

**Curriculum Vitae
Hughston Foundation
The Hughston Clinic**

Date: 6/11/2021

Personal Information

Name: Brent A. Ponce

Citizenship: United States of America

Title: Chair of Research, Hughston Foundation

Group: The Hughston Clinic

Business Address: 6262 Veterans Parkway, Columbus, GA 31909

Phone: 706-324-6661

Education:

M.D., 8/1992 - 5/1996
Vanderbilt University School of Medicine
Nashville, TN

B.A., Biology, Summa Cum Laude 9/1988 - 3/1992
University of Cincinnati
Cincinnati, OH

Military Service:

Orthopaedic Surgeon 1/2004 - 5/2006
Men's Basketball Team Physician
United States Air Force Academy Hospital
Colorado Springs, CO

Flight Surgeon 7/1997 - 6/1999
United States Air Force
Columbus, MS

Licensure:

Alabama State Medical Licensure 2006 - Present
Georgia State Medical Licensure 2020 - Present

Board Certification:

Diplomate, American Board of Orthopaedic Surgery 7/2006 - 2026

Postdoctoral Training:

Graduate Certificate in Healthcare Quality and Patient Safety 1/2018
University of Alabama at Birmingham
Birmingham, AL

Shoulder Fellowship 7/2003 - 12/2003
Harvard University
Boston, MA

Combined Orthopaedic Surgery Residency Harvard University Boston, MA	7/1999 - 6/2003
Surgical Internship Wright State/Wright Patterson AFB Dayton, OH	7/1996 - 6/1997
Academic Appointments:	
Chair of Research Hughston Foundation Hughston Clinic Columbus, GA	4/2021-Present
Vice Chairman of Clinical Affairs Department of Orthopaedic Surgery University of Alabama at Birmingham Birmingham, AL	4/2019 - 3/2021
Professor Department of Orthopaedic Surgery University of Alabama at Birmingham Birmingham, AL	10/2017 - 3/2021
Director Orthopaedic Research Fellowship University of Alabama at Birmingham Birmingham, AL	7/2012 - 3/2021
Assistant Professor Department of Biomedical Engineering University of Alabama at Birmingham Birmingham, AL	12/2011 - 3/2021
Director Orthopaedic Specialties Institute Skills Lab Birmingham, AL	12/2010 - 3/2021
Associate Professor Department of Surgery, Division of Orthopaedics University of Alabama at Birmingham Birmingham, AL	10/2012 - 9/2017
Associate Director Orthopaedic Surgery Residency Program University of Alabama at Birmingham Birmingham, AL	9/2012 - 9/2013
Assistant Professor Department of Surgery, Division of Orthopaedics University of Alabama at Birmingham Birmingham, AL	8/2006 - 10/2012

Awards/Honors:

2nd Place Poster Presentation at the Medical Association of the State of Alabama's Annual Poster Symposium Virtual Meeting <i>"Financial Literacy in Orthopaedic Surgery Residents: A COERG Survey"</i>	2021
JAMA Surgery 2020 Top Article by Views/Downloads <i>"Association of Surgical Jacket and Bouffant Use with Surgical Site Infection Risk"</i>	2020
1 st Place Poster Presentation: American College of Physicians, Minnesota Chapter Virtual Meeting <i>"Characterizing COVID-19 Disruptions in the 2020-2021 Residency Application Process: A Survey of Fourth-year Medical Students"</i>	2020
Castle Connolly Top Doctors - Birmingham	2015-2020
1 st Place Poster Presentation at the American Orthopaedic Association Annual Leadership Meeting – Critical Issues Category Virtual Meeting <i>"Gender Inequality: Is there a Bias in Industry Compensations?"</i>	2020
1 st Place Yelton Essay Competition: Alabama Orthopaedic Society Point Clear, AL <i>"Resilience Correlates with Patient Reported Outcomes after Reverse Total Shoulder Arthroplasty"</i>	2020
2nd Place, Yelton Essay Competition: Alabama Orthopaedic Society Annual Meeting Point Clear, AL <i>"Can Axial Compression be Obtained Through a Circular Hole or Will Only an Oblong Hole Do?"</i>	2020
3rd Place, Yelton Essay Competition: Alabama Orthopaedic Society Annual Meeting Point Clear, AL <i>"The Effect of Corticosteroid Injections in the Setting of Rotator Cuff Repair: A Systematic Review"</i>	2020
1 st Place Poster Presentation at the American Orthopaedic Association Annual Leadership Meeting – Critical Issues Category San Diego, California <i>"Orthopaedic Trainee Wellbeing and Burnout – A National Survey Conducted by the Collaborative Orthopaedic Educational Research Group"</i>	2019
2 nd Place, Yelton Essay Competition: Combined Alabama Orthopaedic Society and Mississippi Orthopaedic Society Annual Meeting Point Clear, AL <i>"Trends and Risk Factors in Orthopaedic Lawsuits: Analysis of a National Legal Database"</i>	2018
1st Place Poster Presentation at the Medical Association of the State of Alabama's Annual Poster Symposium Montgomery, AL	2017

1st Place Clinical Medicine Poster Presentation 15 th Annual AMA Research Symposium Honolulu, HI	2017
Alpha Omega Alpha University of Alabama at Birmingham Birmingham, AL	2016
3rd Place, Yelton Essay Competition: Alabama/Mississippi Orthopaedic Society 65th Annual Meeting Point Clear, AL <i>“The Effect of Suture Width on Rotator Cuff Repair: A Biomechanical Analysis”</i>	2016
2nd Place, Yelton Essay Competition: Alabama Orthopaedic Society 64th Annual Meeting San Destin, FL <i>“Effects of Traction During Nerve Transection on Neuropathic Pain in a Rat Amputation Model”</i>	2015
AAOS Leadership Fellow American Academy of Orthopaedic Surgeons Leadership Fellows Program Class of 2014-2015	2014 - 2015
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 63 rd Annual Meeting Birmingham, AL <i>“Flexor Tendon Repair with a Knotless, Bidirectional Barbed Suture: An In Vivo Biomechanical Analysis”</i>	2014
Best Scientific Exhibit at the AAOS Annual Meeting Chicago, IL <i>“Telementoring: Virtual Reality in Orthopaedic Education”</i>	2013
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 62 nd Annual Meeting Point Clear, AL <i>“Palpation of the Rotator Cuff: Was Codman Correct?”</i>	2013
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 61 st Annual Meeting San Destin, FL <i>“The Effect of Sliding Knots on the Suture-Tendon Interface Strength: A Biomechanical Analysis Comparing Sliding and Static Arthroscopic Knots”</i>	2012
Kurt M.W. Niemann Outstanding UAB Orthopaedic Surgery Faculty	2011
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 60 th Annual Meeting Point Clear, AL <i>“Factors Associated with Cartilage and Meniscal Lesions in Primary and Revision ACL Reconstructions: An Evaluation of 3069 Reconstructions”</i>	2011

Mid America Orthopaedic Association Traveling Fellowship	2010
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 59 th Annual Meeting Sandestin, FL <i>“Biomechanical Evaluation of Three Arthroscopic Self-Cinching Stitches in Shoulder Arthroscopy: The Lasso Loop, Lasso-Mattress and Double-Cinch Stitches”</i>	2010
1 st Place, Yelton Essay Competition: Alabama Orthopaedic Society 58 th Annual Meeting Point Clear, AL <i>“Pathological Fractures of the Proximal Humerus Treated with a Proximal Humeral Locking Plate and Cementation”</i>	2009
2 nd Place, Yelton Essay Competition: Alabama/Mississippi Orthopaedic Society Annual Meeting <i>“The Effect of Arthroscopic Rotator Interval Closure on Glenohumeral Volume”</i>	2008
Mid-America Orthopaedic Association Multipurpose Resident Grant	2007
Air Force Meritorious Service Medal	2006
Air Force Accommodation Medal	2005
Best Scientific Exhibit: AAOS Annual Meeting Washington, DC <i>“Lesser Tuberosity Osteotomy in Total Shoulder Arthroplasty – A Biomechanical Analysis and Clinical Evaluation”</i>	2005
United States Air Force Expert Marksman	2004
United States Air Force Achievement Medal	1999
Airsickness Management Consultant for USAF AETC	1997 - 1999
United States Air Force Health Professions Scholarship	1992 - 1996
GTE Academic All-American – Swimming/Biology	1992
Robert McKibbin Medal – Outstanding Male Graduate University of Cincinnati	1992
Mortar Board University of Cincinnati	1991 - 1992
University of Cincinnati College of Arts and Science Welch Scholarship	1988 - 1992
National High School Athletic All-American, Swimming	1988

Professional Societies:

American Shoulder and Elbow Society	2016 - Present
Interurban Orthopaedic Society	2015 - Present
American Orthopaedic Association (AOA)	2015 - Present
American Academy of Orthopaedic Surgeons (AAOS)	2015 - Present
Veterans' Administration Orthopaedic Society President, 2013-2014	2014 - 2021
Arthroscopy Association of North America (AANA)	2011 - Present
Mid-America Orthopaedic Association (MAOA)	2008 - 2021
Alabama Orthopaedic Society (AOS) President, 2014-2015	2007 - 2021
Jefferson County Medical Society	2006 - 2021
Medical Association of the State of Alabama (MASA)	2006 - 2021
Society of Military Orthopaedic Surgeons (SOMOS)	2004 - Present

Councils and Committees**National:**

American Shoulder and Elbow Surgeons – Innovation and Strategic Planning Committee	2020 - Present
CORD / Academics Committee	2018 - Present
CORD Education Taskforce	2018
MAOA Education Committee	2018 - 2020
AOA Resident Journal Club Committee	2017 - 2018
Interurban Orthopaedic Society Membership Committee	2015 - Present
AAOS Practice Management Committee	2015 - 2017

Local & University:

Orthopaedic Oncology Search Committee- Chair	2019
Orthopaedic Opioid Stewardship Committee- Chair	2019
SASC Appeal Committee- Member	2018 - 2020
Orthopaedic Appointment, Promotion and Tenure Committee Chair	2018 – 2021 2018 & 2019

Orthopaedic Medical Director UAB Highlands	2015 - 2021
Orthopaedic Executive Committee	2014 - 2021
Health Information Management Committee	2014 - 2021
Physician Integration Network	2014 - 2019
UAB Healthcare Leadership Academy Board Member	2012 - 2021
Student Academic Standing Committee	2011 - 2018
Orthopaedic Research Committee	2010 - 2021
Faculty Leader, Shoulder Journal Club	2010 - 2021
UAB Medicine Access Governance Committee	2017
Orthopaedic Director of Quality	2015 - 2017
Orthopaedic Leadership and Development Committee Chair	2015 - 2016
Highlands Operating Room Advisory Board	2014 - 2015
Orthopaedic Joint Implementation Team	2014
UAB SOM Non-Academic Conduct Review Panel	2013
Orthopaedic Clinical Competency Committee	2012 - 2017
University of Alabama School of Medicine LCME Curriculum Management Committee	2011 - 2012
Alabama Orthopaedic Society Board Member	2008 - 2012 2014 - 2016
Resident Education Committee/ Program Evaluation Committee	2008 - 2016
University Activities:	
Co-Director, Musculoskeletal Medicine Special Topics Course University of Alabama School of Medicine (UASOM)	2013 - 2019
Poster Judge, Dale J. Benos Medical Student Research Day	2012 - 2018
Orthopaedic Residency Mentor	2009 - 2021
Medical Student Mentor/Faculty Advisor	2008 - 2021
Faculty Liaison, UASOM Surgery Interest Group	2008 - 2021
Medical Student Research Mentor	2007 - 2021

Lecturer, Orthopaedic Surgery Residency Shoulder Curriculum	2006 - 2021
Clinical Shadowing Faculty for High School/College Students, Rheumatology Fellows, Physical Medicine and Rehabilitation and Cahaba Family Practice Residents	20006 - 2021
UAB Healthcare Professional Management Development Program	2014
Group Mentor, Biomedical Engineering Capstone Design & Product Development	2014 - 2016
UAB Healthcare Leadership Academy	2013
UAB Orthopaedic Shoulder Retreat, Chairman	2009, 2011, 2013
UAB Football Associate Team Physician	2006 - 2007
Editorial Board Memberships:	
Reviewer, Journal of Bone and Joint Surgery	2015 - Present
Reviewer, Journal of Surgical Education	2015 - Present
Reviewer, Journal of Shoulder and Elbow Surgery	2014 - Present
Reviewer, Cochrane Database	2014 - 2020
Professional Consultancy:	
Wright/Tornier	2010 – Present
Stryker	2019 – Present
ODi	2018 – Present
Mitek	2014 - 2016
Acumed	2012 - 2016
Olympus	2014 - 2015
Arthrex	2008 - 2012

Research Interests:

Biomechanical evaluation of upper extremity surgical repair techniques to improve construct strengths of: rotator cuff tears, proximal humerus fractures, sternoclavicular joint dislocations and flexor tendon lacerations.

Large database (NIS, NSQIP, VASQIP, CMSOPD) analysis for early complication and outcome evaluation for orthopaedic procedures with a focus upon the shoulder.

Assessment of topical issues in healthcare: use of Google Glass and augmented reality in surgery; professionalism issues with social media; readability of patient education materials; burnout; concurrent surgery, gender disparity.

Teaching Experience:

Teach medical students during surgical clerkships	2006 - Present
Mentor MS1 and MS2 students and allow them to shadow in clinic and operating room	2006 - Present
Teach orthopaedic surgical residents (all years) and fellows	2006 - Present

Major Lectures and Visiting Professorships:

Southern Orthopaedic Association: 2021 SEC Injury Update
Birmingham, AL; May 27, 2021
"Modifiable Factors Influencing Rotator Cuff Repair" 2021

2021 American Orthopaedic Association Annual Leadership Meeting: PEAL Forum
Virtual Meeting; May 25, 2021
"PEAL Mental Health Issues Among Orthopaedic Faculty and Trainees" 2021

CORD Webinar: Addressing Resident and Faculty Wellbeing
Virtual Meeting; August 12, 2020
"Wellbeing and Burnout" 2020

Arkansas Orthopaedic Society
Humphrey, AR; January 11, 2019
"Factors Affecting Shoulder Outcomes" 2019

University of Missouri Grand Rounds
Columbia, MO; October 24, 2018
"Burnout" 2018

Grand Rounds at the University of Vermont 4/2018

Grand Rounds at Andrews Institute for Orthopaedics & Sports Medicine 6/26/2017

Interurban Orthopaedic Society 9/16/2016

Brazil Shoulder Society Meeting 3/28-29/2014

Grand Rounds Missouri Orthopaedic Institute 9/5/2012

Grant Support

Current:

Grateful Patient Donors
"UAB Orthopaedic Research Fellowship" 2017-2021
Award total: \$45,000 annually for 5 years

Past:

Plastic Surgery Foundation Award ID #313057
"The Effect of Traction on Neuroma Formation" 2015 - 2016
Award Total: \$7,760.80

Arthrex Research Grant #573 2015

<p><i>“Sharing of Contact Forces with FiberTape and Labral Tape: A Biomechanical Analysis of Injury Forces for Different Suture Widths”</i></p> <p>Award Total: \$17,860</p>	
<p>UAB Health Services General Endowment Fund</p> <p><i>“Enhancement of Surgical Skill Training for Undergraduate and Graduate Medical Education”</i></p> <p>Award Total: \$137,534</p>	2014 - 2015
<p>Tornier Research Grant 2014989</p> <p><i>“UAB Orthopaedic Research Fellowship”</i></p> <p>Award Total: \$25,000 per year</p>	2014 - 2015
<p>University of Alabama at Birmingham Division of Orthopaedics Research Grant</p> <p><i>“Effects of Traction of Neuroma Formation: Nerve Tension and Subsequent Neuroma Formation in a Rat Amputation Model”</i></p> <p>Award Total: \$2,400</p>	2014
<p>University of Alabama at Birmingham Division of Orthopaedics Research Grant</p> <p><i>“Flexor Tendon Repair with a Knotless, Bidirectional Barbed Suture: An In-vivo Biomechanical Analysis”</i></p> <p>Award Total: \$7,643.50</p>	2013
<p>American Foundation for Surgery of the Hand Research Grant</p> <p><i>“Flexor Tendon Repair with a Knotless, Bidirectional Barbed Suture: An in Vivo Biomechanical and Histologic Analysis”</i></p> <p>Award Total: \$4,000</p>	2013
<p>ArthroCare Research Grant</p> <p><i>“Biomechanical Evaluation of the Incline Mattress Stitch”</i></p> <p>Award Total: \$15,227.50</p>	2011
<p>Arthrex Research Grant #219</p> <p><i>“A Biomechanical Evaluation of Stitch Strengths in the Anterior Cruciate Ligament”</i></p> <p>Award Total: \$5,292</p>	2009
<p>Mid-America Orthopaedic Association Multipurpose Resident Grant</p> <p><i>“Hormone Receptors in the Shoulder”</i></p> <p>Award Total: \$4,000</p>	2009
<p>Mitek Research Grant #2008-05</p> <p><i>“A Biomechanical Evaluation of the Lasso-Loop Stitch for Shoulder Arthroscopy”</i></p> <p>Award Total: \$25,187</p>	2008
<p>AO North America Research Grant Orthopaedic Trauma Association Research Grant</p> <p><i>“The Effect of Repetitive Screw Insertion on the Pullout Strength of Screws in Bone”</i></p> <p>Award Total: \$15,000 (\$5,000- AO; \$10,000- OTA)</p>	2008
<p>Synthes Research Grant #1639</p> <p><i>“A Biomechanical Evaluation of Proximal Humerus Fractures Treated with Locking Plate Osteosynthesis: The Importance of Calcar Comminution and Fixation”</i></p> <p>Award Total: \$15,950</p>	2007

Journal Publications - Peer Reviewed:

1. Paul KD, Levitt E, McGwin G, Brabston EW 3rd, Gilbert SR, **Ponce BA**, Momaya AM. COVID-19 Impact on Orthopedic Surgeons: Elective Procedures, Telehealth, and Income. *South Med J*. 2021 May;114(5):311-316. doi: 10.14423/SMJ.0000000000001249 [PMID: 33942117](#)
2. Momaya AM, Rouleau DM, Brabston EW, **Ponce BA**. Reply to the letter by L.A. Hoogervorst, R. W.A. Spek and M. P.J. van den Bekerom. *Orthop Traumatol Surg Res*. 2021 Apr 6:102921. doi: 10.1016/j.otsr.2021.102921 [PMID: 33836283](#)
3. LaCoste KL, Arguello AM, **Ponce BA**. Physical Therapy-Induced Fracture After Reverse Shoulder Arthroplasty: A Case Report. *JBJS Case Connect*. 2021 Apr 7;11(2). doi: 10.2106/JBJS.CC.20.00665 [PMID: 33826554](#)
4. Wilkinson EB, Williams JF, Paul KD, He JK, Hutto JR, Narducci CA, McGwin G, Brabston EW, **Ponce BA**. MRI evaluation of axillary neurovascular bundle: Implications for minimally invasive proximal humerus fracture fixation. *JSES Int*. 2021 Jan 9;5(2):205-211. doi: 10.1016/j.jseint.2020.11.002 [PMID: 33681839](#)
5. Cimino AM, Hawkins JK, McGwin G, Brabston EW, **Ponce BA**, Momaya AM. Is Outpatient Shoulder Arthroplasty Safe? A Systematic Review and Meta-analysis. *J Shoulder Elbow Surg*. 2021 Mar 3:S1058-2746(21)00148-8. doi: 10.1016/j.jse.2021.02.007 [PMID: 33675972](#)
6. Nolte MT, Tornetta P 3rd, Mehta S, **Ponce BA**, Grabowski G, Turner NS, Spitnale MJ, Kogan M. Resident Wellness During the COVID-19 Pandemic: A Nationwide Survey of Orthopaedic Residents. *J Am Acad Orthop Surg*. 2021 Mar 2. doi: 10.5435/JAAOS-D-20-01372 [PMID: 33651749](#)
7. Dombrowsky AR, Kirchner G, Isbell J, Brabston EW, **Ponce BA**, Tokish J, Momaya AM. Resilience correlates with patient reported outcomes after reverse total shoulder arthroplasty. *Orthop Traumatol Surg Res*. 2021 Feb;107(1):102777. doi: 10.1016/j.otsr.2020.102777. [PMID: 33321240](#)
8. Hudson PW, Pinto MC, Brabston EW, Hess MC, Cone BM, Williams JF, Brooks WS, Momaya AM, **Ponce BA**. Distal clavicle autograft for anterior-inferior glenoid augmentation: A comparative cadaveric anatomic study. *Shoulder Elbow*. 2020 Dec;12(6):404-413. doi: 10.1177/1758573219869335 [PMID: 33281945](#)
9. Richard GJ, Denard PJ, Kaar SG, Bohsali KI, Horneff JG, Carpenter S, Fedorka CJ, Mamelson K, Garrigues GE, Namdari S, Abboud JA, Paxton ES, Kovacevic D, Hebert-Davies J, **Ponce BA**, King JJ. Outcome measures reported for the management of proximal humeral fractures: a systematic review. *J Shoulder Elbow Surg*. 2020 Oct;29(10):2175-2184. doi: 10.1016/j.jse.2020.04.006. Epub 2020 Jun 9. [PMID: 32951643](#).
10. Edwards DN, Arguello AM, **Ponce BA**, Spitler CA, Quade JH. Early Orthopaedic Trauma Outcomes in COVID-19 Infected Patients: A Case Series. *J Orthop Trauma*. 2020 Oct;34(10):e382-e388. doi: 10.1097/BOT.0000000000001924 [PMID: 32947589](#)
11. Huntley SR, Lehtonen EJ, Robin JX, Arguello AM, Rouleau DM, Brabston EW, **Ponce BA**, Momaya AM. Outcomes of surgical fixation of greater tuberosity fractures: A systematic review. *Orthop Traumatol Surg Res*. 2020 Oct;106(6):1119-1126. doi: 10.1016/j.otsr.2020.05.005 [PMID: 32933866](#)
12. Cohn MR, Bigach SD, Bernstein DN, Arguello AM, Patt JC, **Ponce BA**, Beal MD, Kogan M, Dyer GSM; Collaborative Orthopaedic Educational Research Group. Resident Selection in the Wake of United States Medical Licensing

- Examination Step 1 Transition to Pass/Fail Scoring. *J Am Acad Orthop Surg*. 2020 Nov 1;28(21):865-873. doi: 10.5435/JAAOS-D-20-00359. [PMID: 32925383](#).
13. Cichos KH, Spitler CA, Quade JH, **Ponce BA**, McGwin G Jr, Ghanem ES. Intrawound Antibiotic Powder in Acetabular Fracture Open Reduction Internal Fixation Does Not Reduce Surgical Site Infections. *J Orthop Trauma*. 2021 Apr 1;35(4):198-204. doi: 10.1097/BOT.0000000000001943. [PMID: 32890070](#)
 14. Garcia JA, Arguello AM, Momaya AM, **Ponce BA**. Sternoclavicular Joint Instability: Symptoms, Diagnosis And Management. *Orthop Res Rev*. 2020 Jul 28;12:75-87. doi: 10.2147/ORR.S170964. [PMID: 32801951](#)
 15. Lichstein PM, He JK, Estok D, Prather JC, Dyer GS, **Ponce BA**; Collaborative Orthopaedic Educational Research Group. What Is the Prevalence of Burnout, Depression, and Substance Use Among Orthopaedic Surgery Residents and What Are the Risk Factors? A Collaborative Orthopaedic Educational Research Group Survey Study. *Clin Orthop Relat Res*. 2020 Aug;478(8):1709-1718. doi: 10.1097/CORR.0000000000001310. [PMID: 32732555](#); PMCID: PMC7371097.
 16. Wills BW, McGwin G, **Ponce BA**. Surgical Jacket and Bouffant Use and Surgical Site Infection Risk-Reply. *JAMA Surg*. 2020 Oct 1;155(10):997-998. doi: 10.1001/jamasurg.2020.2190. [PMID: 32697309](#)
 17. Almaguer AM, Wills BW, Robin JX, Chodaba Y, Arguello AM, McMichael BJ, McGwin G Jr, **Ponce BA**. Open Payments Reporting of Industry Compensation for Orthopedic Residents. *J Surg Educ*. 2020 Nov-Dec;77(6):1632-1637. doi: 10.1016/j.jsurg.2020.05.010 [PMID: 32546385](#)
 18. Wills BW, Almaguer AM, Robin JX, Archie A, McMichael BJ, McGwin G Jr, Ames SE, **Ponce BA**. Association of State Legislation and Industry Compensation to Orthopaedic Residents: A 3-Year Review of the Centers for Medicare and Medicaid Services Open Payments Database. *J Am Acad Orthop Surg*. 2020 Nov 15;28(22):e1020-e1028. doi: 10.5435/JAAOS-D-19-00637. [PMID: 32441903](#)
 19. Cimino AM, Veazey GC, McMurtrie JT, Isbell J, Arguello AM, Brabston EW, **Ponce BA**, Momaya AM. Corticosteroid Injections May Increase Retear and Revision Rates of Rotator Cuff Repair: A Systematic Review. *Arthroscopy*. 2020 Aug;36(8):2334-2341. doi: 10.1016/j.arthro.2020.04.044. [PMID: 32389769](#)
 20. Boudreau SC, Dombrowsky AR, Arguello AM, Gould S, Brabston EW 3rd, **Ponce BA**, Momaya AM. Patient Perception of Orthopedic Surgeon Reimbursement. *South Med J*. 2020 Apr;113(4):191-197. doi: 10.14423/SMJ.0000000000001081. [PMID: 32239232](#)
 21. Wills BW, Smith WR, Arguello AM, McGwin G, Ghanem ES, **Ponce BA**. Association of Surgical Jacket and Bouffant Use With Surgical Site Infection Risk [published online ahead of print, 2020 Feb 12]. *JAMA Surg*. 2020;155(4):323-328. doi:10.1001/jamasurg.2019.6044 [PMID: 32049316](#)
 22. Yohe N, Swiggett SJ, Razi A, Bowman JR, Watson SL, Pearson JM, Hudson PW, Patt JC, Ames SE, Leddy LR, Khoury JG, Tubb CC, McGwin G Jr, **Ponce B**. Acute Workplace Hazards in Orthopedic Surgery: Resident Survey Regarding Splash and Workplace Violence Events [published online ahead of print, 2020 Jun 3]. *J Surg Educ*. 2020;S1931-7204(20)30142-2. doi:10.1016/j.jsurg.2020.05.007 [PMID: 32505670](#)

23. Mosher ZA, Hudson PW, Lee SR, Perez JL, Arguello AM, McGwin G Jr, Theiss SM, **Ponce BA**. Check-in Kiosks in the Outpatient Clinical Setting: Fad or the Future?. *South Med J*. 2020;113(3):134–139. doi:10.14423/SMJ.0000000000001078 [PMID: 32123929](#)
24. **Ponce BA**. CORR Insights®: Does An Augmented Reality-based Portable Navigation System Improve the Accuracy of Acetabular Component Orientation During THA? A Randomized Controlled Trial [published online ahead of print, 2020 Feb 14]. *Clin Orthop Relat Res*. 2020;10.1097/CORR.0000000000001174. doi:10.1097/CORR.0000000000001174 [PMID: 32068550](#)
25. Wills BW, Smith WR, Arguello AM, McGwin G, Ghanem ES, **Ponce BA**. Association of Surgical Jacket and Bouffant Use With Surgical Site Infection Risk [published online ahead of print, 2020 Feb 12]. *JAMA Surg*. 2020;e196044. doi:10.1001/jamasurg.2019.6044 [PMID: 32049316](#)
26. Ransom EF, Minton HL, Young BL, He JK, **Ponce BA**, McGwin G, Meyer RD, Brabston EW 3rd.. Intermediate and Long-term Outcomes Following Surgical Decompression of Neurogenic Thoracic Outlet Syndrome in an Adolescent Patient Population [published online ahead of print, 2020 Feb 10]. *Hand (N Y)*. 2020;1558944719901319. doi:10.1177/1558944719901319 [PMID: 32036706](#)
27. Hess MC, Swedler DI, Collins CS, **Ponce BA**, Brabston EW. Descriptive Epidemiology of Injuries in Professional Ultimate Frisbee Athletes. *J Athl Train*. 2020;55(2):195–204. doi:10.4085/1062-6050-269-18 [PMID: 31895593](#)
28. Araoye I, He JK, Gilchrist S, Stubbs T, McGwin G Jr, **Ponce BA**; Collaborative Orthopaedic Educational Research Group. A National Survey of Orthopaedic Residents Identifies Deficiencies in the Understanding of Medical Statistics. *J Bone Joint Surg Am*. 2020;102(5):e19. doi:10.2106/JBJS.19.01095 [PMID: 31895239](#)
29. Brabston EW, Fehringer EV, Owen MT, **Ponce BA**. Stemless Humeral Implants in Total Shoulder Arthroplasty. *J Am Acad Orthop Surg*. 2020;28(7):e277–e287. doi:10.5435/JAAOS-D-16-00747 [PMID: 31860584](#)
30. Mosher ZA, Brabston EW, Ewing MA, Pinto MC, Hess MC, Behnke NK, McGwin G, **Ponce BA**, Patt JC. Predictive Accuracy of the ACS-NSQIP Surgical Risk Calculator for Pathologic Humerus Fracture Fixation. *J Surg Orthop Adv*. 2019;28(4):250–256. [PMID: 31886759](#)
31. Dombrowsky AR, Boudreau S, Quade J, Brabston EW, **Ponce BA**, Momaya AM. Clinical outcomes following conservative and surgical management of floating shoulder injuries: a systematic review. *J Shoulder Elbow Surg*. 2019 Dec. doi: 10.1016/j.jse.2019.09.029. [PMID: 31812589](#)
32. Cichos KH, Hyde ZB, Mabry SE, Ghanem ES, Brabston EW, Hayes LW, McGwin Jr G, **Ponce BA**. Optimization of Orthopedic Surgical Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses. *The Journal of arthroplasty*. 2019 Dec. doi: 10.1016/j.arth.2019.07.040 [PMID: 31473059](#)
33. McManus B, Galbraith JW, Heaton K, Mrug S, **Ponce BA**, Porterfield Jr JR, Schall Jr MC, Stavrinou D. Sleep and stress before and after duty across residency years under 2017 ACGME hours. *The American Journal of Surgery*. 2019 Nov. doi: 10.1016/j.amjsurg.2019.10.049 [PMID: 31757438](#)
34. Adkison DP, Hudson PW, Worthen JV, Moon AS, Pinto MC, Momaya A, **Ponce BA**, Brabston EW. Subscapularis-Sparing Rotator Interval Approach for Anatomic Total Shoulder Arthroplasty. *JBJS Essent Surg Tech*.

2019;9(4):e42.1-12. Published 2019 Nov 26. doi:10.2106/JBJS.ST.18.00115

[PMID: 32051788](#)

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doi: [10.1177/0363546512472168](#)
125. Singh JA, Houston TK, **Ponce BA**, Maddox G, Bishop MJ, Richman J, Campagna EJ, Henderson WG, Hawn MT. Smoking as a risk factor for short-term outcomes following primary total hip and total knee replacement in veterans. *Arthritis Care Res*. 2011 Oct;63(10):1365-74. [PMID: 21770042](#)
DOI: [10.1002/acr.20555](#)
126. **Ponce BA**, Rosenzweig SD, Thompson KJ, Tokish J. Sequential volume reduction with capsular plications: relationship between cumulative size of plications and volumetric reduction for multidirectional instability of the shoulder. *Am J Sports Med*. 2011 Mar;39(3):526-31. Epub 2011 Feb 2. [PMID: 21289276](#) DOI: [10.1177/0363546510391634](#)
127. **Ponce BA**, Hosemann CD, Raghava P, Tate JP, Eberhardt AW, Lafosse L. Biomechanical evaluation of 3 arthroscopic self-cinching stitches for shoulder arthroscopy: the lasso-loop, lasso-mattress, and double-cinch stitches. *Am J Sports Med*. 2011 Jan;39(1):188-94. Epub 2010 Nov 12. [PMID: 21076013](#) DOI: [10.1177/0363546510383394](#)
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DOI: [10.1302/0301-620X.92B5.23246](#)
129. **Ponce BA**, Ahluwalia RS, Mazzocca AD, Gobezie RG, Warner JJ, Millett PJ. Biomechanical and clinical evaluation of a novel lesser tuberosity repair technique in total shoulder arthroplasty. *J Bone Joint Surg Am*. 2005;87 Suppl 2:1-8. [PMID: 16326718](#) DOI: [10.2106/JBJS.E.00441](#)
130. Manning DW, **Ponce BA**, Chiang PP, Harris WH, Burke DW. Isolated acetabular revision through the posterior approach: short-term results after revision of a recalled acetabular component. *J Arthroplasty*. 2005 Sep;20(6):723-9. [PMID: 16139708](#) DOI: [10.1016/j.arth.2004.11.009](#)
131. **Ponce BA**, Hedequist DJ, Zurakowski D, Atkinson CC, Waters PM. Complications and timing of follow-up after closed reduction and percutaneous pinning of supracondylar humerus fractures: follow-up after percutaneous pinning of supracondylar humerus fractures. *J Pediatr Orthop*. 2004 Nov-Dec;24(6):610-4. [PMID: 15502556](#) DOI: [10.1097/00004694-200411000-00002](#)
132. Forthman CL, **Ponce BA**, Mankin HJ. Multiple myeloma with a pathologic fracture during pregnancy. A case report. *J Bone Joint Surg Am*. 2004 Jun;86-A(6):1284-8. [PMID: 15173303](#) DOI: [10.2106/00004623-200406000-00024](#)

Journal Publications - Non-Peer Reviewed:

1. Spitler CA, Mabry S, **Ponce BA**. The Physician's Role in Limiting Fake News. AAOS Now; February 1, 2020. 2020
2. Baker DK, Fryberger CT, **Ponce BA**. The Emergence of Augmented Reality in Orthopaedic Surgery and Education. *The Orthopaedic Journal at Harvard Medical School*. 2015;16:8-16. 2015
3. Ficke BW, Larrison MC, **Ponce BA**. Isolated rupture of the pronator teres in an amateur golfer: a case report. *International J. Orthopaedics*. 2015 2(6):481-483. 2015
4. **Ponce BA**, Oladeji LO, Rogers ME, Menendez ME. Comparative analysis of anatomic and reverse total shoulder arthroplasty: in-hospital outcomes and costs. *J Shoulder Elbow Surg*. 2015 Mar;24(3):460-7. Epub 2014 Oct 25. 2014
5. Singh J, Houston T, **Ponce BA**, Maddox G, Bishop M, Richman J, Campagna E, Henderson WG, Hawn M. Smoking (now or ever) raises patient risks: Is Smoking a Risk Factor for Complications after Elective primary Total Knee/Hip Arthroplasty? 2011 AAOS Annual Meeting, Clinical Press Releases; February 17, 2011. 2011
6. Singh J, Houston T, **Ponce BA**, Maddox G, Bishop M, Richman J, Campagna E, Henderson WG, Hawn M, Another reason not to smoke: Is Smoking a Risk Factor for Complications after Elective primary Total Knee/Hip Arthroplasty? The Daily Edition – AAOS Now; February 19, 2011. 2011
7. Singh, J., Houston, T., **Ponce, B.A.**, Maddox, G., Bishop M., Richman, J., Campagna, E., Henderson, W.G., Hawn, M., “*Smoking, Drinking, and Diabetes up the Risks of Joint Surgery: Is Smoking a Risk Factor for Complications after Elective Primary Total Knee/Hip Arthroplasty*” Best Health; BMJ Publishing Group Limited 2011/BMJ Evidence Center. 2011
8. Singh, J., Houston, T., **Ponce, B.A.**, Maddox, G., Bishop M., Richman, J., Campagna, E., Henderson, W.G., Hawn, M., “*Smoking May Increase Postarthroplasty Complications: Is Smoking a Risk Factor for Complications after Elective Primary Total Knee/Hip Arthroplasty*” Medscape Medical News/WebMD Professional 2011 from the AAOS Annual Meeting. 2011
9. **Ponce, B.A.**, Ahluwalia, R., Millett, P.J., Warner, J.J.P. “*Lesser Tuberosity Osteotomy in Total Shoulder Arthroplasty – A Biomechanical and Clinical Evaluation*” *Orthopaedic Journal at Harvard Medical School*,6:111-113, 2004. 2004
10. Gobezie, R., **Ponce, B.A.**, Ready, J. “*Analysis and Clinical Evaluation of Pathologic Humerus Fractures*” *Orthopaedic Journal at Harvard Medical School*, 5:126-129, 2003. 2003

Books and Monographs:

1. Rogers, DA., Peterson, DT., PhD, **Ponce, BA.**, MD, White, ML., Porterfield, JR. *Surgical Clinics of North America: Simulation in Surgical Training and Practice* “Simulation and Faculty Development” Anticipated publication 2015. 2015

2. **Ponce, B.A.**, Wilson, T.J., Hinrich, J.D. Heuer, Millett, P.J. “*Adhesive Capsulitis Evaluation and Management of Common Upper Extremity Disorders*” A Practical Handbook; Rohde R. and Millett, P., et al Eds, Slack Inc. Thorofare, NJ. 2011
3. **Ponce, B.A.**, Novakovich, P. “*Rib Fractures*” British Medical Journal (BMJ) Point-of-Care 2009; www.pointofcare.bmj.com 2009
4. **Ponce, B.A.**, Novakovich, P. “*Joint Dislocations*” British Medical Journal (BMJ) Point-of-Care 2009; www.pointofcare.bmj.com 2009
5. **Ponce, B.A.**, Tokish, J.T. “*Arthroscopic Management of Glenohumeral Instability*” Orthopaedic Knowledge Update, Shoulder and Elbow 3, 2008. 2008
6. **Ponce, B.A.**, Tokish, J.T. “*Operative Treatment of Partial Thickness Rotator Cuff Tears*” Operative Techniques in Sports Medicine, 13:206-211, 2005. 2005
7. **Ponce, B.A.**, Millett, P.J., Warner JJP. “*Acromioclavicular Joint Instability Reconstruction Indications and Techniques.*” Operative Techniques in Sport Medicine, 12:35-42, 2004. 2004
8. **Ponce, B.A.**, Millett, P.J., Warner, J.J.P. “*Management of Posterior Glenohumeral Instability with Associated Large Reverse Hill-Sachs Defects*” Techniques in Shoulder and Elbow Surgery, 5:146-156, 2004. 2004
9. Manning, D.W., **Ponce, B.A.**, Seng, K., Rubash, H.E., “*Femoral Revision: An Overview*” AAOS publication on revision arthroplasty hip surgery, 2004. 2004
10. **Ponce, B.A.**, Ready, J.E. (2001). “*Orthopaedic Considerations, Implications and Management of Metastatic Prostate Cancer*” In Kantoff P (Ed.); Prostate Cancer: Principles and Practice; Lippincott Williams & Wilkins, 48. 2001
11. **Ponce, B.A.**, “*Medical Management of Airsickness in Undergraduate Student Pilots*” Air Education and Training Command (AETC) Instruction 48-103, 1997. 1997

Poster & Podium Presentations

National Meetings:

American Orthopaedic Association 133rd Annual Meeting 2020
 Baltimore, MD; June 10-13, 2020

“*Gender Inequality: Is there a bias in industry compensations?*”

“*ADAMTS-13 Level Changes in Patients Undergoing Shoulder Arthroplasty*”

“*Safety and Efficacy of Overlapping Surgery Based on Percentage of Case Overlap*”

“*Ultrasound Assessment After a Subscapularis- Sparing Approach to Total Shoulder Arthroplasty*”

“*Mandated Surgical Jackets and Bouffants are Ineffective at Decreasing the Rate of Surgical Site Infections*”

American Academy of Orthopaedic Surgeons 2020 Annual Meeting 2020
 Orlando, FL, March 24-28, 2020

“Safety and Efficacy of Overlapping Surgery Based on Percentage of Case Overlap”

- American Association of Hip and Knee Surgeons 2019 Annual Meeting 2019
Dallas, TX, November 7-10, 2019
“Optimization of Orthopaedic Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses”
- American Orthopaedic Association 132nd Annual Meeting 2019
San Diego, CA, June 25-29, 2019
“Orthopaedic Trainee Wellbeing and Burnout- A National Survey Conducted by the Collaborative Orthopaedic Research Group”
“Impact of Caffeine on Early Rotator Cuff Healing in a Rat Model”
“Does Medicaid Expansion Improve Access to Care for First Time Shoulder Dislocator?”
“Radiographic Comparison of Stemmed and Stemless Shoulder Arthroplasty”
“Surgeon Awareness of Rotator Cuff Repair Costs: A Cross-Sectional Survey”
- American Academy of Orthopaedic Surgeons 2018 Annual Meeting 2018
New Orleans, LA, March 6-10, 2018
“Outcomes with Overlapping Surgery at a Large Academic Medical Center”
“Effectiveness of Autoclave Sterilization for Cannulated Surgical Instruments Containing Residual Bone”
“The Burden of Injuries in Professional Ultimate Frisbee”
- American Medical Association 15th Annual Research Symposium 2017
Honolulu, Hawaii, November 10, 2017
“Outcomes with Overlapping Surgery at a Large Academic Medical Center”
- 2017 Annual Meeting of the American Shoulder and Elbow Surgeons (ASES) 2017
New Orleans, LA, October 11-14, 2017
“Comparison of Distal Clavicle and Coracoid for Anterior-Inferior Glenoid Augmentation: An Anatomic Study”
- American Orthopaedic Association 17th Annual Leadership Meeting 2017
Charlotte, NC, June 22nd-24th 2017
“Bodily Fluid Splatter and use of Personal Protective Equipment in Residency Training: Results of a Nationwide Survey.”
“Evaluating the Usefulness of Interventions in Physician Rating Websites”
“Orthopaedic Resident Compliance Using Radiation Personal Protective Equipment Correlates with Provision of and Easy Access to Such Equipment”
“Concurrent Surgery: Balancing Safety and Training”
“Injuries from Penetrating Sharps in Residency Training”
- American Association of Hip and Knee Surgeons (AAHKS) 26th Annual Meeting 2016
Dallas, TX, November 10-13, 2016
“The Rising Use of Total Hip Arthroplasty for Femoral Neck Fractures in the United States”
- International 38th Annual Conference of the IEEE Engineering in Medicine and Biology Society 2016

- Orlando, FL, August 18, 2016
“Telemedicine with Mobile Devices and Merged Reality for Early Postoperative Care”
- American Orthopaedic Foot & Ankle Society Annual Meeting 2016
 Toronto, Canada, July 20-23, 2016
“Blood Transfusion During Total Ankle Arthroplasty is Associated with Increased In-Hospital Complications and Costs”
- American Orthopaedic Association/Council of Residency Directors 129th Annual Meeting 2016
 Seattle, WA, June 22-25, 2016
“Trends and Risk Factor in Orthopaedic Lawsuits: A National Legal Database Review”
“Trends in Joint Replacement Surgery in Rheumatoid Arthritis Patients”
“A Novel Psychomotor Testing Protocol for Orthopaedic Residency Applicants”
- Arthroscopy Association of North America 35th Annual Meeting 2016
 Boston, MA, April 14-16, 2016
“The Effect of Suture Width on Rotator Cuff Repair: A Biomechanical Analysis”
- Musculoskeletal Tumor Society / International Society for Limb Salvage Annual Meeting 2015
 Orlando, FL, October 5-7, 2015
“Risk Factors for Same-Admission Mortality after Pathologic Fracture Secondary to Metastatic Cancer: A Review of the Nationwide Inpatient Sample”
- Musculoskeletal Tumor Society Annual Meeting 2015
 Orlando, FL, October 6-10, 2015
“Risk Factors For Mortality After Pathologic Fracture Secondary To Metastatic Cancer”
- Clinical Orthopaedic Society 103rd Annual Meeting 2015
 New York, NY, September 25, 2015
“Risk Factors for Complications and Readmission After Operative Fixation of Pediatric Femur Fractures”
- American Orthopaedic Association 128th Annual Meeting 2015
 Providence, RI, June 24-27, 2015
“Comparative Analysis of Anatomic and Reverse Total Shoulder Arthroplasty: In-Hospital Outcomes and Costs ”
“Cost of the Orthopaedic Fellowship Interview Process”
- Musculoskeletal Tumor Society Annual Meeting 2013
 San Francisco, CA, October 3-5, 2013
“Evaluating the Readability of Online Patient Education Materials Related to Bone and Soft Tissue Sarcomas”
- American Academy of Orthopaedic Surgeons Annual Meeting 2012

- San Francisco, CA, February 7-11, 2012
"Arthroscopic Sliding Knots: Are We Sawing the Tendon? A Biomechanical Analysis of Sliding and Static Knots"
- American Orthopaedic Association 124th Annual Meeting 2011
 Boston, MA, June 22-25, 2011
"Social Networking Profiles and Professionalism Issues in Orthopaedic Surgery Residency Applicants"
- Arthroscopy Association of North America Annual Meeting 2010
 Hollywood, FL, May 20-23, 2010
"Biomechanical Evaluation of Arthroscopic Self-Cinching Stitches: the Lasso Loop, Lasso-Mattress, and Double-Cinch Stitches"
- American Society of Mechanical Engineers Summer Bioengineering Conference 2009
 Lake Tahoe, CA, June 17-21, 2009
"A Biomechanical Evaluation of a Novel, Self-Cinching Stitch for Shoulder Arthroscopy: The Lasso-Loop Stitch"
- American Society of Mechanical Engineers Summer Bioengineering Conference 2008
 Marco Island, FL, June 25-29, 2008
"Importance of Calcar Comminution and Screw Length in Proximal Humerus Fractures Treated with Locking Plate Fixation"
- Orthopaedic Trauma Association Annual Meeting 2007
 Boston, MA, October 18-20, 2007
"The Significance of Calcar Restoration in Preventing Varus Collapse of Proximal Humerus Fractures Following Reconstruction with Locking Plating"
- American Academy of Orthopaedic Surgeons Annual Meeting 2004
 San Francisco, CA, March 10-14, 2004
"Tibia Pilon Fractures Treated via Posterolateral Approach"
- Local/Regional Meetings:
- Mid-America Orthopaedic Association Annual Meeting 2019
 Miramar Beach, FL, April 10-14, 2019
"Intraoperative Prophylactic Techniques for the Prevention of Periprosthetic Joint Infection in Primary Total Joint Arthroplasty: A systematic Review and Meta-Analysis"
"Use of Bovie to Facilitate Needle Passage Through Bone"
"Ultrasound and Clinical Assessment After Subscapularis Sparing Anatomic Total Shoulder Arthroplasty"
"Optimization of Orthopedic Surgical Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses"
"Surgical Decompression for Thoracic Outlet Syndrome in Adolescent Patients"
"Impact of Caffeine on Early Rotator Cuff Healing in a Rat Model"
"Variability in Physical Therapy Protocols for Patellar Tendon and Quadriceps Tendon Rupture and Repair"
"Does Medicaid Expansion Improve Access to Care for the First Time Shoulder Dislocator"

- “Sunshine Act and Orthopedic Residents: CMS Reporting of an Exempt Population”*
“The Cost Variability of Orthobiologics”
- Southern Orthopaedic Association Annual Meeting 2018
Palm Beach, FL, July 11-14, 2018
“Mechanism of ACL Injury in NFL Players: A Video Analysis”
- Alabama Orthopedic Society Annual Meeting 2018
Point Clear, AL, May 17-19, 2018
“Trends and Risk Factors in Orthopaedic Lawsuits: Analysis of a National Legal Database”
- Mid-America Orthopaedic Association Annual Meeting 2018
San Antonio, TX, April 18-22, 2018
“Radiographic Comparison of Stemmed and Stemless Shoulder Arthroplasty”
“Subscapularis Sparing Anatomic Total Shoulder Arthroplasty Through a Superolateral Approach”
“Comparison of Distal Clavicle and Coracoid for Anterior-Inferior Glenoid Augmentation: An Anatomic Study”
“Orthopedic Surgeons and Statistics: Assessing Resident Attitudes and Knowledge”
- UAB Huntsville Regional Campus Research Conference 2018
Huntsville, AL, April 3, 2018
“Evaluation of Orthopaedic Trauma Fellowship Web Sites and an Assessment of 21 Content Domains”
- 2018 University of Alabama at Birmingham Research Roundtable Conference 2018
Birmingham, AL, March 13, 2018
“Subacromial Spacer Implantation for the Treatment of Massive Irreparable Rotator Cuff Tears (MIRCT): A Systematic Review”
“Clinical Outcomes of Isolated Greater Tuberosity Fracture Fixation: A Systematic Review”
- Medical Association of the State of Alabama Annual Session 2017
Montgomery, AL, April 14-15, 2017
“Outcomes with Overlapping Surgery at a Large Academic Medical Center”
(Awarded Best Poster Presentation)
- Southern Orthopaedic Association Annual Meeting 2016
Naples, FL, July 27-30, 2016
“Biomechanical Comparison of PEEK Plate Versus Screw Fixation for Arthrodesis”
- Alabama/Mississippi Orthopaedic Society Joint Annual Meeting 2016
Point Clear, AL; May 12-14, 2016
“Risks of Same-Admission Blood Transfusions during Operative Treatment of Proximal Femoral Neck Fractures”
“To Fix or Not? In-Hospital Cost and Complication Analysis of Impending and Acute Pathologic Fracture Treatment”

“Risk Factors for Same-Admission Mortality After Pathologic Fracture Secondary to Metastatic Cancer: A Review of the Nationwide Inpatient Sample”

- 32nd Southern Orthopaedic Association Annual Meeting 2015
Asheville, NC, July 15-18, 2015
“The Effect of Traction on Neuroma Formation”
“Perioperative Risk Factors After Intramedullary Nailing of Pediatric Femur Fractures”
- 31st Southern Orthopaedic Association Annual Meeting 2014
Avon, CO; July 16-19, 2014
“Clinical Outcomes of a Novel Figure-of-Eight Sternoclavicular Joint Reconstruction Technique”
- Southern Pain Society Annual Conference 2013
New Orleans, LA, September 20-22, 2013
“A Comparison of the Efficacy of Continuous Nerve Block with Stimulating Catheters Placed Under Ultrasound Guidance Versus Non-Stimulating Catheters Placed Under Ultrasound Guidance: Preliminary Results”
- Mid-America Orthopaedic Association Annual Meeting 2013
Amelia Island, FL, April 17-21, 2013
“Surgical Telementoring: Augmented Reality in Orthopaedic Education”
- Mid-America Orthopaedic Association Annual Meeting 2011
Tucson, AZ, April 6-10, 2011
“Detection of Estrogen, Progesterone and Relaxin Receptors in the Shoulder”
- Mid-America Orthopaedic Association Annual Meeting 2008
Orlando, FL, April 16-20, 2008
“The Significance of Calcar Restoration in Preventing Varus Collapse of Proximal Humerus Fractures Following Reconstruction with Locking Plating”
- Podium Presentations**
- 20th Annual Multispecialty Conference on Medical Negligence and Risk Management 2020
Kohala Coast, Hawaii, January 6-8, 2020
“Minimizing the Risk of Joint Replacement Infections and Other Early Complications”
“Use of Robots in Orthopedic Surgery: Medical and Legal Pitfalls”
“Avoiding Litigation in Arthroscopic Surgery”
- American Shoulder and Elbow Surgeons 2019
New York City, New York, October 19, 2019
“Shoulder Fracture” Session Moderator
- American College of Surgeons (ACS) Quality and Safety Conference 2019
Washington DC, July 19-22, 2019
“Optimization of Orthopaedic Surgical Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses”
- Mid-America Orthopaedic Association Annual Meeting 2019

- Miramar Beach FL, April 10-14, 2019
“Intraoperative Prophylactic Techniques for the Prevention of Periprosthetic Joint Infection in Primary Total Joint Arthroplasty: A Systematic Review and Meta-Analysis”
“Ultrasound and Clinical Assessment After Subscapularis Sparing Anatomic Total Shoulder Arthroplasty”
“Optimization of Orthopedic Surgical Instrument Trays: Lean Principles to Reduce Fixed Operating Room Expenses”
“Surgical Decompression for Thoracic Outlet Syndrome in Adolescent Patients”
“Impact of Caffeine on Early Rotator Cuff Healing in a Rat Model”
“The Cost Variability of Orthobiologics”
- American Shoulder and Elbow Surgeons (ASES) Annual Meeting 2016
 Boston, MA, October 6-9, 2016
“Arthroscopic Versus Open Rotator Cuff Repair: Which Has a Better Impact Profile?”
- Southeastern Trauma Symposium 2016
 Sandestin, FL, August 5-7, 2016
“Reverse Total Shoulder Arthroplasty for Fractures of the Proximal Humerus”
- Alabama/Mississippi Orthopaedic Society (AOS/MOS) 2016 Joint Annual Meeting 2016
 Point Clear, AL, May 12-14, 2016
“Blood Transfusion During Total Ankle Arthroplasty Is Associated with Increased In-Hospital Complications and Costs”
“To Fix or Not? In-Hospital Cost and Complication Analysis of Impeding and Acute Pathologic Fracture Treatment”
“The Effect of Suture Width on Rotator Cuff Repair: A Biomechanical Analysis”
“Early Readmission After Shoulder Arthroplasty”
“Psychomotor Testing for Orthopaedic Residency Applicants: A Pilot Study”
- American Academy of Orthopaedic Surgeons (AAOS) 2016 Annual Meeting 2016
 Orlando, FL, March 1, 2016
 Moderator: *“20/20 Hindsight: You Don’t Know What You Need to Know Until You Need to Know It!”* Practice Management Course for Residents and Fellows-in-Training
- Mid-America Orthopaedic Association (MAOA) 2016 Annual Meeting 2016
 Bonita Springs, FL, April 16, 2016
“Risk Factors for Complications and Readmission after Operative Fixation of Pediatric Femur Fractures”
- Musculoskeletal Tumor Society / International Society for Limb Salvage Annual Meeting 2015
 Orlando, FL, October 5-7, 2015
“Prophylactic Fixation of Impending Pathologic Fractures: In-Hospital Cost and Complication Analysis as Compared to Acute Fracture Fixation”
- Musculoskeletal Tumor Society Annual Meeting 2015
 Orlando, FL, October 6-10, 2015

“Risk Factors for Mortality After Pathologic Fracture Secondary to Metastatic Cancer”

- Southern Orthopaedic Association Annual Meeting 2015
Asheville, NC, July 15-18, 2015
“Effects of Traction During Nerve Transection on Neuropathic Pain in a Rat Amputation Model”
“Risk Factors for Short-Term Adverse Events and Readmission After Operative Fixation of Pediatric Femur Fractures with Intramedullary Implants”
- Alabama Orthopaedic Society 64th Annual Meeting 2015
Sandestin, FL, April 9-11, 2015
Moderator, 4/10/2015
“Effects of Traction During Nerve Transection on Neuropathic Pain in a Rat Amputation Model”
“Risk Factors for Short-Term Adverse Events and Readmission After Operative Fixation of Pediatric Femur Fractures with Intramedullary Implants”
“Surgical Debridement of Septic Arthritis: Does Technique Affect Mortality?”
- American Academy of Orthopaedic Surgeons Annual Meeting 2015
Las Vegas, NV, March 24-28, 2015
“Comparative Analysis of Anatomic and Reverse Total Shoulder Arthroplasty: In-Hospital Outcomes and Costs”
- Southern Orthopaedic Association Annual Meeting 2014
Beaver Creek, CO, July 16-19, 2014
“Clinical Outcomes of a Novel Figure-of-Eight Sternoclavicular Joint Reconstruction Technique”
- Alabama Orthopaedic Society 63rd Annual Meeting 2014
Birmingham, AL, March 26, 2014
Moderator and President Elect
“Flexor Tendon Repair with a Knotless, Bidirectional Barbed Suture: An In Vivo Biomechanical Analysis”
“Biomechanical Evaluation of the Incline Horizontal Mattress Stitch”
“Electronic Medical Record Implementation: The Resident Perspective”
- Mid-America Orthopaedic Association Annual Meeting 2014
San Antonio, TX, April 23-27, 2014
“Biomechanical Evaluation of the Incline Horizontal Mattress Stitch”
- Arthroscopic Association of North America Annual Meeting 2013
San Antonio, TX, April 27, 2013
“Surgical Telementoring: Augmented Reality in Orthopaedic Education”
- Mid-America Orthopaedic Association Annual Meeting 2013
Amelia Island, FL, April 18, 2013
“Comparative Effectiveness of Prophylactic Antibiotic Choice and Surgical Infection in Arthroplasty”
“Reverse Total Shoulder Arthroplasty in the Osteoporotic Patient”
“Determinants of Readmission: An Analysis of 28,041 Elective Arthroplasty Procedures”

“Arthroscopic Decompression at the Suprascapular Notch: A Radiograph and Anatomic Roadmap”
“The Rotator Cuff Exam: Adding Palpation to Your Diagnostic Armamentarium”

American Academy of Orthopaedic Surgeons Annual Meeting 2013
Chicago, IL, March 22, 2013

“Comparative Effectiveness of Prophylactic Antibiotic Choice and Surgical Infection in Arthroplasty”

Research and Innovations in Medical Education Meeting 2012
Birmingham, AL, September 26, 2012

“Surgical Telementoring: Augmented Reality in Orthopaedic Education”

Alabama Orthopaedic Society Annual Meeting 2012
Sandestin, FL, May 2012

“The Effect of Sliding Knots on the Suture-Tendon Interface: A Biomechanical Analysis Comparing Sliding and Arthroscopic Knots”

American Academy of Orthopaedic Surgeons Annual Meeting 2012
San Francisco, CA, February 7-11, 2012

“Sternoclavicular Joint Surgery: How Far Does Danger Lurk Below?”

Alabama Orthopaedic Society Annual Meeting 2011
Point Clear, AL, May 19-21, 2011

“Social Networking and Professionalism in Residency Applicants”

“Factors Associated with Cartilage and Meniscal Lesions in Primary and Revision ACL Reconstructions: An Evaluation of 3069 Reconstructions”

Mid-America Orthopaedic Association Annual Meeting 2011
Tucson, AZ, April 6-10, 2011

“Relationship Between Rotator Cuff Tear Type and Acromial Impingement”

“Social Networking Profiles of Orthopaedic Surgery Applicants: Are there Concerns for Professionalism?”

“Is Smoking a Risk Factor for Complications After Elective Primary Total Knee and Total Hip Arthroplasty?”

American Academy of Orthopaedic Surgeons Annual Meeting 2011
San Diego, CA, February 15-19, 2011

“Is Smoking a Risk Factor for Complications after Elective Primary Total Knee/Hip Arthroplasty?”

American Association of Hip and Knee Surgeons Annual Meeting 2010
Dallas, TX, November 5-7, 2010

“Is Smoking a Risk Factor for Complications after Elective Primary Total Knee/Hip Arthroplasty?”

Alabama Orthopaedic Society Annual Meeting 2010
Sandestin, FL, May 13-15, 2010

“Biomechanical Evaluation of Three Arthroscopic Self-Cinching Stitches in Shoulder Arthroscopy: The Lasso Loop, Lasso-Mattress and Double-Cinch Stitches”

- Mid-America Orthopaedic Association Annual Meeting 2010
 Lost Pines, TX, April 21-25, 2010
“Biomechanical Evaluation of Three Arthroscopic Self-Cinching Stitches in Shoulder Arthroscopy: The Lasso Loop, Lasso-Mattress and Double-Cinch Stitches”
“Traveling Fellowship Presentation: 2009 – 2010 Traveling Fellow”
“Effect of Repetitive Screw Insertion on Pullout Strength of Metaphyseal Osteoporotic Bone”
- American Academy of Orthopaedic Surgeons Annual Meeting 2010
 New Orleans, LA, March 8-12, 2010
“Revision ACL Reconstructions: An Evaluation of 294 Patients from a Single Institution”
“Evaluation of 54 Failed Primary ACL Reconstructions’ Ensuing Revisions from a Single Institution”
- Clinical Orthopaedic Society Annual Meeting 2009
 Point Clear, AL, September 10-12, 2009
“The Effect of Repetitive Insertion on the Pullout Strength of Screws”
- Alabama Orthopaedic Society Annual Meeting 2009
 Point Clear, AL, April 23-26, 2009
“A Biomechanical Evaluation of a Novel, Self-Cinching Stitch for Shoulder Arthroscopy: The Lasso-Loop Stitch”
“The Effect of Instrument Size and Tissue Bite Size on Rotator Cuff Stitch Strength”
- Mid-America Orthopaedic Association Annual Meeting 2009
 Amelia Island, FL, April 23-26, 2009
“A Biomechanical Evaluation of a Novel, Self-Cinching Stitch for Shoulder Arthroscopy: The Lasso-Loop Stitch”
“The Effect of Instrument Size and Tissue Bite Size on Rotator Cuff Stitch Strength”
“The Effect of Tissue Bite Size on Rotator Cuff Stitch Strength: Is Bigger Better?”
- American Academy of Orthopaedic Surgeons Annual Meeting 2009
 Las Vegas, NV, February 26-28, 2009
“The Effect of Instrument Size on Rotator Cuff Stitch Strength: Is Bigger Better?”
- Alabama/Mississippi Orthopaedic Society Annual Meeting 2008
 Sandestin, FL, May 1-3, 2008
“Sequential Volume Reductions of the Shoulder Using Arthroscopic Plications: A Cadaveric Study”
“The Effect of Arthroscopic Rotator Interval Closure on Glenohumeral Volume”
- Southeastern Meeting of the American Society of Biomechanics 2008
 Birmingham, AL, April 27-29, 2008

“A Biomechanical Evaluation of Proximal Humeral Fractures Treated with Locking Plate Fixation – Importance of Calcar Comminution and Screw Length”

Mid-America Orthopaedic Association Annual Meeting 2008
Orlando, FL, April 16-20, 2008

“Biomechanical Importance of Calcar Restoration in Locked Plate Osteosynthesis of Proximal Humerus Fractures”

American Academy of Orthopaedic Surgeons Annual Meeting 2008
San Francisco, CA, March 5-8, 2008

“MDI of the Shoulder: How Many Arthroscopic Plications Equals an Open Capsular Shift?”

“The Effect of Arthroscopic Rotator Cuff Interval Closure on Capsular Volume”

Alabama Self Insured Association Conference 2008
Sandestin, FL, August 13, 2008

“Heterotopic Ossification in Association with Vitamin D Deficiency and Secondary Hyperparathyroidism”

European Society for Surgery of the Shoulder and Elbow Annual Meeting 2005
Rome, Italy, September 21-24, 2005

“Mechanical and Clinical Analysis of a Novel Subscapularis Repair Technique for Shoulder Arthroplasty”

American Academy of Orthopaedic Surgeons Annual Meeting 2005
Washington, DC, February 23-27, 2005

“Mechanical and Clinical Analysis of a Novel Subscapularis Repair Technique for Shoulder Arthroplasty”

Society of Military Orthopaedic Surgeons Annual Meeting 2004
Vail, CO, December 7-10, 2004

“Lesser Tuberosity Osteotomy in Total Shoulder Arthroplasty – A Biomechanical Analysis and Clinical Evaluation”

American Academy of Orthopaedic Surgeons Annual Meeting 2004
San Francisco, CA, March 10-14, 2004

“Tibial Non-Union Treated via Posterolateral Approach and Plate Fixation”

Oral Presentations

National/International Meetings:

Birmingham, AL, November 8, 2019 2019

“Orthopaedic Collaboration: One Faculty’s Journey”

Arkansas Orthopaedic Society 2019
Humphrey, AR, January 11, 2019

“Factors Affecting Shoulder Outcomes”

University of Missouri Grand Rounds 2018
Columbia, MO, October 24, 2018

“Burnout”

Southeastern Orthopaedic Symposium Destin, FL, August 2-6, 2018 <i>"Anatomic Shoulder Arthroplasty"</i> <i>"Young Shoulder Osteoarthritis"</i> <i>"Rotator Cuff Repair"</i> <i>"Reverse Total Shoulder Arthroplasty"</i>	2018
ASES Southern Shoulder Course Nashville, TN, September 23, 2016 <i>"The Role of Psychological Distress in Patients Presenting to Shoulder Clinic"</i>	2016
UAB Orthopaedic Surgery Residency Research Day & Graduation Birmingham, AL, June 17, 2016 <i>"Psychological Distress is Associated with Greater Perceived Disability and Pain in Patients Presenting to a Shoulder Clinic"</i>	2016
38 th Annual International Conference of the IEEE Engineering in Medicine and Biology Society Orlando, FL, August 17-20, 2016 <i>"Telemedicine with Mobile Devices and Merged Reality for Early Postoperative Care"</i>	2016
Professional Development Conference for Health Professions Financial Aid & Student Records Administrators San Antonio, TX, January 14-16, 2015 <i>"Visiting Student Elective Programs: The Good, The Bad and the Ugly"</i>	2015
Sirius Radio National Call-In Guest Radio Show	2014. 2015
Ribeirao Shoulder Meeting; Ribeirao Preto Sao Paulo, Brazil, March 28-29, 2014 <i>"How You Can Improve Treating Proximal Humerus Fractures"</i> <i>"VIPAAR System – Best Exposition in AAOS 2013"</i> <i>"Updates in Shoulder Instability"</i> <i>"Guide for Releasing the Suprascapular Nerve"</i> <i>"Rare Cases in Shoulder Surgery"</i> <i>"How You Can Improve Your Rotator Cuff Repair"</i>	2014
American Academy of Orthopaedic Surgeons Annual Meeting – Lab Instructor Chicago, IL, March 21, 2013 <i>"The Rotator Cuff Mastery Course"</i>	2013
University of Missouri Grand Rounds, Orthopaedic Surgery Residency Columbia, MO, September 4-5, 2012 <i>"Virtual Surgery in Orthopaedic Education"</i>	2012
Veterans' Administration Health Care System National Presentation Boston, MA, June 19, 2012 <i>"Interfacility Orthopaedic Research – Opportunities for Everyone!"</i>	2012
American Academy of Orthopaedic Surgeons Annual Meeting – Instructor	2012

San Francisco, CA, February 9, 2012
“The Rotator Cuff Mastery Course”

Local/Regional Meetings:

Resident Research Day 2019
Birmingham, AL, June 21, 2019
“Burnout in Orthopaedic Residents”

AOS/MOS Regional Meeting 2019
Destin, FL, May 16-18 2019
“Variables Affecting Reverse Total Shoulder Arthroplasty”

Resident Research Day 2016
Birmingham, AL, June 17, 2016
“Psychological Distress is Associated with Greater Perceived Disability and Pain in Patients Presenting to a Shoulder Clinic”

Resident Research Day 2015
Birmingham, AL, June 19, 2015
“What has NIS/NSQIP taught us about the shoulder”

14th Annual South East Trauma Symposium 2015
Sandestin, FL, July 16-19, 2015
“Sternoclavicular Joint Injuries”
“Intramedullary Nail for Fractures: Blessing or Curse?”
“Why I Should Consider Doing Reverse Total Shoulder Arthroplasty”

13th Annual South East Trauma Symposium 2014
Sandestin, FL, July 17-20, 2014
“Total Shoulder Arthroplasty: Decision Making and Preoperative Planning”
“Rotator Cuff Tears: 2014”
“Revision Arthroplasty: Do All Roads End with Reverse?”

UAB Grand Rounds, Center for Physiatry Medicine 2013
Birmingham, AL, November 22, 2013
“Around the Shoulder in 60 Minutes: Physical Examination, Diagnosis and Treatment of Common Shoulder Disorders”

Alabama Worker’s Compensation Organization Spring Meeting 2013
Birmingham, AL, May 2, 2013
“Ten Pearls Regarding the Worker’s Shoulder”

UAB Grand Rounds, Rheumatology Conference 2012
Birmingham, AL, October 4, 2012
“Shoulder Anatomy and Examination: Around the Shoulder in 60 Minutes”

Alabama Orthopaedic Society Annual Meeting – Moderator 2011
Point Clear, AL, May 19-21, 2011
“Lewis D. Anderson Lecture”

Alabama Self Insured Association Meeting – Panel Member 2010
Sandestin, FL, August 13-17, 2010

“Warranty Work: How Do We Handle Failed Treatment Regimens”

Worker’s Compensation Association of West Alabama Annual Educational Seminar
Tuscaloosa, AL, February 24, 2009

“No Shoulder Left Behind: Returning the Injured Shoulder to Work”

Alabama Orthopaedic Society Annual Meeting
Point Clear, AL, April 23-26, 2009

“Partial Thickness Rotator Cuff Tears”

Clinical Orthopaedic Society Annual Meeting – Presenter and Moderator
Point Clear, AL, September 10-12, 2009

“Update on Shoulder Instability”

UAB Grand Rounds, Division of Orthopaedic Surgery
Birmingham, AL, September 18, 2007

“Current Concepts in Shoulder Arthroplasty”

South East Trauma Symposium
Sandestin, FL, July 2, 2007

“Combat Orthopaedic Injuries”

“Shoulder Soft Tissue Trauma”

Rocky Mountain Shoulder and Elbow Meeting
Vail, CO, June 19-21, 2006

“The AC Joint: Surgical Techniques and Avoiding Complications”

Scientific Exhibits:

American Roentgen Ray Society Annual Meeting – Electronic Educational Exhibit
Toronto, Canada, April 19-24, 2015

“Shoulder Arthroplasties: What the Radiologist Should Know Before and After Surgery”

American Academy of Orthopaedic Surgeons Annual Meeting
Chicago, IL, March 19-23, 2013

“Telementoring: Virtual Reality in Orthopaedic Education”

American Academy of Orthopaedic Surgeons Annual Meeting
Washington, DC, February 23-27, 2005

“Subscapularis Dysfunction After Total Shoulder Arthroplasty: Biomechanical and Clinical Analysis of a Novel Lesser Tuberosity Osteotomy Repair Technique”

Patents:

US20210113343A1	Glenoid bone graft retention plate	2021
US20150359576A1	Apparatus for the fixation of proximal humerus fractures	2005
US20150313653A1	Fixation device for proximal humerus fractures	2005
WO2010053994	Joint Exposure Device	2005

Manuscripts Accepted for Publication:

Available upon request

Manuscripts Submitted but not yet Accepted:

Available upon request

Manuscripts in Preparation:

Available upon request