



## Orthopaedic Research

2014-current

The faculty of the Department of Orthopaedic Surgery continue to be very active in both clinical and basic science research. Twenty six of our clinical faculty across six orthopaedic subspecialties have engaged in our research mission over the past three years. In addition to the clinical faculty, we have 10 full time faculty and staff positions dedicated to research (1 Professor, 3 Assistant Professors, 1 Research Scientist, 2 Research Associates, and 3 Research Coordinators) and two research fellows. Each of our 25 Residents and 8 clinical fellows are also expected to participate in research during their time as trainees at UVA.

Over the last three years, the department has secured external funding for 42 projects. These include clinical trials and basic science research. Funding agencies include federal, industry, and foundation sponsors as well as subcontracts from other universities for total revenue of over \$3.7 million.

Our faculty are equally dedicated to the dissemination of their research endeavors. They have authored or co-authored 243 publications since the beginning of 2014. These cover the full spectrum of orthopaedic subspecialties and include collaborations with faculty across UVA Grounds as well as colleagues from across the nation.

# Sponsored Research 2014-2016

Division	Principal Investigator	Start Date	End Date	Project Title	Sponsor
Adult Recon	Browne, James A	01-Mar-2016	28-Feb-2017	Comparative Effectiveness of Pulmonary Embolism Prevention after Hip and Knee Replacement (PEPPER); Balancing Safety and Efficacy	Medical University of South Carolina
		07-Jul-2016	06-Jul-2018	SWIFT Trial: Surgical Weight-loss to Improve Functional status Trajectories following Total Knee Arthroplasty	Geisinger Clinic
	Cui, Quanjun (Qunjun)	21-Feb-2006	31-Dec-2014	Triathlon PS Outcomes Study: A Prospective, Post-Market, Multi-center Study of the Outcomes of the Triathlon Posteriorly Stabilized (PS) Total Knee System	Stryker Orthopaedics
		01-Mar-2012	28-Feb-2014	Treatment of Glucocorticoid-Induced Osteonecrosis with Nano-Fullerenes	U.S. Nih Arthritis, Musculoskeletal & Skin Disease
		10-Aug-2016	09-Aug-2018	A Prospective Multi-center Data Collection to Assess the Exactech Guided and Personalized Surgery eGPS(R) in Total Knee Arthroplasty	EXACTECH
Basic	Dighe, Abhijit	01-Jul-2014	30-Jun-2016	Interaction between mesenchymal stem cells and T cells during Osteogenesis	Orthopaedic Research & Education Foundation
		Li, Xudong (Joshua)	01-Aug-2011	31-Jul-2015	Treatment of disc degeneration by nano-fullerenes
	19-Sep-2013		31-Jul-2017	Systemic Application for Injury Site Specific Delivery via Neutrophils to Treat Back Pain	U.S. Nih Arthritis, Musculoskeletal & Skin Disease
	01-Jan-2014		31-Dec-2014	Can Potent Anti-Oxidative and Anti-Inflammatory Nano-Fullerene Replace Steroids for Treatment of Disc Degeneration?	North American Spine Society

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Gait Lab	Bennett, Bradford C	01-Jun-2015	31-May-2016	Target Tibia Osteomyelitis MRI	Orthopaedic Trauma Association	
		01-Oct-2010	30-Sep-2014	Enhancing AFO Efficacy through Continuous, Non-Invasive Gait Assessment	U.S. Nsf - Directorate For Engineering	
	01-Oct-2011	28-Feb-2014	Pilot Study of Correcting Flexion Contractures of the Knee in Children with Cerebral Palsy with Dynamic Splinting	Dynasplint Systems Inc.		
	31-Oct-2012	31-Jan-2014	A Blink-based Communications (BLINC) System	Barron Associates, Inc.		
	Russell, Shawn D	01-Apr-2013	30-Nov-2015	EverWrist: A novel electronic fall monitor for seniors	Barron Associates, Inc.	
Hand	Deal, Dylan N (Nicole)	01-Jul-2013	30-Sep-2015	Modeling and Simulation of the Vertical Climber	The Charles Stark Draper Laboratory, Inc.	
		01-Sep-2015	31-Aug-2017	Adaptive and Learning Control Applied to a Powered Walker for Disabled People	Barron Associates, Inc.	
	01-Mar-2016	31-Dec-2016	Quantifying the Impact of Tibialis Anterior Volumetric Muscle Loss Injuries on Rat Gait Deficits and the Degree of Functional Recovery following Repair with Engineered Muscle Tissue	University Of Pittsburgh		
	Pediatrics	Abel, Mark F	24-Aug-2015	24-Aug-2017	A Multicenter, Prospective Randomized subject and evaluator blinded comparative study of nerve cuffs and Avance nerve graft evaluation recovery outcomes for the repair of nerve discontinuities	AxoGen Corporation
			01-Jan-2008	31-Dec-2016	Prospective Study of Scoliosis in Children with Cerebral Palsy	Children's Specialists Foundation, Inc.
		01-Sep-2012	31-Aug-2015	Bracing in Adolescent Idiopathic Scoliosis (BrAIST) Year 6	University Of Iowa	

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Spine		01-Jan-2014	31-Dec-2016	Scoliosis Surgery Outcomes Database Registry: A Prospective, Multi-Center Database Registry of the DePuy Synthes Spine Harms Study Group	Setting Scoliosis Straight Foundation
	Hassanzadeh, Hamid	13-Jul-2015	12-Jul-2019	A Phase 2b, Randomized, Double-blind, Placebo-controlled study to evaluate the safety and efficacy of staphylococcus aureus 4-antigen vaccine (SA4Ag) in adults undergoing elective posterior instrumented lumbar spinal fusion	inVentiv Health Clinical
		01-Jan-2017	31-Dec-2017	Evaluation of Gait Recovery and Energy Expenditure Following Decompression and Stabilization for Cervical Spondylotic Myelopathy	Cervical Spine Research Society
Sports	Brockmeier, Stephen F	26-Sep-2012	31-Dec-2015	Open Subpectoral and Arthroscopic Suprapectoral Biceps Tenodesis	Arthrex, Inc.
		24-May-2013	24-May-2017	BioFiber Post-Market Surveillance Study	Tornier, Inc.
		24-Sep-2013	31-Mar-2022	A Study of the Comprehensive Shoulder System with nano Humeral Component in Total Shoulder Arthroplasty	Biomet
	Diduch, David R	03-Dec-2008	31-Dec-2015	Safety & Efficacy of the Cartilage Autograft Implantation System (CAIS)	Advanced Technologies & Regenerative Medicine, LLC
		19-Jan-2012	18-Jan-2019	Post-Market, Longitudinal Data Collection Study of DeNovo NT for Articular Cartilage Defects of the Knee Phase IV	Zimmer Orthobiologics, Inc.
		23-May-2013	31-May-2018	US Prospective, Multi-center, Non-randomized, Trial to evaluate Symptom Relief in Patients with Medial Knee Osteoarthritis treated with Kine Spring Knee Implant for Load Reduction(SOAR)	Moximed, Inc.
		15-Aug-2013	15-Aug-2018	A Stratified Post Market Study of Denovo NT for Treatment of Femoral and patellar Articular Cartilage Lesions of the Knee	Zimmer Orthobiologics, Inc.

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		22-Sep-2014	30-Apr-2020	A Phase III Prospective Randomized Partially Blinded Multi Center Study to Measure the Safety and Efficacy of NOVOCART 3D Compared to Microfracture in the Treatment of Articular Cartilage Defects	Aesculap Biologics, LLC
		05-Dec-2016	04-Dec-2018	US Prospective, Multi-Center, Non-randomized, Trial to Evaluate Symptom Relief in Patients with Medial Knee Osteoarthritis Treated with the Altas Knee System for Load Reduction	Moximed, Inc.
	Gwathmey, Frank Winston (W				
		29-Jul-2015	30-Apr-2018	A Prospective, Non-randomized, Multi-Center Investigation of All-suture-based Repair of Horizontal Meniscal Tears (STITCH Study)	Ceterix Orthopaedics, Inc.
	Miller, Mark D				
		01-May-2014	01-May-2016	A Comparative Study of the Ceterix Suture Pattern vs. the FastFix 360 for Meniscus Tears	Ceterix Orthopaedics, Inc.
		10-Sep-2014	10-Nov-2015	Does Graft Impingement Matter in Tibial Tunnel Placement Utilizing an Accessory Anteromedial Portal? A Cadaveric Study	DePuy Mitek
		28-Sep-2015	27-Sep-2016	Timing of Surgery and REhabilitation to Optimize Outcome for Patients with Multiple Ligament Knee Injuries: A Multi-center Clinical Trial	University Of Pittsburgh
Trauma					
	Weiss, David B				
		01-Oct-2012	31-Aug-2015	Comparison of PO vs. IV Antibiotic Therapy for Patients with Wound Infections After Long Bone Fractures	Johns Hopkins University
		01-Apr-2013	28-Sep-2018	Outcomes following severe distal tibia, ankle and/or foot trauma: Comparison of Limb Salvages vs. Transtibial Amputation Protocol	Johns Hopkins University
		01-Apr-2013	28-Sep-2018	Assessment of Severe Extremity Wound Bioburden at the Time of Definitive Wound Closure or Coverage: Correlation with Subsequent Post-Closure Deep Wound Infection	Johns Hopkins University
		07-May-2015	29-Mar-2017	Streaming Trauma Research Evaluation with Advanced Measurement	Johns Hopkins University

Division	Principal Investigator	Start Date	End Date	Project Title	Sponsor
		11-Jul-2016	29-Mar-2017	Local Antibiotic Therapy to Reduce Infection after Operative Treatment of Fractures at High Risk of Infection: A Multicenter Randomized, Controlled Trial (VANCO)	Johns Hopkins University
		26-Sep-2016	30-Jun-2018	Biomechanical evaluation of fracture stability after intramedullary nailing of metaphyseal tibia fractures	AO North America, Inc.

# Ortho Faculty Publications 2014-2016

Title	Authors	Citation	PMID
Radiographic Appearance of Transforaminal Lumbar Interbody Fusion Performed With and Without Recombinant Human Morphogenetic Protein-2.	Stensby JD, Kaliney RW, Alford B, Shen FH, Patrie JT, Fox MG.	AJR Am J Roentgenol. 2016 Mar;206(3):588-94. doi: 10.2214/AJR.15.14503.	PMID:26901016
Intraoperative fat embolism during core decompression and bone grafting for osteonecrosis of the hip: report of 3 cases and literature review.	Schaffer JC, Adib F, Cui Q.	Am J Orthop (Belle Mead NJ). 2014 Jun;43(6):275-9. Review.	PMID:24945478
Trends in Thumb Carpometacarpal Interposition Arthroplasty in the United States, 2005-2011.	Werner BC, Bridgforth AB, Gwathmey FW, Dacus AR.	Am J Orthop (Belle Mead NJ). 2015 Aug;44(8):363-8.	PMID:26251934
An Update on Management of Syndesmosis Injury: A National US Database Study.	Carr JC 2nd, Werner BC, Yarboro SR.	Am J Orthop (Belle Mead NJ). 2016 Nov/Dec;45(7):E472-E477.	PMID:28005114
Management of the Biconcave (B2) Glenoid in Shoulder Arthroplasty: Technical Considerations.	Hendel MD, Werner BC, Camp CL, Gulotta LV, Walch G, Dines DM, Dines JS.	Am J Orthop (Belle Mead NJ). 2016 May-Jun;45(4):220-7.	PMID:27327913
Age-dependent changes cooperatively impact skeletal muscle regeneration after compartment syndrome injury.	Zhou Y, Lovell D, Bethea M, Wang Z, Christ GJ, Soker S, Criswell T.	Am J Pathol. 2014 Aug;184(8):2225-36. doi: 10.1016/j.ajpath.2014.03.018.	PMID:24909508
Arthroscopic suprapectoral and open subpectoral biceps tenodesis: a comparison of minimum 2-year clinical outcomes.	Werner BC, Evans CL, Holzgrefe RE, Tuman JM, Hart JM, Carson EW, Diduch DR, Miller MD, Brockmeier SF.	Am J Sports Med. 2014 Nov;42(11):2583-90. doi: 10.1177/0363546514547226.	PMID:25201442
Ultra-low velocity knee dislocations: patient characteristics, complications, and outcomes.	Werner BC, Gwathmey FW Jr, Higgins ST, Hart JM, Miller MD.	Am J Sports Med. 2014 Feb;42(2):358-63. doi: 10.1177/0363546513508375.	PMID:24214926
Chronic leg pain in athletes.	Burrus MT, Werner BC, Starman JS, Gwathmey FW, Carson EW, Wilder RP, Diduch DR.	Am J Sports Med. 2015 Jun;43(6):1538-47. doi: 10.1177/0363546514545859. Review.	PMID:25157051
Incidence of Manipulation Under Anesthesia or Lysis of Adhesions After Arthroscopic Knee Surgery.	Werner BC, Cancienne JM, Miller MD, Gwathmey FW.	Am J Sports Med. 2015 Jul;43(7):1656-61. doi: 10.1177/0363546515578660.	PMID:25883170

Title	Authors	Citation	PMID
Trends in long head biceps tenodesis.	Werner BC, Brockmeier SF, Gwathmey FW.	Am J Sports Med. 2015 Mar;43(3):570-8. doi: 10.1177/0363546514560155.	PMID:25497144
Femoroacetabular Impingement in Adolescent Athletes: Outcomes of Arthroscopic Management.	Byrd JW, Jones KS, Gwathmey FW.	Am J Sports Med. 2016 Aug;44(8):2106-11. doi: 10.1177/0363546516648325.	PMID:27257166
Tobacco Use Is Associated With Increased Complications After Anterior Cruciate Ligament Reconstruction.	Cancienne JM, Gwathmey FW, Miller MD, Werner BC.	Am J Sports Med. 2016 Jan;44(1):99-104. doi: 10.1177/0363546515610505.	PMID:26526974
Injuries to the Collateral Ligaments of the Metacarpophalangeal Joint of the Thumb, Including Simultaneous Combined Thumb Ulnar and Radial Collateral Ligament Injuries, in National Football League Athletes.	Werner BC, Belkin NS, Kennelly S, Weiss L, Barnes RP, Rodeo SA, Warren RF, Hotchkiss RN.	Am J Sports Med. 2017 Jan;45(1):195-200. doi: 10.1177/0363546516660979.	PMID:27566241
In Silico and In Vivo Experiments Reveal M-CSF Injections Accelerate Regeneration Following Muscle Laceration.	Martin KS, Kegelmann CD, Virgilio KM, Passipieri JA, Christ GJ, Blemker SS, Peirce SM.	Ann Biomed Eng. 2016 Oct 7. [Epub ahead of print]	PMID:27718091
Author's Reply.	Werner BC, Miller MD.	Arthroscopy. 2014 Sep;30(9):1053. doi: 10.1016/j.arthro.2014.05.017. No abstract available.	PMID:25193123
Increased incidence of postoperative stiffness after arthroscopic compared with open biceps tenodesis.	Werner BC, Pehlivan HC, Hart JM, Carson EW, Diduch DR, Miller MD, Brockmeier SF.	Arthroscopy. 2014 Sep;30(9):1075-84. doi: 10.1016/j.arthro.2014.03.024.	PMID:24856765
Intraoperative Hoffa fracture during primary ACL reconstruction: can hamstring graft and tunnel diameter be too large?	Werner BC, Miller MD.	Arthroscopy. 2014 May;30(5):645-50. doi: 10.1016/j.arthro.2014.02.009.	PMID:24642107
Tibial tunnel placement accuracy during anterior cruciate ligament reconstruction: independent femoral versus transtibial femoral tunnel drilling techniques.	Keller TC, Tompkins M, Economopoulos K, Milewski MD, Gaskin C, Brockmeier S, Hart J, Miller MD.	Arthroscopy. 2014 Sep;30(9):1116-23. doi: 10.1016/j.arthro.2014.04.004.	PMID:24907026
Arthroscopic suprapectoral and open subpectoral biceps tenodesis: a comparison of restoration of length-tension and mechanical strength between techniques.	Werner BC, Lyons ML, Evans CL, Griffin JW, Hart JM, Miller MD, Brockmeier SF.	Arthroscopy. 2015 Apr;31(4):620-7. doi: 10.1016/j.arthro.2014.10.012.	PMID:25498870



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Increased Failure Rates After Anterior Cruciate Ligament Reconstruction With Soft-Tissue Autograft-Allograft Hybrid Grafts.	Burrus MT, Werner BC, Crow AJ, Brockmeier SF, Carson EW, Miller MD, Diduch DR.	Arthroscopy. 2015 Dec;31(12):2342-51. doi: 10.1016/j.arthro.2015.06.020.	PMID:26276093
Trends in Ankle Arthroscopy and Its Use in the Management of Pathologic Conditions of the Lateral Ankle in the United States: A National Database Study.	Werner BC, Burrus MT, Park JS, Perumal V, Gwathmey FW.	Arthroscopy. 2015 Jul;31(7):1330-7. doi: 10.1016/j.arthro.2015.01.020.	PMID:25771425
Arthroscopic Management of Femoroacetabular Impingement in Adolescents.	Byrd JW, Jones KS, Gwathmey FW.	Arthroscopy. 2016 Sep;32(9):1800-6. doi: 10.1016/j.arthro.2016.02.019.	PMID:27189871
Effect of Obesity on Complication Rate After Elbow Arthroscopy in a Medicare Population.	Werner BC, Fashandi AH, Chhabra AB, Deal DN.	Arthroscopy. 2016 Mar;32(3):453-7. doi: 10.1016/j.arthro.2015.08.025.	PMID:26563649
High Altitude Is an Independent Risk Factor for Postoperative Symptomatic Venous Thromboembolism After Knee Arthroscopy: A Matched Case-Control Study of Medicare Patients.	Cancienne JM, Diduch DR, Werner BC.	Arthroscopy. 2016 Nov 18. pii: S0749-8063(16)30664-8. doi: 10.1016/j.arthro.2016.07.031. [Epub ahead of print]	PMID:27876235
Intraoperative Corticosteroid Injection at the Time of Knee Arthroscopy Is Associated With Increased Postoperative Infection Rates in a Large Medicare Population.	Cancienne JM, Gwathmey FW, Werner BC.	Arthroscopy. 2016 Jan;32(1):90-5. doi: 10.1016/j.arthro.2015.09.003.	PMID:26553960
Risk of Infection After Intra-articular Steroid Injection at the Time of Ankle Arthroscopy in a Medicare Population.	Werner BC, Cancienne JM, Burrus MT, Park JS, Perumal V, Cooper MT.	Arthroscopy. 2016 Feb;32(2):350-4. doi: 10.1016/j.arthro.2015.07.029.	PMID:26422706
Biomechanics of Degenerative Spinal Disorders.	Iorio JA, Jakoi AM, Singla A.	Asian Spine J. 2016 Apr;10(2):377-84. doi: 10.4184/asj.2016.10.2.377. Review.	PMID:27114783   PMCID:PMC4843079
Bioactive lipid coating of bone allografts directs engraftment and fate determination of bone marrow-derived cells in rat GFP chimeras.	Das A, Segar CE, Chu Y, Wang TW, Lin Y, Yang C, Du X, Ogle RC, Cui Q, Botchwey EA.	Biomaterials. 2015 Sep;64:98-107. doi: 10.1016/j.biomaterials.2015.06.019.	PMID:26125501   PMCID:PMC4551493
A review of UHMWPE wear-induced osteolysis: the role for early detection of the immune response.	Kandahari AM, Yang X, Laroche KA, Dighe AS, Pan D, Cui Q.	Bone Res. 2016 Jul 12;4:16014. doi: 10.1038/boneres.2016.14. Review.	PMID:27468360   PMCID:PMC4941197

Title	Authors	Citation	PMID
Epidermal growth factor inhibits transforming growth factor- $\beta$ -induced fibrogenic differentiation marker expression through ERK activation.	Liu X, Hubchak SC, Browne JA, Schnaper HW.	Cell Signal. 2014 Oct;26(10):2276-83. doi: 10.1016/j.cellsig.2014.05.018.	PMID:24905473   PMCID:PMC4130781
Inhibition of differentiation and function of osteoclasts by dimethyl sulfoxide (DMSO).	Yang C, Madhu V, Thomas C, Yang X, Du X, Dighe AS, Cui Q.	Cell Tissue Res. 2015 Dec;362(3):577-85. doi: 10.1007/s00441-015-2245-1.	PMID:26224539
Poly(lactic-co-glycolide) polymer constructs cross-linked with human BMP-6 and VEGF protein significantly enhance rat mandible defect repair.	Das A, Fishero BA, Christophel JJ, Li CJ, Kohli N, Lin Y, Dighe AS, Cui Q.	Cell Tissue Res. 2016 Apr;364(1):125-35. doi: 10.1007/s00441-015-2301-x.	PMID:26475719
Introduction.	Christ GJ.	Cells Tissues Organs. 2016;202(3-4):141-142. No abstract available.	PMID:27825161
The Potential of Combination Therapeutics for More Complete Repair of Volumetric Muscle Loss Injuries: The Role of Exogenous Growth Factors and/or Progenitor Cells in Implantable Skeletal Muscle Tissue Engineering Technologies.	Passipieri JA, Christ GJ.	Cells Tissues Organs. 2016;202(3-4):202-213.	PMID:27825153
Medial injury in knee dislocations: what are the common injury patterns and surgical outcomes?	Werner BC, Hadeed MM, Gwathmey FW Jr, Gaskin CM, Hart JM, Miller MD.	Clin Orthop Relat Res. 2014 Sep;472(9):2658-66. doi: 10.1007/s11999-014-3483-3.	PMID:24500780   PMCID:PMC4117899
Platelet-rich plasma in meniscal repair: does augmentation improve surgical outcomes?	Griffin JW, Hadeed MM, Werner BC, Diduch DR, Carson EW, Miller MD.	Clin Orthop Relat Res. 2015 May;473(5):1665-72. doi: 10.1007/s11999-015-4170-8.	PMID:25663423   PMCID:PMC4385345
The John Insall Award: Morbid obesity independently impacts complications, mortality, and resource use after TKA.	D'Apuzzo MR, Novicoff WM, Browne JA.	Clin Orthop Relat Res. 2015 Jan;473(1):57-63. doi: 10.1007/s11999-014-3668-9.	PMID:24818736   PMCID:PMC4390915
CORR Insights(®): The Oblique Anterolateral Approach to the Lumbar Spine Provides Access to the Lumbar Spine With Few Early Complications.	Shimer AL.	Clin Orthop Relat Res. 2016 Sep;474(9):2028-9. doi: 10.1007/s11999-016-4972-3. No abstract available.	PMID:27417851   PMCID:PMC4965396
Is Hepatitis C Infection Associated With a Higher Risk of Complications After Total Shoulder Arthroplasty?	Cancienne JM, Dempsey IJ, Holzgreffe RE, Brockmeier SF, Werner BC.	Clin Orthop Relat Res. 2016 Dec;474(12):2664-2669.	PMID:27448222   PMCID:PMC5085932

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What Change in American Shoulder and Elbow Surgeons Score Represents a Clinically Important Change After Shoulder Arthroplasty?	Werner BC, Chang B, Nguyen JT, Dines DM, Gulotta LV.	Clin Orthop Relat Res. 2016 Dec;474(12):2672-2681. Erratum in: Clin Orthop Relat Res. 2017 Jan;475(1):293.	PMID:27392769   PMCID:PMC5085930
Variability explained by strength, body composition and gait impairment in activity and participation measures for children with cerebral palsy: a multicentre study.	Oeffinger D, Gorton G, Hassani S, Sison-Williamson M, Johnson B, Whitmer M, Romness M, Kryscio D, Tylkowski C, Bagley A.	Clin Rehabil. 2014 Oct;28(10):1053-63. doi: 10.1177/0269215513511343.	PMID:25013156
Anatomy of Lamina in the Subaxial Cervical Spine with the Special Reference to Translaminar Screws: CT and Cadaveric Analysis with Screw Trajectory Simulation.	Cho W, Le JT, Shimer AL, Werner BC, Glaser JA, Shen FH.	Clin Spine Surg. 2016 Jun 20. [Epub ahead of print]	PMID:25089675
BMP Use and the Risk of Revision Surgery After Long Posterolateral Fusions in the Elderly.	Puvanesarajah V, Jain A, Cancienne JM, Stein BE, Novicoff WM, Shimer AL, Shen F, Hassanzadeh H.	Clin Spine Surg. 2016 Dec 13. [Epub ahead of print]	PMID:27977440
Intraoperative Neuromonitoring in Pediatric and Adult Spine Deformity Surgery.	Strike SA, Hassanzadeh H, Jain A, Kebaish KM, Njoku DB, Becker D, Ain MC, Sponseller PD.	Clin Spine Surg. 2016 May 27. [Epub ahead of print]	PMID:27231831
Medical Management of Osteoporosis for Elective Spine Surgery.	Hassanzadeh H, Puvanesarajah V, Dalkin AC.	Clin Spine Surg. 2016 May;29(4):134-40. doi: 10.1097/BSD.0000000000000376. Review.	PMID:27100945
Traumatic Sports-Related Cervical Spine Injuries.	Puvanesarajah V, Qureshi R, Cancienne JM, Hassanzadeh H.	Clin Spine Surg. 2016 Sep 16. [Epub ahead of print]	PMID:27642819
Foreword. Clinics in Sports Medicine featuring military authors.	Miller MD.	Clin Sports Med. 2014 Oct;33(4):xiii. doi: 10.1016/j.csm.2014.08.001. No abstract available.	PMID:25280622
Intra-articular hip disorders in the military population: evaluation and management.	Gwathmey FW Jr, Kadrmas WR.	Clin Sports Med. 2014 Oct;33(4):655-74. doi: 10.1016/j.csm.2014.06.013. Review.	PMID:25280615
Note from consulting editor.	Miller MD.	Clin Sports Med. 2014 Jan;33(1):xv. doi: 10.1016/j.csm.2013.06.008. No abstract available.	PMID:24274855
Evaluation and treatment of jersey finger and pulley injuries in athletes.	Freilich AM.	Clin Sports Med. 2015 Jan;34(1):151-66. doi: 10.1016/j.csm.2014.09.001. Review.	PMID:25455402

Title	Authors	Citation	PMID
Foreword.	Miller MD.	Clin Sports Med. 2015 Apr;34(2):xi. doi: 10.1016/j.csm.2015.02.002. No abstract available.	PMID:25818720
Foreword.	Miller MD.	Clin Sports Med. 2015 Oct;34(4):xiii. doi: 10.1016/j.csm.2015.07.002. No abstract available.	PMID:26409597
Foreword. Sports Cardiology.	Miller MD.	Clin Sports Med. 2015 Jul;34(3):xiii. doi: 10.1016/j.csm.2015.04.003. No abstract available.	PMID:26100430
Sports hand and wrist injuries.	Miller MD.	Clin Sports Med. 2015 Jan;34(1):xi. doi: 10.1016/j.csm.2014.10.002. No abstract available.	PMID:25455405
Advances in Hip Arthroscopy.	Gwathmey FW.	Clin Sports Med. 2016 Jul;35(3):xv-xvi. doi: 10.1016/j.csm.2016.04.001. No abstract available.	PMID:27343401
Arthroscopic Surgical Techniques for the Management of Proximal Biceps Injuries.	Werner BC, Holzgrefe RE, Brockmeier SF.	Clin Sports Med. 2016 Jan;35(1):113-35. doi: 10.1016/j.csm.2015.08.001. Review.	PMID:26614472
Ethics in sports medicine is very much a gray area. Introduction.	Miller MD.	Clin Sports Med. 2016 Apr;35(2):ix. doi: 10.1016/j.csm.2015.11.002. No abstract available.	PMID:26832980
Foreword.	Miller MD.	Clin Sports Med. 2016 Jul;35(3):xiii. doi: 10.1016/j.csm.2016.04.002. No abstract available.	PMID:27343400
Foreword.	Miller MD.	Clin Sports Med. 2016 Oct;35(4):xiii. doi: 10.1016/j.csm.2016.06.002. No abstract available.	PMID:27543409
Pincer Impingement.	Hadeed MM, Cancienne JM, Gwathmey FW.	Clin Sports Med. 2016 Jul;35(3):405-18. doi: 10.1016/j.csm.2016.02.003. Review.	PMID:27343393
The Etiology and Arthroscopic Surgical Management of Cam Lesions.	Werner BC, Gaudiani MA, Ranawat AS.	Clin Sports Med. 2016 Jul;35(3):391-404. doi: 10.1016/j.csm.2016.02.007. Review.	PMID:27343392

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A semi-supervised method for predicting cancer survival using incomplete clinical data.	Hassanzadeh HR, Phan JH, Wang MD.	Conf Proc IEEE Eng Med Biol Soc. 2015;2015:210-3. doi: 10.1109/EMBC.2015.7318337.	PMID:26736237
Glutathione protects human nucleus pulposus cells from cell apoptosis and inhibition of matrix synthesis.	Yang D, Wang D, Shimer A, Shen FH, Li X, Yang X.	Connect Tissue Res. 2014 Apr;55(2):132-9. doi: 10.3109/03008207.2013.876421.	PMID:24409809
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