

AUG 2016

## CURRICULUM VITAE

NAME: TAD L. GERLINGER, M.D  
Colonel, Medical Corps, US Army, Retired  
Midwest Orthopaedics at Rush  
1611 W. Harrison St., Suite 300  
Chicago, IL, 60612  
Cell (312)405-0359  
Office (312)432-2429  
Fax: (708) 409-5179  
Email: tadgerlinger@me.com

### PERSONAL INFORMATION

Date of Birth: February 12, 1968  
Place of Birth: Portsmouth, VA  
Citizenship: United States

### EDUCATION

1986-1990 B.S., United States Military Academy  
1990-1994 M.D., Uniformed Services University of the Health Sciences  
1994-1995 Internship, Tripler Army Medical Center  
1997-2001 Residency in Orthopaedic Surgery, Madigan Army Medical Center  
2004-2005 Fellowship in Adult Reconstruction, Rush University Medical Center

### CURRENT PROFESSIONAL POSITIONS

2008-13 Program Director, Orthopaedic Surgery Residency, San Antonio Military Medical Center  
2005-14 Chief, Adult Reconstruction, San Antonio Military Medical Center  
2004-13 Assistant Professor of Surgery, Uniformed Services University of the Health Sciences  
2013- Associate Professor of Surgery, Uniformed Services University of the Health Sciences  
2014- Assistant Professor, Rush University

### BOARD CERTIFICATION

2003 American Board of Orthopaedic Surgery  
2012 Recertification, American Board of Orthopaedic Surgery

### MEDICAL LICENSURE

1995-2005 North Carolina #9501250(inactive)  
2004- Illinois #036-111139  
2006-15 Texas #M4089(inactive)  
2008-14 West Virginia #23111(inactive)

### HONORS/AWARDS

1985 Eagle Scout  
1986-90 Dean's List, USMA  
1987-90 Superintendent's Award, USMA  
1992 USUHS Sanford Trophy for Airborne Excellence  
1994 Intern Class President  
1995 Flight Surgeon Course, Distinguished Honor Graduate (#1 in class of 30)

1996 Navy Undersea Medicine Course  
 1996 Expert Field Medical Badge  
 1996 Jumpmaster School, Honor Graduate (#1 in class of 50)  
 1997 Army Commendation Medal  
 1999 Below Zone Promotion to Major, US Army (1 of 6 promoted one year ahead of peers)  
 2000 Orthopaedic Resident Research Award, MAMC  
 2000 Madigan Research Day Award Winner  
 2002 Bronze Star Medal, for meritorious achievement in combat  
 2002 Combat Medical Badge (awarded in Afghanistan and Iraq), care of combat casualties under fire  
 2003 Joint Service Commendation Medal (2 awards)  
 2004 Meritorious Service Medal  
 2004 Air Medal, for meritorious achievement during casualty air evacuation mission in hostile territory  
 2009 Order of Military Medical Merit  
 2010 Surgeon General's 'A' Proficiency Designator, equivalent to Professorship  
 2010 Below Zone Promotion to Colonel, US Army (1 of 2 promoted one year ahead of peers)  
 2011 Army Commendation Medal  
 2011 Ridder, Den Blodrøde Bondasjes Orden – Knight, Order of the Blood Red Bandage(Norway), for actions performed in the care of Norwegian combat casualties, Afghanistan  
 2013 Military Outstanding Volunteer Service Medal  
 2014 USU Alumni Association Military Medicine Award

#### PREVIOUS PROFESSIONAL POSITIONS

1995-1997 Battalion Surgeon/Medical Platoon Leader/Flight Surgeon, 528<sup>th</sup> Special Operations Support Bn (ABN)  
 2001-2004 Chief, Orthopaedic Clinic, Womack Army Medical Center  
 2001 Orthopaedic Surgeon, Task Force Falcon, Operation Joint Guardian, Kosovo  
 2001-2002 Orthopaedic Surgeon, 274<sup>th</sup> Forward Surgical Team(ABN), Operation Enduring Freedom, Afghanistan  
 2003 Orthopaedic Surgeon, Joint Special Operations Task Force, Operation Iraqi Freedom  
 2011 Orthopaedic Surgeon, 936<sup>th</sup> Forward Surgical Team, Operation Enduring Freedom (11), Afghanistan

#### PROFESSIONAL SOCIETIES:

2000- Society of Military Orthopaedic Surgeons  
     Member, 2000  
     Board of Directors, 2005-  
     2<sup>nd</sup> Vice President, 2009-10  
     1<sup>st</sup> Vice President, 2010-2011  
     President, 2011-2012  
  
 2004- American Academy of Orthopaedic Surgeons  
     Fellow, 2004  
     Representative, Board of Specialty Societies, 2006-2011  
     Education Committee, 2009-2011  
     Consultant, International Committee Disaster Preparedness Project Team, 2012-  
     Central Instructional Course Committee, 2013-  
     Chair, 2015-16  
     Education Track Committee Member, 2015-  
  
 2010- American Orthopaedic Association  
  
 2010-14 Texas Medical Association  
  
 2010-14 Bexar County Medical Society

2010-13 San Antonio Orthopaedic Society

2013- American Association of Hip and Knee Surgeons, Fellow

USUHS TEACHING ACTIVITIES:

Attending, Orthopaedic Surgery Service, Brooke Army Medical Center(2005-)  
Preceptor, 3<sup>rd</sup> and 4<sup>th</sup> Year Clerkship

RESEARCH GRANTS

Gerlinger T, local PI	3/2009-10/2010	10% Effort	\$147,362.50
ClinicalTrials.gov Identifier:	NCT00712816		

Funding source: Industry Funded CRADA through the Geneva Foundation

Title: Investigating the Use of a Cryopneumatic Therapy Device in Primary Total Knee Arthroplasty Patients”

Summary: To determine the effectiveness of the Game Ready cold and intermittent pneumatic compression device, vs. a device that provides cold with static compression (I.E., ice and compression bandage).

EDITORIAL ACTIVITIES:

2010- Reviewer, *Military Medicine*

2011- Founding Co-Editor, Disaster Preparedness Toolbox, [Wheelessonline.com](http://Wheelessonline.com)

2011 Special Issue Editor, *Journal of Surgical Orthopaedic Advances*, Spring, 2011

2013- Reviewer, *Journal of Arthroplasty*

OTHER PROFESSIONAL ACTIVITIES:

2008-12 Joint Service Graduate Medical Education Selection Board

2008-13 Graduate Medical Education Committee (GMEC), San Antonio Uniformed Services Health Education Consortium(SAUSHEC)

2009 Invited Attendee, Stakeholder Meeting, Congressionally Directed Medical Research Program, Peer-Reviewed Orthopaedic Research Program

2009-13 Seminar Director, George Omer Annual Research Day

2010-13 Scientist Reviewer, Congressionally Directed Medical Research Program, Peer-Reviewed Orthopaedic Research Program

2011- Program Director, SOMOS/AAOS/OTA Disaster Response Course

2012- Consultant, AAOS International Committee Disaster Preparedness Project Team

2013 Session Moderator, 2013 AAOS/OTA/SOMOS/ORS Extremity War Injuries VIII: Sequelae of Combat Injuries

2013- Member, Surgical Management of Osteoarthritis of the Knee Work Group, AAOS

2013- Central Instructional Course Committee, AAOS

#### INVITED EXTRAMURAL PRESENTATIONS

1. **Gerlinger T.** Emergency Management of Limb Trauma – Lessons Learned from Recent Disasters. San Antonio Orthopaedic Society Meeting, February 2013.
2. **Gerlinger T.** Emergency Management of Limb Trauma – Lessons Learned from Recent Disasters. Australian Orthopaedic Association Annual Meeting, 2012.
3. **Gerlinger T.** Trauma Systems and Training: US Military Perspective. Australian Orthopaedic Association Annual Meeting, 2012.
4. **Gerlinger T.** American Disaster Training. Society of Military Orthopaedic Surgeons, Australian Orthopaedic Association Annual Meeting, 2012.
5. **Gerlinger**, Berrey, Covey, Hayda, Provencher. Disaster Response Orthopaedics: Pearls from Frontline. Symposium Moderator, American Academy of Orthopaedic Surgeons Annual Meeting, 2012.
6. Grogan, **Gerlinger**. Use Of A Cryopneumatic Therapy Device In Primary Total Knee Arthroplasty: Interim Data From Four Military Treatment Facilities. Society of Military Orthopaedic Surgeons Annual Meeting, 2011.
7. **Gerlinger T.** Multinational Trauma Team. Norwegian Army Medical Conference, Camp Setermoen, Norway, 2011.
8. **Gerlinger T.** Care of the Wounded Warrior; From the First Responder to Recovery. Norwegian Army Medical Conference, Camp Setermoen, Norway, 2011.
9. Orthopaedic Combat Trauma: 10 Years at War. Grand Rounds, Northwestern University Orthopaedic Department, Chicago, June 2011
10. Masini, **Gerlinger**, Hsu, Ritenour, Wenke: Acute Compartment Syndrome of the Thigh in Combat Casualties. Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
11. Glebus, **Gerlinger**, Hsu: Deployability Following Lower Extremity Total Joint Replacement in Active Duty Military Personnel. Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
12. Fuller, Dowd, **Gerlinger**, Hsu: Publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons. Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
13. Krueger, Murray, Mende, Guymon, **Gerlinger**: Bacterial Contamination of Surgical Scrubs; A Nosocomial Infection Risk? Infectious Disease Society Annual Meeting, 2010, Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
14. Masini, Stinner, Waterman, **Gerlinger**, Wenke: Bacterial Adherence to Titanium Versus Bioabsorbable Tibial Interference Screws. Society of Military Orthopaedic Surgeons Annual Meeting, December 2009, American Academy of Orthopaedic Surgeons Annual Meeting, March 2010.
15. Dowd, **Gerlinger**: Comparison of Bacterial Adherence in Titanium and Tantalum Acetabular Implants. Society of Military Orthopaedic Surgeons Annual Meeting, December 2009, Mid-America Annual Meeting, April 2010.

16. Davis, **Gerlinger**: Return to Driving after Less Invasive Total Knee Arthroplasty. Society of Military Orthopaedic Surgeons Annual Meeting, 2009, American Academy of Orthopaedic Surgeons Annual Meeting, 2010.
17. Orthopaedic War Trauma Update and Minimally Invasive Total Joint Arthroplasty in a Managed Care Setting. Larry S. Matthews Lectureship, University of Michigan, May 2009.
18. **Gerlinger**, Robbins: Can Carbon Fiber Rods for the Hoffman II External Fixator be Re-Used? Society of Military Orthopaedic Surgeons Annual Meeting, 2007.
19. Doman, **Gerlinger**: Minimally Invasive Total Joint Arthroplasty in a Managed Care Setting. Society of Military Orthopaedic Surgeons Annual Meeting, 2007.
20. Coates, **Gerlinger**: Outcomes of Closed Femur Fractures Treated with External Fixation in the Combat Zone. Society of Military Orthopaedic Surgeons Annual Meeting, 2006.
21. Frontline Orthopaedics. Grand Rounds, Northwestern University Orthopaedic Department, Chicago, June 2006.
22. **Gerlinger**, Berger: Hybrid Total Knee Arthroplasty: 10 years Radiographic and Clinical F/U. Society of Military Orthopaedic Surgeons Annual Meeting, 2005.
23. Frontline Orthopaedics. Grand Rounds, University of Chicago Orthopaedic Department, April 2004.
24. **Gerlinger**, Burlingame, Peoples: The Combat Experience of an Army Forward Surgical Team in Operation Enduring Freedom. Society of Military Orthopaedic Surgeons Annual Meeting, 2002, Poster presentation, Orthopaedic Trauma Association Meeting, 2002.
25. Molinari, **Gerlinger**: Functional Outcome of Instrumented Posterior Lumbar Interbody Fusion(PLIF) in Active Duty U.S. Servicemen: A Comparison with Nonoperative Management. American Academy of Orthopaedic Surgeons Annual Meeting, 2001, Current Controversies and Challenges in Spinal Surgery meeting, Naples, 2000, Spine + Science + Management Program, New Orleans, 2000.

#### PEER-REVIEWED PUBLICATIONS

1. Fillingham YA, Kayupov E, Plummer DR, Moric M, **Gerlinger TL**, Della Valle CJ. A Randomized Controlled Trial of Oral and Intravenous Tranexamic Acid in Total Knee Arthroplasty: The Same Efficacy at Lower Cost? *J Arthroplasty*. 2016 Mar 19. pii: S0883-5403(16)00288-6. doi: 10.1016/j.arth.2016.02.081. [Epub ahead of print] PMID: 27113948
2. McGrory B, Weber K, Lynott JA, Richmond JC, Davis CM 3rd, Yates A Jr, Kamath AF, Dasa V, Brown GA, **Gerlinger TL**, Villanueva T, Piva S, Hebl J, Jevsevar D, Shea KG, Bozic KJ, Shaffer W, Cummins D, Murray JN, Donnelly P, Patel N, Brenton B, Shores P, Woznica A, Linskey E, Sevarino K. The American Academy of Orthopaedic Surgeons Evidence-Based Clinical Practice Guideline on Surgical Management of Osteoarthritis of the Knee. *J Bone Joint Surg Am*. 2016 Apr 20;98(8):688-92. doi: 10.2106/JBJS.15.01311. PMID: 27098328
3. McDowell M, Park A, **Gerlinger TL**. The Painful Total Knee Arthroplasty. *Orthop Clin North Am*. 2016 Apr;47(2):317-26. PMID: 26772940
4. FLOW Investigators, Bhandari M, Jeray KJ, Petrisor BA, Devereaux PJ, Heels-Ansdell D, Schemitsch EH, Anglen J, Della Rocca GJ, Jones C, Kreder H, Liew S, McKay P, Papp S, Sancheti P, Sprague S, Stone TB, Sun X, Tanner SL, Tornetta P 3rd, Tufescu T, Walter S, Guyatt GH. A Trial of Wound Irrigation in the Initial Management of Open Fracture Wounds. *N Engl J*

- Med. 2015 Dec 31;373(27):2629-41. doi: 10.1056/NEJMoa1508502. Epub 2015 Oct 8. PMID: 26448371
5. Johnson AE, **Gerlinger TL**, Born CT. The American Academy of Orthopaedic Surgeons/Society of Military Orthopaedic Surgeons/Orthopaedic Trauma Associations/Pediatric Orthopaedic Association Disaster Response and Preparedness Course. *J Orthop Trauma*. 2015 Oct;29 Suppl 10:S23-5. PMID: 26356210
  6. Orr JD, Hoffmann JD, Arrington ED, **Gerlinger TL**, Devine JG, Belmont PJ Jr. Army orthopaedic surgery residency program directors' selection criteria. *J Surg Orthop Adv*. 2015 Summer;24(2):120-4. PMID: 25988694
  7. Andersen RC, D'Alleyrand JC, Swiontkowski MF, Ficke JR; Extremity War Injuries VIII Session Moderators. Extremity War Injuries VIII: sequelae of combat injuries. *J Am Acad Orthop Surg*. 2014 Jan;22(1):57-62. doi: 10.5435/JAAOS-22-01-57.
  8. Glebus, Feathers, Hsu, **Gerlinger**. Return to Duty and Deployment After Major Joint Arthroplasty. *J Arthroplasty*. 2013 Jul 3. pii: S0883-5403(13)00199-X. doi: 10.1016/j.arth.2013.02.028. [Epub ahead of print]
  9. Masini, **Gerlinger**, Hsu, Ritenour, Wenke. Acute Compartment Syndrome of the Thigh in Combat Casualties. *J Surg Orthop Adv*. 2013 Spring;22(1):42-9.
  10. Masini, Stinner, Waterman, Wenke, **Gerlinger**. Bacterial Adherence to Titanium, Poly-l-lactic Acid, and Composite Hydroxyapatite and Poly-l-lactic Acid Interference Screws. *J Surg Orthop Adv*. 2012 Winter;21(4):237-41.
  11. Robbins J, **Gerlinger TL**, Ward JA. Can Carbon Fiber Rods for the Hoffman II® External Fixator be Reused? *Am J Orthop*. 2012;41(12):551-553.
  12. Su EP, Perna M, Boettner F, Mayman DJ, **Gerlinger T**, Barsoum W, Randolph J, Lee G. A Prospective, Multi-center, Randomised Trial to Evaluate the Efficacy of a Cryopneumatic Device on Total Knee Arthroplasty Recovery. *J Bone Joint Surg Br*. 2012 Nov;94-B(11 Suppl):153-6.
  13. Krueger CA, Murray CK, Mende K, Guymon CH, **Gerlinger TL**. The Bacterial Contamination of Surgical Scrubs. *Am J Orthop*. 2012 May;41(5):E69-E73.
  14. Fuller, Dowd, Masini, **Gerlinger**. Publication rates of abstracts presented at the annual meeting of the Society of Military Orthopaedic Surgeons. *J Surg Orthop Adv*. 2012 Summer;21(2):1-4.
  15. Doman D, **Gerlinger T**. Total Knee and Hip Arthroplasty Cost Savings with a Rapid Recovery Protocol in a Military Medical Center. *Mil Med*. 2012 Jan; 177(1): 64-69.
  16. Blair JA, Stinner DJ, Kirby JM, **Gerlinger TL**, Hsu JR. Quantification of Femoral Neck Exposure Through a Minimally Invasive Smith-Petersen Approach. *J Orthop Trauma*. 2010 Jun;24:355-358.
  17. Needham J, Burns T, **Gerlinger TL**: Catastrophic Failure of Ceramic-Polyethylene Bearing Total Hip Arthroplasty. *J Arthroplasty*. 2008 Jun;23(4):627-30.
  18. Carmouche J, Molinari R, **Gerlinger T**, DeVine J, Patience T: Effects of Pilot Hole Preparation on Pedicle Screw Fixation in Different Regions of the Osteoporotic Thoracic and Lumbar Spine. *J Neurosurg Spine*. 2005 Nov;3:364-370.
  19. Berger R, Sanders S, **Gerlinger T**, Della Valle C, Jacobs J, Rosenberg A: Outpatient Total Knee Arthroplasty with a Minimally Invasive Technique. *J Arthroplasty*. 2005 Oct;20(6 suppl 3):33-8.

20. **Gerlinger T**, Ghate R, Paprosky W: Posterior Approach: Back Door In. *Orthopedics*. 2005 Sep;28(9):931-933.
21. Peoples G, **Gerlinger T**, Craig R, Burlingame B: The 274th Forward Surgical Team Experience during Operation Enduring Freedom. *Mil Med*. 2005 Jun;170(6):451-459.
22. Peoples G, **Gerlinger T**, Craig R, Burlingame B: Combat Casualties in Afghanistan Cared for by a Single Forward Surgical Team during the Initial Phases of Operation Enduring Freedom. *Mil Med*. 2005 Jun;170(6):462-468.
23. Peoples G, **Gerlinger T**, Budinich C, Burlingame B: The Most Frequently Requested Precombat Refresher Training by the Special Forces Medics during Operation Enduring Freedom. *Mil Med*. 2005 Jan;170(1):31-37.
24. Vassallo D, **Gerlinger T**, Maholtz P, Burlingame B, Shepherd A: Combined UK/US Field Hospital Management of a Major Incident Arising from a Chinook Helicopter Crash in Afghanistan, 28 Jan 2002. *J R Army Med Corps*. 2003 Mar;149(1):47-52.
25. Molinari R, **Gerlinger T**: Functional Outcome of Instrumented Posterior Lumbar Interbody Fusion(PLIF) in Active Duty U.S. Servicemen: A Comparison with Nonoperative Management. *The Spine Journal*. 2001 May-Jun;1(3):215-224.
26. Connolly B, Turner C, DeVine J, **Gerlinger T**: Jefferson fracture resulting in Collet-Sicard syndrome. *Spine*. 2000 Feb 1;25(3):395-398.
27. Connolly B, Johnstone F, **Gerlinger T**, Puttler E: Methicillin-resistant Staphylococcus aureus in a finger felon. *J Hand Surg [Am]*. 2000 Jan;25(1):173-175.
28. Connolly B, **Gerlinger T**, Pitcher J: Complete masking of a severe open-book pelvic fracture by a pneumatic antishock garment. *J Trauma*. 1999 Feb;46(2):340-342.
29. **Gerlinger T**, Doukas W, Munter F: A 26-year-old man with shoulder pain. *Am J Orthop*. 1998 Feb;27(2):146-150.

#### BOOK CHAPTERS

1. Throckmorton T, MD, Ed, **Gerlinger TL**, MD, Asst Ed. Instructional Course Lectures, Volume 65. American Academy of Orthopaedic Surgeons. ISBN :9781625524355
2. Hellman M, **Gerlinger T**: Chapter 5 Total Knee Arthroplasty: In: Case Competencies in Orthopaedic Surgery, Frank R, Forsythe B, Provencher M, eds. Elsevier Saunders Incorporated, Philadelphia, PA. 2017, pp 53-62.
3. **Gerlinger T**: Chapter 52 Military Orthopedic Trauma Experience: Civilian Applications in an Austere Environment: In: Orthopaedic Trauma in the Austere Environment, Robinson JD, ed. Springer International Publishing, Switzerland. 2016. ISBN 978-3-319-29122-2
4. Born C, Calfee R, Hayda R, **Gerlinger T**, Kadrmas W, Ginaitt P: Ch12 Disaster Management: In: Skeletal Trauma: Basic Science, Management, and Reconstruction, 5th Edition, Browner B, Jupiter J, Krettek C, Anderson P. Elsevier Saunders Incorporated, Philadelphia, PA. 2014, pp 331-349.

5. Pallis M, **Gerlinger T**: Echelons of Care: In: Combat Orthopedic Surgery: Lessons Learned in Iraq and Afghanistan, Owens BD, Belmont PJ, eds. SLACK Incorporated, Thorofare, NJ, 2011, pp 23-30.
5. **Gerlinger T**: Question 48: A Patient Fell and now has a Periprosthetic Femur Fracture with a Loose Femoral Component. How Should I Approach this Surgery? In: Curbside Consultation in Hip Arthroplasty, Sporer S, ed. SLACK Incorporated, Thorofare, NJ. 2008.

#### OTHER PEER-REVIEWED SCHOLARLY WORKS

1. Tennet D, Stinner D, Forster M, **Gerlinger T**. Early Preparation of Femoral Stem in Cemented Total Hip Arthroplasty: The Candlestick Technique. Poster Presentation, Society of Military Orthopaedic Surgeons Annual Meeting 2012.
2. Krueger, Murray, Mende, Guymon, **Gerlinger**: Bacterial Contamination of Surgical Scrubs; A Nosocomial Infection Risk? Poster Presentation, Infectious Disease Society Annual Meeting, 2010, Orthopaedic Research Society Annual Meeting, 2010
3. Potter, Forsberg, Burns, Hsu, Elster, Brown, Davis, **Gerlinger**, Tadaki: Heterotopic Ossification, Following Combat-Related Trauma. Scientific Exhibit, American Academy of Orthopaedic Surgeons Annual Meeting, March 2010.
4. Tucker, **Gerlinger**, Ficke, Hayda: Traumatic Amputations Due to Motor Vehicle Collisions with Guardrails: A Case Series and Review of the Literature. Poster Presentation, Society of Military Orthopaedic Surgeons Annual Meeting 2007
5. **Gerlinger T**. The Combat Experience of an Army Forward Surgical Team in Operation Enduring Freedom. Poster presentation, Orthopaedic Trauma Association, Annual Meeting, 2002.
6. **Gerlinger**, Molinari. The Effect of Tapped, Untapped and Undertapped Pilot Holes on the Pull-out Strength of Lumbar, Thoracic, and Sacral Pedicle Screws. Poster presentation, Society of Military Orthopaedic Surgeons, Annual Meeting, 2001.
7. **Gerlinger**, King: Posterior Spinal Fusion Through a Heparin Window for Scoliosis Associated with Congenital Heart Disease. Poster Presentation, 113th Annual Meeting of the American Orthopaedic Association, Hot Springs, Virginia, 2000.