

## ***CURRICULUM VITAE***

### **Brett D. Owens, MD**

Orthopaedic Sports Medicine Surgeon  
Professor of Orthopaedic Surgery  
Brown University Alpert Medical School  
Associate Editor, *American Journal of Sports Medicine*

#### **EDUCATION**

Bachelor of Science - 1990-1994  
United States Military Academy, West Point, NY

Doctor of Medicine - 1994-1998  
Georgetown University School of Medicine, Washington, DC

#### **INTERNSHIP**

General Surgery - 1998-1999  
Walter Reed Army Medical Center, Washington, DC

#### **RESIDENCY**

Orthopaedic Surgery - 2000-2004  
University of Massachusetts Medical School, Worcester, MA

#### **CLINICAL FELLOWSHIP**

John A. Feagin, Jr. Sports Medicine Fellowship – 2006-2007  
Keller Army Hospital, US Military Academy, West Point, NY

#### **RESEARCH FELLOWSHIPS**

Beth Israel Biomechanics Laboratory, Boston, MA – 1999-2000  
University of Massachusetts Medical School, Worcester, MA

Bone and Soft Tissue Laboratory – 2005-2006  
US Army Institute of Surgical Research, San Antonio, TX

#### **POSITIONS**

Staff Orthopaedic Surgeon – 2004-2005  
John A. Feagin, Jr. Sports Medicine Fellowship  
Assistant Team Physician, US Military Academy  
Keller Army Hospital, West Point, NY

Orthopaedic Surgeon – 2004-2005  
86<sup>th</sup> Combat Support Hospital, Iraq

Chief, Sports Medicine and Shoulder Surgery – 2007-2009  
Director of Research, WBAMC/Texas Tech Orthopaedic Surgery Residency  
Program – 2007-2009  
William Beaumont Army Medical Center, El Paso, TX

Staff Orthopaedic Surgeon – 2009-2010  
John A. Feagin, Jr. Sports Medicine Fellowship  
Assistant Team Physician, US Military Academy  
Keller Army Hospital, West Point, NY

Chief, Orthopaedic Surgery and Sports Medicine – 2010-2015

Keller Army Hospital, West Point, NY

Director, Sports Medicine Research – 2015-present  
Director, Sports Medicine, The Miriam Hospital  
Department of Orthopaedics  
Brown University Alpert Medical School  
Partner, University Orthopedics, Inc.  
Providence, RI

Director, The Sports Injury Research Lab— 2017-present  
Brown University Alpert Medical School  
Partner, University Orthopedics, Inc.  
Providence, RI

Director, University Orthopedics Cartilage Repair Center – 2017-present  
Director, Cartilage Research Lab  
University Orthopedics, Inc.  
Brown University Alpert Medical School  
Providence, RI

## **ACADEMIC APPOINTMENTS**

Adjunct Assistant Professor of Surgery – 2005-2009  
F. Edward Hebert School of Medicine  
Uniformed Services University of Health Sciences, Bethesda, MD

Assistant Professor of Orthopedic Surgery – 2008-2009  
Paul L. Foster School of Medicine  
Texas Tech University Health Sciences Center (TTUHSC), El Paso, TX

Adjunct Associate Professor of Surgery – 2009-2013  
F. Edward Hebert School of Medicine  
Uniformed Services University of Health Sciences, Bethesda, MD

Professor, Department of Surgery – 2013-present  
F. Edward Hebert School of Medicine  
Uniformed Services University of Health Sciences, Bethesda, MD

Professor, Orthopaedic Surgery – 2015-present  
Department of Orthopaedic Surgery  
Brown University, Alpert Medical School, Providence, RI

## **HONORS**

Distinguished Honor Graduate, USMA

Phi Kappa Phi, USMA

Attendee, 1<sup>st</sup> Annual AOA-OREF-Zimmer Resident Leadership Forum,  
Charleston, SC, June 2003.

American Orthopaedic Association, Emerging Leaders Program, 2004

American Orthopaedic Association North American Traveling Fellow, 2007

US Army Surgeon General “A” Proficiency Designation for Orthopaedic Surgery, 2011

AOSSM-ESKKA Traveling Fellow, 2012

AAOS Leadership Fellow, 2013-4

Orthopedics This Week, Top 28 Sports Knee Surgeons in the US, 2014.

Order of Military Medical Merit, Elected December 2014.

## AWARDS

2<sup>nd</sup> Place, Southern Medical Association’s Resident Forum Competition, New Orleans, LA, 1998. Kuklo TR, Islinger RB, **Owens BD**, Horan PJ, Choma TJ, Temple HT. Langerhans’ Cell Histiocytosis Presenting in Patients over 21 Years Old.

2<sup>nd</sup> Place, New England Orthopaedic Society Kilfoyle Award, Boston, MA, 2001. **Owens BD**, Stickles BJ, Balikian P, Busconi BD. Prospective Analysis of Radiofrequency Versus Mechanical Debridement of Isolated Patellar Chondral Lesions.

Smith & Nephew’s Call for Abstracts Program, Memphis, TN, 2002. **Owens BD**, Neault M, Dick B, Busconi BD. Primary Repair of Traumatic Knee Dislocations.

Resident Teaching Award, University of Massachusetts Medical School, Class of 2002.

1<sup>st</sup> Place, AAOS Resident Case Authoring Contest, 2003. Prybyla D, **Owens BD**, Busconi BD. Hip Dislocation and Symptomatic Loose Bodies.

1<sup>st</sup> Place, New England Orthopaedic Society Kilfoyle Award, Boston, MA, 2003. **Owens BD**, Neault M, Dick B, Busconi BD. Primary Repair of Traumatic Knee Dislocations.

OTA Highlight Paper, Orthopaedic Trauma Association, Phoenix, AZ, October 2006. **Owens BD**, White DW, Wenke JC. Comparison of Pulse Lavage Versus Bulb Syringe Irrigation in a Chronic Contaminated Wound Model.

American Orthopaedic Society for Sports Medicine NCAA Research Award, 2007. **Owens BD**, Duffey ML, Nelson BJ, DeBerardino TM, Taylor DC, Mountcastle SB. The Epidemiology of Shoulder Instability in a Young, Athletic Population.

Dehne Award for Excellence in Orthopaedic Research, William Beaumont Army Medical Center, 2008. Carr BJ, Ochoa L, Rankin D, **Owens BD**. Biologic Response to Newly Developed Orthopaedic Sutures: Histologic Study in the Rabbit Model.

1<sup>st</sup> Place, Annual Lake Erie of Osteopathic Medicine Research Day, 2008. Goodman G, Belmont PJ, **Owens BD**. Epidemiology of Combat Injuries Sustained by a U.S. Army Brigade Combat Team: Experience During the Surge Period of Operation Iraqi Freedom.

Researcher of the Year, 2009. William Beaumont Army Medical Center.

Founders' Award, Society of Military Orthopaedic Surgeons, 2009. Goodman G, Belmont PJ, Waterman B, Burks R, DeZee K, **Owens BD**. Epidemiology of Disease and Musculoskeletal Non-Battle Injuries Sustained by a U.S. Army Brigade Combat Team During the Iraq War.

AMEDD Central Simulation Committee Research Award, 2009. Martin KD, Belmont PJ, Schoenfeld AJ, Todd MS, Bader JO, **Owens BD**. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing.

Western Orthopaedic Association's Resident Award, 2010. Sieg R, Garcia EJ, Schoenfeld AJ, Collins T, Belmont PJ, **Owens BD**. Effects Of Supplemental Oxygen And Hyperbaric Oxygen On Tendon Healing In A Rat Model.

1<sup>st</sup> Place Oral Presentation, Texas Tech University Health Sciences Center Research Competition. Martin KD, Belmont PJ, Schoenfeld AJ, Todd MS, Bader JO, **Owens BD**. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing.

AOSSM Best Poster Award, 2011. Svoboda SJ, Brechue W, Harvey T, **Owens BD**, Cameron KL. Changes In Serum Biomarkers Of Cartilage Turnover Following ACL Reconstruction.

Arthritis Foundation Young Investigators Award. Svoboda SJ, Harvey T, Brechue W, **Owens BD**, Cameron KL. Changes in serum biomarkers of cartilage turnover following ACL reconstruction.

Founders' Award, Society of Military Orthopaedic Surgeons, 2011. **Owens BD**, Cameron KL, Duffey ML, Vargas D, Mountcastle SB, Padua D, Nelson BJ. Military Movement Training Program Improves Jump Landing Mechanics Associated with ACL Injury Risk.

Western Orthopaedic Association's Resident Award, 2012. Martin KD, Cameron KL, Schoenfeld A, Belmont PJ, **Owens BD**. Arthroscopic Basic Task Performance in Shoulder Simulator Model Correlates with Clinical Shoulder Arthroscopy Experience in Residents.

O'Donoghue Research Award, American Orthopaedic Society for Sports Medicine, 2012. Svoboda SJ, **Owens BD**, Harvey T, Brechue W, Tarwater P, Cameron KL. The Association Between Serum Biomarkers of Cartilage Turnover and Subsequent Anterior Cruciate Ligament Rupture.

Journal of Athletic Training Kenneth L. Knight Award for the Outstanding Research Manuscript of 2012, 2<sup>nd</sup> Runner Up. Jones JJ, Burks R, **Owens BD**, Sturdivant RX, Svoboda SJ, Cameron KL. Incidence and Risk Factors Associated with Meniscal Injuries Among Active-Duty U.S. Service Members.

Associated with Meniscal Injuries Among Active-Duty U.S. Service Members. Aircast Award for Clinical Research, American Orthopaedic Society for Sports Medicine, 2013. **Owens BD**, Campbell S, Cameron KL. Risk Factors for Anterior Glenohumeral Instability.

O'Donoghue Research Award, American Orthopaedic Society for Sports Medicine, 2014. **MARS Group**. Revision Anterior Cruciate Ligament Reconstruction Graft Choice Impact on Outcome in the MARS Cohort.

Aircast Award for Clinical Research, American Orthopaedic Society for Sports Medicine, 2014. Dickens JF, **Owens BD**, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Rue JP, Cameron KL, Sullivan RT. Return to Play Following In-Season Anterior Shoulder Instability: A Prospective Multicenter Study.

AAOS Volunteer Achievement Award, 2015.

AOSSM Fellow Research Award for Clinical Science, 2015. Dickens JF, Rue JP, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Cameron KL, Sullivan RT, **Owens BD**. Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study.

AAOS Volunteer Achievement Award, 2016.

Translational Sciences 2<sup>nd</sup> Place Prize, Hospital Research Celebration, Rhode Island Hospital, 2016. Human cartilage-derived stem cells successfully integrate into the meniscus and remain chondrogenic in ex-vivo culture.

Translational Sciences 1<sup>st</sup> Place Prize, Hospital Research Celebration, Rhode Island Hospital, 2017. Successful meniscal repair using human cartilage-derived chondroprogenitor cells that are resistant to hypertrophy.

Best Poster Orthopaedic Research Society Meniscus Section, 2019. Cartilage-derived Chondroprogenitors Require CXCR4 Activation to Successfully Bridge Meniscal Fibrocartilage Tears.

Kappa Delta Award, AAOS, 2019. **MARS Group**. Predictors of Clinical Outcome Following Revision Anterior Cruciate Ligament Reconstruction.

Top Sports Medicine Poster, AOA Annual Meeting, 2019. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts

Arthroscopy Best Systematic Review/Meta-analysis Research Award of 2019. Gao B, DeFroda S, Bokshan S, Dwivedi S, Ready L, Cole BJ, **Owens BD**. The Therapeutic Benefits of Saline Solution Injection for Lateral Epicondylitis: A Meta-analysis of Randomized Control Trials Comparing Saline Injections to Non-Surgical Injection Therapies.

## TEXTBOOKS

**Owens BD**, Belmont PJ, eds. *Combat Orthopaedic Surgery: Lessons Learned in Iraq and Afghanistan*. Slack, Inc, Thorofare, NJ, 2011.

Cameron KL, **Owens BD**, eds. *Musculoskeletal Injuries in the Military*. Springer, New York, NY, 2015.

Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier, Philadelphia, PA, 2017.

Dickens JF, **Owens BD**. *Shoulder Instability in the Athlete: Management and Surgical Techniques for Optimized Return to Play*. Slack, Inc, Thorofare, NJ, (In Press).

## BOOK CHAPTERS

1. McCarthy JC, Busconi BD, **Owens BD**. Assessment of the Painful Hip. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 3-6.
2. Busconi BD, **Owens BD**. Differential Diagnosis of the Painful Hip. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 7-16.
3. Mason JB, O'Donnell J, Mayor MB, Busconi BD, **Owens BD**, Lee J. Patient Positioning and Distraction. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 73-80.
4. Stickles BJ, **Owens BD**, Busconi BD. Pediatrics. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 165-168.
5. **Owens BD**, Busconi BD. Trauma. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 169-174.
6. Wixted JJ, Busconi BD, **Owens BD**. Complications of Hip Arthroscopy. In McCarthy JC, ed. *Early Hip Disorders: Advances in Detection and Minimally Invasive Treatment*. Springer-Verlag; New York, 2003, 191-194.
7. **Owens BD**, Busconi BD. Pelvis, Hip, and Thigh. In O'Connor FG, Sallis R, Wilder R, St. Pierre P, eds. *Sports Medicine: Just the Facts*. McGraw-Hill; New York, 2005, 337-342.
8. **Owens BD**, Busconi BD. Pelvis, Hip, and Thigh. In O'Connor FG, Sallis R, Wilder R, St. Pierre P, eds. *Sports Medicine: Board Review and Examination*. McGraw-Hill; New York, 2005, 78-79.
9. **Owens BD**, Busconi BD. Sports Specific Injuries of the Hip, Pelvis, and Thigh. In Schepsis AA, Busconi BD, eds. *Sports Medicine*. Lippincott Williams & Wilkins; Philadelphia, PA, 2006, 320-332.
10. Goss TP, **Owens BD**. Fractures of the Scapula: Diagnosis and Treatment. In Iannotti JP and Williams GR, eds. *Disorders of the Shoulder: Diagnosis and Management*, 2<sup>nd</sup> Ed. Lippincott Williams & Wilkins; Philadelphia, PA, 2007, 793-840.
11. Bottoni CR, **Owens BD**. Suture Anchor Fixation for Shoulder Instability. In Cole BJ, Sekiya JK. *Surgical Techniques of the Shoulder, Elbow, and Knee in Sports Medicine*. Elsevier; Philadelphia, PA, 2008, 25-34.
12. Goss TP, **Owens BD**. Fractures of the Scapula. In Rockwood CA, Matsen FA, eds. *The Shoulder*, 4th ed. Elsevier; Philadelphia, PA, 2009, 333-380.

13. DeBerardino TM, **Owens BD**. The Team Physician. Delee J, Drez D, Miller MD, eds. *Orthopaedic Sports Medicine: Principles and Practice*, 3<sup>rd</sup> Ed. WB Saunders; Philadelphia, PA, 2010, 507-32.
14. DeBerardino TM, **Owens BD**. Repair of Acute and Chronic Patella Tendon Tears. In Weisel S, ed. *Operative Techniques in Orthopaedic Surgery*. Lippincott Williams & Wilkins; Philadelphia, PA, 2010, 402-6.
15. **Owens BD**, Goss TP. ORIF of Nonarticular Scapular Fractures. In Weisel S, ed. *Operative Techniques in Orthopaedic Surgery*. Lippincott Williams & Wilkins; Philadelphia, PA, 2010, 3243-8.
16. **Owens BD**, Branstetter J, Goss TP. ORIF of Intraarticular Scapular Fractures. In Williams GR and Ramsey M, eds. *Operative Techniques in Orthopaedic Surgery*. Lippincott Williams & Wilkins; Philadelphia, PA, 2010, 3249-55.
17. Waterman S, Fleming ME, **Owens BD**. Irrigation and Debridement. Owens BD, Belmont PJ, eds. *Combat Orthopaedic Surgery: Lessons Learned in Iraq and Afghanistan*. Slack, Inc; Thorofare, NJ, 2011, 93-100.
18. **Owens BD**, Burns T, DeBerardino TM. Examination and Classification of Instability. Romeo AA, Provencher MT, eds. *Shoulder Instability: A Comprehensive Approach*. Elsevier; Philadelphia, PA, 2011, 20-32.
19. Goss TP, Burns T, **Owens BD**. Open Reduction and Internal Fixation of Glenoid Fractures. Craig EV, ed. *Master Techniques in Orthopaedic Surgery: Shoulder*. Lippincott Williams & Wilkins; Philadelphia, PA, 2012, 493-510.
20. Svoboda SJ, Burns T, Giuliani J, **Owens BD**. Meniscus Transplant in the Multiple Ligament Injured Knee. Fanelli G, ed. *The Multiple Ligament Injured Knee*, 2nd Ed. Springer; New York, 2013, 401-19.
21. Arciero RA, **Owens BD**. Surgical Management of Glenohumeral Instability with Soft-Tissue Deficiency. In Iannotti JP, Miniaci A, Williams GR, Zuckerman J, eds. *Disorders of the Shoulder: Diagnosis and Management*, 3rd Ed. Lippincott Williams & Wilkins; Philadelphia, PA, 2013, p.255-263.
22. **Owens BD**. Classification, Clinical Assessment, and Imaging of Glenohumeral Instability. In Nicholson GP, ed. *Orthopaedic Knowledge Update: Shoulder and Elbow 4*. AAOS; Chicago, IL, 2013 p. 67-76.
23. **Owens BD**, Cameron KL. Sports Injuries. In *The Burden of Musculoskeletal Diseases in the United States*, 3<sup>rd</sup> Ed. AAOS; Chicago, IL, 2014, pg 313-327.
24. Cameron KL, Waterman BL, **Owens BD**. What are the Most Common Non-modifiable Risk Factors for Lateral Ankle Sprains? In McKeon P, Wikstrom E, eds. *Quick Questions in Ankle Sprains: Expert Advice in Sports Medicine*. SLACK, Inc.; Philadelphia, PA, 2015, p. 19-24.
25. Johnson M, **Owens BD**, Cameron KL. What are the Key Rehabilitation Considerations for Producing the Best Clinical Outcomes Following Lateral Ankle Reconstruction? In McKeon P, Wikstrom E, eds. *Quick Questions in Ankle Sprains: Expert Advice in Sports Medicine*. SLACK, Inc.; Philadelphia, PA, 2015, p. 191-8.

26. Miller JM, **Owens BD**. Postoperative Rehabilitation after Treatment of Lateral and Medial Ankle Fractures. In Reider B, Davies G, Provencher MT, eds. *Getting Back in the Game: Orthopaedic Rehabilitation of the Athlete*. Elsevier; Philadelphia, PA, 2015, p. 1449-1462.
27. Posner MA, Roach CJ, **Owens BD**. Vascular Problems and Thoracic Outlet Syndromes. In Delee J, Drez D, Miller MD, eds. *Orthopaedic Sports Medicine: Principles and Practice*, 4<sup>th</sup> Ed. WB Saunders; Philadelphia, PA, 2015, p. 666-677.
28. Masini BD, **Owens BD**. Tennis Elbow in Athletes: More Than Just Tennis? In Wolf JM, ed. *Tennis Elbow: Clinical Management*. Springer; New York, NY, 2015, p. 7-16.
29. Bhalla K, **Owens BD**, Castillo RC. Global Burden of Musculoskeletal Injuries. In Browner B, ed. *Skeletal Trauma: Basic Science, Management, and Reconstruction 5<sup>th</sup> Edition*. Elsevier; Philadelphia, PA, 2015, p. 31-38.
30. Haley CA, Svoboda SJ, **Owens BD**. Meniscus Transplant in the PCL-Injured Knee. In Fanelli G, ed. *Posterior Cruciate Ligament Injuries: A Practical Guide to Management*. Springer; New York, 2015, p. 295-310.
31. Patzkowski J, **Owens BD**. Shoulder Instability. In Miller MD, ed. *OKU Sports Medicine 5*. AAOS; Chicago, IL, 2016, p. 3-16.
32. Miller JM, Carow S, Westrick RB, Fogarty B, **Owens BD**, Gerber JP. Imaging of Athletic Knee Injuries. Tyler TF, ed. *Sports Physical Therapy Section Home Study Course*. SPTS; Indianapolis, IN, 2016, p. 1-22.
33. **Owens BD**, Garcia E. Uncomplicated Anterior Instability: The "Simple" Arthroscopic Bankart Reconstruction. In Abrams J, Bell R, Tokish J, eds. *Advanced Reconstruction: Shoulder 2*. AAOS; Chicago, IL, 2016, p. 57-68.
34. Paxton S, **Owens BD**. Open Anterior Glenohumeral Instability Repair. In Green A, Hayda R, eds. *Postoperative Orthopedic Rehabilitation*. AAOS; Chicago, IL, 2017, p. 48-55.
35. Waterman BR, **Owens BD**. Knee Examination and Imaging. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 3-13.
36. Waterman BR, **Owens BD**. Diagnostic Knee Arthroscopy. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 14-24.
37. Waterman BR, **Owens BD**. Arthroscopic Synovectomy and Posterior Knee Arthroscopy. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 25-34.
38. Waterman BR, **Owens BD**. Arthroscopic Lysis of Adhesions. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 35-41.



39. Waterman BR, **Owens BD**. Arthroscopic Meniscectomy and Meniscal Cyst Decompression. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 42-52.
40. Waterman BR, **Owens BD**. Arthroscopic Management of the Discoid Meniscus. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 53-8.
41. Waterman BR, **Owens BD**. Inside-out and Outside-in Meniscus Repair. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 59-69.
42. Waterman BR, **Owens BD**. All-inside Meniscal Repair and Meniscal Root Repair. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 70-8.
43. Waterman BR, **Owens BD**. Arthroscopically Assisted Meniscus Allograft Transplantation. In Miller MD, Browne JA, Cole BJ, Cosgarea A, **Owens BD**, eds. *Operative Techniques in Sports Knee Surgery*. Elsevier; Philadelphia, PA, 2017, p. 79-93.
44. Gil JA, **Owens BD**. Posterior Shoulder Instability: Epidemiology, Mechanism of Injury, History, Physical Examination and Imaging. In Arciero RA, Cordasco FA, Provencher MT, eds. *Shoulder and Elbow Injuries in Athletes: Prevention, Treatment, and Return to Sport*. Elsevier; Philadelphia, PA, 2018, p. 120-5.
45. Posner MA, Roach CJ, Pickett AM, **Owens BD**. Vascular Problems and Thoracic Outlet Syndromes. In Miller MD, Thompson SR eds. *Delee, Drez, & Miller's Orthopaedic Sports Medicine: Principles and Practice*, 5<sup>th</sup> Ed. Elsevier; Philadelphia, PA, 2019 p. 632-644.
46. Johnson JP, Bhalla K, **Owens BD**, Castillo RC. Global Burden of Musculoskeletal Injuries. In Browner B, ed. *Skeletal Trauma: Basic Science, Management, and Reconstruction 6<sup>th</sup> Edition*, Elsevier; Philadelphia, PA, 2019, p. 25-33.
47. Ware JK, **Owens BD**. Arthroscopic Double-Row Rotator Cuff Repair. In Morrey BF, ed. *Master Techniques in Orthopaedic Surgery: Sports Medicine, 2<sup>nd</sup> Edition*. Wolters Kluwer; Philadelphia, PA, 2020, 195-206.
48. Wiley TJ, Tennent DJ, Jayasuriya C, Twomey-Kozak J, **Owens BD**. Meniscus and Labrum. In Aaron R, ed. *Orthopaedic Basic Science: Foundations of Clinical Practice*, 5<sup>th</sup> Ed. AAOS; Rosemont, IL, 2020, 169-180.
49. Marcaccio SE, **Owens BD**. Biceps Tendonitis. In Ferri FF, ed. *Ferri's Clinical Advisor*, 23<sup>rd</sup> Ed, Elsevier; Philadelphia, PA, 2021, p.238.34-e6.
50. Wiley TJ, **Owens BD**. Clinical Assessment, Imaging, and Classification of Glenohumeral Instability. In Nicholson GP, ed. *Orthopaedic Knowledge Update: Shoulder and Elbow 5*. AAOS; Chicago, IL, 2021, p.59-74.

51. DeFroda S, **Owens BD**. Shoulder Instability. In Cain L, ed, *OKU Sports Medicine 6*. AAOS (In Press).
52. Levins J, **Owens BD**. Posterior Instability: Epidemiology, History, Physical Examination, Imaging, and Non-operative Treatment. In Cordasco F, ed. *Rockwood and Matsen's The Shoulder*, 6th Ed. Elsevier (In Press).
53. **Owens BD**, Cameron KL, Bookbinder HA, Watkins-Castillo SI. Sports Injuries. In *The Burden of Musculoskeletal Diseases in the United States*, 4<sup>th</sup> Ed. AAOS (In Press).

## **PUBLISHED ARTICLES**

1. Islinger RB, Kuklo TR, **Owens BD**, Horan PJ, Choma, TJ, Murphey MD, Temple HT. Langerhans' Cell Histiocytosis in Patients Older Than 21 Years. *Clin Orthop Relat Res* 2000;(379):231-235.
2. Kuklo TR, Polly DW, **Owens BD**, Zeidman SR, Chang AS, Klemme WR. Measurement of Thoracolumbar Fracture Kyphosis: Evaluation of Intraobserver, Interobserver, and Technique Variability. *Spine* 2001;(26):61-66.
3. Klemme WR, **Owens BD**, Dhawan A, Zeidman SR, Polly DW. Lumbar Sagittal Contour Following Interbody Fusion: Threaded Devices Alone Versus Cages Plus Posterior Instrumentation. *Spine* 2001;(26):534-537.
4. Kuklo TR, Islinger RB, **Owens BD**, Murphey MD, Berrey H, Temple HT. Pseudotumors Presenting in Non-hemophiliacs. *Orthopedics* 2001;(24):483-486.
5. Stickles B, Phillips L, Brox WT, **Owens B**, Lanzer WL. Defining the Relationship between Obesity and Total Joint Arthroplasty. *Obes Res* 2001;(9):219-223.
6. **Owens BD**, Murphy KR, Kuklo TR. Arthroscopic Release for Lateral Epicondylitis. *Arthroscopy* 2001;(17):582-587.
7. **Owens BD**, Stickles BJ, Balikian P, Busconi BD. Prospective Analysis of Radiofrequency Versus Mechanical Debridement of Isolated Patellar Chondral Lesions. *Arthroscopy*, 2002;(18):151-155.
8. Shawen SB, Belmont PJ, Kuklo TR, **Owens BD**, Taylor KF, Kruse R, Polly DW. Hemimetameric Segmental Shift: A Case Series and Review. *Spine* 2002; 27 (24):E539-544.
9. Mason JB, McCarthy JC, O'Donnell J, Barsoum W, Mayor MB, Busconi BD, Krebs VE, **Owens BD**. Hip Arthroscopy: Surgical Approach, Positioning and Distraction. *Clin Orthop Relat Res* 2003;(406):29-37.
10. **Owens BD**, Crane G, Plante T, Busconi BD. Treatment of Type III Tibial Intercondylar Eminence Fractures in the Skeletally Immature Athlete. *Am J Orthop* 2003;(32):103-105.
11. **Owens BD**, Stickles BJ, Busconi BD. Radiofrequency Energy: Applications and Basic Science. *Am J Orthop* 2003;(32):117-120.

12. **Owens BD**, Wixted JJ, Cook J, Teebagy AK. Intramedullary Transmetatarsal Kirschner Wire Fixation of Lisfranc's Fracture-Dislocations. *Am J Orthop* 2003;(32):389-91.
13. Kuklo TR, **Owens BD**, Polly DM. Perioperative Blood and Blood Product Management for Spinal Deformity Surgery. *Spine J* 2003;(3):388-93.
14. **Owens BD**, Goss TP. Surgical Approaches to Glenoid Fractures. *Tech Shoulder Elb Surg* 2004;(5):103-115.
15. Kuklo TR, Temple HT, **Owens BD**, Juliano J, Islinger RB, Andejaski Y, Berrey BH. Preoperative versus Postoperative Radiation Therapy for Soft Tissue Sarcomas. *Am J Orthop* 2005;34(2):75-80.
16. **Owens BD**, Nelson BJ, Taylor DC. Surgical Treatment of Primary Traumatic Patellar Dislocations. *Tech Knee Surg* 2005;4(3):140-6.
17. **Owens BD**, Osuch D, Morgan WJ. Rapid Osteolysis in Semiconstrained Total Elbow Arthroplasty: Case Report and Review. *J Shoulder Elbow Surg* 2006;15(2):252-5.
18. Wenke JC, **Owens BD**, Svoboda SJ, Brooks DE. Effectiveness of Commercially-Available Antibiotic-Impregnated Implants. *J Bone Joint Surg [Br]* 2006; 88(8):1102-4.
19. **Owens BD**, Wenke JC, Svoboda SJ, White DW. Extremity Trauma Research in the United States Army. *J Am Acad Orthop Surg* 2006;14(10):S37-40.
20. **Owens BD**, Goss TP. The Floating Shoulder. *J Bone Joint Surg [Br]* 2006;88(911):1419-24.
21. **Owens BD**, Busconi BD. Arthroscopy for Hip Dislocation and Fracture-Dislocation. *Am J Orthop* 2006;35(12):584-7.
22. **Owens BD**, Dunn WR, Mountcastle SB, DeBerardino TM, Taylor DC. Incidence Of Anterior Cruciate Ligament Injury Among Active Duty U.S. Military Servicemen And Servicewomen. *Mil Med* 2007;172(1):90-1.
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11. Shawen SB, **Owens BD**, Belmont PJ, Kuklo TR, Polly DW. Hemimetameric Segmental Displacement: Case Series and Review. Scoliosis Research Society, Cleveland, OH, September, 2001.

12. **Owens BD**, Stickles BJ, Balikian P, Busconi BD. Prospective Analysis of Radiofrequency Versus Mechanical Debridement of Isolated Patellar Chondral Lesions. New England Orthopaedic Society, Boston, MA, November, 2001.

13. **Owens BD**, Neault M, Dick B, Busconi BD. Primary Repair of Traumatic Knee Dislocations. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2001.

14. **Owens BD**, Plante T, Crane G, Busconi BD. Treatment of Type III Tibial Intercondylar Eminence Fractures in the Skeletally Immature Athlete. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2001.

15. **Owens BD**, Neault M, Dick B, Busconi BD. Primary Repair of Traumatic Knee Dislocations. Smith & Nephew's Call for Abstracts, Memphis, TN, August, 2002.

16. Millar B, **Owens BD**, Terrill RQ. Lateral Epicondylitis: Review of One Surgeon's Experience with Bier Block Anesthesia in the Surgical Management. New England Hand Society, Sturbridge, MA, December, 2002.



17. **Owens BD**, Stickles BJ, Busconi BD. Arthroscopy for Hip Dislocation and Fracture-Dislocation. Society of Military Orthopaedic Surgeons, San Diego, CA, December, 2002.
18. **Owens BD**, Neault M, Dick B, Busconi BD. Primary Repair of Traumatic Knee Dislocations. New England Orthopaedic Society, Boston, MA, November, 2003.
19. **Owens BD**, Mountcastle SB, Dunn WR, Taylor DC. Incidence of ACL Tears Among Active Duty US Military Servicemen and Women. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2004.
20. **Owens BD**, White DW, Svoboda S, Wenke J. The Effect of Various Wound Treatments on a Contaminated Extremity Wound in a Caprine Survival Model. Advanced Technology Applications for Combat Casualty Care, St. Pete's Beach, FL, August, 2005.
21. Osuch DB, Canete JJ, **Owens BD**, Hirsh MP, Danielson PD. Children on ATVs and Dirt-bikes: A failure of injury prevention. American Academy of Pediatrics, Washington, DC, October, 2005.
22. Osuch DB, **Owens BD**, DeAngelis JP, Pfeifer JL, Anderson RC. Motorcycle Trauma in Patients Over Fifty Years of Age. New England Orthopaedic Society, Boston, MA, November, 2005.
23. **Owens BD**, Kragh JF, Wenke JC, Svoboda SJ, Wade CE, Holcomb JB. Wounding Patterns and Distribution of Extremity Fractures in OIF/OEF. Society of Military Orthopaedic Surgeons, Kissimmee, FL, 2005.
24. **Owens BD**, Wenke JC, Svoboda SJ, Brooks DE. Antibacterial Bone Graft Substitute for Treatment of Open Fractures. Society of Military Orthopaedic Surgeons, Kissimmee, FL, 2005.
25. **Owens BD**, Nelson BJ, Duffey ML, Mountcastle SB, Campbell SE, Taylor DC, DeBerardino TM. Traumatic Anterior Shoulder Subluxations. Northeast Fellows' Sports Medicine Conference at West Point, May, 2006.
26. Lallis SJ, **Owens BD**, White DW, Svoboda S, Wenke J. Optimization of Wound Irrigation. Advanced Technology Applications for Combat Casualty Care, St. Pete's Beach, FL, August, 2006.
27. Wenke JC, **Owens BD**, White DW. Comparison of Pulse Lavage Versus Bulb Syringe Irrigation in a Chronic Contaminated Wound Model. Orthopaedic Trauma Association, Phoenix, AZ, October, 2006.
28. Wenke JC, **Owens BD**, Svoboda SJ, Brooks DE. Antibacterial Bone Graft Substitute for Treatment of Open Fractures. Orthopaedic Trauma Association, Phoenix, AZ, October, 2006.
29. Ross AE, Jordan C, **Owens BD**, Nelson BJ, Taylor DC, DeBerardino TM. The Surgical Treatment of Patella Dislocations. Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2006.

30. **Owens BD**, Wenke JC. Delayed Irrigation Reduces the Ability to Remove Bacteria. American Academy of Orthopaedic Surgeons, San Diego, CA, February, 2007.
31. **Owens BD**, White DW, Wenke JC. Comparison of Irrigation Solutions in a Chronic Contaminated Wound Model. American Academy of Orthopaedic Surgeons, San Diego, CA, February, 2007.
32. **Owens BD**, White DW, Wenke JC. Comparison of Pulse Lavage Versus Bulb Syringe Irrigation in a Chronic Contaminated Wound Model. American Academy of Orthopaedic Surgeons, San Diego, CA, February, 2007.
33. Wenke JC, **Owens BD**, White DW. Comparison of Pulse Lavage Versus Bulb Syringe Irrigation in a Chronic Contaminated Wound Model. Orthopaedic Trauma Association Specialty Day, San Diego, CA, February, 2007.
34. **Owens BD**, Nelson BJ, DeBerardino TM. Arthroscopic Repair of Combined Labral Lesions. Northeast Fellows' Sports Medicine Conference at West Point, June, 2007.
35. **Owens BD**, Duffey ML, Nelson BJ, DeBerardino TM, Taylor DC, Mountcastle SB. The Epidemiology of Shoulder Instability in a Young, Athletic Population. American Orthopaedic Society for Sports Medicine, Calgary, CAN, July, 2007.
36. Lallis SJ, Branstetter J, **Owens BD**, Wenke JC. Comparison of High Pressure Parallel Flow and Bulb Syringe Irrigation in a Bioluminescent Musculoskeletal Wound Model. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2007.
37. Dawson LK, Cameron KL, **Owens BD**. The Incidence of Shoulder Dislocation in Active Duty U.S. Military Personnel. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2007.
38. Cameron KL, **Owens BD**, DeBerardino TM. Incidence of Ankle Sprains Among Members of the US Armed Services Between 1998 and 2005. Society of Military Orthopaedic Surgeons, Vail, CO, December, 2007.
39. **Owens BD**, DeBerardino TM, Nelson BJ, Thurman J, Cameron KL, Taylor DC, Uhorchak JM, Arciero RA. Long-term Follow-up of Acute Arthroscopic Stabilization for Initial Anterior Shoulder Dislocations in Young Athletes. American Orthopaedic Society for Sports Medicine Specialty Day, San Francisco, CA, March, 2008.
40. Jones CJ, Cameron KL, **Owens BD**. Incidence of Ankle Sprains within a Young Physically Active Population. National Athletic Trainers' Association Annual Meeting, St. Louis, MO, June, 2008.
41. Masini BD, Waterman SM, Wenke JC, **Owens BD**, Hsu JR, Ficke JR. Resource Utilization and Disability Outcomes for OIF and OEF Combat Casualties. Advanced Technology Applications for Combat Casualty Care, St. Pete's Beach, FL, August, 2008.
42. Masini BD, Waterman S, Wenke JC, **Owens BD**, Hsu J, Ficke J. Resource Utilization and Disability Outcomes Assessment of Combat Casualties From

Operation Iraqi Freedom and Operation Enduring Freedom. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

43. Zacchilli M, **Owens BD**. The incidence of shoulder dislocation in the US population. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

44. Waterman B, Belmont PJ, Cameron KL, DeBerardino TM, **Owens BD**. Incidence and Risk Factors for Ankle Sprain at the United States Military Academy. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

45. Waterman S, Slade D, Masini B, **Owens BD**. Safety Analysis of All-inside Arthroscopic Repair of Peripheral TFCC Lesions. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

46. Seig R, Machen SM, Bear R, **Owens BD**. Use of Pressure and Flow Control Arthroscopic Pump Decreases Operative Times for ACL Reconstruction Compared with Flow Control Pump. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

47. Scher D, Belmont P, Mountcastle SB, **Owens BD**. Incidence of Primary Hip Osteoarthritis in Active Duty US Military Servicemembers. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December, 2008.

48. Wolf JM, Athwal GS, Hoang B, Mehta S, Williams A, **Owens BD**. Knowledge of Levels of Evidence Criteria in Orthopaedic Residents. American Academy of Orthopaedic Surgeons, Las Vegas, NV, February, 2009.

49. Waterman S, Slade D, Masini B, **Owens BD**. Safety Analysis of All-inside Arthroscopic Repair of Peripheral TFCC Lesions. Arthroscopy Association of North America Meeting, San Diego, CA, April, 2009.

50. Cameron KL, Duffey ML, DeBerardino TM, Stoneman PD, Jones CJ, **Owens BD**. Increased Generalized Joint Hypermobility Is Related to History of Glenohumeral Joint Instability. American College of Sports Medicine Annual Meeting, Seattle, WA, May, 2009.

51. Cameron KL, Jones CJ, **Owens BD**. Epidemiology of Glenohumeral Joint Instability among Athletes. National Athletic Trainers Association Annual Meeting, San Antonio, TX, June, 2009.

52. Jones JC, Burks R, **Owens BD**, DeBerardino TM, Sturdivant RX, Cameron KL. Incidence of meniscal injuries in the U.S. Military: Demographic and occupational risk factors in a high risk population. National Athletic Trainers Association Annual Meeting, San Antonio, TX, June, 2009.

53. Zacchilli M, Jobe T, **Owens BD**. Alpine skiing and snowboarding injuries in the United States. Western Orthopaedic Association, Seattle, WA, July, 2009.

54. Svoboda SJ, Cameron KL, **Owens BD**. Soft Tissue Injury Surveillance and Analysis of Treatment Outcomes. American Orthopaedic Society for Sports Medicine, Keystone, CO, July, 2009.

55. Lalliss SJ, Branstetter JG, **Owens BD**, Wenke JC. Comparison of High Pressure Parallel Flow Versus Bulb Syringe Irrigation in a Chronic Contaminated Musculoskeletal Wound Model. Musculoskeletal Infection Society Meeting, San Diego, CA, August, 2009.
56. Sturdivant R, Burks R, **Owens B**, Wolf J, Cameron K. Epidemiological Studies in the Military. Joint Statistics Meetings, Washington, DC, August, 2009.
57. Martin KD, Belmont PJ, Todd MS, **Owens BD**. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
58. **Owens BD**, Duffey ML, DeBerardino TM, Cameron KL. Physical Examination Findings in Young Athletes Correlate with History of Shoulder Instability. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
59. Goodman G, Belmont PJ, Waterman B, DeZee K, Burks R, **Owens BD**. Disease and Non-Battle Injuries Sustained by a U.S. Army Brigade Combat Team During Operation Iraqi Freedom. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
60. Huh J, Posner M, Bear R, Banerjee R, **Owens BD**, Hsu JR. Early Performance Of Military Tasks After Clavicle Plating. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
61. Waterman BR, Belmont PJ, Cameron KL, **Owens BD**. Epidemiology of Syndesmotic and Medial Ankle Sprains during Intercollegiate Athletics at the United States Military Academy. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
62. Ochoa L, Carr BJ, Rankin D, **Owens BD**. Biologic Response to Newly Developed Orthopaedic Sutures: Histologic Study in the Rabbit Model. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
63. Scher DL, Belmont PJ, Mountcastle SB, Bear R, Orr J, **Owens BD**. The Incidence of Plantar Fasciitis in the United States Military Servicemembers. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December, 2009.
64. **Owens BD**, Duffey ML, DeBerardino TM, Cameron KL. Physical Examination Findings in Young Athletes Correlate with History of Shoulder Instability. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 2010.
65. Belmont PJ, Goodman G, Waterman B, DeZee K, Burks R, **Owens BD**. Disease and Non-Battle Injuries Sustained by a U.S. Army Brigade Combat Team During Operation Iraqi Freedom. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 2010.
66. Martin KD, Belmont PJ, Todd MS, **Owens BD**. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing. Presented

at American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 2010.

67. Knox JB, Orchowksi J, **Owens BD**, Scher DL, Burks R, Belmont PJ. Incidence and Risk Factors for Low Back Pain in Active Duty Military over a 10 year period. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 2010.

68. Waterman B, Davey S, Belmont PJ, **Owens BD**. Incidence of Ankle Sprain in the United States. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March, 2010.

69. **Owens BD**, Duffey ML, DeBerardino TM, Cameron KL. Physical Examination Findings in Young Athletes Correlate with History of Shoulder Instability. American Orthopaedic Society for Sports Medicine Specialty Day, New Orleans, LA, March, 2010.

70. Belmont, PJ, Waterman B, Goodman GP, DeZee K, Burks R, **Owens BD**. Disease and Non-Battle Injuries During Operation Iraqi Freedom. Presented at the Mid-America Orthopaedic Association Annual Meeting, Austin, TX, April, 2010.

71. Posner MA, Belmont PJ, Wolf JM, **Owens BD**. Epidemiology of Major League Baseball Injuries. Presented at the Mid-America Orthopaedic Association Annual Meeting, Austin, TX, April, 2010.

72. **Owens BD**, Martin KD, Belmont PJ, Todd MS. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing. Presented at American Orthopaedic Society for Sport Medicine, Providence, RI, July, 2010.

73. Posner MA, Belmont PJ, Wolf JM, **Owens BD**. Epidemiology of Major League Baseball Injuries. Presented at American Orthopaedic Society for Sport Medicine, Providence, RI, July, 2010.

74. Masini BD, **Owens BD**, Wenke JC, Hsu JR. Combat Extremity Trauma: Resource Utilization Beyond Initial Hospitalization. Advanced Technology Applications for Combat Casualty Care, St. Pete's Beach, FL, August, 2010.

75. Waterman BR, Sieg R, Belmont PJ, **Owens BD**. Patellar Instability in the United States Population. Presented at the Western Orthopaedic Association, Monterrey, CA, August, 2010.

76. Sieg R, Garcia EJ, Schoenfeld AJ, Belmont PJ, **Owens BD**. Effects of Supplemental Oxygen and Hyperbaric Oxygen on Tendon Healing in a Rat Model. Presented at the Western Orthopaedic Association, Monterrey, CA, August, 2010.

77. Masini BD, **Owens BD**, Wenke JC, Hsu JR. Combat Extremity Trauma: Resource Utilization Beyond Initial Hospitalization. Presented at Orthopaedic Trauma Association, Baltimore, MD, October, 2010.

78. Cameron KL, Burks R, Hsaio MS, **Owens BD**, Svoboda SJ. Incidence Of Osteoarthritis And Related Conditions Among Active Duty U.S. Military

Service Members. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

79. Knox J, Belmont PJ, Burks R, Orchowski JR, **Owens BD**, Scher D. Occupational Driving As A Risk Factor For Low Back Pain In Active Duty Military Servicemembers. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

80. Masini BD, Hsu JR, **Owens BD**, Wenke JC. Rehospitalization After Combat Injury. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

81. Svoboda SJ, Cameron KL, Harvey T, **Owens BD**. Changes In Serum Biomarkers Of Cartilage Turnover Following ACL Reconstruction. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

82. Waterman BR, Belmont PJ, **Owens BD**. Patellar Dislocation In The United States: Role Of Age, Sex, Race, And Athletic Participation. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

83. Waterman BR, Machen SM, **Owens BD**, Shortt MD, Todd MS. The Efficacy Of Combined Cryotherapy And Compression Compared To Cryotherapy Alone Following Anterior Cruciate Ligament Reconstruction. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

84. Sieg R, **Owens BD**, Schoenfeld AJ. Effects of Supplemental Oxygen and Hyperbaric Oxygen on Tendon Healing in a Rat Model. Presented at Society of Military Orthopaedic Surgeons, Vail, CO, December, 2010.

85. Belmont PJ, Thomas D, Goodman GP, Schoenfeld AJ, Zacchilli M, Burks R, **Owens BD**. Combat Musculoskeletal Wounds in a U.S. Army Brigade Combat Team During Operation Iraqi Freedom. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February, 2011.

86. Pallis M, Cameron KL, Svoboda SJ, **Owens BD**. Survival Comparison of Allograft and Autograft ACL Reconstruction at the US Military Academy. Presented at American Orthopaedic Society for Sport Medicine, San Diego, CA, July, 2011.

87. Waterman BR, Hsiao MS, Langston JR, **Owens BD**. Burden Of Superior Labrum Anterior Posterior Lesions In The United States Military. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.

88. **Owens BD**, Cameron KL, Duffey MJ, Duffey ML, Mountcastle SB, Padua DA, Nelson BJ. Military Movement Training Program Improves Jump Landing Mechanics Associated With ACL Injury Risk. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.

89. Zacchilli MA, Garcia EJ, Kilcoyne KG, **Owens BD**. Anterior Cruciate Ligament Reconstructions in the U.S. Military: A Retrospective Analysis. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.

90. Waterman BR, Cameron KL, Laughlin MD, **Owens BD**. Surgical Outcomes of Chronic Exertional Compartment Syndrome Of The Leg In An Active Population. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.
91. Martin KD, Belmont PJ, Schoenfeld AJ, **Owens BD**. Arthroscopic Basic Task Performance In Shoulder Simulator Model Correlates With Clinical Arthroscopy Experience. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.
92. Cameron KL, DeBerardino TM, Duffey ML, Mountcastle SB, Nelson BJ, Svoboda SJ, **Owens BD**. History of Shoulder Instability and Subsequent Injury during Four Years of Follow-up: A Survival Analysis. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.
93. Waterman BR, Burns TC, Cameron KL, Kilcoyne KG, McCriskin B, **Owens BD**. Outcomes After Bankart Repair In A Military Population: Predictors For Surgical Revision And Long-Term Disability. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December, 2011.
94. **Owens BD**, Mountcastle SB, Nelson BJ, DeBerardino TM, Duffey ML, Svoboda SJ, Cameron KL. History of Shoulder Instability and Subsequent Injury during Four Years of Follow-up: A Survival Analysis. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February, 2012.
95. Waterman BR, Burns TC, Cameron KL, Kilcoyne KG, McCriskin B, **Owens BD**. Outcomes After Bankart Repair in a Military Population: Predictors for Surgical Revision and Long-Term Disability. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February, 2012.
96. Waterman BR, Laughlin M, Kilcoyne K, Cameron KL, **Owens BD**. Treatment of Chronic Exertional Compartment Syndrome of the Leg: Surgical Failure Rates and Postoperative Disability in an Active Patient Population. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February, 2012.
97. Zacchilli MA, Garcia EJ, Kilcoyne KG, **Owens BD**. Anterior Cruciate Ligament Reconstruction in the U.S. Military: A Retrospective Case Series. Presented at Mid-America Orthopaedic Association, Bonita Springs, FL, April, 2012.
98. Martin KD, Belmont PJ, Schoenfeld AJ, **Owens BD**. Arthroscopic Basic Task Performance In Shoulder Simulator Model Correlates With Clinical Arthroscopy Experience. Presented at Arthroscopy Association North America Annual Meeting, Orlando, FL, May, 2012.
99. Cameron KL, **Owens BD**, Harvey TM, Tarwater PM, Brechue WF, Svoboda SJ. AOSSM Scientific Exchange Lecture: The association between serum biomarkers of cartilage turnover prior to injury and subsequent anterior cruciate ligament rupture. Presented at the National Athletic Trainers' Association Annual Meeting, St Louis, MO, June, 2012.

100. Kilcoyne KG, Dickens J, Svoboda SJ, **Owens BD**, Sullivan RT, Rue JP. Concussion Rates for Three Division I Football Programs for Two Consecutive Seasons: A Service Academy Review. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July, 2012.
101. **Owens BD**, Campbell S, Cameron KL. Risk Factors for Posterior Glenohumeral Instability. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July, 2012.
102. Svoboda SJ, **Owens BD**, Harvey TM, Tarwater PM, Brechue WF, Cameron KL. The Association between Serum Biomarkers of Cartilage Turnover Prior to Injury and Subsequent Anterior Cruciate Ligament Rupture. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July, 2012.
103. Campbell SE, Dewitt RM, **Owens BD**, Thompson, AK, Cameron KL. Prevalence of common shoulder pathology on MRI in a young and healthy, athletic population. Radiological Society of North America Annual Meeting, Chicago, IL, November, 2012.
104. Campbell SE, Dewitt RM, **Owens BD**, Thompson, AK, Cameron KL. Posterior chondrolabral cleft: association with labral and glenoid variants and clinical significance. Radiological Society of North America Annual Meeting, Chicago, IL, November, 2012.
105. **Owens BD**, Campbell S, Cameron KL. Risk Factors for Posterior Glenohumeral Instability. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Naples, FL, December, 2012.
106. **Owens BD**, Burns TC, Campbell SE, Svoboda SJ, Cameron KL. Simple Method of Glenoid Bone Loss Calculation Using Ipsilateral MRI. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Naples, FL, December, 2012.
107. Posner M, **Owens BD**, Svoboda SJ, Cameron KL, Roach C, Johnson P, Masciello N, Floersheim B. A Biomechanical Comparison Of Pull-Out Strength By Bone Block Length Using Interference Screw Fixation In A Porcine ACL Model. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Naples, FL, December, 2012.
108. Giles JW, Owens BD, Johnson JA, Athwal GS. A Formula for Predicting Anterior Glenoid Bone Loss Due to Instability. Presented at Orthopaedic Research Society Annual Meeting, San Antonio, TX, February, 2013.
109. **Owens BD**, Burns TC, Campbell SE, Svoboda SJ, Cameron KL. Simple Method of Glenoid Bone Loss Calculation Using Ipsilateral MRI. Presented at American Academy of Orthopaedic Surgery Annual Meeting, Chicago, IL, March, 2013.
110. Li X, Zhou H, Fallon J, Egge N, Patel K, Curry EJ, **Owens BD**, Busconi BD. MRI Study of Associated Shoulder Pathology in Patients with Full-thickness Subscapularis Tendon Tears. Presented at the International Congress of Shoulder and Elbow Surgery, Japan, April, 2013.



111. Waterman BR, Hsiao MS, Cameron KL, Langston JR, **Owens BD**. Burden of Superior Labrum Anterior Posterior Lesions In The United States Military. Presented at Arthroscopy Association of North America Annual Meeting, San Antonio, TX, April, 2013.

112. Cameron KL, Campbell SE, Peck KY, Westrick RB, **Owens BD**. Extreme glenoid retroversion is associated with increased rotator cuff strength in the shoulder. Presented at the American College of Sports Medicine Annual Meeting, May, 2013, Indianapolis, IN.

113. Cameron KL, Peck KY, **Owens BD**, Svoboda SJ, Padua DA, DiStefano LJ, Beutler AI, Marshall SW. Biomechanical Risk Factors for Lower Extremity Stress Fracture Injury in Female Military Cadets. Presented at National Athletic Trainers' Association Annual Meeting, Las Vegas, NV, June, 2013.

114. **Owens BD**, Campbell SE, Peck KY, Westrick RB, Cameron KL. Excessive glenoid retroversion is associated with increased rotator cuff strength in the shoulder. Presented at the National Athletic Trainers' Association Annual Meeting, June, 2013, Las Vegas, NV.

115. **Owens BD**, Campbell S, Cameron KL. Risk Factors for Anterior Glenohumeral Instability. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Chicago, IL, July, 2013.

116. Cameron KL, Peck KY, **Owens BD**, Svoboda SJ, Padua DA, DiStefano LJ, Beutler AI, Marshall SW. Biomechanical Risk Factors for Lower Extremity Stress Fracture Injury in Female Military Cadets. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Chicago, IL, July, 2013.

117. **Owens BD**, Campbell S, Cameron KL. Risk Factors for Anterior Glenohumeral Instability. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.

118. Svoboda SJ, Cameron KL, Peck KY, DeBerardino TM, Nelson BJ, Taylor DC, **Owens BD**. A Randomized Controlled Trial Comparing Arthroscopic and Open Bankart Repair for Anterior Shoulder Dislocations. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.

119. Dickens JF, **Owens BD**, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Rue JP, Cameron KL, Sullivan RT. Return to Play and Outcomes Following In-Season Shoulder Instability: A Prospective Multicenter Service Academy Study. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.

120. **Owens BD**, Cameron KL, Peck KY, DeBerardino TM, Nelson BJ, Taylor DC, Tenuta JJ, Svoboda SJ. Arthroscopic Versus Open Stabilization for Anterior Shoulder Subluxations. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.

121. Flint JH, Pickett A, **Owens BD**, Svoboda SJ, Peck KY, Biery J, Rue JP. Survivability of Surgical Repair & Recurrence of Shoulder Instability in a Young, Active Population. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.

122. Cameron KL, Peck KY, **Owens BD**, Svoboda SJ, Padua DA, DiStefano LJ, Beutler AI, Marshall SW. Utility of The Landing Error Scoring System (LESS) In Screening For Lower Extremity Stress Fracture Risk. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.
123. Lanzi JT, Felix J, Rogers J, Tucker CJ, Cameron KL, **Owens BD**, Svoboda SJ. A Biomechanical Comparison of Transosseous Versus Anchor Technique For Patellar Tendon Repair. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.
124. Tucker CJ, Kilcoyne KG, Cameron KL, Waterman BR, **Owens BD**. Surgical Treatment of Posterior Cruciate Ligament Tears: Postoperative Disability and Failure Rates in an Active Patient Population. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.
125. Roach CJ, Cameron KL, Haley CA, Pallis M, Svoboda SJ, **Owens BD**. The Epidemiology of Medial Collateral Ligament Sprains in Young Athletes. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.
126. Svoboda SJ, Thompson B, Peck KY, **Owens BD**, Cameron KL. Optimizing Patient Reported Outcomes Measurement Sig a Systems Decision Process: A Novel Approach. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December, 2013.
127. Svoboda SJ, Cameron KL, Peck KY, DeBerardino TM, Nelson BJ, Taylor DC, **Owens BD**. A Randomized Controlled Trial Comparing Arthroscopic and Open Bankart Repair for Anterior Shoulder Dislocations. Presented at American Academy of Orthopaedic Surgery Annual Meeting, New Orleans, LA, March, 2014.
128. Martin KD, Waterman B, Cameron KL, **Owens BD**, Belmont PJ. Simulation Training Decreases Surgical Errors During Diagnostic Shoulder Arthroscopy by Residents in Training. Presented at American Academy of Orthopaedic Surgery Annual Meeting, New Orleans, LA, March, 2014.
129. Pickett A, Flint JH, **Owens BD**, Svoboda SJ, Peck KY, Biery J, Rue JP. Survivability of Surgical Repair & Recurrence of Shoulder Instability in a Young, Active Population. Presented at Maryland Orthopaedic Association Annual Meeting, Baltimore, MD, April, 2014.
130. Flint JH, Pickett A, **Owens BD**, Svoboda SJ, Peck KY, Biery J, Rue JP. Survivability of Surgical Repair & Recurrence of Shoulder Instability in a Young, Active Population. Presented at Southern Orthopaedic Association Annual Meeting, Amelia Island, FL April, 2014.
131. Tucker CJ, Kilcoyne KG, Cameron KL, Waterman BR, **Owens BD**. Surgical Treatment of Posterior Cruciate Ligament Tears: Postoperative Disability and Failure Rates in an Active Patient Population. Presented at Arthroscopy Association of North American Annual Meeting, Hollywood, FL, May, 2014.
132. Martin KD, Waterman B, Cameron KL, **Owens BD**, Belmont PJ. Simulation Training Decreases Surgical Errors During Diagnostic Shoulder

Arthroscopy by Residents in Training. Presented at Arthroscopy Association of North American Annual Meeting, Hollywood, FL, May, 2014.

133. Dickens JF, **Owens BD**, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Rue JP, Cameron KL, Sullivan RT. Return to Play and Outcomes Following In-Season Shoulder Instability: A Prospective Multicenter Service Academy Study. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA, July, 2014.

134. Cameron KL, Peck KY, **Owens BD**, Svoboda SJ, Padua DA, DiStefano LJ, Beutler AI, Marshall SW. Landing Error Scoring System (LESS) Items are Associated with the Incidence Rate of Lower Extremity Stress Fracture. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA, July, 2014.

135. Flint J, Pickett A, **Owens BD**, Svoboda S, Peck K, Cameron K, Biery J, Giuliani J, Rue JP. Survivability of Surgical Repair and Recurrence of Shoulder Instability in a Young, Active Population. Presented at Southern Orthopaedic Association Annual Meeting, Beaver Creek, CO, July, 2014.

136. Dickens JF, **Owens BD**, Cameron KL, DeBerardino TM, Masini BD, Peck KY, Svoboda SJ. Return to Intercollegiate Football Following Arthroscopic Anterior Stabilization. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

137. Dickens JF, Felix J, Griffin L, Haley CA, **Owens BD**, Cameron KL, Svoboda SJ. The West Point Knot: A Comparison to Conventional Arthroscopic Knots. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

138. Dunn J, Waterman BR, Lanzi JT, Martin KD, Cameron KL, **Owens BD**, Belmont PJ. Arthroscopic Shoulder Simulator Training During Graduate Medical Education: Are Relative Performance Improvements Maintained at 1 Year Follow-Up. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

139. Chan AG, Cameron KL, Haley CA, Svoboda SJ, **Owens BD**. Pectoralis Major Rupture in Young Collegiate Athletes. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

140. Masini BM, Dickens JF, Tucker CJ, Cameron KL, Svoboda SJ, **Owens BD**. Epidemiology of Isolated Meniscus Tears in Young Athletes. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

141. Rensing N, Waterman BR, Cameron KL, **Owens BD**, Pallis MP. Survivorship of Meniscal Allograft Transplantation in a High-Demand Patient Population. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

142. Jones PE, Tanyi K, Cameron KL, **Owens BD**, Nesti L. Epidemiology of ligamentous wrist injuries at the United States Military Academy. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014.

143. Dickens JF, Rue JP, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Cameron KL, Sullivan RT, **Owens BD**. Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, July, 2015.
144. Athwal GS, **Owens BD**, Giles J. Estimating Glenoid Width for Instability Related Bone Loss: CT Evaluation of an MRI Formula. European Shoulder and Elbow Society, Milan, Italy, September, 2015.
145. Dickens JF, Rue JP, Cameron KL, Kilcoyne KG, Allred CD, Svoboda SJ, Sullivan RT, Tokish JM, Peck KY, **Owens BD**. Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Service Academy Study. Society of Military Orthopaedic Surgeons Annual Meeting, St. Petersburg, FL, December, 2015.
146. Collier MA, Patzkowski JC, Garcia EJ, Yoon A, Raimondi V, **Owens BD**, Posner MA. Comparison Of Tibial Bone Block Lengths In A Porcine ACL Reconstruction Model. Society of Military Orthopaedic Surgeons Annual Meeting, St. Petersburg, FL, December, 2015.
147. Lanzi JT, Chandler PJ, Cameron KL, **Owens BD**. Epidemiology Of Posterior Shoulder Instability In Young Athletes. Society of Military Orthopaedic Surgeons Annual Meeting, St. Petersburg, FL, December, 2015.
148. **Owens BD**, Dickens JF, Rue JP, Allred D, Svoboda SJ, Kilcoyne KG, Tokish JM, Cameron KL, Sullivan RT. Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study. Presented at Herodicus Society Annual Meeting, Colorado Springs, CO, July, 2016.
149. Cameron KL, Trump JR, Wickiser JK, **Owens BD**, Svoboda SJ. Acute Changes in Serum Biomarkers of Collagen Turnover and Metabolism Following Anterior Cruciate Ligament Injury. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Tahoe, CA, December, 2016.
150. Rue JP, Dickens JF, Cameron KL, Kilcoyne K, Allred D, Svoboda SJ, Sullivan R, Tokish JM, Peck KY, **Owens BD**. Improved Return To Play In Intercollegiate Contact Athletes Following Arthroscopic Stabilization For Anterior Shoulder Instability: A Prospective Multicenter Study. Presented at 11<sup>th</sup> Biennial ISAKOS Congress, Shanghai, China, June, 2017.
151. **MARS Group**. Meniscus Repair Outcomes in ACL Revision Reconstruction. Presented at American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, CA, July, 2017.
152. Gil JA, Goodman A, DeFroda S, **Owens BD**. Characteristics of Operative Shoulder Injuries in the National Collegiate Athletic Association. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.

153. Tucker CJ, Cotter E, Waterman BR, Cameron KL, Kilcoyne KG, **Owens BD**. Posterior Cruciate Ligament Reconstructions: Postoperative Disability in an Active Patient Population. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.
154. Irrgang JJ, **STaR Trial Group**. Mechanism, Presentation, Injury Pattern, and Associated Injuries for Multiple Ligament Knee Injuries (MLKIs): A Multicenter Study from the Surgical Timing and Rehabilitation Trial for MLKIs Network. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.
155. Nacca C, Gil J, Babida R, Crisco JJ, **Owens BD**. Critical Glenoid Bone Loss in Posterior Shoulder Instability. Presented at Arthroscopy Association of North America, Chicago, IL, April, 2018.
156. Babu J, Hodax J, Fadale P, **Owens BD**. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. New England Orthopedic Society, Harwich, MA, June, 2018.
157. Dickens JF, Slaven SE, Cameron KL, Pickett AM, Posner M, Campbell SE, **Owens BD**. Prospective Evaluation of Glenoid Bone Loss After First-Time and Recurrent Anterior Glenohumeral Instability Events. Presented at Herodius Annual Meeting, San Diego, CA, July, 2018.
158. Dickens JF, Slaven SE, Cameron KL, Pickett AM, Posner M, Campbell SE, **Owens BD**. Prospective Evaluation of Glenoid Bone Loss After First-Time and Recurrent Anterior Glenohumeral Instability Events. Presented at AOSSM Annual Meeting, San Diego, CA, July, 2018.
159. Dickens JF, Slaven SE, Cameron KL, Pickett AM, Posner MA, Campbell S, **Owens BD**. Prospective Evaluation Of Glenoid Bone Loss After First-Time And Recurrent Anterior Glenohumeral Instability Events. Presented at the American Shoulder and Elbow Surgeons Annual Meeting, Chicago, IL, October, 2018.
160. Twomey-Kozak JN, Desai S, Adler C, **Owens BD**, Ehrlich MG, Jayasuriya CT. Transient DLX5 Knockdown Attenuates Hypertrophy and Maintains a Chondrogenic State for Therapeutic Reprogramming of BM-MSCs for Cartilage and Meniscus Repair. Presented at the Orthopedic Research Society Annual Meeting, Austin, TX, February, 2019.
161. Lemme NJ, Li NY, Tan S, Yang J, **Owens BD**. Epidemiology and Video Analysis of Achilles Tendon Ruptures in the National Basketball Association 1969-2018. Presented at the American Academy of Orthopedic Surgery Annual Meeting, Las Vegas, NV, March, 2019.
162. Babu J, Hodax J, Fadale P, **Owens BD**. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. Presented at the Arthroscopy Association of North America Annual Meeting, Orlando, FL, May, 2019.
163. Dickens JF, Slaven SE, Cameron KL, Pickett AM, Posner MA, Campbell S, **Owens BD**. Prospective Evaluation Of Glenoid Bone Loss After First-Time And Recurrent Anterior Glenohumeral Instability Events. Presented at the

International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine 12<sup>th</sup> Biennial Congress, Cancun, Mexico, May, 2019.

164. Bokshan S, DeFroda S, Crisco J, Gil JA, **Owens BD**. The 6 O'Clock Anchor Increases Labral Repair Strength in a Biomechanical Shoulder Instability Model. Presented at AOSSM Annual Meeting, Boston, MA, July, 2019.

165. Babu J, Hodax J, Fadale P, **Owens BD**. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. Presented at AOSSM Annual Meeting, Boston, MA, July, 2019.

166. Desai S, Twomey-Kozak J, Newberry J, Li N, **Owens BD**, Jayasuriya CT. Paper Title: Stable Cartilage Progenitor Cell Line Stimulates Healing Of Meniscus Injury In The Rat Knee. Presented at Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ, February, 2020.

167. Towmey-Kozak J, Desai S, Liu W, Li N, Lemme N, Chen Q, **Owens BD**, Jayasuriya CT. DLX5 Is A Therapeutic Target For Attenuating Hypertrophy And Apoptosis In Mesenchymal Progenitor Cells. Presented at Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ, February, 2020.

## **POSTER PRESENTATIONS**

1. **Owens BD**, Islinger RB, Kuklo TR, Horan PJ, Choma TJ, Temple HT. Langerhans Cell Histiocytosis Presenting in Patients over 21 Years Old: A Review of Cases at the Armed Forces Institute of Pathology. American Academy of Orthopaedic Surgeons, Anaheim, CA, February, 1999.

2. Klemme WR, **Owens BD**, Polly DW, Zeidman SM. Lumbar Sagittal Contour Following Interbody Fusion: Threaded Devices Alone Versus Cages Plus Posterior Instrumentation. Scoliosis Research Society, San Diego, CA, September, 1999.

3. **Owens BD**, Kuklo TR, Polly DW, Zeidman SM, Chang AS, Klemme WR. Measurement of Thoracolumbar Fracture Kyphosis: Evaluation of Intraobserver, Interobserver, and Technique Variability. American Orthopaedic Association Resident's Conference, St. Louis, MO, February, 2000.

4. **Owens BD**, Stickles BJ, Busconi BD. Arthroscopy for Hip Dislocation and Fracture-Dislocation. American Orthopaedic Association Resident's Conference, St. Louis, MO, February, 2000.

5. **Owens BD**, Stickles BJ, Busconi BD. Arthroscopy for Hip Dislocation and Fracture-Dislocation. American Academy of Orthopaedic Surgeons, San Francisco, CA, March, 2001.

6. Stickles BJ, Phillips L, **Owens BD**, Anderson F, Lieberman J. Patient Satisfaction After Total Hip Arthroplasty and Delta Scores: A New Relationship. American Academy of Orthopaedic Surgeons, San Francisco, CA, March, 2001.

7. Stickles BJ, Phillips L, **Owens BD**, Brox WT, Lanzer W. Defining the Relationship Between Obesity and Total Joint Arthroplasty. American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2001.

8. **Owens BD**, Stickles BJ, Balikian P, Busconi BD. Prospective Analysis of Radiofrequency Versus Mechanical Debridement of Isolated Patellar Chondral Lesions. Arthroscopy Association of North America, Seattle, WA, April 2001.
9. **Owens BD**, Stickles BJ, Balikian P, Busconi BD. Prospective Analysis of Radiofrequency Versus Mechanical Debridement of Isolated Patellar Chondral Lesions. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, Montreux, Switzerland, May 2001.
10. Shawen SB, **Owens BD**, Belmont PJ, Kuklo TR, Polly DW. Hemimetameric Segmental Displacement: Case Series and Review. International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas, July 2001.
11. Shawen SB, **Owens BD**, Belmont PJ, Kuklo TR, Polly DW. Hemimetameric Segmental Displacement: Case Series and Review. Scoliosis Research Society, Cleveland, OH, September 2001.
12. Shawen SB, **Owens BD**, Belmont PJ, Kuklo TR, Polly DW. Hemimetameric Segmental Displacement: Case Series and Review. Society of Military Orthopaedic Surgeons, Vail, CO, December 2001.
13. Shawen SB, Belmont PJ, Taylor KF, Kruse R, **Owens BD**, Kuklo TR, Polly DW. Hemimetameric Segmental Displacement: Case Series and Review. American Academy of Orthopaedic Surgeons, Dallas TX, February 2002.
14. Wenke J, **Owens BD**, Melvin ML, Gooden HA, Hollinger JO. Development of a Bone Segmental Defect Model in the Rabbit. Advanced Technology Applications for Combat Casualty Care, St. Pete's Beach, FL, August 2005.
15. **Owens BD**, Duffey ML, Nelson BJ, DeBerardino TM, Mountcastle SB. The Epidemiology of Shoulder Instability: A Prospective Cohort at the US Military Academy. Society of Military Orthopaedic Surgeons, Kissimmee, FL, 2005.
16. **Owens BD**, Nelson BJ, Duffey ML, Mountcastle SB, DeBerardino TM. Pathoanatomy of Associated with Subluxations of the Shoulder Physical Examination, Magnetic Resonance Imaging, and Arthroscopic Findings in First-time, Traumatic Anterior Subluxations. Society of Military Orthopaedic Surgeons, Kissimmee, FL, 2005.
17. **Owens BD**, Mountcastle SB, White DW. Incidence of Lower Extremity Major Tendon Rupture Among Black and White in the US Service Members. American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.
18. **Owens BD**, Nelson BJ, Duffey ML, Mountcastle SB, Campbell SE, DeBerardino TM. Pathoanatomy of Associated with Subluxations of the Shoulder Physical Examination, Magnetic Resonance Imaging, and Arthroscopic Findings in First-time, Traumatic Anterior Subluxations. Arthroscopy Association of North America, Hollywood, FL, May 2006.
19. Branstetter J, **Owens BD**, White DW, Wenke JC. Comparison of Irrigation Solutions in a Chronic Contaminated Wound Model. Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2006.
20. Branstetter J, **Owens BD**, White DW, Wenke JC. Comparison of Pulse Lavage Versus Bulb Syringe Irrigation in a Chronic Contaminated Wound

Model. Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2006.

21. Ross AE, **Owens BD**, Jordan C, DeBerardino TM. The Epidemiology of Ankle Sprains in West Point Cadets. Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2006.

22. Ross AE, **Owens BD**, Jordan C, DeBerardino TM. Superomedial Scapula Resection for the Treatment of Snapping Scapula. Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2006.

23. Svoboda SJ, **Owens BD**, Gooden HA, Melvin ML, Baer DG, Wenke JC. Irrigation with Potable Water Versus Normal Saline in a Contaminated Wound Model. Orthopaedic Research Society, San Diego, February 2007.

24. Lalliss SJ, Branstetter JG, **Owens BD**, Wenke JC. Comparison of High Pressure Parallel Flow Versus Bulb Syringe Irrigation in a Chronic Contaminated Musculoskeletal Wound Model. American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.

25. Nelson BJ, **Owens BD**, Duffey ML, Mountcastle B, Taylor DC, DeBerardino TM. Pathoanatomy of Associated with Subluxations of the Shoulder Physical Examination, Magnetic Resonance Imaging, and Arthroscopic Findings in First-time, Traumatic Anterior Subluxations. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine, May 2007.

26. Wolf JM, Dawson L, Mountcastle SB, **Owens, BD**. Incidence of Scaphoid Fracture in a Military Population. Orthopaedic Trauma Association, Denver, CO, October 2008.

27. Masini BD, Waterman S, Wenke JC, **Owens BD**, Hsu J, Ficke J. Resource Utilization and Disability Outcomes Assessment of Combat Casualties from Operation Iraqi Freedom and Operation Enduring Freedom. Orthopaedic Trauma Association, Denver, CO, October 2008.

28. Fowler J, Posner M, **Owens BD**. Abdominal Compartment Syndrome Following Hip Arthroscopy for Femoroacetabular Impingement: A Case Report. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December 2008.

29. Zacchilli M, Jobe JT, **Owens BD**. Alpine Skiing and Snowboarding Injuries in the United States. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December 2008.

30. Carr BJ, Ochoa L, Rankin D, **Owens BD**. Biologic Response to Newly Developed Orthopaedic Sutures: Histologic Study in the Rabbit Model. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December 2008.

31. Nuzzo MS, Posner M, Warme WJ, Medina F, Wicker R, **Owens BD**. Pull-out and Compression Strengths of Bioabsorbable Nails and Bioabsorbable Screws in the Fixation of Osteochondral Dissecans Lesions of the Knee. Society of Military Orthopaedic Surgeons, Las Vegas, NV, December 2008.

32. Masini BD, Waterman S, Wenke JC, **Owens BD**, Hsu J, Ficke J. Resource Utilization and Disability Outcomes Assessment of Combat Casualties from



Operation Iraqi Freedom and Operation Enduring Freedom. American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

33. Waterman B, Belmont PJ, Cameron KL, DeBerardino TM, **Owens BD**. Incidence and Risk Factors for Ankle Sprain at the United States Military Academy. American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

34. Duffey ML, Cameron KL, DeBerardino TM, Stoneman PD, Jones CJ, **Owens BD**. Relative Isometric Shoulder Strength Norms in Young, Active Males and Females. American College of Sports Medicine Annual Meeting, Seattle, WA, May 2009.

35. Wolf JM, Athwal GS, Hoang BH, Mehta S, Williams A, **Owens BD**. Knowledge of levels of evidence criteria in orthopaedic residents. Special Emphasis Poster. Presented at the American Orthopaedic Association Annual Meeting, Bonita Springs, FL, June 2009.

36. Cameron KL, Duffey ML, DeBerardino TM, Stoneman PD, Jones CJ, **Owens BD**. Increased Generalized Joint Hypermobility Is Related to History of Glenohumeral Joint Instability. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, CO, July 2009.

37. Scher DL, Belmont PJ, Mountcastle SB, **Owens BD**. Incidence of Primary Hip Osteoarthritis in Active Duty US Military Servicemembers. Southern Orthopaedics Association Annual Meeting, Amelia Island, FL, July 2009.

38. Knox JB, Orchowski J, Belmont PJ, Scher DL, Burks R, **Owens BD**. Incidence and Risk Factors for Low Back Pain in Active Duty Military over a 10 year period. Presented at the North American Spine Society Annual Meeting, San Francisco, CA, November 2009.

39. Knox J, Orchowski J, Belmont PJ, Scher D, Burks R, **Owens BD**. The Incidence of Low Back Pain in Active Duty United States Military Servicemembers. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.

40. Goodman GP, Belmont PJ, Zacchilli M, Posner M, Evans C, **Owens BD**. Incidence and Epidemiology of Combat Injuries Sustained During “The Surge” Portion of Operation Iraqi Freedom by a U.S. Army Brigade Combat Team. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.

41. Blank E, Lappan C, Belmont PJ, Machen MS, Ficke J, Pope R, **Owens BD**. Early Analysis of the United States Army’s Telemedicine Orthopaedic Consultation Program. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.

42. Carey PA, **Owens BD**. Anatomic Study of The Pectoralis Major Footprint. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.

43. Scher DL, Belmont PJ, **Owens BD**. Osteonecrosis of the Femoral Head Following Hip Arthroscopy. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.

44. Haley CA, Pallis M, Cameron KL, Svoboda SJ, **Owens BD**. The Epidemiology of Medial Collateral Ligament Sprains At The United States Military Academy. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
45. Pallis M, Haley CA, Pallis M, Cameron KL, Svoboda SJ, **Owens BD**. Epidemiology Of Acromioclavicular Joint Sprains. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
46. Hsiao MS, Cameron KL, Sturdivant RX, **Owens BD**. Incidence Of Patellar Dislocations Among Active Duty U.S. Military Servicemen And Servicewomen. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
47. Zacchilli MA, **Owens BD**. Floating Posterior Inferior Glenohumeral Ligament. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
48. Blank E, Belmont PJ, Burks R, **Owens BD**. The Incidence Of Greater Trochanteric Pain Syndrome In Active Duty United States Military Servicemembers. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
49. Posner M, Wolf JM, Belmont PJ, **Owens BD**. Epidemiology of Major League Baseball Injuries. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
50. Scher D, Belmont PJ, **Owens BD**. Osteonecrosis Of The Femoral Head Following Hip Arthroscopy. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
51. Thomas D, **Owens BD**. Hook Retraction for Scapulothoracic Arthroscopy. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
52. Waterman BR, Davies S, Belmont PJ, **Owens BD**. Ankle Sprain in the United States Population. Presented at Society of Military Orthopaedic Surgeons, Honolulu, HI, December 2009.
53. Martin KD, Belmont PJ, Todd MS, **Owens BD**. Arthroscopic Shoulder Simulator Performance Correlates with Arthroscopic Cadaver Testing. Presented at Orthopaedic Research Society Annual Meeting, New Orleans, LA, March 2010.
54. Vantassel D, Wolf JM, Williams A, **Owens BD**. Incidence of Scaphoid Fracture in the United States Population. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March 2010.
55. Posner M, Wolf JM, Belmont PJ, **Owens BD**. Epidemiology of Major League Baseball Injuries. Presented at American Academy of Orthopaedic Surgeons, New Orleans, LA, March 2010.

56. Vairo GL, Duffey ML, Cameron KL, **Owens BD**. Shoulder Range of Motion Norms within a Young and Physically Active Cohort. Presented at American College of Sports Medicine, Baltimore, MD, June 2010.
57. Waterman BR, Sieg R, **Owens BD**, Davey S, Zacchilli MA, Belmont PJ. Ankle Sprain in the United States Population. Presented at the Western Orthopaedic Association, Monterrey, CA, August 2010.
58. Stoneback J, Sykes JB, Athwal G, **Owens BD**, Wolf JM. Incidence of Elbow Dislocations in the United States Population. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 2011.
59. Goodman GP, Schoenfeld, AJ, Dutton JR, Burks R, **Owens BD**, Belmont PJ. Characterization of Orthopaedic Surgeries Upon Completion of a Combat Deployment. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 2011.
60. Waterman B, Walker JJ, Todd MS, Swaims WC, Shortt M, Machen MS, **Owens BD**. The Efficacy of Compressive Cryotherapy Versus Cryotherapy Alone Following ACL Reconstruction. Presented at American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 2011.
61. Waterman B, Belmont PJ, **Owens BD**. Patella Dislocation in the United States: Role of Age, Sex, Race and Athletic Participation. Presented at Mid-America Orthopaedic Association Annual Meeting, Tuscon, AZ, April 2011.
62. Svoboda SJ, Brechue W, Harvey T, **Owens BD**, Cameron KL. Changes In Serum Biomarkers Of Cartilage Turnover Following ACL Reconstruction. Presented at American Orthopaedic Society for Sports Medicine, San Diego, CA, July 2011.
63. Scher D, **Owens BD**, Belmont PJ. Normative Short Form-36 Values in United States Army Soldiers Differ from Values in the General Population. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December 2011.
64. Kilcoyne KG, Dickens JF, **Owens BD**, Rue JP, Sullivan RT, Svoboda SJ. Concussion Rates for Three Division I Football Programs for Two Consecutive Seasons: A United States Service Academy Review. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December 2011.
65. Haniuk EM, Tombrello CA, Cameron KL, Svoboda SJ, **Owens BD**. Military Treatment Facility Transfers for Specialized Orthopaedic Sports Medicine Cases. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December 2011.
66. Goodman GP, Schoenfeld AJ, **Owens BD**, Dutton JR, Burks R, Belmont PJ. Non-emergent Orthopaedic Injuries Sustained by Soldiers in Operation Iraqi Freedom. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, San Diego, CA, December 2011.
67. Svoboda SJ, Brechue W, Harvey T, **Owens BD**, Cameron KL. Changes In Serum Biomarkers Of Cartilage Turnover Following ACL Reconstruction. Presented at Orthopaedic Research Society, San Francisco, CA, February 2012.

68. Svoboda SJ, Brechue W, Harvey T, **Owens BD**, Cameron KL. Changes In Serum Biomarkers Of Cartilage Turnover Following ACL Reconstruction. Presented at American Academy of Orthopaedic Surgery Annual Meeting, Chicago, IL, March 2012.
69. Cameron KL, Thompson BS, Peck KY, **Owens BD**, Marshall SW, Svoboda SJ. Normative values for a young athletic population on the KOOS and WOMAC: History of knee ligament injury is associated with lower scores. Presented at the National Athletic Trainers' Association Annual Meeting and Clinical Symposia, St Louis, MO, June 2012.
70. Peck KY, Johnston DA, **Owens BD**, Cameron KL. The incidence of injury among male and female intercollegiate rugby players. Presented at the National Athletic Trainers' Association Annual Meeting and Clinical Symposia, St Louis, MO, June 2012.
71. Cameron KL, Thompson BS, Peck KY, **Owens BD**, Marshall SW, Svoboda SJ. Normative Values for a Young Athletic Population on the KOOS and WOMAC: History of Knee Ligament Injury is Associated with Lower Scores. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July 2012.
72. **Owens BD**, Cameron KL, Duffey ML, Vargas D, Mountcastle SB, Padua D, Nelson BJ. Military Movement Training Program Improves Jump Landing Mechanics Associated with ACL Injury Risk. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July 2012.
73. **Owens BD**, Burns TC, Campbell SE, Svoboda SJ, Cameron KL. Simple Method of Glenoid Bone Loss Calculation Using Ipsilateral MRI. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July 2012.
74. Roach CJ, Cameron KL, Posner MA, **Owens BD**. Rotator Cuff Weakness is not a Risk Factor for First-time Anterior Glenohumeral Instability. Presented at the American Orthopaedic Society for Sports Medicine Annual Meeting, Baltimore, MD, July 2012.
75. Stoneback JW, **Owens BD**, Sykes JB, Athwal GS, Pointer L, Wolf JM. Incidence of Elbow Dislocations in the United States Population. Presented at Canadian Orthopedic Association Annual Meeting, St John's, Newfoundland. July 2012.
76. Giles JW, **Owens BD**, Athwal GS. A Formula for Predicting Anterior Glenoid Bone Loss Due to Instability. Presented at Canadian Orthopaedic Association Annual Meeting, Winnipeg, CA, June 2013.
77. Patzkowski J, Waterman B, Alitz C, **Owens BD**. The Bifid Superficial Peroneal Nerve: A Case Series and Review of the Literature. Presented at Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December 2013.
78. Rensing N, Waterman BR, Cameron KL, Pallis MP, **Owens BD**. Survivorship of Meniscal Allograft Transplantation in a High-Demand Patient

Population. Presented at Arthroscopy Association Annual Meeting, Los Angeles, CA, April 2015.

79. Masini BD, Dickens JF, Tucker CJ, Cameron KL, Svoboda SJ, **Owens BD**. Epidemiology of Isolated Meniscus Tears in Young Athletes. American Orthopaedic Society for Sports Medicine, Orlando, FL, July 2015.

80. Collier MA, Patzkowski JC, Garcia EJ, Yoon A, Raimondi V, **Owens BD**, Posner MA. Comparison of Back-Up Fixation Devices In A Porcine ACL Reconstruction Model. Society of Military Orthopaedic Surgeons Annual Meeting, St. Petersburg, FL, December 2015.

81. Hodax JD, McBryde T, Baird J, **Owens BD**. Delivering the right message, an analysis of online content regarding meniscus tears. American College of Sports Medicine, New England Chapter, Fall 2016 meeting, Providence, RI, October 2016.

82. Bokshan SL, Ruttiman R, Eltorai AE, DePasse JM, Daniels AH, **Owens BD**. Factors Associated with Physician Loss in ACL Reconstruction Malpractice Lawsuits. American Academy of Orthopaedic Surgeons, San Diego, CA, March 2017.

83. Hodax JD, McBride TJ, Baird G, **Owens BD**. Delivering the right message: An analysis of online literature directed at patients with meniscal injuries. Presented at the American Orthopaedic Association Annual Meeting, Charlotte, NC, June 2017.

84. Bokshan S, **Owens BD**, Eltorai A, Daniels A. Factors Associated with Physician Loss in ACL Reconstruction Malpractice Lawsuits. Presented at the American Orthopaedic Association Annual Meeting, Charlotte, NC, June 2017.

85. Ware JK, **Owens BD**, Akelman MR, Fadale PD, Hulstyn MJ, Shalvoy RM, Badger GJ, Fleming BC. Preoperative KOOS and SF36 Predict Symptomatic Knee Osteoarthritis at 7 Years Following ACL Reconstruction. American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, CA, July 2017.

86. DeFroda SF, Goodman AD, Gil JA, **Owens BD**. Epidemiology of Elbow Ulnar Collateral Ligament Injuries in National Collegiate Athletic Association Sports: 2009-2010 to 2013-2014 Academic Years. Presented at the American Association for Hand Surgery Annual Meeting, January 2018, Fajardo, Puerto Rico.

87. Shah KN, DeFroda S, Ware JK, Koruprolu SC, **Owens BD**. Lateral Patellofemoral Ligament: An Anatomic Study. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.

88. DeFroda S, Bokshan SL, **Owens BD**. Risk Factors for Hospital Admission following Arthroscopic Bankart Repair. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.

89. Bokshan SL, DeFroda S, **Owens BD**. Risk Factors for Hospital Admission following Anterior Cruciate Ligament Reconstruction. Presented at the

American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.

90. Yang J, Hodax J, Machan JT, Secrist ES, Krill MK, Durand WM, Hewett TE, **Owens BD**. Worth the Risk: NFL Athletes No Different One Season After Return Following Achilles Tendon Tear. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2018.

91. Fleming BC, Ware JK, Akelman MR, Fadale PD, Hulstyn KJ, Shalvoy RM, Badger GJ, **Owens BD**. Preoperative Patient Reported Outcomes Predict the Development of Symptomatic Knee Osteoarthritis Following ACL Reconstruction Surgery at 7 year Follow-up. Presented at the Orthopaedic Research Society Annual Meeting, New Orleans, LA, March 2018.

92. Jayasuriya CT, **Owens BD**, Feltman P, Franco J, Twomey-Kozak J, Newberry J, Hansen H, Li N, Terek R, Chen Q, Ehrlich M. Cartilage Progenitor Cells Successfully Bridge Meniscal Tear and Resist Cellular Hypertrophy. Presented at the Orthopaedic Research Society Annual Meeting, New Orleans, LA, March 2018.

93. Gao B, DeFroda S, Bokshan S, Ready LV, Sullivan K, Etzel C, **Owens BD**. Arthroscopic vs. Open Bankart Repairs in Recurrent Anterior Shoulder Instability: A Systematic Review of the Association Between Publication Date and Post-Operative Recurrent Instability in Systematic Reviews. Presented at the Arthroscopy Association of North America Annual Meeting, Chicago, IL, April, 2018.

94. **Owens BD**, MARS. Tunnel Bone Grafting in Revision Anterior Cruciate Ligament Reconstruction Cruciate Ligament Reconstruction. Presented at AOSSM Annual Meeting, San Diego, CA, July, 2018.

95. Goodman A, **Owens BD**. Shoulder and Elbow Injuries in Soccer Goalkeepers Versus Field Players in the National Collegiate Athletic Association, 2009-2010 through 2013-2014. Presented at the Hand Society Annual Meeting, Boston MA, September, 2018.

96. Goodman A, **Owens BD**. Shoulder and Elbow Injuries in NCAA Football Players, 2009-2010 through 2013-2014. Presented at the Hand Society Annual Meeting, Boston MA, September, 2018.

97. Durand WM, Goodman AD, Giglio P, Etzel C, **Owens BD**. Epidemiology of Upper Extremity Soccer Injuries Among High-School- and College-Aged Players in the US: An Analysis of the 1999-2016 NEISS Database. Presented at the Hand Society Annual Meeting, Boston, MA, September, 2018.

98. Goodman A, Etzel C, **Owens BD**. Shoulder and Elbow Injuries in Soccer Goalkeepers versus Field Players in the National Collegiate Athletic Association, 2009-2010 through 2013-2014. Presented at the Hand Society Annual Meeting, Boston, MA, September, 2018.

99. Gil J, **Owens BD**. Characteristics of Operative Shoulder Injuries in the National Collegiate Athletic Association, 2009-10 through 2013-14. Presented at the Hand Society Annual Meeting, Boston MA, September, 2018.

100. Yue L, **Owens BD**. Effect of Doxycycline on Osteochondral Graft Chondrocyte. Presented at ASBMR Annual Meeting, Montreal, Canada, September, 2018.
101. Jayasuriya CT, Desai S, Twomey-Kozak J, Newberry J, **Owens BD**, Ehrlich MG. Cartilage-derived Chondroprogenitors Require CXCR4 Activation to Successfully Bridge Meniscal Fibrocartilage Tears. Presented at the Orthopedic Research Society Annual Meeting, Austin, TX, February, 2019.
102. DeFroda S, Karamchedu NP, **Owens BD**, Bokshan SL, Sullivan K, Fadale P, Hulstyn M, Shalvoy R, Fleming BC. Tibial Tunnel Widening Following Anterior Cruciate Ligament Reconstruction: A Retrospective 7-Year Study Evaluating the Effects of Initial Graft Tensioning and Graft Selection. Presented at the Orthopedic Research Society Annual Meeting, Austin, TX, February, 2019.
103. Yue L, Vuong B, Bilgen B, **Owens BD**. Doxycycline Attenuated Chondrocyte Death, Glycosaminoglycan Loss and Maintained Mechanical Function In Fresh Cartilage Grafts. Presented at the Orthopedic Research Society Annual Meeting, Austin, TX, February, 2019.
104. Babu J, Hodax J, Fadale P, **Owens BD**. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. Presented at the Orthopedic Research Society Annual Meeting, Austin, TX, February, 2019.
105. Goodman A, Ready E, **Owens BD**. Shoulder and Elbow Injuries During Track and Field in the National Collegiate Athletic Association: 2009-10 through 2013-2014 Academic Years. Presented at the American Association for Hand Surgery Annual Meeting, Palm Desert, CA, February, 2019.
106. DeFroda S, Karamchedu NP, **Owens BD**, Bokshan SL, Fadale P, Hulstyn MJ, Shalvoy R, Badger GJ, Fleming BC. Tibial Tunnel Widening Following Anterior Cruciate Ligament Reconstruction: A Retrospective Seven-Year Study Evaluating the Effects of Initial Graft Tensioning and Graft Selection. Presented at the American Academy of Orthopedic Surgery Annual Meeting, Las Vegas, NV, March, 2019.
107. Babu J, **Owens BD**, Fadale P, Hodax J. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. Presented at the American Academy of Orthopedic Surgery Annual Meeting, Las Vegas, NV, March, 2019.
108. Babu J, Fadale P, Hodax J, **Owens BD**. Osteochondral Allograft Transplantation: Identifying the Biomechanical Impact of Using Smaller Grafts. Presented at the American Orthopedic Association Annual Meeting, San Diego, CA, June, 2019.
109. DeFroda SF, Bokshan S, Worobey S, Ready L, Daniels AH, **Owens BD**. Oral Contraceptives Provide Protection against Anterior Cruciate Ligament Tears: A National Database Study of 165,748 Female Patients. Presented at AOSSM Annual Meeting, Boston, MA, July, 2019.
110. Yang J, Hodax J, Machan JT, Secrist ES, Krill MK, Durand WM, Hewett TE, **Owens BD**. Misconceptions in NFL Injuries: A Study on the Achilles.

111. Presented at American Orthopaedic Foot and Ankle Society Annual Meeting, Chicago, IL, September, 2019.

112. Yue L, Bilgen B, Vuong B, Cronin SEJ, Pendexter C, Tessier SN, Uygun K, **Owens BD**. Extending Viability Of Fresh Cartilage Grafts Using A Novel High-subzero Cryopreservation Approach. Presented at Orthopaedic Research Society 2020 Annual Meeting, Phoenix, AZ, February 2020.

113. Yang D, Curtis K, Daniels A, **Owens BD**, DeFroda S. The Effects of Smoking on Extensor Mechanism Injury and Post Surgical Complications: A  
114. National Database Study. Presented at American Orthopaedic Society for Sports Medicine 2020 Annual Meeting, Virtual, July 2020.

## MULTIMEDIA PRESENTATIONS

70. Svoboda S, **Owens BD**, White DW, Wenke J. The Effect of Various Wound Treatments on a Contaminated Extremity Wound in a Caprine Survival Model. American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

71. Li X, Ma R, Egge NM, Gulotta LV, Dines JS, **Owens BD**. Management of Pediatric Shoulder Instability in the Skeletally Immature Population: A Review of Current Concepts. American Academy of Orthopaedic Surgeons, Chicago, IL, March 2013.

72. Brelin A, Donohue M, Mantel T, McCabe M, **Owens BD**, Dickens JF. Return to Play and Recurrent Instability Rates in Open versus Arthroscopic Anterior Shoulder Stabilization in the Contact and Collision Athlete: A Systematic Review. American Academy of Orthopaedic Surgeons, San Diego, CA, March 2017.

## COURSE DIRECTOR

Svoboda SJ, **Owens BD**. Tri-Service Military Sports Annual Meeting, Naples, FL, June 2011.

Ryu RKN, Angelo R, **Owens BD**, Tokish JM. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2012.

Dickens J, Kilcoyne K, Davila J, Rue JP, **Owens BD**, Giuliani J. Walter Reed Sports Medicine Symposium, Washington, DC, April 2013.

Beach W, Ryu RKN, Angelo R, **Owens BD**, Tokish JM. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2014.

Slabaugh M, Richmond JC, **Owens BD**, Rue JP, Tokish JT, Ryu RKN. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2015.

**Owens BD**. Conmed/MTF Complex Knee Course. New York, NY, July 2017.

**Owens BD**, Provencher MT. The Cutting Edge 2017: Arthroscopic and Open Shoulder Techniques in the Athlete’s Shoulder. Rosemont, IL, October 2017.



**Owens BD**, Hoeneke H. American Shoulder and Elbow Surgeons Specialty Day, Orlando, FL, March, 2020.

**Owens BD**, ed. Surgical Insights: Sports Medicine Knee Surgery [online course]. Rosemont, IL American Academy of Orthopaedic Surgeons, 2020.

## **SESSION MODERATOR**

**Owens BD**, Hawkins RJ. Sports Upper Extremity. Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December 2010.

Kelly JD, **Owens BD**. Rotator Cuff Symposium. Arthroscopy Association of North America Specialty Day, San Francisco, CA, February 2012.

**Owens BD**. Shoulder Instability in the Military Athlete. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2012.

**Owens BD**, Arciero RA. Shoulder Instability. Walter Reed Sports Medicine Symposium, Washington, DC, April 2013.

**Owens BD**. Shoulder Instability in the Military Athlete. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2014.

**Owens BD**, McCabe M. Sports Upper Extremity. Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December 2014.

**Owens BD**, Taylor DC. Surgical Technique Spotlight: Open Bankart Repair. American Orthopaedic Society for Sports Medicine Annual Meeting, Orlando, FL, July 2015.

**Owens BD**. Knee Ligaments. Arthroscopy Association of North America Annual Meeting, Boston, MA, April 2016.

**Owens BD**. Knee Ligaments. Herodicus Society Annual Meeting, Colorado Springs, CO, July 2016.

Diduch D, **Owens BD**. ACL Knee Ligaments. American Orthopaedic Society for Sports Medicine Specialty Day, San Diego, CA, March 2017.

Cordasco F, **Owens BD**. Shoulder Instability, American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, CA, July 2017.

**Owens BD**. Shoulder Instability. The Cutting Edge 2017: Arthroscopic and Open Shoulder Techniques in the Athlete’s Shoulder. Rosemont, IL, October 2017.

**Owens BD**. Shoulder Instability: How Can We Do Better? American Orthopaedic Society for Sports Medicine Annual Meeting, Boston, MA, July, 2019.

## **INVITED TALKS**

1. **Owens BD**. Radiofrequency Energy: Basic Science and Applications. University of Massachusetts Grand Rounds, Worcester, MA, May 1999.
2. **Owens BD**, Steiner ME, Apreleva M. In Vivo Assessment of Patellofemoral Biomechanics. Beth Israel Biomechanics Laboratory Grand Rounds, Boston, MA, May 1999.
3. Busconi BD, **Owens BD**. ACL Reconstruction Versus Repair in the Skeletally Immature Patient. Evaluation and Treatment of the Injured Athlete: Sports Medicine Update, Martha's Vineyard, MA, July 2002.
4. **Owens BD**. Elbow Anatomy and Biomechanics. The Upper Extremity: Orthopedics and Rehabilitation Course, Worcester, MA, May 2003.
5. **Owens BD**. Lateral Epicondylitis. The Upper Extremity: Orthopedics and Rehabilitation Course, Worcester, MA, May 2003.
6. **Owens BD**. Shoulder Examination and Special Tests. The Upper Extremity: Orthopedics and Rehabilitation Course, Worcester, MA, May 2003.
7. **Owens BD**, Busconi BD. Arthroscopy for Hip Dislocation and Fracture-Dislocation. University of Massachusetts Grand Rounds, Worcester, MA, June, 2004.
8. **Owens BD**, White DW, Svoboda SJ, Wenke JC. Optimization of Wound Irrigation. 8<sup>th</sup> Annual COL George E. Omer, Jr Orthopaedic Seminar and Alumni Day, Brooke Army Medical Center, San Antonio, TX, April 2006.
9. **Owens BD**, DeBerardino TM. Sideline Management of Common Joint Dislocations. West Point Sports Symposium, West Point, NY, August 2006.
10. Taylor DC, **Owens BD**, Nelson BJ, Duffey ML, Mountcastle B, DeBerardino TM. Traumatic Anterior Glenohumeral Subluxation. Herodicus Society, Florence, Italy, May 2007.
11. **Owens BD**. Distribution of Wounds Sustained by US Soldiers in Iraq and Afghanistan. Howard Rosen 30<sup>th</sup> Tristate Trauma Symposium, New York, NY, October 2007.
12. **Owens BD**. Partial Articular Rotator Cuff Tears. Rocky Mountain Shoulder & Elbow Society Meeting, Aspen, CO, August 2008.
13. **Owens BD**. Epidemiology of Shoulder Instability. University of Colorado Grand Rounds, Denver, CO, September 2008.
14. **Owens BD**. Scapula Fractures. Rio Grande Trauma Conference, El Paso, TX, December 2008.
15. **Owens BD**. Epidemiology of Youth Sports Injuries. Symposium on Youth Sports Injuries. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2010.
16. **Owens BD**. Adolescent Shoulder Injuries. Adolescent Sports Injuries Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 2010.

17. **Owens BD.** All-inside ACL Reconstruction. Tri-Service Military Sports Annual Meeting, Naples, FL, June 2010.
18. **Owens BD.** Shoulder Instability. US Military Academy Phi Delta Epsilon Meeting, West Point, NY, October 2010.
19. **Owens BD.** What to Do with the First Time Dislocator? An Evidence-Based Approach. AANA/SOMOS Shoulder Course, Chicago, IL, October 2010.
20. **Owens BD.** Current Concepts in Shoulder Instability. University of Massachusetts Medical School, Grand Rounds, Worcester, MA, October 2010.
21. **Owens BD.** Adolescent Shoulder Injuries. Adolescent Sports Injuries Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 2011.
22. **Owens BD, Belmont PJ.** Combat Orthopaedic Surgery: Lessons Learned in Iraq and Afghanistan. AMEDD Recruiting Banquet, San Diego, CA, February 2011.
23. **Owens BD.** Epidemiology of Musculoskeletal Injuries in the Military. Brown University Medical School, Grand Rounds, Providence, RI, March 2011.
24. **Owens BD.** Management of Shoulder Instability with Glenoid Bone Loss. Tri-Service Military Sports Annual Meeting, Naples, FL, June 2011.
25. **Owens BD.** Meniscal Repair: Pearls to the Medial and Lateral Approach to the Knee. AANA/SOMOS Knee Course, Chicago, IL, August 2011.
26. **Owens BD.** Axioms Altered By Research: TBI is the Signature Injury of the War? Extremity War Injury Symposium, Washington, DC, January 2012.
27. **Owens BD.** Simple Calculation for Glenoid Bone Loss Estimation. Magellan Society Meeting, Lake Como, IT, April 2012.
28. **Owens BD.** Sports Trauma: The West Point Experience. Eastern Orthopaedic Association, Lake George, NY, June 2012.
29. **Owens BD.** The AOSSM-ESSKA Traveling Fellowship. American Orthopaedic Society for Sports Medicine. Baltimore, MD, July 2012.
30. **Owens BD.** Posterior Shoulder Instability. AANA-SOMOS Shoulder Course, Chicago, IL, August 2012.
31. **Owens BD.** Surgical Intervention to Preserve Articular Cartilage and Articular Surfaces. Extremity War Injury VIII Conference, Washington, DC, February 2013.
32. **Owens BD.** Shoulder Instability: Maximizing Outcomes with Enhanced Techniques. Depuy Mitek Fellows Advanced Arthroscopy Forum, Henderson, NV, March 2013.

33. **Owens BD.** Transitioning from Transtibial to Anteromedial Portal Technique for ACL Reconstruction. Mitek Talks of Town. AAOS Annual Meeting, Chicago, IL, March 2013.
34. **Owens BD.** ACL Femoral Tunnel Placement: “Transtibial: No, You Can’t”. AOSSM Specialty Day, Chicago, IL, March 2013.
35. **Owens BD.** Shoulder Anatomy. US Military Academy, Department of Chemistry and Life Sciences, Human Anatomy CH460, West Point, NY, April 2013.
36. **Owens BD.** Shoulder Instability: Treatment of First-Time Shoulder Dislocations in Athletes. Walter Reed Sports Medicine Symposium, Washington, DC, April 2013.
37. **Owens BD.** Osteochondral Allograft Transplantation for Articular Cartilage Defects. Musculoskeletal Transplant Foundation, Edison, NJ, April 2013.
38. **Owens BD.** Shoulder Instability: Current Concepts. 14<sup>th</sup> Annual Philadelphia Sports Medicine Conference, Philadelphia, PA, June 2013.
39. Noyes F, **Owens BD,** Richmond JR, Sgaglione N. Meniscus Repair: Rapid Fire. American Orthopaedic Society for Sports Medicine Annual Meeting, July 2013.
40. **Owens BD.** SOMOS Research Collaborative: How To Publish Research In Military Practice. Society of Military Orthopaedic Surgeons Annual Meeting, Vail, CO, December 2013.
41. **Owens BD.** For Best Femoral Tunnel Placement: Use Anteromedial Portal. Arthroscopy Association of North America Specialty Day, New Orleans, LA, March 2014.
42. **Owens BD.** Current Concepts: AC Joint Reconstruction – Where Should You Put Tunnels or Should You Use Them. Presented at American Orthopaedic Society for Sports Medicine Specialty Day, New Orleans, LA, March 2014.
43. **Owens BD.** Current Concepts in Shoulder Instability. Grand Rounds, University of Missouri, Columbia, MO, May 2014.
44. **Owens BD.** Posterior Shoulder Instability. Instructional Course Lecture, American Orthopaedic Society for Sports Medicine Annual Meeting, Seattle, WA, July 2014.
45. **Owens BD.** 19 y/o Male Military Operator with First Time Dislocation-10 Days out: What to do and How to do it. AANA-SOMOS Combined Advanced Shoulder Arthroscopy Course: Optimizing Care of the “Military Athlete”. Chicago, IL, August 2014.
46. **Owens BD.** Posterior Shoulder Instability. Sports Rounds. Massachusetts General Hospital, Boston, MA, October 2014.
47. **Owens BD.** Posterior Labral Repair. Mitek Advanced Shoulder Course, Raynham, MA, October 2014.

48. **Owens BD.** Shoulder Instability in the 20 year-old “Contact” Warrior Athlete. Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December 2014.
49. **Owens BD.** Status of Meniscus Surgery. Extremity War Injury Symposium, Washington, DC, January 2015.
50. **Owens BD.** How to Review a Randomized Controlled Trial. American Orthopaedic Society for Sports Medicine Annual Meeting, *Am J Sports Med* Reviewers Workshop, Orlando, FL, July 2015.
51. **Owens BD.** Mashed, Malaligned, and Meniscetomized: Options for the Hopeless Knee. AANA/SOMOS Combined Advanced Knee Arthroscopy Course – Optimizing Care of the “Military Athlete.” Chicago, IL, August 2015.
52. **Owens BD.** Acromioclavicular Reconstruction. AO North America Upper Extremity Workgroup Meeting. Raynham, MA, August 2015.
53. **Owens BD.** Scholastic Sports Injuries. Life of An Athlete Conference, Lincoln, RI, September 2015.
54. **Owens BD.** Current Concepts in Shoulder Instability. Grand Rounds, University of Massachusetts Medical School, Worcester, MA, September 2015.
55. **Owens BD.** Current Concepts in Shoulder Instability. Grand Rounds, Harvard Medical School/Beth Israel Deaconess/Brigham & Women’s, Boston, MA, October 2015.
56. **Owens BD.** Osteotomies, Meniscus Allografts, and Cartilage Repair. Brown Orthopaedics Symposium, Providence, RI, November 2015.
57. **Owens BD.** The Case of the 19 Year Old Dislocator Athlete: Fix Him Now! Presented at Arthroscopy Association of North American Specialty Day, Orlando, FL, March 2016.
58. **Owens BD.** Current Concepts in Shoulder Instability. Grand Rounds, Boston University Orthopedic Department, Boston, MA, March 2016.
59. **Owens BD.** First Time Shoulder Dislocation: To Fix or Not to Fix. New England Sports and Orthopaedic Rehabilitation Summit 2016, Providence, RI, April 2016.
60. **Owens BD.** Arthroscopic Simulation: Studying the Impact of Simulation Training and Future Directions. Arthroscopy Association of North American Annual Meeting, Boston, MA, April 2016.
61. **Owens BD.** What I Have Learned about Posterior Instability. American Orthopaedic Society for Sports Medicine Annual Meeting, Colorado Springs, CO, July 2016.
62. **Owens BD.** Positioning for Success: Beach Chair Versus Lateral? Wider Scope of Arthroscopy Fellows Course. Andover, MA, September 2016.
63. **Owens BD.** Posterior Shoulder Instability. Hartford Orthopaedic Forum, Hartford, CT, September 2016.

64. **Owens BD.** Cartilage and Meniscus Repair. Grand Rounds, University of Connecticut, Farmington, CT, September 2016.
65. **Owens BD.** Management of In-season Instability in Athletes. Boston Sports Medicine Symposium, Boston, MA, November 2016.
66. **Owens BD.** Shoulder Instability in the Youth Athlete. Brown Pediatric and Adolescent Sports Medicine Course, Providence, RI, November 2016.
67. **Owens BD.** Defining the Clinical Problem: Articular Cartilage and Meniscus Injuries. Brown Cartilage Research Workgroup Seminar. Providence, RI, December 2016.
68. **Owens BD.** Posterior Shoulder Instability. Grand Rounds, Steadman Philippon Research Institute, Vail, CO, February 2017.
69. **Owens BD.** Articular Cartilage and Meniscus Considerations in ACL Reconstruction. New England Sports and Orthopedic Rehabilitation Summit, Providence, RI, April 2017.
70. **Owens BD.** Shoulder Instability: Lessons Learned in the Military. William Beaumont Army Medical Center/Texas Tech University Grand Rounds/Research Day. El Paso, TX, May 2017.
71. **Owens BD.** How to Manage the Acute Bony Bankart Lesion. American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, CA, July 2017.
72. **Owens BD,** Nelson BJ. Shoulder Instability Roundtable Discussion. American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, CA, July 2017.
73. **Owens BD.** Comprehensive Approach to Articular Cartilage and Meniscus Injury. Conmed/MTF Complex Knee Course, New York, NY, July 2017.
74. **Owens BD.** Meniscus and Osteochondral Allograft Transplantation Techniques. Conmed/MTF Complex Knee Course, New York, NY, July 2017.
75. **Owens BD.** The Latarjet: Open Standard Procedure. The Cutting Edge 2017: Arthroscopic and Open Shoulder Techniques in the Athlete's Shoulder. Rosemont, IL, October 2017.
76. **Owens BD.** Current Concepts in Anterior Shoulder Instability. Brown Medical School Primary Care Sports Medicine Fellowship. Providence, RI, November 2017.
77. **Owens BD.** Shoulder Instability: Anterior, Posterior, Bone Loss, In Season Athlete. Maine Ortho Conference. Sugarloaf, ME, March 2018.
78. **Owens BD.** ACL, Meniscus, Cartilage Injuries. Maine Ortho Conference. Sugarloaf, ME, March 2018.

79. **Owens BD.** Current Concepts in Posterior Shoulder Instability. Brown Medical School Primary Care Sports Medicine Fellowship. Providence, RI, May 2018.
80. **Owens BD.** ACL Panel Discussion. AOSSM Annual Meeting, San Diego, CA, July 2018.
81. **Owens BD.** Evaluation of the Failed ACL. Evaluation of the Injured Athlete Course, Martha's Vineyard Sports Medicine Course. Martha's Vineyard, MA, July 2018.
82. **Owens BD.** Shoulder Instability: It's Not Just a Sprain! Brown University Family Weekend. Providence, RI, October, 2018.
83. **Owens BD.** Orthopaedic Research. Brown University Alpert Medical School. Providence, RI, January, 2019.
84. **Owens BD.** Shoulder Subluxation: It's Not Just a Sprain. Pappas Physical Therapy Invited Lecture. Cranston, RI, January, 2019.
85. **Owens BD.** Shoulder Instability in the Military: Where Do We Go Next? Extremity War Injury Symposium. Washington DC, January, 2019.
86. **Owens BD.** Shoulder Instability: It's Not Just a Sprain. Lifespan Board of Directors. Providence, RI, February, 2019.
87. **Owens BD.** Knee Cartilage Injuries. Work Related Injuries Course. Boston, MA, March, 2019.
88. **Owens BD.** Shoulder Instability: It's Not Just a Sprain. Performance Physical Therapy Lecture Series. Providence, RI, April, 2019.
89. **Owens BD.** Glenoid Bone Loss. New England Orthopedic Society Annual Meeting. Woodstock, VT, June, 2019.
90. **Owens BD.** Anterior Shoulder Instability in the In-Season Athlete. New England Orthopedic Society Annual Meeting. Woodstock, VT, June, 2019.
91. **Owens BD.** Posterior Shoulder Instability. New England Orthopedic Society Annual Meeting. Woodstock, VT, June, 2019.
92. **Owens BD.** Shoulder Labral Repair, All the Way Around the Glenoid: Panel Discussion. American Orthopaedic Society for Sports Medicine Annual Meeting. Boston, MA, July, 2019.
93. **Owens BD.** In Season Instability. Irish-American Orthopaedic Society Annual Meeting. Cape Cod, MA, September, 2019.
94. **Owens BD.** Bone Loss and Latarjet. Irish-American Orthopaedic Society Annual Meeting. Cape Cod, MA, September, 2019.
95. **Owens BD.** Traumatic Shoulder Dislocation: Why Did This Happen To Me? 35th Annual University of Iowa Sports Medicine Symposium. Coralville, IA, December, 2019.

96. **Owens BD.** Traumatic Shoulder Dislocation: Will I Have This Problem For Life? 35th Annual University of Iowa Sports Medicine Symposium. Coralville, IA, December, 2019.

97. **Owens BD.** Traumatic Shoulder Dislocation: I've Always Had Loose Joints. Will This Happen on the Opposite Side? 35th Annual University of Iowa Sports Medicine Symposium. Coralville, IA, December, 2019.

98. **Owens BD.** Rational for Revision ACL Graft Choice in a High School Female. 35th Annual University of Iowa Sports Medicine Symposium. Coralville, IA, December, 2019.

99. **Owens BD.** Scapular Dyskinesia: Too Many Moving Parts! 35th Annual University of Iowa Sports Medicine Symposium. Coralville, IA, December, 2019.

100. **Owens BD.** Shoulder Instability Panel. The New England Shoulder and Elbow Society. Jay Peak, VT, February 2020.

101. **Owens BD.** Shoulder Instability: Top "Pearls" for Management. Zoom Virtual Grand Rounds, Wake Forest Baptist Health, April 2020.

#### **EDITORIAL BOARD MEMBER**

*Orthopedics* - 2008-present

*Open Sports Medicine Journal* – 2008-2015

*Journal of Surgical Orthopaedic Advances* – 2009-2012 (Associate Editor)

*American Journal of Sports Medicine* – 2010-present (Associate Editor 2012-present)

*Orthopedics Today* – 2011-present

*World Journal of Orthopedics* – 2014 – present

*Techniques in Orthopaedics* – 2015-present

#### **JOURNAL GUEST EDITOR**

*Journal of Surgical Orthopaedic Advances* – Advances in Care of Combat Wounds – Special Issue. 2010;19(1).

*Clinics in Sports Medicine* – Athletic Injuries in the Military 2014;33(4).

*Clinics in Sports Medicine* – Return to Play 2016;35(4).

*Clinics in Sports Medicine* – Meniscus Injuries (In Press).

#### **JOURNAL REVIEWER**

*Journal of Bone and Joint Surgery (American)* – 2007-present



*Clinical Orthopaedics and Related Research* – 2007-present

*American Journal of Sports Medicine* – 2007-present (Principal Reviewer 2009-10)

*Arthroscopy: Journal of Arthroscopic and Related Surgery* – 2007-present

*Orthopedics* - 2007-present

*Journal of Shoulder and Elbow Surgery* – 2009-present

*Physician and Sports Medicine* – 2010-present

*Orthopaedic Knowledge Online (OKO)* – 2010-present

*Scandinavian Journal of Medicine and Science in Sports* – 2010-present

*Journal of Knee Surgery* - 2010-present

*British Journal of Sports Medicine* – 2012-present

*JBJS Case Connector* – 2013-present

*JBJS Reviews* – 2015-present

#### **NEWSLETTER EDITOR**

*Sports Medicine Update*, AOSSM – 2011 – 2016

*In Motion*, AOSSM – 2014 - 2016

#### **GRANTS**

**Owens BD**, Breen TF. JBJS Resident Journal Club Grant. Orthopaedic Research and Education Foundation. \$2,500. September 2002. Role: PI.

**Owens BD**, DeBerardino TM, Nelson BJ, Mountcastle SB, Duffey ML, Stoneman PD. Risk Factors for Shoulder Instability. AOSSM Young Investigator Grant. \$38,232. February 2006 – not accepted due to overlap of funding. Role: PI.

**Owens BD**, Mountcastle SB, DeBerardino TM, Nelson BJ, Duffey ML, Stoneman PD. Risk Factors for Shoulder Instability. Orthopaedic Research and Education Foundation. \$99,205. March 2006. Role: PI.

Svoboda SJ, Cameron KL, Brechue WF, **Owens BD**, DeBerardino TM. Changes in Serum Biomarkers for Cartilage Turnover Following ACL Reconstruction and their Relationship to the Development of Osteoarthritis. Orthopaedic Research and Education Foundation. \$99,982. March 2008. Role: AI.

Paek HJ, Tuan RS, **Owens BD**. Development of Novel Point-of-Care Treatment for Articular Cartilage Injury. CDMRP, PRORP. \$1,089,552. October 2010-September 2012. Role: Consultant.

Cameron KL, **Owens BD**, Svoboda SJ, Gerber JP. The Effect of a Neuromuscular Training Program on Reducing the Incidence of Lower Extremity Stress Fractures in Military Service Members. CDMRP. \$935,654. October 2011-August 2014. Role: AI.

Owens BD. Characterization and Treatment of Post-Traumatic Osteoarthritis. CDMRP. \$725,000. September 2012-October 2015. Role: Co-Investigator.

Cameron KL, Svoboda SJ, Poole R, Marshall S, **Owens BD**. Acute Changes in Biomarkers of Cartilage Turnover and Joint Metabolism Following Traumatic Knee Joint Injury. CDMRP, PRORP. \$750,000. October 2012. Role: AI.

Marshall S, Jordan JM, Svoboda SJ, Cameron KL, **Owens BD**. Biomarkers and Biomechanics Associated with Injury-Mediated Osteoarthritis. NIH/NIAMS. \$1,067,806. August 2013-July 2018. Role AI.

Wolf JM, Cameron KL, Svoboda SJ, Drissi H, **Owens BD**. Vitamin D Supplementation for Prevention of Post-Traumatic Osteoarthritis: Evaluation in Animal and Clinical Models. CDMRP, PRORP, USAMRAA. \$1,062,293. September 2014-August 2017. Role: AI.

**Owens BD**. Biomechanical Risk Factors and Field Expedient Screening Strategies for Lower Extremity Stress Fractures. CDMRP, JWMP, USAMRAA. \$996,443. September 2014-August 2017. Role: AI.

Dickens JF, Potter KP, Giuliani J, Waterman B, Rue JP, **Owens BD**, Svoboda SJ, Cameron KL, Provencher MT, Tokish J, Freedman B. Optimization of Return to Duty and Outcomes in Military Training Shoulder and Knee Instability Injuries. CDMRP, DRMRP. \$999,824. January 2015-December 2018. Role: Co-Investigator.

Irrgang J, Harner C, Mushal V, **Owens BD**. Timing of Surgery and Rehabilitation to Optimize Outcome for Patients with Multiple Ligament Knee Injuries: A Multi-Center Clinical Trial. CDMRP, PRORP. \$300,000. September 2015-September 2017. Role: Site PI.

Jayasuriya CT, **Owens BD**. Meniscal Repair Using a Novel Subset of Cartilage-derived Human Stem Cells. Advance-CTR (NIGMS). \$120,750. January 2017-December 2018. Role: Co-Investigator.

Fleming BC, Murray MM, **Owens BD**, Parrish. Lyophilized injectable for point-of-care therapeutic for post-traumatic osteoarthritis. DoD Joint Warfighter. \$1,645,000. June 2017-May 2022. Role: Co-Investigator.

Fleming BC, **Owens BD**. Novel Therapeutic for Post-Traumatic Osteoarthritis (OA). CIMIT/DoD. \$1,829,073. October 2017-September 2021. Role: Co-Investigator.

Irrgang J, Harner C, Mushal V, **Owens BD**. Surgical Timing and Rehabilitation (STaR) for Multiple Ligament Knee Injuries (MLKIs): A Multicenter Integrated Clinical Trial. CDMRP, PRORP. \$4,476,920. September 2017-September 2021. Role: Site PI.

**Owens BD**, Gil J, DeFroda S, Bokshan S. Novel Method of Addressing Recurrent Anterior Shoulder Instability. Mitek/Depuy Synthes. \$7,500. August, 2018-September 2019. Role: PI.

**Owens BD**, Yue L, Bilgen B. Extending the Viability of Fresh Cartilage Grafts. MTF Biologics. \$100,000. August 2018-August 2019. Role: PI.

Spindler KP, Murray M, Fleming B, **Owens BD**. BEAR-MOON: A Two Arm Noninferiority Blinded Randomized Clinical Trial Comparing ACL Repair with BEAR Device vs. Standard of Care Autograft Patellar Tendon ACL Reconstruction. NIH/NIAMS. \$6,000,000. August 2018 – July 2023 Role: Site PI.

Jayasuriya C, **Owens BD**. Implementing allogeneic stem cells from cartilage graft in meniscus repair. OREF, \$49,000. May 2019-May 2020. Role: Co-PI.

Wei L, **Owens BD**, Fleming B. Intra-Articular Injection of Alpha-2-Macroglobulin Prevents Post-Traumatic Osteoarthritis. OREF, DoD, USAMRAA. \$1,915,469.00. August 2019-August 2022. Role: Co-Investigator.

Born C, Garcia D, **Owens BD**. Use of Immunologic Rapid Assay as a Detection of Bacterial Contamination and Endotoxin Presence of Implants and Allograft Tissue. Foundation for Orthopedic Trauma (FOT), \$12,100. September 2019-August 2021. Role: Co-Investigator.

Li NY, Jayasuriya CT, **Owens BD**, Salomi D, Janine M. Promoting Cartilage Regeneration through DLX5 Modification of CPCs. OREF, \$5,000. September 2019 – August 2020. Role: Co-Investigator.

Jayasuriya CT, Fleming B, **Owens BD**. Stimulating Meniscus Fibrocartilage Healing by Biologic Cell Therapy. DoD, \$750,000. September 2020 – September 2023. Role: Co-Investigator.

## **GRANT REVIEWER**

Orthopaedic Research and Education Foundation (OREF), Resident-Clinician Scientist Research Grant Committee, 2007, 2009.

Orthopaedic Research and Education Foundation, (OREF) Deputy Resident Research Grant Committee, 2007.

Orthopaedic Research and Education Foundation (OREF), Prospective/Clinical Research Grant Committee, 2008.

Congressionally Directed Medical Research Program (CDMRP)/Deployment Related Medical Research Program (DRMRP). Military Relevance Chairperson, HDA-WIHV-1-MR, 2008.

Orthopaedic Research and Education Foundation (OREF), Career Development Award Grant Committee, 2009.

Congressionally Directed Medical Research Program (CDMRP)/Peer Reviewed Orthopaedic Research Program (PRORP). Surgical Intervention and Rehabilitation Panel. Scientific Reviewer, 2009-10.

Congressionally Directed Medical Research Program (CDMRP)/Peer Reviewed Orthopaedic Research Program (PRORP). Clinical Consortium Panel. Scientific Reviewer, 2009-10.

Defense Medical Research and Development Program (DMRDP). Clinical Trials – Military Infectious Diseases Program, Scientific Reviewer, 2011.

Congressionally Directed Medical Research Program (CDMRP)/Armed Forces Institute of Regenerative Medicine (AFIRM II), Scientific Reviewer, 2012.

Orthopaedic Research and Education Foundation (OREF), Resident Clinician Scientist Training Grant Committee, 2012.

Congressionally Directed Medical Research Program (CDMRP)/Peer Reviewed Medical Research Program (PRMRP). Post-traumatic Osteoarthritis, Scientific Reviewer, 2013.

Orthopaedic Research and Education Foundation (OREF), Career Development Grant Committee, 2013.

Physician Services Incorporated Foundation Grant Program, Ontario, CA, 2014.

## **PROFESSIONAL SOCIETIES**

Member, Society of Military Orthopaedic Surgeons

Member, American Orthopaedic Society for Sports Medicine

Member, American Academy of Orthopaedic Surgeons

Member, American Orthopaedic Association

Member, Orthopaedic Trauma Association

Member, Arthroscopy Association of North America

Member, American Shoulder and Elbow Surgeons

Member, Magellan Society

Member, Herodicus Society

## **SOCIETY COMMITTEES**

American Academy of Orthopaedic Surgeons, 75<sup>th</sup> Anniversary Committee 2005-2009

Member, Research Committee, Southwest Orthopaedic Trauma Association, 2008-2009

Society of Military Orthopaedic Surgeons, Research Committee, 2009-2015.

Society of Military Orthopaedic Surgeons, Publications Committee, 2009-2015.

American Orthopaedic Society for Sports Medicine, Publications Committee, 2009-2016 (Chair, 2013-2016)

American Orthopaedic Society for Sports Medicine, OKO Committee, 2010-14.

American Orthopaedic Society for Sports Medicine, Council of Delegates Military Representative, 2011-present.

American Orthopaedic Society for Sports Medicine, Chair, Communications Council, 2013-2016.

National Athletic Trainers Association Tibial Stress Fracture Position Statement Writing Team, 2013-present.

American Academy of Orthopaedic Surgeons, Annual Meeting Committee, 2014-2016.

American Academy of Orthopaedic Surgeons, Annual Meeting Committee Technology Taskforce, 2014-2016.

Arthroscopy Association of North America, Annual Meeting Abstract Review Panel, 2015.

Arthroscopy Association of North America, Learning Center Committee, 2015-17.

United States Bone and Joint Initiative, Steering Committee, *The Burden of Musculoskeletal Diseases in the United States: Prevalence, Societal and Economic Cost (BMUS)*, 2015-2016.

American Orthopaedic Association, North American Traveling Fellowship Taskforce Lead, 2016-2018.

American Orthopaedic Society for Sports Medicine, Education Committee, 2016-present.

American Orthopaedic Society for Sports Medicine, Traveling Fellowship Committee, 2017-present.

American Orthopaedic Society for Sports Medicine, Instructional Course Lecture Chair, 2018-present.

American Orthopaedic Society for Sports Medicine, Program Committee, 2018-present.

American Shoulder and Elbow Surgeons, Program Committee, 2018-present.

American Shoulder and Elbow Surgeons, Specialty Day Program Co-chair, 2020.

American Orthopaedic Society for Sports Medicine Annual Meeting, Program Co-Chair, 2021-Present.

## **COMMITTEES**

Institutional Review Board, William Beaumont Army Medical Center, 2007-2009

Institutional Animal Care and Use Committee, William Beaumont Army Medical Center, 2007-2009

Chair, Tissue Allograft Committee, William Beaumont Army Medical Center, 2007-2009

Scientific Review Board, Keller Army Hospital/US Military Academy, 2009-2015.

Residency Scientific Review Committee, Brown Orthopaedic Residency Program, 2016-present.

Marketing Committee, University Orthopedics, 2015-present.

Co-founder, Brown Alpert Medical School Orthopaedic Surgery Interest Group, 2017-present.

State of Rhode Island, Board of Athletic Trainers, 2017-present.

## **RESEARCH GROUPS**

SOMOS Research Collaborative - Founding Member, Steering Committee, 2009-2015.

Multicenter ACL Revision Study (MARS) Group, 2009-present

Multiligament Surgical Timing and Rehabilitation (STAR) Trial Executive Steering Committee, 2014-present

Multicenter Group Project on RTP Following ACL Reconstruction, 2014-present

Member, Military Orthopaedics Tracking Injuries and Outcomes Network (MOTION) – founding member, 2015-present

Cartilage Research Workgroup, Brown Alpert Medical School, Founder/Member, 2016-present.

ASES Shoulder Instability Workgroup, Founding Member, 2018-present.

MOON BEAR ACL Group. Founding Member, Steering Committee. 2018-present.

ASES NEER Circle Member, 2018-present.

## **RESEARCH LABS**

Brown Cartilage Lab

<https://www.brown.edu/research/labs/cartilage/home>

Post-Doctoral Fellow – Li Yue, PhD, 2016-present

Brown Sports Injury Lab

<https://www.brown.edu/research/labs/sports-injury/home>

**ATHLETIC TEAM  
COVERAGE**

US Lacrosse Team (Men's National Team), 2012-2016  
Silver Medal FIL World Games, Denver, CO, July 2014  
Army Sprint Football, 2009-present  
2010, 2012, 2013 National Champions  
Army Lacrosse, 2009-present  
2010 Patriot League Champions  
Army Men's Rugby, 2009-present  
7s - 2011 Runner-Up  
Army Women's Rugby, 2009-present  
15s - 2011 National Champions, 2013 Runner-Up  
Army Football Div. 1. FBS (Assistant Team Physician), 2006, 2012  
Army Wrestling, 2006, 2009-present  
Army Men's Soccer, 2004, 2006, 2009  
Brown University Athletics, 2015-present  
Lacrosse, NCAA Final Four 2016  
Providence Bruins – American Hockey League, 2015-present  
Somerset Berkley Regional High School Athletics, 2017-present  
Bishop Feehan High School, 2017-present  
Consultant, University of Rhode Island Athletics, 2017-present  
East Providence High School, 2018-present

**BOARD  
CERTIFICATION**

Orthopaedic Surgery, American Board of Orthopaedic Surgery, 2008  
Sports Medicine, American Board of Orthopaedic Surgery, 2010  
Maintenance of Certification, American Board of Orthopaedic Surgery, 2018

**LICENSURE**

Massachusetts 2004-present  
Texas Visiting Professor License 2009-10  
Rhode Island 2015-present

**WORK ADDRESS**

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