administration on the Contemporary Battlefield. Prehosp Emerg Care. 2016; 20(1):37-44. PMID:

26727337.

39. Daigle KA, Logan CM, Kotwal RS. Comprehensive Performance Nutrition for Special Operations Forces. J Spec Oper Med. 2015;

15(4):26-39. PMID: 26630094.

40. Fisher AD, Callaway DW, Robertson JN, Hardwick SA, Bobko JP, Kotwal RS. The Ranger First Responder Program and Tactical

Emergency Casualty Care Implementation: A Whole-Community Approach to Reducing Mortality From Active Violent Incidents. J

Spec Oper Med. 2015; 15(3):46-53. PMID: 26360353.

41. Kontos AP, Elbin RJ, Kotwal RS, Lutz RH, Kane S, Benson PJ, Forsten RD, Collins MW. The Effects of Combat-Related Mild

Traumatic Brain Injury (mTBI): Does Blast mTBI History Matter? J Trauma Acute Care Surg. 2015; 79(4 Suppl 2):S146-51. PMID:

26131789.

42. Mulvaney SW, Lynch JH, Kotwal RS. Clinical Guidelines for Stellate Ganglion Block to Treat Anxiety Associated with Post-

Traumatic Stress Disorder. J Spec Oper Med. 2015; 15(2):76-82. PMID: 26125169.

43. Sauer SW, Robinson JB, Smith MP, Gross KR, Kotwal RS, Mabry RL, Butler FK, Stockinger ZT, Bailey JA, Mavity ME, Gillies

DA. Saving Lives on the Battlefield (Part II) – One Year Later: A Joint Theater Trauma System and Joint Trauma System Review of

Prehospital Trauma Care in Combined Joint Operations Area – Afghanistan (CJOA-A). J Spec Oper Med. 2015; 15(2):25-41. PMID:

26125162. Final report presented to U.S. Central Command in April 2014.

44. Kragh JF, Kotwal RS, Cap AP, Aden JK, Walters TJ, Kheirabadi BS, Gerhardt RT, DeLorenzo RA, Pidcoke HF, Cancio LC.

Performance of Junctional Tourniquets in Normal Human Volunteers. Prehosp Emerg Care. 2015; 19(3):391-8. PMID: 25494825.

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45. McGarry AB, Mott JC, Kotwal RS. A Study of Prehospital Medical Documentation by Military Medical Providers during Precombat

Training. J Spec Oper Med. 2015; 15(1):79-84. PMID: 25770802.

46. Shackelford SA, Butler FK Jr, Kragh JF Jr, Stevens RA, Seery JM, Parsons DL, Montgomery HR, Kotwal RS, Mabry RL, Bailey JA.

Optimizing the Use of Limb Tourniquets in Tactical Combat Casualty Care: TCCC Guidelines Change 14-02. J Spec Oper Med.

2015; 15(1):17-31. PMID: 25770795.

47. Shackelford SA, Fowler M, Schultz K, Summers A, Galvagno SM, Gross KR, Mabry RL, Bailey JA, Kotwal RS, Butler FK.

Prehospital Pain Medication use by U.S. Forces in Afghanistan. Mil Med. 2015; 180(3):304-9. PMID: 25735021.

48. Kragh JF Jr, Parson DL, Kotwal RS, Kheirabadi BS, Aden JK, Gerhardt RT, Baer DG, Dubick MA. Author Reply, Testing of

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