

Joseph F. Alderete Jr MD FAOA
Colonel, Medical Corps
United States Army

Current Position

Surgical Director, Center for the Intrepid Amputee/Limb Salvage Program
Orthopaedic Oncology, Trauma, and Adult Reconstructive Surgeon
Assistant Professor, Baylor College of Medicine.
San Antonio Military Medical Center
Ft Sam Houston TX, 78234
2009 to present

Former Positions

Chief, Musculoskeletal Oncology 2011-2019.
Director, Musculoskeletal Oncology Tele-Health Virtual Consultation Program, 2015-2017.
Associate Program Director, Orthopaedic Surgery Residency, 2010 to 2015.
San Antonio Military Medical Center

Operation Inherent Resolve
Baghdad Iraq
Chief Surgeon, Task Force 32 MED
115th Field Hospital, 32nd Hospital Center
2020

Operation Resolute Support
Kabul Afghanistan
Deputy Commander for Clinical Services
Staff Orthopaedic Surgeon and Trauma Team Chief
3MMB (PROV)
2015-2016

Operation Enduring Freedom XII
Sharana, Afghanistan
Orthopaedic Surgeon and Clinic Director
1980th Forward Surgical Team
2012-2013

Chief of Orthopaedic Surgery Services
Reynolds Army Community Hospital
Ft Sill, Oklahoma 2006-2008

Operation Enduring Freedom VII
Jalalabad, Afghanistan
Orthopaedic Surgeon and Clinic Director
555th Forward Surgical Team
2007-2008

Education

Fellow, Orthopaedic Oncology
Department of Orthopaedic Surgery
The Mayo Clinic
2008-2009
Rochester, Minnesota

Residency, Orthopaedic Surgery
Eisenhower Army Medical Center
2002-2006
Augusta, Georgia

Internship, Orthopaedic Surgery
Eisenhower Army Medical Center
2001-2002
Augusta, Georgia

Doctor of Medicine
Pennsylvania State University College of Medicine Hershey, Pennsylvania
Student Delegate to PSU College of Medicine Admissions Committee 1997-1999
Anatomy Tutor
Army Chairperson for PSUCOM Military Medical Student Association
2001

Bachelor of Science, Chemistry and Life Sciences; Engineering Tract: Nuclear Engineering
1997
United States Military Academy at West Point West Point, New York
Dean's List 1993, 1995-1997
Leader Athlete of the Year 1996
Superintendent's Award 1993, 1995-1997
Varsity NCAA Gymnast 1993-1997

Associates in the Arts, Life Sciences
Marion Military Institute Marion, AL
Dean's List 1991-1993
Superintendent's List 1991-1993
National Dean's List 1992-1993
Who's Who Among Students in American Junior College 1993
Phi Theta Kappa
1993

Affiliations/Committee Membership

- Fellow, American Orthopaedic Association, AOA.
- Medical Board of Trustees. Education Committee. Musculoskeletal Transplant Foundation

- American Academy of Orthopaedic Surgeons
- Society of Military Orthopaedic Surgeons
- Musculoskeletal Tumor Society. Young Investigators Committee.
- Mayo Fellows Association

Professional Certifications

- License to Practice Medicine and Surgery, Michigan State Board of Medical Examiners
- License to Practice Medicine and Surgery, Georgia State Board of Medical Examiners
- License to Practice Medicine and Surgery, Minnesota State Board of Medical Examiners
- Advanced Trauma Life Support *Instructor*
- Advanced Cardiac Life Support
- Basic Life Support

Awards

2020 Order of Military Medical Merit
 2018 Fellow of the American Orthopaedic Association
 2014 Warren Kadramas Memorial Award for Outstanding Teaching Faculty
 2014 AMEDD Center and School Distinguished Graduation Speaker. Basic Officer Leadership Course
 2013 SAMMC Surgical Staff Teaching Award
 2012 Transitional Intern Teacher of the Year Award

Text Chapters

Alderete JF. *Amputations About the Shoulder: Surgical Considerations*. Smith ed et al. Atlas of Amputations and Limb Deficiencies. 4th Ed. AAOS. 2016

Alderete JF, Watson G, Elias G. Prehospital Casualty Care. Front Line Extremity and Orthopaedic Surgery. A Practical Guide. Bone, Lawrence B., Mamczak, Christiaan Nikolaje (Eds.) 2014

Alderete JF, Watson G, Elias G. The Complex Multiple Amputee. Front Line Extremity and Orthopaedic Surgery. A Practical Guide. Bone, Lawrence B., Mamczak, Christiaan Nikolaje (Eds.) 2014

Alderete JF, Rock MG. Implant Oncogenesis. Morrey M ed. The Knee. 1st ed. Churchill Livingstone, Philadelphia PA. 2012

Alderete JF, Rock MG. *Orthopaedic Implant Carcinogenesis*. Morrey ed. Joint Replacement Arthroplasty 4th ed. Churchill Livingstone, Philadelphia PA. 2009

Rose PS, Alderete JF, Shives T. *Primary Tumors About the Hip* Morrey ed. Joint Replacement Arthroplasty 4th ed Churchill Livingstone, Philadelphia PA. 2009

Alderete JF, Rock MG. *Metastatic Disease*. Morrey ed. Joint Replacement Arthroplasty 4th ed. Churchill Livingstone, Philadelphia PA. 2009

Publications

Methylene blue enhances PEG-fusion repair of completely severed rat sciatic nerves. Ghergherehchi CL, Shores JT, Alderete J, Weitzel EK, Bittner GD. 2021 Neural Regeneration Research. In Press

Carroll JJ, Kelly SP, Foster JN, Mathis DA, Alderete JF. Corrigendum to "Bilateral Proximal Tibia Stress Fractures through Persistent Physes". Case Rep Orthop. 2019 Jul 22;2019:2813130. doi: 10.1155/2019/2813130. eCollection 2019. PubMed [citation] PMID: 31428493, PMCID: PMC6679896

Carroll JJ, Kelly SP, Foster JN, Mathis DA, Alderete JF. Bilateral Proximal Tibia Stress Fractures through Persistent Physes. Case Rep Orthop. 2018 Dec 6;2018:8181547. doi: 10.1155/2018/8181547. eCollection 2018. Erratum in: Case Rep Orthop. 2019 Jul 22;2019:2813130. PubMed [citation] PMID: 30631624, PMCID: PMC6304870

Cancio JM, Ikeda AJ, Barnicott SL, Childers WL, Alderete JF, Goff BJ. Upper Extremity Amputation and Prosthetics Care Across the Active Duty Military and Veteran Populations. Phys Med Rehabil Clin N Am. 2019 Feb;30(1):73-87. doi: 10.1016/j.pmr.2018.08.011. Epub 2018 Oct 31. Review. PubMed [citation] PMID: 30470430

Sarah M. Greising Ph.D.^{1*}, Thomas J. Walters Ph.D.¹, Joseph C. Wenke Ph.D.¹, David A. Nelson Ph.D.², LTC Joseph F. Alderete M.D.³, & CDR Brendon G. Drew D.O.⁴ Impact of Limb Temperature on Safe Tour-niquet Use. Journal of Special Operations Medicine. 2018

Gavin L Mills MD, David J Tennent MD, Joseph F Alderete MD, Anthony E Johnson MD. Martial Arts-Based High Intensity Interval Training in the Rehabilitation of Combat Amputees. Army Medical Department Journal. July 2017.

Lawson BK, Goldstein HJ, Hurley RK, Hutton RL, Anderson ER 3rd, Alderete JF. Pelvic Ewing sarcoma: a radiologic and histopathologic correlation. Spine J. 2016 Feb;16(2):e1-3.

Steven W Thorpe MD, Joseph F Alderete MD, Mark A Goodman MD, Richard L McGough MD. The Role of the Orthopaedic Oncologist in Chest Wall Resections and Reconstructions. Operative Techniques in Orthopaedics. March 2014.

Thomas Mitchell, MD, Joseph Alderete, MD, Bryan Helsel, MD. Manubriosternal arthrodesis: A novel surgical approach for refractory osteoarthritis. The Journal of Thoracic and Cardiovascular Surgery, 2014.

Lindholm DA¹, Murray CK, Akers KS, O'Brien SD, Alderete JF, Vento TJ. Novel Pseudomonas fluorescens septic sacroiliitis in a healthy soldier. Mil Med. 2013 Aug;178(8):e963-6. doi: 10.7205/MILMED-D-13-00114.

Reiter M, O'Brien SD, Bui-Mansfield LT, Alderete J. Greater trochanteric fracture with occult intertrochanteric extension. Emerg Radiol. 2013 Oct;20(5):469-72. doi: 10.1007/s10140-013-1117-9. Epub 2013 Mar 12.

Duran-Stanton AM, Alderete J. Right leg pain after a fall in a patient with a prosthesis. JAAPA. 2012 May;25(5):71-2. No abstract available.

PMID: 22712156 [PubMed - indexed for MEDLINE]

Gangrenous testicular torsion, presenting as refusal to bear weight, in a fourteen-month-old child: a case report. Napierala MA, Rush J, Possley D, Young J, Ritchie E, Alderete J.

J Bone Joint Surg Am. 2011 Dec 7;93(23):e1391-3. doi: 10.2106/JBJS.J.01905. No abstract available.

Joseph Alderete MD, Paul Huddleston MD, Bahtiyar Demiralp MD, Adam Sassoon MD, Michael Yaszemski MD “Unique Reconstructive Challenges in Combat Injuries: Applications for Regenerative Medicine”

Regenerative Medicine 2010

Novais E, Demiralp B, Alderete J, Weber K, Rose P, Sim F. High grade soft tissue sarcomas of the extremities: does surgical margin affect survival? *Clinical Orthopaedics and Related Research JUL 2010*

Alderete J, Dozois E, Rose P, Privitera A, Sim F. Oncologic and functional feasibility of high sacrectomy for recurrent rectal cancer. *Journal of Surgical Oncology NOV 2010*

Alderete J, Dozois E, Novais E, Demiralp B, Rose P, Rock M, Shives T, Sim F. Neurogenic tumors of the pelvis: oncologic and functional outcome for a standardized team approach. *Clinical Orthopaedics and Related Research JUL 2010*

Demiralp B., Alderete J., Kose O., Ozcan A., Cicek I., Basbozkurt M. “Non-contiguous osteolipoma of the thigh” *Clinical Case Reports Online 2009*

Demiralp B, Alderete J, Folpe A, Maran, A, Okuno S, Shogren K, Yaszemski M. Adult Osteosarcoma: Experimental and Clinical Approach. *Mayo Clinic Proceedings 2009.*

Alderete, Joseph MD, Busch, Michael MD. Coaxial Posterior Ankle Arthroscopic Portals for Excision of the Symptomatic. Os Trigonum: A Case Series. *Scottish Rite Children's Medical Center. Atlanta, GA. FAI 2009*

Alderete JF, Oshea K "Osteochondral Transfer in Patients with Osteochondral Lesions of the Talus Failing Previous Arthroscopic Treatment." *Manuscript in Progress for Journal Submission*

Morgan JS, Oshea K, Alderete JF, Wispert C,. “Stability After Ankle Reconstruction and Cyclic Loading; A Comparison of Biotenodesis Screw Versus Tunnel Fixation.” *Manuscript in Progress for Journal Submission*

Research Support

PI RESTOR/SAMMC: Multimodal approach to improve functional recovery following acute and delayed peripheral nerve injury repair. Awarded as AFIRM III CDMRP. JUL 2020.

Co-I: RESTOR/SAMMC:

FWH20180099A, (Research) “Enhancing the early regeneration after peripheral nerve injury in a Yucatan miniature swine (sus scrofa) model of forelimb nerve injury”, PI: Col Erik Weitzel/ST [Amend#3 to Research Protocol [PI Letter Dated: 12 Dec 19] [Received: 20 Dec 19]

Co-PI Impact of Limb Temperature on Safe Tourniquet Use. Thomas J. Walters Ph.D.¹, CDR Brendon G. Drew D.O.², David A. Nelson Ph.D.³, LTC Joseph F. Alderete M.D.⁴, Joseph C. Wenke Ph.D.¹, & Sarah

M. Greising Ph.D.^{1*} Submitted to Journal of Special Operations Medicine. Data collection in process. This work was supported by the Combat Casualty Care Research Program, United States Army Medical Research and Materiel Command (SMG).

Co-PI **Morselized Muscle Implantation After Volumetric Muscle Traumatic Loss**. Nicole Sgromolo MD, Joseph F Alderete MD, Jessica Rivera MD. IRB Approval. Supported by the Combat Casualty Care Research Program, United States Army Medical Research and Materiel Command (SMG).

Scientific Presentations

Ceceva ND, Alderete JF, Lybeck DO, Oettel D, Bernot J, Schultz, Bylerly D, Bernard SA. *Hemipelvectomy for the Radiologist: Indications, Planning, and Imaging*. International Skeletal Society Annual Meeting. Vancouver BC 11-13 SEP 2019.

Osborn PM, Cognetti DJ, Cancio JM, Childers WL, Alderete JF. *Keeping the torch lit at the US Military's only Level I Trauma Center*. London Blast Injury Conference. Imperial College London, South Kensington Campus, London England 11-12 July 2019

Cognetti DJ, Cancio JM, Childers WL, Osborn PM, Alderete JF. *Limb Optimization*. London Blast Injury Conference. Poster Presentation. Imperial College London, South Kensington Campus, London England 11-12 July 2019.

Sean Kelly, CPT USA. Joseph F Alderete, LTC USA. *Analysis of Patient Centric Orthopedic Oncology Care at a Single Military Treatment Facility*. 2017 SOMOS Annual Meeting. Phoenix AZ Dec 2017

Taylor Bates, 2d Lt, USAF, David Tennent, CAPT, USA, Anthony E. Johnson, COL, USA, Joseph F. Alderete, LTC, USA. *Preserving and Advancing the Military's Elite Rehabilitation Centers through Orthopaedic Oncology*. 2017 SOMOS Annual Meeting. Phoenix AZ Dec 2017

CPT Kelly Sean MD. LTC Alderete JF MD. *Wide Local Excision in Pelvic and Metastatic Ewing Sarcoma*. Presented at the 2016 SOMOS Annual meeting. Squaw Valley CA. DEC 2016

Capt Tierney A Shannon, MD*, CPT Sean Kelly, MD*, and LTC Joseph Alderete, MD* *Carcinoma Mimicking Sarcoma: A Case of Metastatic Myoepithelial Carcinoma*. Presented at the 2016 SOMOS Annual meeting. Squaw Valley CA. DEC 2016.

Alderete JF. *Elite Rehabilitation in Orthopaedic Oncology and Complex Rehabilitation: The Next Intrepid Step*. Ivins Tumor Society Meeting. Philadelphia PA 2016

Hyatt B, Possley D, Hassan T, Obrien S, Alderete JF. *Femoral Head Anteversion Relative to the Linea Aspera: Axial CT for Orientation of Endoprosthetic Replacement*. American Academy of Orthopaedic Surgeons. Las Vegas NV 2015 and Society of Military Orthopaedic Surgeons Scottsdale AZ 2014.

Alderete JF, Johnson AE, Viellette C, O'Connor M. *Collective Intelligence in Orthopaedic Oncology: Building the Team*. Musculoskeletal Tumor Society Annual Meeting. San Francisco CA. 2013.

Alderete J, Chao E, Rose P, Rock M, Shives T, Sim F. Titanium Long Bone Segmental Defect Replacement: Initial Experience and 30 Year Follow Up. Presented at the 2010 Ivins Annual meeting, the 2009 Minnesota Orthopaedic Society Annual Meeting and 2009 SOMOS Honolulu HI

Novais E, Demiralp B, Alderete J, Weber K, Rose P, Sim F. High grade soft tissue sarcomas of the extremities: does surgical margin affect survival? Presented at 2009 MSTs/ISOLS meeting, Boston MA and 2009 SOMOS Honolulu HI

Alderete J, Dozois E, Novais E, Demiralp B, Rose P, Rock M, Shives T, Sim F. Neurogenic tumors of the pelvis: oncologic and functional outcome for a standardized team approach. Presented at 2009 MSTs/ISOLS meeting, Boston MA and 2009 SOMOS Honolulu HI

Alderete J, Dozois E, Rose P, Privitera A, Sim F. Oncologic and functional feasibility of high sacrectomy for recurrent rectal cancer. Presented at 2009 SOMOS Honolulu HI

Alderete J, Rose P, Yaszemski M, Currier B, Dekutoski M, Huddleston P, Nassr A, Shives T, Sim F. Classification of Spinopelvic Resections. Presented at the Minnesota Orthopaedic Society Annual Meeting May 8 2009

Alderete J, Acheson E, Reyes A. The 555th Forward Surgical Team: The Impact of the Orthopaedic Surgeon on Battlefield Trauma and Local National Surgical Care: Jalalabad Afghanistan 2007-2008. Presented at the Minnesota Orthopaedic Society Annual Meeting. May 8 2009

Rose P, Dekutoski M, Sems A, Alderete J, Yaszemski M, Shives T, Sim F. Percutaneous transsacral screw fixation and sacroplasty for treatment of pathologic sacral fractures. Presented at the Minnesota Orthopaedic Society Annual Meeting May 8 2009

Alderete, Joseph MD, Volgas, David MD The "2nd Hit" Phenomenon. Does The Type of Surgical Intervention Make a Difference. The University of Alabama at Birmingham, Birmingham, AL. 2005. Presented at Eisenhower Army Medical Center Resident Annual Research Competition 2006

Alderete JF, Oshea K, Eclavea A. The Clinical Outcome of Osteoarticular Transfer Using Allograft and Autograft for Osteochondral Lesions of the Talus Failing Previous Arthroscopic Surgery. Presented at Eisenhower Army Medical Center Resident Annual Research Competition 2006

Alderete JF, Oshea K, Eclavea A. The Clinical Outcome of Osteoarticular Transfer Using Allograft and Autograft for Osteochondral Lesions of the Talus Failing Previous Arthroscopic Surgery. Study performed at Eisenhower Army Medical Center. 2001-2004. Presented at 46th Annual SOMOS. Vail, Colorado 2005

Alderete JF, Oshea KA. The Role of Osteochondral Autograft Transfer (OATS) in Treating Osteochondral Lesions of the Talus. Presented at the GOS Spring Seminar " Update on Orthopaedics in Georgia." Calloway Gardens GA 2003

Alderete JF, Parrish W, Lonergan RP, Fraunhoffer EE. Natural History and Progression of Subperiosteal Chondromyxoid Fibroma: A Case Presentation. Presented at 43rd Annual SOMOS. Vail, Colorado 2001

McHale KA, Alderete JF. Surgical Approach to Abductor Release in the Treatment of Metatarsus Adductus. Presented at 42nd Annual SOMOS, San Antonio, TX. 2000

Judd AK, Alderete JF, Brooks CA, Lohrke S, Orf J, Sadowsky M. Isolation and Characterization of the NodM gene From Bradyrhizobium japonicum. Abstracts of the 98th General Meeting of the American Society for Microbiology, Miami Beach, FL. 1997.

Invited Presentations

Combat Amputee Care in the Burn Environment. 2019 San Antonio Annual Burn Symposium. US Army Institute of Surgical Research. Ft Sam Houston TX. OCT 2019

Limb Optimization in Tumor and Trauma: An Orthopaedic Oncologist's Approach to Limb Salvage and Amputee Care. Physicians Assistants in Orthopaedic Surgery (PAOS) 20th Annual Meeting. JW Marriott San Antonio Texas. 30 Aug 2019.

Musculoskeletal Infections: Evaluation and Management. Physicians Assistants in Orthopaedic Surgery (PAOS) 20th Annual Meeting. JW Marriott San Antonio Texas. 30 Aug 2019.

Introduction to the Center for the Intrepid and DOD Advanced Amputee Care. King Day Resident Graduation and Research Symposium. Atlanta GA. 14 June 2019.

Limb Optimization in Tumor and Trauma: An Orthopaedic Oncologist's Approach to Limb Salvage and Amputee Care. King Day Resident Graduation and Research Symposium. Atlanta GA. 14 June 2019.

Neuromodulation in Advanced Amputee Care: From Limb Salvage versus Amputation to Limb Optimization. A Discussion in Peripheral Nerve Surgery to Optimize Function. Orthopaedic Surgery, TIRR Rehabilitation and UT Health Physical Medicine and Rehabilitation Combined Grand Rounds. University of Texas at Houston. June 2019.

Limb Optimization in Tumor and Trauma: An Orthopaedic Oncologist's Approach to Limb Salvage and Amputee Care. 30th Annual ENMG Symposium. Provo Utah April 11 2019

Neuromodulation in Advanced Amputee Care: From Limb Salvage versus Amputation to Limb Optimization. 30th Annual ENMG Symposium. Provo Utah April 2019

Limb Optimization in Tumor and Trauma: An Orthopaedic Oncologist's Approach to Limb Salvage and Amputee Care. Joint Theater Trauma System. 28 Feb 2019.

Overview of DOD Limb Salvage Research...Improving Outcomes in Limb Salvage. RAND Blast Injury State of the Science Meeting. Washington DC, 4 Mar 2019

Combat Amputations: Initial Considerations and Future Concerns. Combat Extremity Surgery Course. San Antonio TX Nov 2018

Improving Outcomes in Limb Salvage. METRC Rehabilitation Research Meeting. Washington DC. Sep 10-11 2018

Osseointegration-An Introduction. Texas Association of Medical Technicians Annual Meeting. San Antonio Zoo Jul 2018.

Musculoskeletal Infections. Physicians Assistants in Orthopaedic Surgery Annual Meeting. Baltimore MD. August 2017.

Challenges and Advances in Musculoskeletal Sarcomas in AYAs. Texas AYA Oncology Conference. San Antonio Texas, March 2017.

Combat Extremity Surgery Course, San Antonio Faculty, *Care of the Battlefield Amputee, Compartment Syndrome Evaluation and Management, and Initial Resuscitation* 2012, 2014, 2015, and 2016.

Amputations in the Prehospital Environment for the Non-Surgeon. Life Over Limb. World Congress in Emergency Medicine. New Orleans LA. Sep 2016.

Amputations in the Prehospital Environment for the Non-Surgeon. Life Over Limb. Eagles Symposium. Dallas TX Feb 2016

Texas Orthopaedic Association Annual Meeting. *Staying Out of Trouble With Musculoskeletal Tumors*. San Antonio TX 2015.

San Antonio Burn Symposium. *Amputee Care in the Burn Environment*. San Antonio TX 2012, 2013, 2016, and 2017.

Society of Military Orthopaedic Surgeons Annual Meeting. *Tumor Session Moderator*. 2010, 2011, 2012, 2016.

AMEDD Center and School Distinguished Graduation Speaker. Basic Officer Leadership Course. 2014.

Physicians Assistant Orthopaedic Society Annual Meeting. *Staying Out of Trouble With Musculoskeletal Tumors*. San Antonio Texas. 2013.

Association of Childrens Prosthetic and Orthotic Clinics Annual Meeting. *Combat Trauma Innovations into Prosthetic Advancement*. 2010, 2011, and 2012.

Comprehensive Blast Injury Symposium. *Initial Evaluation in Blast Trauma and Blast Related Amputee Care*. Bangkok Thailand. 2012.

World Webinar in Pediatric Trauma. *Pediatric Orthopaedic Trauma: How I do it*. 2012.

Samsung Hospital Orthopaedic Grand Rounds. *Challenges and Advances in Orthopaedic Oncology*. Seoul Korea. 2011

UTHSCSA Bi-Annual Grand Rounds. 2010 to Present. Orthopaedic Oncology. San Antonio TX