

CURRICULUM VITAE

NAME: TAD L. GERLTNGE R, M.D
 Colonel, Medical Corps, US Army, Retired
 Midwest Orthopaedics at Rush
 1611 W. Harrison St., Suite 300
 Chicago, IL, 60612
 Office (312) 432-2429
 Fax: (708) 409-5179
 Email: Tad.Gerlinger@rushortho.com

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
 2014-19 Assistant Professor, Rush University
 2019- Associate Professor, Rush University
 2016-18 Co-Director, Adult Reconstruction Fellowship , Rush University Medical Center
 2018- Director, Adult Reconstructive Fellowship , Rush University Medical Center
 2019- Member, Board of Directors, Rush Oak Brook Surgery Center
 2021- Member, Management Committee, Midwest Orthopaedics at Rush

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
 2006-16 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 (Afghanistan' 02 and Iraq'03), 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 Blodrnde 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 Legion of Merit
 2014 USU Alumni Association Military Medicine Award
 2017 American Academy of Orthopaedic Surgeons Achievement Award

PREVIOUS PROFESSIONAL POSITIONS

1995-1997 Battalion Surgeon/Medical Platoon Leader/Flight Surgeon, 528th 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, 274th Forward Surgical Team(ABN) , Operation Enduring Freedom, Afghanistan
 2003 Orthopaedic Surgeon, Joint Special Operations Task Force, Operation Iraqi Freedom
 2011 Orthopaedic Surgeon, 936th Forward Surgical Team. Operation Enduring Freedom (11), Afghanistan

PROFESSIONAL SOCIETIES:

2000- Society of Military Orthopaedic Surgeons
 Member, 2000
 Board of Directors, 2005-17
 2nd Vice President, 2009-10
 1st 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, 2013-18
 Chair, 2015-16
 Education Track Committee Member, 2015-17

2010- American Orthopaedic Association

2010-14 Texas Medical Association

2010-14 Bexar County Medical Society

2010-14 San Antonio Orthopaedic Society

2013- American Association of Hip and Knee Surgeons, Fellow

EDITORIAL ACTIVITIES:

2010- Reviewer, *Military Medicine*

2011- Founding Co-Editor, Disaster Preparedness Toolbox, Wheelessonline.com

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

2013- Reviewer, *Journal of Arthroplasty*

2019- Reviewer, *Journal of Knee Surgery*

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

2011-14 Program Director, SOMOS/AAOS/OTA Disaster Response Course

2012-16 Consultant, AAOS International Committee Disaster Preparedness Project Team

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

2013-16 Member, Surgical Management of Osteoarthritis of the Knee Work Group, AAOS

2013-18 Central Instructional Course Committee. AAOS

2018 ABOS Blueprint Advisory Committee, Practice-Profiled Recertification Examination in Adult Reconstruction

INVITED EXTRAMURAL PRESENTATIONS

1. **Gerlinger T.** Hospital and ASC: Not Frenemies - Balancing a Successful Partnership. Total Joint Arthroplasty in the Ambulatory Setting Meeting. Chicago, November 4, 2019.
2. Della Valle C, Nam D, **Gerlinger T**, Hannon C, Culvern C. Education Increases Disposal of Unused Opioids after Total Joint Arthroplasty: A Randomized Controlled Trial. AAHKS Annual Meeting 2019.
3. Della Valle C, Nam D, **Gerlinger T**, Hannon C, Culvern C. Large Opioid Prescriptions are Unnecessary after Total Joint Arthroplasty: A Randomized Controlled Trial. MAOA annual conference 2019.
4. **Gerlinger T.** Fixed Bearing UK.A. 11th Annual Emily Berend Adult Reconstruction Symposium, Duke University Medical Center, 26 April 27, 2019.

5. **Gerlinger T.** Patient Engagement Tools. 11,1i Annual Emily Berend Adult Reconstruction Symposium, Duke University Medical Center, 26 April 27, 2019.
6. **Gerlinger T,** Berend K, Berger R, Lonner J. ICL 142: Partial Knee Arthroplasty: State of the Art. AAOS Annual Meeting 2019 .
7. Hannon CP, Calkins TE, Li J, Culvern C, Darrith B, Nam D. **Gerlinger TL,** Della Valle CJ. Large Opioid Prescriptions are Unnecessary after Total Joint Arthroplasty: A Randomized Controlled Trial. AAOS Annual Meeting 2019.
8. Tetrault M, Li J, Edmiston T. Nam D, **Gerlinger T.** Della Valle C, Levine B. Are Postoperative Hip Precautions Necessary After a Total Hip Arthroplasty via the Posterior Approach? Preliminary Results of A Prospective Randomized Trial. AAOS Annual Meeting 2019.
9. Bohl DD, Li J, Calkins T, Darrith B, Edmiston TA, Nam D, **Gerlinger TL.** Levine B,R Della Valle CJ. Physical Therapy on Postoperative Day 0 Following Total Knee Arthroplasty: A Randomized Controlled Trial of 394 patients. AAHKS Annual Meeting 2018.
10. Hannon CP, Calkins TE, Li J, Culvern C, Darrith B, Nam D, **Gerlinger TL,** Della Valle CJ. Large Opioid Prescriptions are Unnecessary after Total Joint Arthroplasty : A Randomized Controlled Trial. AAHKS Annual Meeting 2018. Rand Young Investigator Award Winner.
11. **Gerlinger T.** Berend K, Berger R, Lonner J. ICL 302: Partial Knee Arthroplasty: State of the Art. AAOS Annual Meeting, New Orleans, 2018.
12. Campbell K, Louie P, Bohl D, Edmiston T, Levine B, **Gerlinger T.** A Novel Automated Text-Messaging Bot is Effective in Patients Undergoing Total Joint Arthroplasty: A Prospective Randomized Control Trial. AAOS Annual Meeting, New Orleans, 2018.
13. Courtney P, Edmiston T, Pfleiderer C, Levine B, **Gerlinger T.** Is There Any Role for Direct Repair of Extensor Mechanism Disruption Following Total Knee Arthroplasty? AAOS Annual Meeting, New Orleans, 2018.
14. **Gerlinger T.** Outpatient Arthroplasty - How to get Home the Same Day. Arab Health 2018, Dubai
15. **Gerlinger T.** Outpatient Arthroplasty - What's New in Arthroplasty: Early Therapy. Pain Pathways, and Rapid Recovery. Arab Health 2018, Dubai
16. **Gerlinger T.** Preparing to Take Care of Civilians. Society of Military Orthopaedic Surgeons Annual Meeting, December 2017.
17. **Gerlinger T.** Emergency Management of Limb Trauma - Lessons Learned from Recent Disasters. San Antonio Orthopaedic Society Meeting, February 2013.
18. **Gerlinger T.** Emergency Management of Limb Trauma - Lessons Learned from Recent Disasters. Australian Orthopaedic Association Annual Meeting, 2012.
19. **Gerlinger T.** Trauma Systems and Training: US Military Perspective. Australian Orthopaedic Association Annual Meeting, 2012.
20. **Gerlinger T.** American Disaster Training. Society of Military Orthopaedic Surgeons, Australian Orthopaedic Association Annual Meeting. 2012.

21. **Gerlinger.** Berrey, Co vey, Hayda , Provencher. Disaster Response Orthopaedics: Pearls from Frontline. Symposium Moderator, American Academy of Orthopaedic Surgeons Annual Meeting, 2012.
22. 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.
23. **Gerlinger T.** Multinational Trauma Team. Norwegian Army Medical Conference, Camp Settermoen, Norway , 2011.
24. **Gerlinger T.** Care of the Wounded Warrior; From the First Responder to Recovery. Norwegian Army Medical Conference, Camp Settermoen, Norway, 2011.
25. Orthopaedic Combat Trauma: IO Years at War. Grand Rounds, Northwestern University Orthopaedic Department, Chicago, June 2011
26. Masini, **Gerlinger**, Hsu, Ritehour. Wenke: Acute Compartment Syndrome of the Thigh in Combat Casualties. Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
27. Glebus, **Gerlinger**, Hsu: Deployability Following Lower Extremity Total Joint Replacement in Active Duty Military Personnel. Society of Military Orthopaedic Surgeons Annual Meeting, 2010.
28. 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.
29. Krueger, Munay, 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.
30. Masini, Stinner, Watennan , **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.
31. 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.
32. 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.
33. **Gerlinger.** Orthopaedic War Trauma Update and Minimally Invasive Total Joint Arthroplasty in a Managed Care Setting. Lany S. Matthews Lectureship, University of Michigan, May 2009.
34. **Gerlinger**, Robbins: Can Carbon Fiber Rods for the Hoffman II External Fixator be Re-Used? Society of Military Orthopaedic Surgeons Annual Meeting, 2007.
35. Doman , **Gerlinger:** Minimally Invasive Total Joint Arthroplasty in a Managed Care Setting. Society of Military Orthopaedic Surgeons Annual Meeting, 2007.
36. Coates, **Gerlinger:** Outcomes of Closed Femur Fractures Treated with External Fixation in the Combat Zone. Society of Military Orthopaedic Surgeons Annual Meeting, 2006.

37. **Gerlinger.** Frontline Orthopaedics. Grand Rounds, Northwestern University Orthopaedic Department. Chicago, June 2006.
38. **Gerlinger, Berger:** Hybrid Total Knee Arthroplasty: 10 years Radiographic and Clinical F/U. Society of Military Orthopaedic Surgeons Annual Meeting, 2005.
39. **Gerlinger.** Frontline Orthopaedics. Grand Rounds, University of Chicago Orthopaedic Department, April 2004.
40. **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.
41. 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. Tracey RW, Akram F, Della Valle CJ, Sporer SM, Berger RA, **Gerlinger TL.** Clinical Outcomes in Isolated Tibial Revision With Cruciate Retaining Total Knee Arthroplasty. *J Arthroplasty.* 2021 Jul;36(7):2536-2540. doi: 10.1016/j.arth.2021.02.013. Epub 2021 Feb 9. PMID: 33642111
2. Fuller BC, Lonner JH, Berend KR, Berger RA, **Gerlinger TL.** Partial Knee Arthroplasty: The State of the Art. *Instr Course Lect.* 2021;70:235-246. PMID: 33438913
3. Cregar WM, Goodloe JB, Lu Y, **Gerlinger TL.** Increased Operative Time Impacts Rates of Short-Term Complications After Unicompartmental Knee Arthroplasty. *J Arthroplasty.* 2020 Aug 19:S0883-5403(20)30918-9. doi: 10.1016/j.arth.2020.08.032. Online ahead of print. PMID: 32921548
4. Cregar WM, KJazi ZM, Lu Y, Forsythe B, **Gerlinger TL.** Lysis of Adhesion for Arthrofibrosis After Total Knee Arthroplasty Is Associated With Increased Risk of Subsequent Revision Total Knee Arthroplasty. *J Arthroplasty.* 2020 Jul 13:S0883-5403(20)30774-9. doi: 10.1016/j.arth.2020.07.018. PMID: 32741708
5. Heckmann ND, Nahhas CR, Yang J, Della Valle CJ, Yi PH, Culvern CN, **Gerlinger TL,** Nam D. Saline lavage after a "dry tap". *Bone Joint J.* 2020 Jun;102-B(6_Supple_A):138-144. doi: 10.1302/0301-620X.102B6.BJJ-2019-1679.R1. PMID: 32475286
6. Nahhas CR, Hannon CP, Yang J, **Gerlinger TL.** Nam D, Della Valle CJ. Education Increases Disposal of Unused Opioids After Total Joint Arthroplasty: A Cluster-Randomized Controlled Trial. *J Bone Joint Surg Am.* 2020 Apr 2. doi: 10.2106/JBJS.19.01166. Online ahead of print. PMID: 32251139
7. Lu Y, Cregar WM, Goodloe JB, Khazi Z, Forsythe B, **Gerlinger TL.** General Anesthesia Leads to Increased Adverse Events Compared With Spinal Anesthesia in Patients Undergoing Unicompartmental Knee Arthroplasty. *J Arthroplasty.* 2020 Aug;35(8):2002-2008. doi: 10.1016/j.arth.2020.03.012. PMID: 32247674
8. Tetreault MW, Akram F, Li J, Nam D, **Gerlinger TL,** Della Valle CJ, Levine BR. Are Postoperative Hip Precautions Necessary After Primary Total Hip Arthroplasty Using a Posterior Approach? Preliminary Results of a Prospective Randomized Trial. *J Arthroplasty.* 2020 Jun;35(6S):S246-S251. doi: 10.1016/j.arth.2020.02.019. Epub 2020 Feb 15. PMID: 32146109

9. Calkins TE, Hannon CP, Nam D, **Gerlinger TL**, Sporer SM, Della Valle CJ. Who is prescribing opioids preoperatively? A survey of new patients presenting to tertiary care adult reconstruction clinics. *J Am Acad Orthop Surg*. 2020 Apr 1;28(7):301-307. doi: 10.5435/JAAOS-D-19-00602. PMID: 31977344
10. Frisch NB, Courtney PM, Darrith B, Copeland LA, **Gerlinger TL**. Veterans undergoing total hip and knee arthroplasty: 30-day outcomes as compared to the general population. *J Am Acad Orthop Surg*. 2020 Nov 15;28(22):923-929. doi: 10.5435/JAAOS-D-19-00775. PMID: 32004175
11. Sutter EG, Akram F, Miller A, Paprosky WG, Berger RA, **Gerlinger TL**. Outcomes of Isolated Head and Liner Exchange Using Large Femoral Heads and Modern Liners in Revision Total Hip Arthroplasty. *J Arthroplasty*. 2020 Apr;35(4):1064-1068. doi: 10.1016/j.arth.2019.11.015. Epub 2019 Nov 20. PMID: 31812483
12. Calkins TE, Culvern C, Nam D, **Gerlinger TL**, Levine BR, Sporer SM, Della Valle CJ. Dilute Betadine Lavage Reduces the Risk of Acute Postoperative Periprosthetic Joint Infection in Aseptic Revision Total Knee and Hip Arthroplasty: A Randomized Controlled Trial. *J Arthroplasty*. 2020 Feb;35(2):538-543.e1. doi: 10.1016/j.arth.2019.09.011. Epub 2019 Sep 12. PMID: 31575448
13. Nahhas CR, Hannon CP, Yang J, **Gerlinger TL**, Nam D, Della Valle CJ. Education Increases Disposal of Unused Opioids After Total Joint Arthroplasty: A Cluster-Randomized Controlled Trial. *J Bone Joint Surg Am*. 2020 Apr 2. doi: 10.2106/JBJS.19.01166. [Epub ahead of print] PMID: 32251139
14. Nahhas CR, Fuller BC, Hannon CP, **Gerlinger TL**, Nam D, Della Valle CJ. Which Nonsurgical Treatments Do Patients Believe Are Most Effective for Hip and Knee Arthritis? *J Am Acad Orthop Surg Glob Res Rev*. 2020 May;4(5):e2000046. doi: 10.5435/JAOSGlobal-D-20-00046. PMID: 33970578
15. Calkins TE, Culvern C, Nahhas CR, Della Valle CJ, **Gerlinger TL**, Levine BR, Nam D. External Validity of a New Prediction Model for Patient Satisfaction After Total Knee Arthroplasty. *J Arthroplasty*. 2019 Apr 13. pii: S0883-5403(19)30353-5. doi: 10.1016/j.art h.2019.04.021. [Epub ahead of print] PMID: 31056443
16. Manning BT, Bohl DD, Redondo ML, **Gerlinger TL**, Sporer SM, Paprosky WG, Levine BR. Midlevel Providers in Orthopaedic Surgery: The Patient's Perspective. *Iowa Orthop J*. 2019;39(1):211-216.
17. Sershon RA, Li J, Calkins TE, Courtney PM, Nam D, **Gerlinger TL**, Sporer SM, Levine BR. Prospective Validation of a Demographically Based Primary Total Knee Arthroplasty Size Calculator. *J Arthroplasty*. 2019 Mar 7. pii: S0883-5403(19)30204-9. doi: 10.1016/j.arth.2019.02.048. [Epub ahead of print] PMID: 30930159
18. Hannon CP, Calkins TE, Li J, Culvern C, Darrith B, Nam D, **Gerlinger TL**, Buvanendran A, Della Valle CJ. Large Opioid Prescriptions Are Unnecessary After Total Joint Arthroplasty: A Randomized Controlled Trial. *J Arthroplasty*. 2019 Feb 4. pii: S0883-5403(19)30110-X. doi: 10.1016/j.arth.2019.01.065. [Epub ahead of print] PMID: 30799266
19. Bohl DD, Jefferson Li, Calkins TE, Darrith B, Edmiston TA, Nam D, **Gerlinger TL**, Levine BR, Della Valle CJ. Physical Therapy on Postoperative Day Zero Following Total Knee Arthroplasty: A Randomized Controlled Trial of 394 Patients. *J Arthroplasty*. 2019 Feb 13. pii: S0883-5403(19)30145-7. doi: 10.1016/j.arth.2019.02.010. [Epub ahead of print] PMID: 30827716

20. Campbell KJ, Louie PK, Bohl DD, Edmiston T, Mikhail C, Li J, Khorsand DA, Levine BR, **Gerlinger TL**. A Novel, Automated Text-Messaging System Is Effective in Patients Undergoing Total Joint Arthroplasty. *J Bone Joint Surg Am*. 2019 Jan 16;101(2):145-151. doi: 10.2106/JBJS.17.01505. PMID: 30653044
21. Davis JA, Bohl DD, **Gerlinger TL**. Brake response time after modern total knee arthroplasty: How soon can patients drive? *Knee*. 2018 Aug 11. pii: S0968-0160(18)30519-2. doi: 10.1016/j.knee.2018.07.002. PMID: 30108010
22. Campbell KJ, Louie PK, Khorsand DA, Frisch NB, **Gerlinger TL**, Levine BR. Innovation and Entrepreneurship: Perspectives From Orthopedic Surgery. *Orthopedics*. 2018 May 1;41(3):135-140. doi: 10.3928/01477447-20180409-08. Epub 2018 Apr 16. PMID: 29658978
23. Courtney PM, Edmiston TA, Pflederer CT, Levine BR. **Gerlinger TL**. Is There Any Role for Direct Repair of Extensor Mechanism Disruption Following Total Knee Arthroplasty? *J Arthroplasty*. 2018 Jul;33(7S):S244-S248. doi: 10.1016/j.arth.2017.11.045. Epub 2017 Dec 2. PMID: 29248484
24. Kayupov E, Okroj K, Young AC, Morie M, Luchetti TJ, Zisman G, Buvanendran A, **Gerlinger TL**, Della Valle CJ. Continuous Adductor Canal Blocks Provide Superior Ambulation and Pain Control Compared to Epidural Analgesia for Primary Knee Arthroplasty: A Randomized, Controlled Trial. *J Arthroplasty* 2018 Apr;33(4):1040-1044.e1. doi: 10.1016/j.arth.2017.11.013. Epub 2017 Nov 13. PMID: 29233569
25. Kayupov E, Fillingham YA, Okroj K, Plummer DR, Morie M, **Gerlinger TL**, Della Valle CJ. Oral and Intravenous Tranexamic Acid Are Equivalent at Reducing Blood Loss Following Total Hip Arthroplasty: A Randomized Controlled Trial. *J Bone Joint Surg Am*. 2017 Mar 1;99(5):373-378. doi: 10.2106/JBJS.16.00188. PMID: 28244907
26. Fillingham YA, Kayupov E, Plummer DR, Morie 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 Sep;31(9 Suppl):26-30. doi: 10.1016/j.arth.2016.02.081. PMID: 27113948
27. McGrory B, Weber K, Lynott JA, Richmond JC, Davis CM 3rd, Yates A Jr, Karnath 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
28. McDowell M, Park A, **Gerlinger TL**. The Painful Total Knee Arthroplasty. *Orthop Clin North Am*. 2016 Apr;47(2):317-26. PMID: 26772940
29. 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
30. 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

31. 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
32. 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/IAAOS-22-01-57.
33. 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]
34. Masini, **Gerlinger**, Hsu, Ritenour, Wenke. Acute Compartment Syndrome of the Thigh in Combat Casualties. *J Surg Orthop Adv*.2013 Spring;22(1):42-9.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. Needham J, Bums T, **Gerlinger TL**: Catastrophic Failure of Ceramic-Polyethylene Bearing Total Hip Arthroplasty. *J Arthroplasty*. 2008 Jun;23(4):627-30.
43. Carmouche JF, 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.
44. 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.
45. **Gerlinger T**, Ghate R, Paprosky W: Posterior Approach: Back Door In. *Orthopedics*. 2005 Sep;28(9):931-933.
46. 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.

47. 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.
48. 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.
49. 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. *JR Army Med Corps*. 2003 Mar;149(1):47-52.
50. 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;I(3):215-224.
51. Connolly B, Turner C, DeVine J. **Gerlinger T**: Jefferson fracture resulting in Collet-Sicard syndrome. *Spine*. 2000 Feb I;25(3):395-398.
52. Connolly B, Johnstone F, **Gerlinger T**, Putter E: Methicillin-resistant Staphylococcus aureus in a finger felon. *Hand Surg [Am]*. 2000 Jan;25(1):173-175.
53. 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.
54. **Gerlinger T**, Doukas W, Munter F: A 26-year-old man with shoulder pain. *Am J Orthop*. 1998 Feb;27(2): 146-150.

BOOKS / CHAPTERS

1. **Gerlinger TL**, Ed. Unicompartmental Knee Arthroplasty: Indications, Surgical Techniques and Complications. Springer International Publishing. 2020. ISBN 9783030274115
2. Born C, Calfee R, Hayda R, **Gerlinger T**, Kadnans W, Ginaitt P: Chapter 3 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. 2020, pp 394-416.
3. **Gerlinger TL**, MD, Ed, Parvizi J, MD, FRCS. Instructional Course Lectures, Volume 66. American Academy of Orthopaedic Surgeons. ISBN 9781625525659
4. Throckmorton T, MD, Ed, **Gerlinger TL**, MD, Asst Ed. Instructional Course Lectures, Volume 65. American Academy of Orthopaedic Surgeons. ISBN 9781625524355
5. 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.
6. **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

7. 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.
8. Pallis M, **Gerlinger T**: Echelons of Care: In: Combat Orthopedic Surgery: Lessons Learned in Iraq and Afghanistan. Owens BO, Belmont P J. eds. SLACK Incorporated, Thorofare, NJ, 2011. pp 23-30.
9. **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. Villalba J, MacDonald J, **Gerlinger T**, Chow J, Swank M, Geller J, Cooper H, Torner P, Miles J, Kamali A. Interim Results Of An Ongoing, Prospective, Multicenter Study Of The JOURNEY™ JI Cruciate-Retaining Total Knee System. Poster EFORT 2020.
2. Huang B, MacDonald J, Schwarzkopf R, **Gerlinger T**, Swank M, Kamali A, Schinsky M. Assessing The Early Clinical Performance Of A Bi-Cruciate Retaining Total Knee Implant: A Prospective Multicenter Study Of 174 Primary Total Knee Arthroplasties. Poster EFORT 2020.
3. Which Non-Operative Treatments Do Patients Feel Are Most Effective for Hip and Knee Arthritis? Nahhas C, Fuller B, Hannon C, **Gerlinger T**, Nam D, Della Valle, C. Poster AAHKS Annual Meeting 2019.
4. Are Postoperative Hip Precautions Necessary After Primary Total Hip Arthroplasty Using a Posterior Approach? Preliminary Results of a Prospective Randomized Trial. Tetreault M, Li J, Edmiston T, Nam D, **Gerlinger T**, Della Valle C, Levine B. AAHKS Annual Meeting 2019.
5. Calkins TE, Culvern C, Nam D, Levine B, Sporer S, **Gerlinger TL**, Della Valle CJ. Dilute Betadine Lavage Reduces the Risk of Acute Postoperative Infection in Aseptic Revision Total Knee or Hip Arthroplasty: Interim Analysis of a Randomized Controlled Trial. Poster Presentation AAOS Annual Meeting 2019.
6. Bohl DD, Jefferson Li, Calkins TE, Darrith B, Edmiston TA, Nam D, **Gerlinger TL**, Levine BR, Della Valle CJ. Physical Therapy on Postoperative Day 0 Following Total Knee Arthroplasty: A Randomized Controlled Trial of 394 patients. AAOS Annual Meeting 2019.
7. Frisch NB, Courtney PM, Aiello P, Copeland LA, **Gerlinger TL**. Veterans undergoing Total Hip and Knee Arthroplasty: Analysis of Demographics and Outcomes. Poster Presentation AAHKS Annual Meeting 2018.
8. Calkins TE, Culvern C, Nam D, Levine B, Sporer S, **Gerlinger TL**, Della Valle CJ. Dilute Betadine Lavage Reduces the Risk of Acute Postoperative Infection in Aseptic Revision Total Knee or Hip Arthroplasty: A Randomized Controlled Trial. E-Poster Presentation AAHKS Annual Meeting 2018.
9. Courtney P, Edmiston T, Pflederer C, Levine B, **Gerlinger T**. Is There Any Role for Direct Repair of Extensor Mechanism Disruption Following Total Knee Arthroplasty? Poster Presentation AAHKS Annual Meeting 2017.

10. Campbell K, Louie P, Bohl D, Edmiston T, Levine B, **Gerlinger T**. A Novel Automated Text-Messaging Bot is Effective in Patients Undergoing Total Joint Arthroplasty: A Prospective Randomized Control Trial. Poster Presentation AAHKS Annual Meeting 2017.
11. Tennct 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 .
12. Krueger , Murray, Mende, Guymon, **Gerlinger**: Bacterial Contamination of Surgical Scrubs; A Nosocomial Infection Risk? Poster Presentatio n, Infectious Disease Society Annual Meeting, 2010 , Orthopaedic Research Society Annual Meeting, 2010
13. Potter , Forsberg, Burns, Hsu, Elster, Brown, Davis , **Gerlinger**, Tadaki: Heterotopic Ossificatio n, Following Combat-Related Trauma. Scientific Exhibit, American Academy of Orthopaedic Surgeons Annual Meeting, March 2010.
14. Tucker, **Gerlinger**, Ficke. Hayda: Traumatic Amputations Due to Motor Vehicle Collisions with Guardrails: A Case Series and Review of the Literature. Poster Presentatio n, Society of Military Orthopaedic Surgeons Annual Meeting 2007
15. **Gerlinger T**. The Combat Experience of an Army Forward Surgical Team in Operation Enduring Freedom. Poster presentation, Orthopaedic Trauma Association , Annual Meeting, 2002.
16. **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.
17. **Gerlinger**, King: Posterior Spinal Fusion Through a Heparin Window for Scoliosis Associated with Congenital Heart Disease. Poster Presentation, I 13th Annual Meeting of the American Orthopaedic Association, Hot Springs , Virginia , 2000.