

Eric R. WAGNER M.D., M.S., fAAOS

Associate Professor

Division of Upper Extremity Surgery

Department of Orthopaedic Surgery

Associate Program Director, Hand and Upper Extremity Fellowship

Director of Upper Extremity Research

Medical Director, Emory Orthopaedics PA/NP Fellowship

Adjunct Faculty Division of Plastic Surgery

Adjunct Faculty Morehouse School of Medicine

Emory University, Atlanta, GA

EDUCATION/TRAINING

- 2017 – 2018 **Harvard Division of Shoulder and Elbow Surgery**– Boston, MA
Shoulder and Elbow Surgery Fellowship
- 2016 – 2017 **Mayo Clinic Division of Hand Surgery** – Rochester, MN
Hand Surgery Fellowship
- 2011 – 2016 **Mayo Clinic Department of Orthopaedic Surgery** – Rochester, MN
Orthopaedic Surgery Residency
- 2011 – 2016 **Mayo Clinic Graduate School** – Rochester, MN
Masters of Sciences, Biomedical Sciences
- 2009 – 2011 **Molecular Oncology and Tissue Regeneration Fellowship** – Chicago, IL
University of Chicago Molecular Laboratory and Department of Orthopaedic Surgery
- 2006 – 2011 **University of Chicago, Pritzker School of Medicine** – Chicago, IL
Doctor of Medicine, 2006-2011; USMLE Step 1- 268 (99th %)
- 2001 – 2005 **University of California, Davis** – Davis, CA
Bachelor of Sciences in Biochemistry and Molecular Biology, (GPA – 3.81)

LICENSURE AND BOARD CERTIFICATION

- 2021 – present American Board of Orthopedic Surgery, Certificate of Added Qualification for Hand (CAQ): 2021
- 2021 – present Fellows American Academy of Orthopaedic Surgeons (fAAOS)
- 2020 – present ABOS Board Certified (Part 2 (Oral) Passed)

- 2018 – present Georgia State Medical License
- 2016 ABOS Part 1 (Written) Passed

ACADEMIC COMMITTEES

- 2024 Co-Chairman of International Wrist Arthroscopy Society (IWAS) Course at the Federation of European Societies for Surgery of the Hand (FESSH) Annual Meeting, Rotterdam, Netherlands, June 27-29, 2024
- 2024 – present Deputy Editor, Shoulder and Elbow, for Journal of American Academy of Orthopaedic Surgery (JAAOS)
- 2025 – 2028 Guest Editor, Journal of Bone and Joint Surgery (JBJS) Specialty Update, *What's New in Hand Surgery*
- 2024 – present Nominations Committee Member, American Association for Hand Surgery (AAHS)
- 2023 – 2024 Co-Chairman of the American Society of Hand Surgery (ASSH) 2024 Annual Meeting in Minneapolis, Minnesota
- 2023 – 2024 Co-Chairman of the American Shoulder and Elbow Society (ASES) Specialty Day at the American Academy of Orthopaedic Surgery (AAOS) 2024 Annual Meeting, San Francisco, California.
- 2021 – present Founder and Chair of American Shoulder and Elbow Surgeon's (ASES) Virtual Journal Club
- 2020 – present Editorial Board, Hand.e of American Society for Surgery of the Hand (ASSH)
- 2020 – present Member of the Research Committee for American Shoulder and Elbow Society (ASES)
- 2020 – present Member of the Young Members Steering Committee for American Society for Surgery of the Hand (ASSH)
- 2020 – present Member of the Steering Committee for the Adrian E. Flatt Residents and Fellows Conference in Hand Surgery at the American Society for Surgery of the Hand (ASSH) Annual Meeting
- 2020 – present Director of Research for the Emory Orthopaedic Surgery's FOSSIL Program as part of its diversity and inclusion initiative

- 2019 – present Member of Program Education Committee (PEC) for Emory University Orthopaedic Surgery Residency
- 2019 – 2024 Editorial Board for Techniques in Hand and Upper Extremity Surgery Journal (THUES)
- 2019 – 2024 Editorial Board for European Journal of Orthopaedic Surgery and Traumatology (EJOST)
- 2019 – present Member of the Evidence Based Practice Committee of the American Society for Surgery of the Hand (ASSH)
- 2018 – present Member of Young Leaders Group, Emory Orthopaedic Surgery Department
- 2018 – present Editorial Board for Journal of Hand Surgery GO, American Society for Surgery of the Hand (ASSH)
- 2018 – present Member of the International Relations Committee of the American Society for Surgery of the Hand (ASSH)
- 2018 – present Member, International Wrist Investigators Workshop (IWIW)
- 2019 Emory Clinic Young Leaders Development Program, Emory University
- 2014 – present Member of the Research Management Committee (RMC) of the American Society for Surgery of the Hand (ASSH)
- 2015 – present Member of the Emerging Leaders Program, American Orthopaedic Association (AOA)
- 2015 Resident Leadership Forum (RLF) Participant, American Orthopaedic Association (AOA)
- 2014 – 2016 Member of the Committee on Scientific Research for the Residents/Fellows Assembly for the American Medical Association (AMA)
- 2013 – 2016 Member of Orthopaedic Research Committee (ORC)
Department of Orthopaedic Surgery, Mayo Clinic – Rochester

PROFESSIONAL ACTIVITY AND AFFILIATIONS

- 2020 – present Member, American Association for Hand Surgery (AAHS)
- 2019 – present Associate Member, American Shoulder and Elbow Society (ASES)

- 2019 – present Member, Congress of the European Society of Surgery for the Shoulder and Elbow (SECEC)
- 2019 – present Member, Eastern Orthopaedic Association (EOA)
- 2019 – present Member, Georgia Society for Surgery of the Hand (GSSH)
- 2019 – present Member, Georgia Shoulder and Elbow Society (GSES)
- 2019 – present Member, Georgia Orthopaedic Society (GOS)
- 2017 – present Member, American Orthopaedic Association (AOA)
- 2014 – present Member, American Society for Surgery of the Hand (ASSH)
- 2013 – present Fellow, American Academy of Orthopaedic Surgery (AAOS)
- 2014 – 2016 Delegate at the American Medical Association (AMA) Annual Meeting representing the American Association of Hand Surgery (AAHS)
- 2013 – 2018 Member, Mid America Orthopaedic Association (MAOA)
- 2013 – present Member, American Medical Association (AMA)
- 2009 – 2011 Member, Admissions Committee, Pritzker School of Medicine – Chicago, IL

EDITORIALSHIPS (Journals, Textbooks, etc.)

- 2025 – 2028 Guest Editor, Journal of Bone and Joint Surgery (JBJS) Specialty Update, *What's New in Hand Surgery*
- 2024 – present Deputy Editor, Shoulder and Elbow, Journal of American Academy of Orthopaedic Surgery (JAAOS)
- 2023 Editor, Special Issue on Compression Neuropathies, Journal of Hand Surgery Global Open (JHS GO)
- 2020 – present Editor, Hand.e of American Society for Surgery of the Hand (ASSH)
- 2019 – 2023 Editor, European Journal of Orthopaedic Surgery and Traumatology (EJOST)
- 2019 – 2022 Editor, Nerve Injuries after Orthopaedic Surgeries Textbook
- 2019 – 2023 Editor, Techniques in Hand and Upper Extremity Surgery Journal (THUES)

2018 – present Editor, Journal of Hand Surgery Global Open (JHS GO)

JOURNAL REVIEWER

2020 – present Invited Reviewer, American Journal of Sports Medicine (AJSM)

2020 – present Invited Reviewer, Seminars in Arthroplasty: JSES

2019 – present Invited Reviewer, European Journal of Orthopaedic Surgery and Traumatology (EJOST)

2019 – present Invited Reviewer, Techniques in Hand and Upper Extremity Surgery Journal (THUES)

2018 – present Invited Reviewer, Journal of Hand Surgery Global Open (JHS GO)

2018 – present Invited Reviewer, Journal of Bone and Joint Surgery (JBJS)

2018 – present Invited Reviewer, Journal of Shoulder and Elbow Surgery (JSES)

2017 – present Invited Reviewer, Journal of Shoulder and Elbow Arthroplasty (JSEA)

2017 – present Invited Reviewer, Journal of Hand Surgery (JHS)

MEDIA APPEARANCES

Fox News Local Television Interview 2019: Association between Mobile Phone Usage and Thumb Injuries

AAOS Now 2019: The Increasing Burden of Musculoskeletal Care from Rising E Scooter Injuries

Fox News Local Television Interview 2020: Rising E Scooter Injuries and the Impact on Musculoskeletal Care

Imaging Technology News (ITN) 2021: The Novel Use of Dynamic Digital Imaging to Evaluate and Treat Shoulder Pathologies.

AAOS Now 2021: Using Dynamic Digital Imaging Change the Diagnostic and Treatment Algorithms for Shoulder Pathologies.

Orthopaedics Today 2021 Cover Story: Advancements in Wrist Arthroplasty May Improve Results.

AAOS Innovation Hub 2022: The Future of Imaging: Dynamic Digital Imaging in the Diagnostic and Treatment of Upper Extremity Pathologies.

Imaging Today 2022: Emory Healthcare Researcher Wins Two Awards Using Konica Minolta's AI Analysis Tool With Dynamic Digital Radiography in Shoulder Pathology

AAOS Innovation Hub 2023: Using Dynamic Digital Radiography to Improve our Diagnostic and Treatment Algorithms.

CONSULTANTSHIPS/ADVISORY BOARDS

Consultant, Stryker, 2020 – present

Robotic Total Shoulder Design Team, Stryker, 2020 – present

Consultant, Wright Medical, 2020 – 2021

Consultant, Biomet, 2021 – present

Consultant, Acumed, 2021 – present

Consultant, Osteoremedies, 2021 – present

Digital Advisory Board, Stryker, 2021 – present

Consultant, Depuy-Synthes, 2024 – present

Consultant, Smith and Nephew, 2024 – present

AWARDS

2024 First Place at Georgia Orthopaedic Society 2024 Resident Competition. "Arthroscopic-Assisted Lower Trapezius Transfer vs. Superior Capsular Reconstruction for Treatment of Massive Irreparable Rotator Cuff Tears." Georgia Orthopaedic Society Annual Meeting. Sept 2024

2024 Third Place at Georgia Orthopaedic Society 2024 Resident Competition. "Interfragmentary Screws Versus Intramedullary Screw for Proximal Phalanx Fractures: A Biomechanical Study in Matched Hands." Georgia Orthopaedic Society Annual Meeting. Sept 2024

2024 SOA/OREF Resident Top Paper Presentation Award Winner: Arthroscopic-Assisted Lower Trapezius Transfer vs. Superior Capsular Reconstruction for Treatment of Massive Irreparable Rotator Cuff Tears. SOA. Miami Beach, FL. July 20, 2024.

2024 Emory Orthopaedic Surgery Residency Clinical Teaching Award, Best Lecturer for 2023-2024.

- 2024 Emory Orthopaedic Surgery Residency Teaching Award, Best Research Collaborator for 2023-2024.
- 2023 Best Poster Award at the American Society of Surgery for the Hand (ASSH) 2023 Annual Meeting: Best Poster Presentation: Oral Medrol Dosepack in Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial
- 2023 British Elbow and Shoulder Society (BESS) Ian Kelly Prize 2023 – awarded to the presenter of the second highest scoring paper for: “Artificial intelligence automated analysis of scapula dynamics using dynamic digital radiography: A validation and reliability study”
- 2023 Emory Orthopaedic Surgery Residency Teaching Award, Best Research Collaborator for 2022-2023.
- 2023 Emory Orthopaedic Surgery Residency Teaching Award, Best Clinical Lecturer for 2022-2023.
- 2023 First Place at Georgia Orthopaedic Society 2023 Resident Competition. “Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial.” Georgia Orthopaedic Society Annual Meeting 2023. Sept 2023
- 2023 Southern Orthopaedic Association President’s Top Resident Paper: “Methylprednisolone Taper Reduces Acute Pain and Opioid Consumption after TSA”
- 2023 Charles S. Neer Award 2023, Best Clinical Paper of the Year in the Field of Shoulder Surgery: “Methylprednisolone Dosepack is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial”
- 2023 Atlanta Magazine Top Doctors (Orthopaedic Surgery Subspecialty) Award 2023.
- 2022 Emory Orthopaedic Surgery Residency Teaching Award, Best Research Collaborator for 2021-2022.
- 2022 Emory Orthopaedic Surgery Residency Teaching Award, Best Clinical Lecturer for 2021-2022.
- 2022 Presenter’s Choice Award Winner 2022 OREF Eastern Region Resident Research Symposium: “Artificial Intelligence Automated Analysis of Scapula Dynamics using Dynamic Digital Radiography: An Initial Reliability Study.”
- 2022 Best Overall Paper Runner-Up, 2022 OREF Eastern Region Resident Research Symposium: “Artificial Intelligence Automated Analysis of Scapula Dynamics using Dynamic Digital Radiography: An Initial Reliability Study.”

- 2022 Atlanta Magazine Top Doctors (Orthopaedic Surgery Subspecialty) Award 2022
- 2022 Presidential Keynote Speaker at the Mexican Orthopaedic Association Annual Meeting for the Shoulder and Elbow Section, April 27 to May 1, 2022.
- 2022 American Orthopaedic Association (AOA) North American Traveling Fellowship (NATF) Award for 2022
- 2021 Best Paper of the Year 2021 Award from JHS GO: "Management of Acute Distal Radioulnar Joint Instability Following a Distal Radius Fracture: A Systematic Review and Meta-Analysis" published in Volume 3, Issue 3 of The Journal of Hand Surgery Global Online (JHS GO)
- 2021 American Society for Surgery of the Hand (ASSH) Richard H. Gelberman Award for 2020-2021, International Traveling Fellowship
- 2021 Kelly Day Research Award 2021, Emory Department of Orthopaedic Surgery, 2nd Place: "Novel Measurement of Scapulohumeral Rhythm Using Dynamic Imaging"
- 2021 Thomas E Whites Resident Award, Georgia Orthopaedic Society (GOS), 2nd Place, Annual Meeting 2021: "Post-operative Glucocorticoid use in Shoulder Arthroplasty: Results of a Randomized-Control Trial"
- 2020 American Society for Surgery of the Hand (ASSH) Best Paper Award for Top Clinical Research Investigation at Annual Meeting, 2020: "Opioid Free Distal Radius Surgery: Methyprenidisolone is 50% of the Way There!"
- 2020 Emory Researcher Appreciation Day Top Clinical Researcher Award, Emory School of Medicine 2020
- 2020 Georgia Orthopaedic Society 2020 Thomas E. Whitesides Resident Award (2nd Place): Biomechanical Evaluation of Scapholunate Reconstruction Techniques.
- 2019 Musculoskeletal Tumor Society (MSTS) Award for 2019. "What reconstructive technique provides the best functional outcome following oncologic intraarticular resection of the proximal humerus?"
- 2019 First Alternate for the American Orthopaedic Association (AOA) North American Traveling Fellowship (NATF) for 2019
- 2019 European Society for Surgery of the Shoulder and Elbow (SECEC) Top Paper Finalist 2019, Copenhagen, Denmark: "Needle Arthroscopy vs. MRI: a prospective, blinded, randomized controlled trial."
- 2019 Emory Researcher Appreciation Day Top Clinical Researcher Award, Emory School of Medicine 2019

- 2019 John Joyce Award Finalist, International Society for Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) 2019, Las Vegas, NV: “Tendon Transfer Comparison for the Treatment of Posterosuperior Irreparable Rotator Cuff Tears.”
- 2019 Neer Award Finalist, American Shoulder and Elbow Society (ASES) at American Academy of Orthopedic Surgeons (AAOS) Specialty Day 2019, Las Vegas, NV: “Comparison of Open and Arthroscopic Tendon Transfers in the Treatment of Posterosuperior Irreparable Rotator Cuff Tears.”
- 2018 Robert Cofield Award for Top Podium Presentation at American Shoulder and Elbow Society (ASES) Fellows Conference: “Learning Curve of Superior Capsular Reconstruction”, presented at San Diego Shoulder Institute (SDSI) 2018.
- 2018 Top Educational Video Presentation, American Academy of Orthopedic Surgery (AAOS) 2018 Annual Meeting, New Orleans, LA: “Arthroscopic-assisted Lower Trapezius Transfer for Posterosuperior Irreparable Rotator Cuff Tears.”
- 2018 Top Paper Presentation, International Federation for Surgery of the Hand (IFSH) 2018 Annual Meeting, Singapore: “Frailty, using the 5-item modified frailty index, in Distal Radius Fractures”
- 2016 Best Poster for 2016 American Association of Hand Surgery (AAHS) Annual Meeting: “Predicting Failure and Complications in Total Wrist Arthroplasty; review of a 40-year experience” presented as best poster at 2016 Orthopedic Research Society (ORS) Annual Meeting.
- 2016 Mayo Clinic Patrick J. Kelly Traveling Fellowship Runner-up for Top Basic Science Paper: “VEGF-Mediated Angiogenesis and Vascularization of a Fumarate-Crosslinked Polycaprolactone (PCLF) Scaffold”
- 2015 Best Paper Award (1 of 3) at the European Shoulder and Elbow Society Annual Conference 2015, Milan, Italy: “BMI as a Continuous Variable in Shoulder Arthroplasty”
- 2014 Best Poster Award at the Residents and Fellows Section of the 2014 American Society for Surgery of the Hand (ASSH) Annual Conference: “FDS Opponensplasty through Guyon’s Canal”
- 2014 Mayo Clinic Patrick J. Kelly Traveling Fellowship Award for Top Basic Science Paper: “Ligament Tissue Engineering using a Novel Porous Polycaprolactone Fumarate (PCLF) Scaffold and Adipocyte Derived Mesenchymal Stem Cells and Platelet Lysate”
- 2014 Mayo Clinic Mark B. Coventry Traveling Fellowship Award for Top Clinical Paper: “BMI as a Continuous Variable Total Hip Arthroplasty”

- 2014 Best Paper Award in Clinical Investigation at 2014 Mid America Orthopaedic Association (MAOA) Annual Conference: “Total Hip Arthroplasty Survival Stratified according to BMI”
- 2013 Clinician Scholar Development Program. Selected to participate and represented American Society for Surgery of the Hand (ASSH) at AAOS/OREF/ORS event in Roseville, IL, from October 9-11, 2012.
- 2011 Leon O. Jacobson Prize for Top Translational Science Paper, “Examining the Inhibition of Osteosarcoma Tumorigenesis and Induction of Osteogenic Differentiation by IGFBP5” Senior Scientific Session, Pritzker School of Medicine
- 2010 Calvin Fentress Fellowship Award, “Examining the Mechanism Underlying Tumorigenic and Metastatic Inhibition of Osteosarcoma by IGFBP5”, Pritzker School of Medicine
- 2009 – 2011 Inaugural Pritzker Molecular Research Fellowship, University of Chicago Hospitals and Pritzker School of Medicine
- 2007 Top Clinical Science Award, “Prognosis Associated with Crohn’s Disease and Colorectal Cancer”, Pritzker Annual Research Conference – Chicago IL
- 2006 – 2011 Pritzker School of Medicine Scholarship for Full Tuition, Pritzker School of Medicine
- 2002 – 2003 Top Scholar Athlete, University of California Davis Men’s NCAA Division I Men’s Basketball Team
- 2002 Salt Lake City Olympic Torch Relay Runner – Dallas, TX: Nominated for Inspirational Role in Volunteering and Community Service, after an anonymous nominations and national competition

RESEARCH SUPPORT GRANTS

Ongoing Research Support

American Society of Surgery for the Hand (ASSH) Wagner (Site-PI)
Proficiency and Difficulty Scoring Tools for Finger Replantation: 01/01/23 – Present (2 years)
The goal of this project is to evaluate a replantation scoring tool to aid in decision-making and prognosis of finger replants.
Role: Site Principal Investigator

Marcus Foundation Boden (PI)
Multicenter trial of stem cell therapy for osteoarthritis (MILES): \$11,818,181 direct costs (3 years)
The goal of this project is to evaluate the various types of stem cell injections for knee osteoarthritis.
Role: Medical Monitor

American Society of Surgery for the Hand (ASSH) Wagner (PI)
11/01/20 – Present (4 years)
Opioid-Free Thumb Carpometacarpal Arthroplasty: A Double Blind Randomized Controlled Trial:
\$40,000
The goal of this project is to evaluate a multimodal pain protocol to produce adequate pain control, using a double blind placebo controlled trial to evaluate the potential to perform opioid-free surgery.
Role: Principal Investigator

National Institutes of Health (NIH) RO1 Chung (PI), Wagner (Site PI)
Surgery of the Ulnar Nerve (SUN) at the Elbow: \$66,394 at Emory over 4 years
The goal of this project is to perform a randomized controlled trial comparing in situ release to subcutaneous transposition in the treatment of ulnar neuropathy at the elbow.
Role: Site Principal Investigator

Konica Minolta DDR Gottschalk (PI), Wagner (Co-PI)
Dynamic Imaging of Wrist and Shoulder Pathologies: \$75,000 (2 years)
The goal of this project is to evaluate various shoulder and wrist pathologies using the novel dynamic imaging of Konica's DDR technology.
Role: Co-Principal Investigator

SEED Grants, Emory Orthopaedic Department Wagner (PI), Runge (Co-PI)
Analysis of Rapid Agents in the Diagnosis Shoulder Arthroplasty PJI
The goal of this project is to analyze the various diagnostic modalities in periprosthetic joint infections (PJI) of the shoulder using rapid and traditional methods.
Role: Principal Investigator

American Society of Surgery for the Hand (ASSH) Ghareeb (PI)
08/01/21 – Present (3 years)
Double Blind RCT to Evaluate the Effect of Botulinum Toxin on Raynaud Phenomenon
\$40,000
The goal of this project is to evaluate the efficacy of Botox when used to treat Raynaud Phenomenon at various dosages.
Role: Co-Investigator

American Society of Surgery for the Hand (ASSH) DeGeorge (PI)
08/01/21 – Present (2 years)
Topical Cannabinoids: An Opioid-Alternative Treatment Option for Arthritis Pain
\$40,000
The goal of this project is to evaluate the use of topical Cannabinoids as a treatment for hand and wrist arthritis.
Role: Co-Investigator

ASSH Residents/Fellows Fast Track Grant Graf/Wagner (PI)
12/01/21 – Present (2 years)
To Suture-Based DRUJ Stabilization: A Biomechanical Evaluation in Cadaveric Model

\$5,000

The goal of this project is to biomechanically evaluate multiple types of distal radioulnar joint reconstruction.

Role: Principal Investigator (Faculty Sponsor)

Stryker Endoscopy

Wagner (PI)

Randomized Controlled Trial of Rehabilitation after Subacromial Balloon Insertion

12/1/22 – Present (2 years)

The goal of this project is to evaluate different rehabilitation regimens after the treatment of massive irreparable rotator cuff tears with a subacromial balloon.

Role: Principal Investigator

Emory Synergy Grant

Giordano/Wagner/Miller (PI)

Characterizing Differential Postoperative Pain & Sleep Trajectories to Predict Chronic Pain Outcomes

\$99,956 (2 years)

The goal of this project is to evaluate the association with sleep and acute/chronic pain and outcomes after shoulder arthroplasty, as well as its association with various systemic inflammatory markers.

Role: Co-Principal Investigator

Completed Research Support

Arthrex

Daly (PI)

Scapholunate Reconstruction Biomechanical Properties: \$19,995 direct costs (1 year)

The goal of this project is to evaluate the biomechanical properties multiple techniques of reconstructing the scapholunate ligament.

Role: Co-Investigator

Center for Translational Science Association

Kakar (PI)

Development of a Mesenchymal Stem Cell Derived Neoligament for Intra-Articular Ligament

Reconstruction: \$200,000

The goal of this project was to create a 3D printed biodegradable ligament scaffold to facilitate ligament reconstruction via enthesis regeneration.

Role: Co-Investigator

Center for Regenerative Medicine, Mayo Clinic

Wagner/Kakar (PI)

Vascularized PCLF Scaffold for Soft Tissue Regeneration: \$50,000

The goal of this project was to develop a vascularized 3D printed biodegradable scaffold designed to improve tissue infiltration, soft tissue regeneration, and host tissue incorporation.

Role: Co-Principal Investigator

Center for Regenerative Medicine, Mayo Clinic

Wagner/Elhassan (PI)

Biological and Mechanical Augmentation of tendon reconstruction and transfers: \$50,000

The goal of this project was assessing the biological techniques (growth factors, stem cells, etc.) and mechanical techniques (autograft/allograft, early loading, etc.) during a novel animal model of tendon transfers and reconstruction.

Role: Co-Principal Investigator

Center for Regenerative Medicine, Mayo Clinic

Wagner/Elhassan (PI)

Molecular and Cellular Tendon Regeneration via biologic and surgical augmentation of tendon reconstruction and transfers: \$60,882

The goal of this project was improve the biological incorporation of tendon-tendon and tendon-bone healing during reconstruction procedures with molecular and cellular therapeutic techniques.

Role: Co-Principal Investigator

Orthopaedic Research Review Committee, Mayo Clinic

Wagner (PI)

Stem Cell Augmentation of Synthetic Ligament and Growth Factor Enhancement of the Bone-Ligament Interface: \$15,000

The goal of this project was to examine the effects of stem cells and both osteogenic and chondrogenic growth factors at inducing the enthesis of a 3D printed scaffold ligament-bone interface.

Role: Co-Principal Investigator

FACULTY: NATIONAL/INTERNATIONAL INVITED LECTURES

1. International Federation for Surgery of the Hand (IFSH) and Singapore Hand Society Meeting, Singapore, January 26, 2018.
 - a. Lecture: “Extensor Carpi Ulnaris Tendinitis; Diagnostic and Treatment Considerations.”
2. Emory and Atlanta Sports Medicine Conference, Annual Meeting, Atlanta, GA, March 2019
 - a. Lecture: Tendon Transfers for Irreparable Posterosuperior Rotator Cuff Tears
3. Georgia Hand and Upper Extremity Surgery Interest Group (GHUESIG) Conference, March 6, 2019
 - a. Lecture: Treatment of Irreparable Posterosuperior and Anterosuperior Rotator Cuff Tears
4. Georgia Hand and Upper Extremity Surgery Interest Group (GHUESIG) Conference, March 23, 2019
 - a. Lecture: Common Shoulder Pathologies: Evaluation and Considerations
 - b. Lecture: Treatment of Shoulder Instability
 - c. Lecture: Considerations and Outcomes Associated with the Surgical Treatment of Shoulder Arthritis
 - d. Lecture: Advanced Techniques in Shoulder Reconstruction and Therapeutic Considerations.
5. American Society for Hand Therapists Certification Course, June 8, 2019
 - a. Lecture: Anatomy of the Shoulder, Elbow and Wrist
 - b. Cadaveric Demonstrations: Approaches to the Shoulder, Elbow and Wrist
6. Mayo Shoulder Tendon Transfer Course, Bi-Annual Meeting, Rochester, MN, May 2019
 - a. Lecture: Superior Capsular Reconstruction Compared to Tendon Transfer for Irreparable Posterosuperior Rotator Cuff Tears
 - b. Lecture: Options for Subscapularis Irreparable Tears
 - c. Lecture: What is an Irreparable Rotator Cuff Tear?
 - d. Lecture: How to Optimize a Reverse Shoulder Arthroplasty
7. Georgia Shoulder and Elbow Society (GSES), Annual Meeting, Augusta, GA, June 2019
 - a. Lecture: Iliac Crest Bone Graft to Reconstruct Recurrent Anterior Shoulder Instability
8. San Diego Shoulder Institute (SDSI) Annual Meeting, San Diego, CA, June 2019
 - a. Lecture: Lower Trapezius Transfer for Irreparable Posterosuperior Rotator Cuff Tears
 - b. Lecture: Latissimus Dorsi Transfer for Irreparable Subscapularis Tears
 - c. Lecture: Comparison of SCR to Tendon Transfer for Irreparable Rotator Cuff Tears
 - d. Live Surgery: Arthroscopic-Assisted Lower Trapezius and Latissimus Dorsi Transfer
9. Codman International Shoulder Society Annual Meeting, San Diego, CA, June 22, 2019

- a. Lecture: Comparison of Tendon Transfers to Superior Capsular Reconstruction for Massive Irreparable Rotator Cuff Tears
 - b. Lecture: Considerations in Optimizing Motion after Reverse Shoulder Arthroplasty
10. Trimed Distal Radius Seminar, Atlanta, GA, June 18, 2019
 - a. Lecture: Evaluation and Treatment of Complex Distal Radius Fractures
 11. Southern Orthopaedic Association (SOA), Amelia Island, FL, June 18-20, 2019
 - a. Moderator: Hand and Upper Extremity Surgery Rapid Fire Abstract Podium Presentation Session
 12. Doctors Demystify Symposium, Atlanta, GA, August 17, 2019
 - a. Lecture: Radial and Axillary Nerve Palsies
 - b. Lecture: Brachial Plexus Syndromes
 13. American Society for Surgery of the Hand (ASSH) Annual Meeting Pre-Course, Las Vegas, NV, September 4, 2019
 - a. Lecture: ECU Tendinopathy: Case Study, Evaluation, Considerations, and Treatment
 14. International Wrist Investigators Workshop (IWIW) Annual Meeting at the American Society for Surgery of the Hand (ASSH) Meeting, Las Vegas, NV, September 4, 2019
 - a. Lecture: Challenging Dogma in Wrist Arthritis
 15. Georgia Society for Surgery of the Hand (GSSH) Annual Meeting at the Georgia Orthopaedic Society (GOS) Meeting, Sea Island, GA, September 19, 2019
 - a. Lecture: Tendinopathies in Athletes of the Forearm, Wrist and Hand
 16. Clinical Orthopaedic Society Meeting, Atlanta, GA, September 21, 2019
 - a. Lecture: Considerations in Phalanx, Metacarpal and Carpal Fractures
 17. Eastern Orthopaedic Association (EOA) Annual Meeting, Sea Island, GA, October 19, 2019
 - a. Lecture: High Yield Shoulder and Upper Extremity
 18. American Association for Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020.
 - a. Instructional Course Lecture: Evaluation and Treatment of Shoulder Adhesive Capsulitis
 19. American Society for Surgery of the Hand (ASSH) E-Learning Lecture Series
 - a. Gottschalk MB, Dawes AM, Stewart CM, Spencer CC, Daly CA, **Wagner ER**. Perilunate Injuries; Hand 50 Series., January, 2020. (Online Video Lecture)
 20. Grand Rounds, University of Colorado, Denver Health Trauma, March 2, 2020
 - a. Lecture: Proximal Humerus Trauma: Considerations, Controversies and Salvage Options

21. Georgia Orthopaedic Society (GOS) Senior Residents Conference, March 7, 2020
 - a. Panel Member and Lecture: “What would I have done differently to start my career?”
22. Georgia Hand and Upper Extremity Surgery Interest Group (GHUESIG) Conference, March 10, 2020
 - a. Lecture: Treatment of Irreparable Posterosuperior and Anterosuperior Rotator Cuff Tears
23. Grand Rounds, Harvard MGH Shoulder Service, March 25, 2020
 - a. Presentation: Managing Glenoid and Humeral Bone Loss in Reverse Shoulder Arthroplasty
24. American Academy of Orthopaedic Surgery (AAOS) Webinar on Functionally Irreparable Rotator Cuff Tears, April 21, 2020
 - a. Lecture: What is the Definition of a Functionally Irreparable Rotator Cuff Tear?
25. American Academy of Orthopaedic Surgery (AAOS) Annual Meeting Symposium, April 29, 2020
 - a. Symposium: Subscapularis Failure After Anatomic Total Shoulder Arthroplasty: Repair vs. Revision
26. American Society for Hand Therapists (ASHT) Webinar, April 30, 2020
 - a. Presentation: Top Five Upper Extremity Procedures All Hand Therapists Should Know
27. American Academy of Orthopaedic Surgery (AAOS) Annual Meeting Complex Cases Shoulder Dinner, April 30, 2020
 - a. Presentation: Allograft Prosthetic Composite with a Reverse Shoulder Arthroplasty and 3 Tendon Transfers for a Failed Prior Endoprosthesis
28. Arthroscopy Association of North America (AANA) Annual Meeting Instructional Course Lecture
 - a. Lecture: Treatment of a Failed Superior Capsular Reconstruction
29. Emory and Atlanta Sports Medicine Conference, Annual Meeting, Atlanta, GA, May 16, 2020
 - a. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome and Suprascapular Neuropathy
30. Current Concepts in Joint Replacement (CCJR) Annual Meeting, May 18, 2020
 - a. Lecture: Reverse Shoulder Arthroplasty is the Gold Standard for Shoulder Osteoarthritis: Opposition
 - b. Lecture: Treatment of Periprosthetic Joint Infection: Clean Out, 1 Stage, 2 Stage
 - c. Moderator: What would YOU do? Challenges in Shoulder Reconstruction
31. San Diego Shoulder Institute (SDSI) Fellows Conference, June 20, 2020
 - a. Moderator and Chatmaster for the Complex Elbow Surgery Session

32. American Society for Surgery of the Hand (ASSH) Fellows and Residents Conference at the Annual Meeting, September 30, 2020.
 - a. Lecture: Wrist Arthritis Case Presentation: Current Treatments and Future Directions
33. American Society for Surgery of the Hand (ASSH) Annual Meeting, October 1-3, 2020.
 - a. Instructional Course Moderator: Carpometacarpal Arthritis in the Young Patient
 - b. Instructional Course Moderator: Wrist Arthritis in the Young Patient
 - c. Instructional Course Moderator: Massive Irreparable Rotator Cuff Tears: Tip, Tricks, and Controversies
 - d. Instructional Course Lecture: Revision CMC Arthroplasty: Options and Future Innovations
 - e. Instructional Course Lecture: Arthroscopic Assisted Lower Trapezius Transfer to treat Functionally Irreparable Rotator Cuff Tear
 - f. Instructional Course Lecture: Considerations and Innovations in the Evaluation and Treatment of Wrist Arthritis
 - g. Symposium Moderator: Value and Future of PROMs in Hand Surgery
 - h. Symposium Lecture: PROMs: What is the Value to the Patient
34. American Shoulder and Elbow Society (ASES) Neer Circle, October 10, 2020
 - a. Faculty and Panelist
35. Transatlantic Complex Shoulder Conference, Annecy France and Sao Paulo Brazil, October 22-24, 2020.
 - a. Moderator and Lecture: Scapular Pathologies: Scapular Dyskinesia and Associated Shoulder Instability
 - b. Lecture and Re-Live Surgery: Brachial Plexus Lesions: Axillary Neuropathy and Irreparable Rotator Cuff Tear
 - c. Moderator and Lecture: Neurogenic Thoracic Outlet Syndrome: Arthroscopic Considerations in the Young Athlete
 - d. Lecture and Re-Live Surgery: Complex Revision Shoulder Arthroplasty: Revision of a Failed Endoprosthesis to an Allograft Prosthetic Composite
36. Select Medical National Physical Therapy Association Shoulder Symposium, November 7, 2020.
 - a. Lecture (1 hour): Common and Rare Conditions of the Shoulder: Diagnostic and Therapeutic Considerations
37. American Medical Society for Sports Medicine (AMSSM) Virtual Education Series, November 17, 2020.
 - a. Lecture (1 hour): Neurogenic TOS and Other Plexus Syndromes: Rethinking their diagnosis and treatment options
38. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, January 26, 2021
 - a. Moderator: Primary Total Shoulder Arthroplasty
39. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, April 27, 2021

- a. Moderator: Rotator Cuff Repair
40. Georgia Shoulder and Elbow Society Annual Meeting May 1, 2021
 - a. Case Presentation: Latissimus Dorsi Transfer for Irreparable Anterosuperior Rotator Cuff Tear
41. Emory and Atlanta Sports Medicine Conference, Annual Meeting, Atlanta, GA, May 1, 2021
 - a. Lecture: Reconsidering Thoracic Outlet Syndrome: Considerations, Classification, and Treatment Algorithm
42. Stryker and Wright Medical Tough Case Tuesday, May 18, 2021
 - a. Lecture: Glenoid Bone Grafting in Reverse Shoulder Arthroplasty
43. American Society for Hand Therapist (ASHT) and Georgia Hand and Upper Extremity Surgery Interest Group (GHUESIG) Annual Meeting, June 5, 2021.
 - a. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome
44. San Diego Shoulder Institute (SDSI) Annual Meeting, June 4-5, 2021.
 - a. Lecture: Arthroscopic Pectoralis Minor Release: Indications and Technical Tips
 - b. Discussion Leader: Scapular Pathologies
 - c. Lecture: Tendon Transfers for Anterosuperior Irreparable Rotator Cuff Tears
 - d. Lab Leader: How to do Various Tendon Transfers Around the Shoulder.
45. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, July 27, 2021
 - a. Moderator: Recurrent Shoulder Instability
46. Stryker and Wright Medical Tough Case Tuesday, August 3, 2021
 - a. Lecture: Glenoid Bone Grafting in Reverse Shoulder Arthroplasty
47. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, August 31 – September 4, 2021
 - a. Instructional Course Lecture: Considerations and Treatment Algorithm for Athletes with Extensor Carpi Ulnaris Pathology
 - b. Instructional Course Lecture Moderator: Wrist Injuries in Athletes
48. Innovation Hub at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, September 2, 2021
 - a. Lecture: Using Dynamic Imaging to Improve the Diagnosis and Treatment of Shoulder Pathologies
49. Lyon (France) Upper Extremity Research Institute Grand Rounds, September 10, 2021.
 - a. Lecture: Salvage of Complex Wrist Cases
50. Masters in Shoulder Arthroplasty Course, Stryker and Wright Medical, October 1 – October 2, 2021.
 - a. Lecture: The Anatomic glenoid - Using Blueprint to optimize planning/placement

- b. Lecture: Transitioning to Outpatient Arthroplasty
 - c. Technique Video: Video - Allograft prosthetic composite in revision shoulder arthroplasty
51. American Society for Surgery of the Hand (ASSH) Residents and Fellows Conference at the Annual Meeting, September 29, 2021.
- a. Lecture: Redefining the Algorithm for Neurogenic Thoracic Outlet Syndrome using Arthroscopy
52. American Society for Surgery of the Hand (ASSH) Young Member's Steering Committee Cocktails and Cases September 29, 2021
- a. Lecture/Case: Total Wrist Arthroplasty for Distal Radius Malunion
53. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 28 - October 2, 2021.
- a. Instructional Course Lecture: A New Diagnostic Classification for TFCC Injuries
 - b. Instructional Course Moderator: Ulnar-Sided Wrist Pain; Diagnostic and Surgical tips for Common Pathologies
 - c. Instructional Course Lecture: Considerations and Treatment Algorithm for Athletes with Extensor Carpi Ulnaris Pathology
 - d. Symposium Moderator: Tips and Tricks in Upper Extremity Arthroscopy
 - e. Symposium Lecture: Arthroscopic Treatment of Neurogenic Thoracic Outlet Syndrome.
 - f. Symposium Lecture: Revision of Distal Radius Malunions to Total Wrist Arthroplasty.
 - g. Pre-Course Lecture: Distal Radius Hemiarthroplasty for Elderly Distal Radius Fractures
 - h. Pre-Course Lecture: Arthroscopic Management of Perilunate Injuries
54. Lyon Wrist Course (Lyon, France), October 18, 2021
- a. Lecture: Revision of a Failed TFCC Repair
 - b. Lecture: Distal Radius Malunion: Osteotomy vs Total Wrist Arthroplasty
 - c. Panel: Complex Wrist Ligament Injuries
 - d. Panel: Complex Cases of Wrist Arthritis
55. Lyon Elbow Course, (Lyon, France), October 19, 2021
- a. Lecture: Olecranon Fractures: Tension Band vs Plate Fixation
 - b. Lecture: Revision Total Elbow Arthroplasty: Consideration and Technical Tips
 - c. Panel: Elbow Fracture Dislocations
 - d. Panel: Complex Cases of Periarticular Elbow Bone Loss
56. American Society of Plastic Surgeons (ASPS) Annual Meeting, October 31, 2021.
- a. Lecture: Arthroplasty of the PIP, MCP, and CMC Joints
 - b. Panel: Controversial Cases of Hand Small Joint Arthritis
57. Mexican Shoulder and Elbow Society Annual Meeting, November 12, 2021.

- a. Lecture: Periprosthetic Joint Infection in Shoulder Arthroplasty: Considerations and Treatment Algorithm
 - b. Lecture: Acromial and Scapular Spine Fractures: Emerging Treatments Considerations
58. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, November 16, 2021
- a. Moderator: Total Elbow Arthroplasty
59. American Society for Surgery of the Hand (ASSH) Young Member's Steering Committee Cocktails and Cases February 8, 2022
- a. Lecture/Case: Distal Radius Malunion Osteotomy and Grafting
60. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, February 22, 2022
- a. Moderator: Revision Shoulder Arthroplasty
61. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, March 22 – March 26, 2022
- a. Symposium Moderator: What to do if Your Mother Breaks her Wrist?
 - b. Symposium Lecture: Distal Radius Malunion Salvage Options
 - c. Instructional Course Lecture Moderator: The Scapula: The Greater Masquerader of Shoulder Pathologies
 - d. Instructional Course Lecture: Serratus Anterior Paralysis: Split Pectoralis Transfer
 - e. Instructional Course Lecture: Pectoralis Minor Syndrome and Neurogenic Thoracic Outlet Syndrome
 - f. Instructional Course Lecture Moderator: Dupuytren's Disease: Surgical Tips, Optimizing Outcomes, and Cost Considerations
 - g. Instructional Course Lecture: Needle Aponeurotomy: Indications and Technical Tips
 - h. Instructional Course Lecture Moderator: Ulnar Sided Wrist Pain: Diagnostic and Surgical Tips for Common Pathologies
 - i. Instructional Course Lecture: ECU Tendinitis: Considerations and Novel Treatments in Athletes
 - j. Instructional Course Lecture: DRUJ Arthritis Treatment Considerations and Technical Tips
 - k. Instructional Course Lecture: Submuscular Transposition for Cubital Tunnel Syndrome
 - l. Instructional Course Lecture Moderator: The Value and Future of PROMs in Hand Surgery
 - m. Instructional Course Lecture: The Value of Patient Reported Outcome Measures to the Patient and Surgeon
 - n. Instructional Course Lecture: Wrist Fractures: Value through Evidence
62. Innovation Hub at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, March 24, 2022
- a. Lecture: How DDR Imaging is Changing the Landscape of Diagnosis and Treatment Algorithms in the Upper Extremity.
63. International Mayo Wrist Course, April 7-9, 2022
- a. Lecture: Arthroscopic Ganglionectomy: Volar and Dorsal

- b. Lecture: Overview of Wrist Arthritis: Considerations and Novel Future Directions
 - c. Lecture: Total Wrist Arthroplasty: Critical Analysis of Successes and Failures
64. Stryker and Wright Medical Annual Shoulder Arthroplasty Fellows Course, April 21-23, 2022
- a. Lecture: Reverse Shoulder Arthroplasty for Proximal Humerus Fractures: Considerations and Technical Tips
 - b. Lab Demonstration: Live Surgical Lab Demonstration of Reverse Shoulder Arthroplasty
65. Georgia's American Society of Hand Therapists Annual Meeting, April 23, 2022
- a. Panelist: Controversies and Innovations in Common Hand Surgical Treatments
66. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, April 26, 2022
- a. Moderator: Massive Cuff Tears
67. Mexican Annual Orthopaedic Conference: Congreso Nacional e Ortopedia de la Ciudad de Mexico, April 27 – May 1, 2022
- a. Presidential Guest Lecturer
 - b. Lecture: Surgical Options for a Failed Latarjet
 - c. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome: Novel Diagnostic and Treatment Algorithms
 - d. Lecture: The Role of Pectoralis Minor in Scapular Dyskinesia
 - e. Lecture: Elbow Prosthesis in Traumatic Sequelae
 - f. Lecture: Indications and Limitations of Muscle Transfers for Rotator Cuff Pathology
 - g. Lecture: Advantages of Modular Prosthesis in Anatomic Total Shoulder Arthroplasty
 - h. Lecture: Range of Motion Improvement in Shoulder Arthroplasty: How do I Improve it?
 - i. Lecture: Revision Shoulder Arthroplasty: How do I Deal with Bone Loss?
68. Grand Rounds, Philadelphia Hand Center, Jefferson University, May 11, 2022
- a. Lecture: Wrist Arthritis in a Young Patient: Considerations and Novel Arthroscopic Treatments
69. Lecture: Posterior Shoulder Instability: Today's Gold Standard and Future Innovations International Teaching and Research of Upper Extremity Surgery (I-TRUES) Webinar Series, May 30, 2022
- a. Lecture: Posterior Shoulder Instability: Today's Gold Standard and Future Innovations.
70. International Federation of Societies for Surgery of the Hand (IFSSH), June 7 – June 11, 2022
- a. Moderator: Tendon Transfers of the Upper Extremity Symposium
 - b. Lecture: Tendon Transfers of the Shoulder and Elbow: Novel Therapeutic Techniques
 - c. Lecture: Scapular Winging: Therapeutic Strategies to Retrain the Scapula
 - d. Lecture: Carpometacarpal Arthroplasty: Why the LRTI remains the Gold Standard
 - e. Lecture: Scaphoid Fractures: The Value Argument for Surgical Fixation

71. San Diego Shoulder Institute (SDSI) Annual Meeting, June 15 - 18, 2022
 - a. Lecture: Preoperative Planning in Total Shoulder Arthroplasty: Why and How I do it
 - b. Lecture: Pectoralis Minor and Neurogenic Thoracic Outlet Syndromes: Changing the Algorithm
 - c. Lecture: Technical Tips in Performing an Arthroscopic-Assisted Lower Trapezius Transfer
 - d. Moderator: Live Surgical Demonstration of Arthroscopic Tendon Transfers
72. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, July 26, 2022
 - a. Moderator: Proximal Humerus Fractures
73. Chinese Orthopaedic Surgeon's Master Series for Shoulder Arthroscopy, Shanghai Superb Medical Skills, Virtual Series in Shanghai, China, August and September, 2022
 - a. Lecture (August 6, 2022): Shoulder Instability: Diagnosis, Considerations and Treatments
 - b. Lecture (August 13, 2022): Posterosuperior Rotator Cuff Tears: Diagnosis, Considerations and Treatments
 - c. Lecture (August 20, 2022): Anterosuperior Rotator Cuff Tears: Diagnosis, Considerations and Treatments
 - d. Lecture (August 27, 2022): Alternative Causes of Shoulder Pain: AC Joint, Biceps, SSN, and Adhesive Capsulitis
 - e. Lecture (September 3, 2022): Neurogenic Thoracic Outlet and Other Plexus Syndromes: Diagnostic and Therapeutic Considerations
74. American Society for Surgery of the Hand (ASSH) Fellows and Residents Conference at the Annual Meeting, September 28, 2022.
 - a. Lecture: Considerations When to Evaluating Job Options: How to determine what is and is not important.
75. American Society for Surgery of the Hand (ASSH) Young Member's Steering Committee Cocktails and Cases September 28, 2022
 - a. Lecture/Case: Arthroscopic Treatment of Scapholunate Instability
76. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 27 - October 1, 2022.
 - a. Precourse Lecture: PIP Arthroplasty in the Index Finger: Optimizing Outcomes and Refining Indications
 - b. Instructional Course Lecture: How to Build Morale and Sustain Momentum in Building a Highly Effective Team.
 - c. Instructional Course Moderator: Dupuytren's Disease: Surgical Tips, Optimizing Outcomes, and Cost Consideration
 - d. Instructional Course Lecture: Needle Aponeurotomy: Technical Tips and Tricks
 - e. Instructional Course Lecture: Dupuytren's Syndrome: Cost and Value Considerations
 - f. Instructional Course Lecture: Indications and Advances in Tendon Transfers for Brachial Plexus Injuries

- g. Instructional Course Lecture: Building a Practice: What I Wish I Knew in My First 5 Years
 - h. Instructional Course Moderator: Wrist Arthritis in a Young Patient
 - i. Instructional Course Lecture: Wrist Arthritis in a Young Patient: Considerations and Novel Treatments
 - j. Instructional Course Lecture: Novel Arthroscopic Treatments in Wrist Arthritis
 - k. Instructional Course Lecture: Optimizing Nutrition in a Busy Surgical Practice
77. Zimmer Biomet Shoulder Course at the ASSH Annual Meeting, September 28 and 29, 2022.
- a. Lecture: Indications and Technical Tips for Anatomic and Reverse Shoulder Arthroplasty
 - b. Live Surgical Demonstration: Stemless Shoulder Arthroplasty
78. American Orthopaedic Association (AOA) North American Traveling Fellowship (NATF) Tour October 1-29, 2022.
- a. University of British Columbia Lecture October 3, 2022: Opioid-Free Surgery: A Multimodal Approach to Modifying this Risk Factor
 - b. University of Calgary Lecture: Opioid-Free Surgery: A Multimodal Approach to Modifying this Risk Factor
 - c. Stanford University Lecture October 8, 2022: Optimizing the Reverse Shoulder Arthroplasty: Technical Considerations, Bone Loss and Tendon Transfers
 - d. UCSF Lecture October 10, 2022: Irreparable Rotator Cuff Tears: Using Shoulder Tendon Transfers to Redefine the Algorithm
 - e. UC Davis Lecture October 12, 2022: Arthroscopic Treatment of Neurogenic Thoracic Outlet Syndrome and Other Plexus Syndromes: Rethinking the Diagnosis and Treatment Algorithm
 - f. UC Irvine Lecture October 14, 2022: Shoulder Tendon Transfers: Redefining the Algorithm in Irreparable Rotator Cuffs and Paralytic Shoulders
 - g. Naval Academy San Diego Lecture October 19, 2022: Opioid-Free Surgery: A Multimodal Approach to Modifying this Risk Factor
 - h. Naval Academy San Diego Lecture October 19, 2022: Arthroscopic Treatment of Neurogenic Thoracic Outlet Syndrome and Other Plexus Syndromes: Rethinking the Diagnosis and Treatment Algorithm
 - i. UNLV Lecture October 20, 2022: Shoulder Tendon Transfers: Redefining the Algorithm in Irreparable Rotator Cuffs and Paralytic Shoulder
 - j. University of Colorado Lecture, October 24, 2022: Wrist Arthritis: Evidence-based Evolution of the Treatment Algorithm
 - k. Phoenix Core Lecture October 26, 2022: Shoulder Tendon Transfers: Redefining the Algorithm in Irreparable Rotator Cuffs and Paralytic Shoulder
 - l. Madigan Army Base Seattle Lecture October 28, 2022: Arthroscopic Treatment of Neurogenic Thoracic Outlet Syndrome and Other Plexus Syndromes: Rethinking the Diagnosis and Treatment Algorithm
79. American Shoulder and Elbow Surgeons (ASES) Virtual Journal Club, November 15, 2022
- a. Moderator: Elbow Arthroscopy

80. Chilean Annual Orthopaedic Conference: Congreso Chileno De Ortopedia Y Traumatologia, November 16-19, 2022.
 - a. Presidential Guest Lecturer
 - b. Lecture: What are the limits for rotator cuff repair?
 - c. Lecture: What does the evidence say in management of posterosuperior tears?
 - d. Lecture: Why I use RSA Angle as tilt guide and what is my optimal version
 - e. Lecture: Considerations and Novel Treatments in Posterior Shoulder Instability
 - f. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome and Scapulothoracic Abnormal Motion

81. American Association for Hand Surgery (AAHS) Annual Meeting Wrist Arthroscopy Course, Miami, Florida, January 17, 2023
 - a. Lecture: Arthroscopic Management of Dorsal and Volar Ganglions
 - b. Lecture: Arthroscopic Treatment of Scaphoid Fractures and Nonunions
 - c. Lecture: Arthroscopic Treatment of Distal Radius Fractures and Nonunions
 - d. Panel Moderator: Use of Arthroscopy to Treat Wrist Fractures
 - e. Wrist Arthroscopic Laboratory Instructor

82. Hospital for Special Surgery (HSS) Sports Medicine Grand Rounds, New York City, New York, February 22, 2023
 - a. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome: Novel Considerations in Diagnosis and Treatment Algorithms.
 - b. Lecture: Redefining the Treatment Options for Irreparable Rotator Cuff Tears and Paralytic Shoulder with Tendon Transfers

83. Georgia Shoulder and Elbow Society (GSES), Annual Meeting, Atlanta, GA, April 22, 2023
 - a. Lecture: Tendon Transfers in Shoulder Arthroplasty
 - b. Lecture: Humeral Bone Loss in Revision Shoulder Arthroplasty
 - c. Panel Moderator: Reverse Shoulder Arthroplasty Considerations
 - d. Panel Moderator: Managing Bone Loss in Revision Shoulder Arthroplasty

84. American Academy of Orthopaedic Surgeons (AAOS) Massive Rotator Cuff Webinar, April 25, 2023.
 - a. Lecture: Tendon Transfers for Irreparable Rotator Cuff Tears

85. American Society for Surgery of the Hand (ASSH) Research Webinar, April 27, 2023.
 - a. Lecture: Key Principles in Prospective and Multicenter Trials

86. American Arthroscopy Association of North America (AANA) Annual Meeting, New Orleans, LA, May 4-5, 2023.
 - a. Lecture: Evaluating a Failed Rotator Cuff Repair
 - b. Lecture: Novel Treatment Options for a Failed Rotator Cuff Repair
 - c. Lecture: My Technique: The Lower Trapezius Transfer
 - d. Panel: Considerations in the Irreparable Rotator Cuff Tear

87. International Congress: Viewing the Shoulder Through the Eyes of Nerve Injury, Guadalajara, Mexico, May 3-6, 2023.
 - a. Lecture: Evaluation of the Scapula and Pathologic Scapulohumeral Rhythm
 - b. Lecture: First Time Dislocation What's My Management
 - c. Lecture: Arthroscopic Brachial Plexus Neurolysis
 - d. Lecture: Arthritis in a Young Patient: Considerations and Treatment Algorithm
 - e. Lecture: Perfect Painful Reverse: Pathologic Consider
88. AO Advanced Complex Shoulder and Tendon Transfer Course, Boston, MA, May 11 – 13, 2023
 - a. Lecture: Innovations in Massive Rotator Cuff Treatment: SCR vs. Tendon Transfers
 - b. Lecture: Arthroscopic Neuroanatomy of the Brachial Plexus and Shoulder
 - c. Live Cadaveric Demonstration: Suprascapular Nerve Release, Pectoralis Minor Release, and Neuroanatomy Exposure of the Brachial Plexus
89. Annecy Live Surgery (ALS) Course 2023, Annecy France, June 8-10, 2023.
 - a. Live Surgery: Arthroscopic Assisted Lower Trapezius Transfer, Partial Rotator Cuff Repair, and Biceps Tenodesis
 - b. Moderator: Total Shoulder Arthroplasty Surgeries
 - c. Panel: Controversies in Shoulder Instability Surgery
 - d. Panel Chairman: Controversies in Shoulder Arthroplasty
 - e. Panel: Innovations in Rotator Cuff Treatment
 - f. Live Patient Examination: Irreparable Posterosuperior Rotator Cuff Tear
90. San Diego Shoulder Institute (SDSI) Annual Meeting, June 14 - 17, 2023
 - a. Live Cadaveric Demonstration: Triple Tendon Transfer for Trapezius Paralysis
 - b. Faculty and Moderator: Tendon Transfer Course
 - c. Lecture: The Value of Virtual and Mixed Reality in Shoulder Surgery
 - d. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome: Arthroscopic Considerations
 - e. Lecture: Tendon Transfers for the Irreparable Subscapularis: When and How to perform
91. American Society of Sports Medicine (AOSSM) Annual Meeting, July 12-15, 2023
 - a. Lecture: Novel Multimodal Pain Pathway in Total Shoulder Arthroplasty
92. International Federation for Surgery of the Hand (IFSH) and Brazil Hand Society Meeting, Belo Horizonte, Brazil, August 16-19, 2023.
 - a. Symposium Lecture: Arthroscopic Treatment of Wrist Nonunions: From Scaphoids to Distal Radius
 - b. Symposium Moderator: Advances in Wrist Arthroscopy
 - c. Instructional Course Lecture: Arthroscopic Scapholunate Reconstruction: What do I do?
 - d. Instructional Course Lecture: CMC Arthroscopy and Interposition Arthroplasty
 - e. Panel Member: Clinical Cases in Advanced Wrist Arthroscopy

93. Georgia Society for Surgery of the Hand (GSSH) Annual Meeting at the Georgia Orthopaedic Society (GOS) Meeting, Sea Island, GA, September 28, 2023
 - a. Lecture: Novel Algorithmic Arthroscopic Approach to Thoracic Outlet Syndrome
94. American Society for Surgery of the Hand (ASSH) Fellows and Residents Conference at the Annual Meeting, Toronto, Canada, October 4, 2023.
 - a. Lecture: Arthroscopic Treatment of CMC Arthritis
 - b. Panel Member: Young Patient with Advanced CMC Arthritis
95. American Society for Surgery of the Hand (ASSH) Young Member's Steering Committee Cocktails and Cases, Toronto, Canada, October 4, 2023.
 - a. Lecture/Case: Arthroscopic Treatment of Lunotriquetral and then DRUJ Instability after a Both Bone Forearm Fracture
96. American Society for Surgery of the Hand (ASSH) Annual Meeting, Toronto, Canada, October 3-7, 2023.
 - a. Precourse Debate Lecture: Nerve vs Tendon Transfers for Shoulder Paralysis
 - b. Precourse Live Surgery: Pedicled Pectoralis Major Transfer for Deltoid Paralysis
 - c. Precourse Live Surgery: Ipsilateral Lower Trapezius Transfer for Upper Trunk Brachial Plexus Injuries
 - d. Precourse Lecture: The Role of Arthroscopy in Thumb CMC Osteoarthritis
 - e. Precourse Debate: Implant vs Arthroscopy for CMC Osteoarthritis in a Young Patient
 - f. Best Poster Presentation: Oral Medrol Dosepack in Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial
 - g. Instructional Course Lecture: Revision Elbow Arthroplasty: Allograft Prosthetic Composite Reconstruction of the Non-Salvageable Elbow
 - h. Interactive Case Debate Moderator: Young Thumb CMC Arthritis
 - i. Symposium Lecture: Arthroscopic Pectoralis Minor Release and Brachial Plexus Neurolysis: Changing the Paradigm around Neurogenic Thoracic Outlet Syndrome
 - j. Symposium Moderator: Tips and Tricks in Upper Extremity Arthroscopy
97. Grand Rounds, Hand Surgery, Philadelphia Hand Center, October 24, 2023.
 - a. Lecture: Advances in Wrist Arthroscopy: Ligaments, Fractures, and Arthritis
98. Grand Rounds, Hand Surgery, University of California Los Angeles (UCLA), October 24, 2023.
 - a. Lecture: Advances in Wrist Arthroscopy: Ligaments, Fractures, and Arthritis
99. Critical Concepts in Shoulder and Elbow Surgery, Las Vegas, NV, November 2-4, 2023.
 - a. Case Presentations Lecture: Complex Proximal Humerus Fracture Cases
 - b. Lecture: Balloon Spacer for Irreparable Rotator Cuff Tear
 - c. Panel Member: Controversies in Irreparable Rotator Cuff Tears
 - d. Lecture: Subscapularis Tenotomy: Surgical Technique
 - e. Panel Member: Optimization of the Subscapularis in Shoulder Arthroplasty
 - f. Lecture: Forget AR- Mixed Reality is even better!

100. Grand Rounds, Orthopaedic Surgery Department, University of Michigan, Ann Arbor, MI, January 5, 2024.
 - a. Lecture: Novel Arthroscopic Treatments in Shoulder Instability: Bone Loss and Dynamic Stability
 - b. Complex Case Conference Lead: Michigan Sports Medicine
101. American Association of Hand Surgery (AAHS), Bahamas, January 9-12, 2024.
 - a. Lecture: Beyond Fusions: Salvage Options for SLAC Wrist
 - b. Lecture and Lab: Partial Fusions: STT, 4-Corner, CL Fusions Surgical Technique
 - c. Main Session Lecture: Expediency: Partial Wrist Fusions Eliminates Pain and Returns Function
 - d. Panel Member: Wrist Reconstruction for Arthritis
 - e. Main Session Lecture: Partial Wrist Fusions and Wrist Arthroplasties
 - f. Debate Panel Member: Traditional Treatments vs Joint Denervation
102. Mayo Clinic Quarterly Alumni Complex Case Conference, January 23, 2024.
 - a. Lecture: Lunotriquetral Instability after Both Bone Forearm Fracture: Novel Arthroscopic Treatment
103. American Society for Surgery of the Hand (ASSH) Board Review Webinar, January 27, 2024.
 - a. Lecture: Massive Glenoid Bone Loss in a Young Patient with Shoulder Arthritis
 - b. Lecture: Irreparable Rotator Cuff Tear in an Active Patient
 - c. Panel Member: Electives in Shoulder Surgery
104. American Association for Surgery of the Hand (ASSH) Webinar, January 30, 2024.
 - a. Lecture: Zone 1 Flexor Tendon Injuries
105. Grand Rounds, Hand Surgery, OrthoCarolinas and Carolina Medical Center, February 6, 2024.
 - a. Lecture: Advances in Wrist Arthroscopy: Ligaments, Fractures, and Arthritis
106. American Association of Orthopaedic Surgery (AAOS) Annual Meeting, San Francisco, CA, February 12-16, 2024.
 - a. Instructional Course Lecture Moderator: The Scapula: The Greater Masquerader of Shoulder Pathologies
 - b. Instructional Course Lecture: Redefining the Diagnostic and Treatment Algorithm of Serratus Anterior Paralysis
 - c. Instructional Course Lecture: Novel Diagnostic Algorithms and Arthroscopic Treatments in Neurogenic Thoracic Outlet Syndrome
 - d. Instructional Course Lecture Moderator: Dupuytren's Disease: Surgical Tips, Optimizing Outcomes, and Cost Considerations
 - e. Instructional Course Lecture: Needle Aponeurotomy: Technical Tips
 - f. Instructional Course Lecture: Arthroscopic Treatment of Scaphoid Nonunions: Novel Treatment Algorithms
 - g. Instructional Course Lecture: Tendon Transfer is the Option that will Last: Tips and Tricks for Arthroscopic Tendon Transfers

- h. Instructional Course Lecture: The Future of Mixed and Virtual Reality in Shoulder Arthroplasty
 - i. Instructional Course Lecture: Arthroscopic Distal Radioulnar Joint Reconstruction for Irreparable TFCC Tears
 - j. Instructional Course Lecture: Proximal Humerus Bone Loss in Tumor Surgery: It's all about the soft tissues
 - k. Symposium Lecture: Scapholunate Injuries Made Simple: My Arthroscopic Treatment Algorithm and Surgical Techniques
107. Stryker Current Concepts in Shoulder Arthroplasty Course, Atlanta, GA, March 22-23, 2024.
- a. Main Session Lecture: Mixed Reality in Shoulder Arthroplasty
 - b. Main Session Lecture: Augmented Glenoid in Anatomic Total Shoulder Arthroplasty: Addressing the Retroverted Glenoid
 - c. Panel Debate: Controversies in Anatomic Total Shoulder Arthroplasty
 - d. Main Session Lecture: Avoiding Complications in Shoulder Arthroplasty: Instability and Acromial Fractures
 - e. Panel Debate: Controversies in Revision Shoulder Arthroplasty
 - f. Main Session Lecture: Managing Bone Loss in Primary Reverse Shoulder Arthroplasty
 - g. Panel Debate: Controversies in Reverse Shoulder Arthroplasty
108. American Medical Society for Sports Medicine (AMSSM) Fellowship Lecture Webinar Series, April 3, 2024.
- a. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome: Diagnostic and Therapeutic Considerations
109. American Academy of Orthopaedic Surgery (AAOS) Webinar Series, April 11, 2024
- a. Lecture: Massive Irreparable Rotator Cuff Tear: Case Presentation and Considerations
110. American Association of Orthopaedic Surgery Boards Review Course, April 17-20, 2024.
- a. Live Lecture: High Yield Shoulder and Elbow Topics for the ABOS
 - b. Virtual Lecture: Clavicle, AC Joint and Shoulder Anatomy: ABOS Review of the Upper Extremity Pathologies
 - c. Virtual Recorded Lecture: Shoulder Arthroplasty: ABOS Review of the Upper Extremity Pathologies
 - d. Virtual Recorded Lecture: Shoulder Instability, Rotator Cuff, and Biceps Pathology: ABOS Review of the Upper Extremity Pathologies
 - e. Virtual Recorded Lecture: Sports Elbow: ABOS Review of the Upper Extremity Pathologies
111. American Shoulder and Elbow Society (ASES) Virtual Journal Club, April 23, 2024.
- a. Moderator: Complications in Shoulder Arthroplasty
112. Georgia Shoulder and Elbow Society (GSES) Annual Meeting, Adairsville, GA, April 26-27, 2024.
- a. Main Session Lecture: Salvage Options for Failed Proximal Humerus Fracture Surgery: Pedicled Pectoralis Transfer for Deltoid Paralysis

- b. Main Session Lecture: Suture Tension Band Fixation for Displaced Olecranon Fractures: Tips and Tricks
 - c. Main Session Lecture: Complex Case Contest: Shoulder Arthrodesis for Severe Bony and Soft Tissue Loss after a Gunshot Wound.
113. American Society for Surgery of the Hand (ASSH) and Australian Hand Surgery Society Combined Meeting, Maui, Hawaii, May 1-4, 2024.
- a. Instructional Course Lecture: Fundamentals of Wrist Arthroscopy
 - b. Instructional Course Lecture: Advanced Wrist Arthroscopic Techniques for Wrist Ligament Injuries
114. Arthroscopy Association of North America (AANA) Annual Meeting, Boston, MA, May 9-11, 2024.
- a. Main Session Symposium Lecture: Utilizing a Partial Repair Augmented with a Tendon Transfer in the Treatment of Irreparable Rotator Cuff Tears
 - b. Main Session Panel Debate: Treatment of Irreparable Rotator Cuff Tear in Young Patients
 - c. Instructional Course Lecture: Lower Trapezius Transfer with a Biceps Superior Capsular Reconstruction is My Preferred Augmentation Technique for a Partial Rotator Cuff Repair
 - d. Instructional Course Lecture: Arthroscopic Latarjet Procedure: my tips and tricks and why I prefer it to allograft
115. Japanese Orthopaedic Association (JOA) Annual Meeting, Fukuoka, Japan, May 23-26, 2024.
- a. Keynote Lecture: Innovations in Treating Wrist Pathologies Using Arthroscopy
 - b. Panel Member: Complex Wrist Pathologies
116. San Diego Shoulder Institute (SDSI) Annual Meeting, San Diego, CA, June 11 - 14, 2024
- a. Live Cadaveric Demonstration: Arthroscopic Assisted Lower Trapezius Transfer with a Biceps Superior Capsular Reconstruction
 - b. Lecture: Humeral Bone Loss in Revision Shoulder Arthroplasty: Allograft Prosthetic Composite
 - c. Panel Member: Controversies in Revision Shoulder Arthroplasty
 - d. Lecture: Relive Surgery: Bone Grafting in Primary Reverse Shoulder Arthroplasty
 - e. Lecture: Tendon Transfers for the Irreparable Subscapularis: When and How to perform
 - f. Panel Member: Controversies in Subscapularis Pathologies
 - g. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome: Algorithm and Arthroscopic Considerations
 - h. Panel Member: Considerations in the Overhead Athlete
117. International Wrist Arthroscopy Society (IWAS) Course at the Federation of European Societies for Surgery of the Hand (FESSH) Annual Meeting, Rotterdam, Netherlands, June 27-29, 2024.
- a. Lecture: Arthroscopic-Assisted Scapholunate Reconstruction: My Algorithm and Arthroscopic Considerations

- b. Moderator: Innovations in Ligament Injuries of the Wrist
118. American Association of Society of Sports Medicine (AOSSM) Annual Meeting, Denver, Colorado, July 10-13, 2024.
- a. Lecture: Lower Trapezius Transfer: Step by Step Optimization
 - b. Panel Member: Rotator Cuff Re-Tear: It's Torn Again, Now What?

LOCAL AND GRAND ROUNDS LECTURES

1. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, August, 2018
 - a. Lecture: Tendinopathies and Nerve Compression Pathologies of the Hand and Forearm
2. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, September, 2018
 - a. Lecture: Wrist Arthritis: Evaluation, Considerations, and Treatment
3. Emory Grand Rounds, Department of Internal Medicine, Emory University, October, 2018
 - a. Lecture: Common Shoulder and Elbow Pathologies: Evaluation, Considerations, and Treatment
4. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, November, 2018
 - a. Lecture: Proximal Humerus Fractures: Evaluation, Considerations, and Treatment
5. Advanced Practice Providers Continuing Education, Department of Orthopaedic Surgery, Emory University, January, 2019
 - a. Lecture: Common Upper Extremity Conditions: Evaluation, Considerations, and Treatment
6. Emory University Orthopaedic and Spine Hospital Continuing Education, Department of Orthopaedic Surgery, Emory University, March, 2019
 - a. Lecture: The Shoulder Joint: Anatomy, Biomechanics, and Considerations
7. Emory University Orthopaedic and Spine Hospital Continuing Education, Department of Orthopaedic Surgery, Emory University, April, 2019
 - a. Lecture: How to Set Up Different Shoulder Operations
8. Emory University Orthopaedic and Spine Hospital Continuing Education, Department of Orthopaedic Surgery, Emory University, April, 2019
 - a. Lecture: The Shoulder Examination: Anatomy, Biomechanics, and Correlations
9. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 5, 2019

- a. Lecture: Tendon Transfers vs. Superior Capsular Reconstructions in the Treatment of Irreparable Rotator Cuff Tears
10. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 5, 2019
 - a. Lecture: Defining and Evaluating Irreparable Rotator Cuff Tears
11. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 5, 2019
 - a. Lecture: Hand and Wrist Surgical Approaches
 - b. Lecture: Forearm and Elbow Surgical Approaches
12. Emory Resident Didactics Session, Department of Orthopaedic Surgery, Emory University, July 5, 2019
 - a. Anatomy Lab: Demonstration of techniques to perform common procedures of the wrist, hand, forearm, and elbow
13. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 12, 2019
 - a. Lecture: Nailbed Injuries and Fingertip Amputations
 - b. Lecture: Flexor and Extensor Tendon Repair, Peripheral Nerve Repair
14. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 5, 2019
 - a. Anatomy Lab: Demonstration of techniques to perform local flaps, nailbed repairs, fingertip amputations, tendon and nerve repair
15. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, July 19, 2019
16. Plastics Grand Rounds, Department of Plastic Surgery, Emory University, August 9, 2019
 - a. Paralytic Shoulder Reconstruction: The Role for Tendon Transfers, Arthroplasties, and Arthrodesis.
17. Emory Grand Rounds, Department of Orthopaedic Surgery, Emory University, September 13, 2019
 - a. Lecture: Shoulder Work-up and Examination: Techniques, Considerations, and Clinical Correlations
18. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, September 13, 2019
 - a. Lecture: Wrist Work-up and Examination: Techniques, Considerations, and Clinical Correlations
19. Grady ID Grand Rounds, Department of Infectious Disease, Grady Hospital and Emory University, October 2, 2019
 - a. Lecture: Shoulder Avascular Necrosis
20. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, March 30, 2020

- a. Lecture: Shoulder Arthroplasty Indications and Treatment Options
21. Emory PM&R Grand Rounds, Division of Sports Medicine, Emory University, April 7, 2020
- a. Lecture: Rethinking Neurogenic Thoracic Outlet Syndrome and Suprascapular Neuropathy
22. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 20, 2020
- a. Lecture: Novel Treatment of Wrist Arthritis
23. Emory University Hospital Pain and Anesthesia Research Meeting, Atlanta, GA, February 19, 2020.
- a. *Gottschalk MB, Farley KX, Dawes AM, Spencer CC, Daly CA, **Wagner ER**. Do Corticosteroids Reduce Pain after Distal Radius Fracture Surgery?
24. Emory University, Department of Orthopaedics Annual Kelly Day Resident Research Symposium, Atlanta, GA, June 5, 2020.
- a. Spencer CC, Runge WO*, Dawes AM, Daly CA, Gottschalk MB, **Wagner ER**. Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release.
25. Emory University, Department of Orthopaedics Annual Kelly Day Resident Research Symposium, Atlanta, GA, June 5, 2020.
- a. Spencer CC, Pflederer JA*, Dawes AM, Daly CA, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who Requires Refills and for How Long?
26. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 9, 2021
- a. Lecture: Shoulder Anatomy and Examination Considerations
27. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 16, 2021
- a. Lecture: Shoulder Imaging: From Radiographic to Advanced Imaging Considerations
28. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 30, 2021
- a. Lecture: Shoulder Arthritis: Diagnostic and Surgical Considerations
 - b. Lecture: Shoulder Instability: Controversies and Considerations
29. Emory Brachial Plexus and Peripheral Nerve Grand Rounds, May 11, 2021
- a. Lecture: Scapular Winging and Dyskinesia: Diagnostic and Therapeutic Considerations
30. Emory Anesthesia Department Pain Service Grand Rounds, May 17, 2021
- a. Lecture: Reconsidering the Classification and Treatment of Thoracic Outlet Syndrome

31. Emory Orthopaedic Surgery Graduation Kelly Day, June 4, 2021.
 - a. Lecture: Upper Extremity Innovation: Pushing the Field Forward
32. Advanced Practice Providers Continuing Medical Education Retreat, Department of Orthopaedic Surgery, Emory University, June 11, 2021
 - a. Lecture: Common Upper Extremity Conditions: Evaluation, Considerations, and Treatment
33. FOSSIL Program Keynote Speaker for June as part of Emory Orthopaedic Surgery's Diversity and Inclusion Initiative, June 24, 2021
 - a. TED Talk: Disparities in Healthcare Utilization: how issues with trust, access, and equality continue to impact our nation's health
34. Emory Orthopaedic's Diversity Summer Scholars Program, July 5, 2021
 - a. Talk: How to be a Great Medical Student and get into Orthopaedic Residency
35. Plastics Grand Rounds, Department of Plastic Surgery, Emory University, August 13, 2021
 - a. Upper Extremity Tendinopathy: Diagnostic and Therapeutic Considerations
36. Emory Orthopaedic Surgery Upper Extremity Cadaver Lab Dissection, October 21, 2021.
 - a. Hand and Forearm Surgical Anatomy
37. Emory Orthopaedic Surgery Upper Extremity Cadaver Lab Dissection, October 28, 2021.
 - a. Shoulder and Scapula Surgical Anatomy
38. Physical Medicine and Rehabilitation (PM&R) Grand Rounds, Emory University, December 2, 2021.
 - a. Rethinking Neurogenic Thoracic Outlet Syndrome and Other Brachial Plexus Syndromes
39. Emory Emory Upper Extremity Complex Elbow Seminar featuring Jorge Orbay, January 7 – 8, 2022.
 - a. Moderator: Complex Elbow Seminar
40. Emory Wrist Arthroscopy Course, Naples Florida, January 21-22, 2022.
 - a. Moderator/Organizer: Advanced Skills in Wrist Arthroscopy
41. Emory Upper Extremity Ultrasound Seminar. February 11 – 12, 2022.
 - a. Moderator: Ultrasound Guided Carpal Tunnel Seminar
42. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 8, 2022
 - a. Lecture: Shoulder Anatomy and Examination
 - b. Lecture: Shoulder Imaging: From Radiographic to Advanced Imaging Considerations

43. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 15, 2022
 - a. Lecture: Shoulder Arthritis: Diagnostic and Surgical Considerations
 - b. Lecture: Shoulder Instability: Controversies and Considerations
44. Emory Upper Extremity Trimmed Complex Wrist Fracture Course, May 6 – 7, 2022.
 - a. Moderator: Wrist Fracture Course
 - b. Lecture: Bridge Plating for Distal Radius Fractures: Indication and Technical Tips
45. Emory Upper Extremity Aptis Distal Radioulnar Joint Seminar featuring Louis Schecker, May 13 -14, 2022.
 - a. Moderator: Distal Radioulnar Joint Seminar
46. Emory Diversity and Equity Summer Scholars Program, July 5, 2022
 - a. Discussion: How to be a Great Medical Student and Resident
47. Emory Residents Bootcamp Shoulder: Planning and Executing a Total Shoulder Arthroplasty with Mixed Reality, September 15, 2022
 - a. Lecture: Considerations in Shoulder Arthritis and Arthroplasties
 - b. Lecture: Mixed Reality in Shoulder Arthroplasty
 - c. Lab Leader: Shoulder Arthroplasty in 4 different case scenarios using Mixed Reality
48. FOSSIL Finds Program Keynote Speaker for June as part of Emory Orthopaedic Surgery's Diversity and Inclusion Initiative, November 15, 2022
 - a. TED Talk: How to Solve the Disparities in Healthcare Utilization
49. Emory Wrist Arthroscopy Course, Naples Florida, January 6-7, 2023.
 - a. Moderator/Organizer: Advanced Skills in Wrist Arthroscopy
50. Emory Upper Extremity Grand Rounds, March 27, 2023
 - a. Lecture: Scientific Writing: Tips, Tricks, and Algorithms to Consider
51. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 7, 2023
 - a. Lecture: Shoulder Anatomy and Examination
 - b. Lecture: Shoulder Imaging Considerations and Future Innovations
52. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 28, 2023
 - a. Lecture: Shoulder Arthritis: from diagnosis to treatment and future innovations
 - b. Lecture: Scapular Pathologies Controversies and Considerations
53. Emory Upper Extremity Grand Rounds, Department of Orthopaedic Surgery, Emory University, March 4, 2024
 - a. Lecture: Innovations in Wrist Arthroscopy

54. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 5, 2024
 - a. Lecture: High Yield Shoulder Anatomy and Examination
 - b. Lecture: Critical Shoulder Imaging Considerations and Anatomic Correlations

55. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 12, 2024
 - a. Lecture: Shoulder Arthritis: from diagnosis to treatment and future innovations
 - b. Lecture: Shoulder Instability: Gold Standard Algorithms and Future of Arthroscopic Bone Blocks

56. Emory Resident Didactics Grand Rounds, Department of Orthopaedic Surgery, Emory University, April 19, 2024
 - a. Lecture: Rotator Cuff: from diagnosis to arthroscopic treatment to high yield topics
 - b. Lecture: High Yield Shoulder Arthroscopy: from the Biceps to the Acromioclavicular Joint

PUBLICATIONS

Impact Factor:

- **Web of Science: 33**
- **Scopus: 46**
- **Google Scholar: 53**

Peer-reviewed Articles

1. **Wagner ER**, He BC, Chen L, Zuo GW, Zhang W, Shi Q, Luo Q, Luo X, Liu B, Luo J, Rastegar F, He CJ, Hu Y, Boody B, Luu HH, He TC, Deng ZL, and Haydon RC. Therapeutic Implications of PPAR γ in Human Osteosarcoma. *PPAR Research* 2010 Feb 16. PMID: 20182546.
2. Zuo GW, Kohls CD, He BC, Chen L, Zhang W, Shi Q, Zhang BQ, Kang Q, Luo J, Luo X, **Wagner ER**, Kim SH, Restegar F, Haydon RC, Deng ZL, Luu HH, He TC, and Luo Q. The CCN proteins: important signaling mediators in stem cell differentiation and tumorigenesis. *Histology and Histopathology* 2010 Jun;25(6):795-806. PMID: 20376786.
3. Chen L, Jiang W, Huang J, He B, Zuo G, Zhang W, Luo Q, Shi Q, Zhang BQ, **Wagner ER**, Luo J, Tang M, Wietholt C, Luo X, Bi Y, Su Y, Liu B, Kim S, He C, Hu Y, Shen J, Rastegar F, Huang E, Gao Y, Gao J, Zhou JZ, Reid RR, Luu HH, Haydon RC, He TC*, and Deng ZL*. Insulin-like Growth Factor 2 (IGF2) Potentiates BMP9-induced Osteogenic Differentiation of Mesenchymal Stem Cells and Bone Formation. *Journal of Bone and Mineral Research* 2010 Nov;25(11):2447-59. PMID: 20499340.

4. Zhang W, Deng Z, Chen L, Zuo G, Luo Q, Shi Q, Zhang BQ, **Wagner ER**, Rastegar F, Kim S, Jiang W, Shen J, Huang E, Gao Y, Gao J, Zhou J, Luo J, Huang J, Luo X, Bi Y, Su Y, Yang K, Liu H, Luu HH, Haydon RC, He TC*, and He BC*. Retinoic Acids Potentiate BMP9-Induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. *PLoS ONE* 2010 Jul 30;5(7):e11917. PMID: 20689834.
5. He BC, Chen L, Zuo GW, Zhang W, Bi Y, Huang J, Wang Y, Jiang W, Luo Q, Liu B, Luo X, **Wagner ER**, Shen J, Zhou Q, Rastegar F, Deng ZL, Luu HH, He TC, Haydon RC. Synergistic antitumor effect of the activated PPARgamma and retinoid receptors on human osteosarcoma. *Clin Cancer Res.* 2010 Apr 15;16(8):2235-45. doi: 10.1158/1078-0432.CCR-09-2499. PMID: 20371684
6. Rastegar F, Shenaq D, Huang J, Zhang W, Zhang BQ, He BC, Chen L, Zuo GW, Luo Q, Shi Q, **Wagner ER**, Huang E, Gao Y, Gao JL, Kim SH, Zhou JZ, Bi Y, Su Y, Zhu B, Luo J, Luo X, Qin J, Reid RR, Luu HH, Haydon RC, He TC, and Deng ZL. Mesenchymal stem cells: from the Bench to the Bedside. *World Journal of Stem Cells.* 2010 2 (4): 67-80. PMID: 21607123.
7. Shenaq D, Rastegar F, Petkovic D, Deng ZL, Chen L, He BC, Luo X, Luo Q, Shi Q, **Wagner ER**, Huang E, Gao Y, Gao JL, Kim SH, Zhou JZ, Yang K, Qin J, Luu HH, Reid RR, He TC, Haydon RC. Mesenchymal Stem Cell Therapy for Musculoskeletal Disorders: Forging a Path Towards Clinical Trials. *Stem Cells International* 2010 Dec 16;2010:519028. PMID: 21234334.
8. Rastegar F, Gao JL, Shenaq D, Luo Q, Kim SH, Jiang W, **Wagner ER**, Huang E, Gao Y, Shen J, Yang K, He BC, Chen L, Zuo GW, Luo J, Li M, Wang L, Luther G, Luu HH, Haydon RC, He TC. Lysophosphatidic acid acyltransferase β (LPAAT β) promotes the tumor growth of human osteosarcoma. *PLoS One.* 2010 Dec 1;5(12):e14182. doi: 10.1371/journal.pone.0014182. PMID: 21152068
9. **Wagner ER**, Zhu G, Zhang BQ, Luo Q, Shi Q, Huang E, Gao Y, Gao J, Kim S, Rastegar F, Yang K, He BC, Chen L, Zuo G, Bi Y, Su Y, Luo J, Luo X, Huang J, Deng Z, Reid RR, Luu HH, Haydon RC, and He TC*. The Therapeutic Potential of the Wnt Signaling Pathways in Bone Disorders. *Current Molecular Pharmacology.* 2011 Jan;4(1):14-25. PMID: 20825362.
10. **Wagner ER**, Luther G, Zhu G, Luo Q, Shi Q, Kim SH, Gao J, Huang E, Gao Y, Yang K, Luo X, Su Y, He B, Tang N, Chen L, Rames R, Haydon R, Luu H, and He TC. Defective osteogenic differentiation in the development of osteosarcoma. *Sarcoma.* 2011;2011:325238. Epub 2011 Feb 22. PMID: 21437219.
11. He BC, Gao JL, Zhang BQ, Luo Q, Shi Q, Kim S, Huang E, Gao Y, Yang K, **Wagner ER**, Wang L, Tang N, Luo J, Liu J, Bi Y, Shen J, Luther G, Hu N, Zhou Q, Luu HH, Haydon RC, Zhao Y, and He TC. Tetrandrine Inhibits Wnt/b-Catenin Signaling and Suppresses Tumor Growth of Human Colorectal Cancer. *Molecular Pharmacology.* 2011 Feb;79(2):211-9. PMID: 20978119.

12. Luther G, Rames R, **Wagner ER**, Zhu G, Luo Q, Bi Y, Kim SH, Gao JL, Huang E, Wang L, Li M, Hu N, Su Y, Luo X, Chen L, Luo J, Haydon RC, Luu HH, Zhou L, and He TC. Molecular Basis of Differentiation Therapy for Soft Tissue Sarcomas. 2011 *Trends in Cancer Research* 201 6:69-90.
 13. He BC*, Gao JL*, Zhang BQ, Luo Q, Shi Q, Kim SH, Huang E, Gao Y, **Wagner ER**, Wang L, Tang N, Luo J, Liu X, Li M, Bi Y, Shen J, Luther G, Hu N, Luu HH, Haydon RC, Zhao Y, and He TC. Tetrandrine Inhibits Wnt/b-Catenin Signaling and Suppresses Tumor Growth of Human Colorectal Cancer. *Molecular Pharmacology* 2011 79(2):211-219 PMID: 20978119 .
 14. Luther G, **Wagner ER**, Zhu G, Kang Q, Luo Q, Lamplot J, Bi Y, Luo J, Teven C, Shi Q, Kim SH, Gao J, Huang E, Rames R, Liu X, Hu N, Su Y, Chen L, He BC, Zuo G, Deng ZL, Reid RR, Luu HH, Haydon RC, and He TC. BMP-9 Induced Osteogenic Differentiation of Mesenchymal Stem Cells: Molecular Mechanism and Therapeutic Potential *Current Gene Therapy* 2011 Jun 1;11(3):229-40. PMID: 21453282.
 15. Su Y*, **Wagner ER***, Huang J, Chen L, He BC, Zuo GW, Zhang W, Luo Q, Shi Q, Zhu G, Bi Y, Luo B, Luo X, Kim SH, Shen J, Rastegar F, Huang E, Gao T, Gao J, Zhou JJ, Li M, Qin J, Haydon RC, He TC, and Luu HH. Insulin-like Growth Factor Binding Protein 5 Suppresses Tumor Growth and Metastasis of Human Osteosarcoma. *Oncogene*. 2011 Apr 4. PMID: 21460855
- *co-first authors, each contributed equally to work.
16. Elhassan BT, **Wagner ER**, Bishop AT. Feasibility of contralateral trapezius transfer to restore shoulder external rotation. part 1. *Journal of Shoulder and Elbow Surgery*. 2012. PMID 22137375
 17. **Wagner ER**, Trousdale RT. Computer Navigation in Total Joint Arthroplasty: Promising in Hips, More of a Bother in Knees. *Seminars in Arthroplasty*. 2012 March, 23:13-17.
 18. Luther GA, Lamplot J, Chen X, Rames R, **Wagner ER**, Liu X, Paresh A, Huang E, Kim SH, Shen J, Haydon RC, He TC and Luu HH: IGFBP5 Domains Exert Distinct Inhibitory Effects on the Tumorigenicity and Metastasis of Human Osteosarcoma. *Cancer Letters*. 2013. PMID: 23665505
 19. Chen X, Luther G, Zhang W, Nan G, **Wagner ER**, Liao Z, Wu N, Zhang H, Wang N, Wen S, He Y, Deng F, Zhang J, Wu D, Zhang B, Haydon RC, Zhou L, Luu HH, He TC. The E-F hand calcium-binding protein S100A4 regulates the proliferation, survival and differentiation potential of human osteosarcoma cells. *Cell Physiology Biochemistry*. 2013;32(4):1083-96. PMID 24217649
 20. Elhassan BT, Christiansen T, **Wagner ER**. Feasibility of Latissimus and/or Teres Major Transfer to Reconstruct Irreparable Subscapularis Tendon Tear: An Anatomic Study. *Journal of Shoulder and Elbow Surgery*. 2014. PMID 24076001

21. Lamplott JD, **Wagner ER**, Manning DW. Multimodal Pain Management in Total Knee Arthroplasty; A Prospective Randomized Controlled Trial. *Journal of Arthroplasty*. 2014. PMID 23850410
22. Kakar S, Fox T, **Wagner ER**, Berger R. Linked Distal Radioulnar Joint Arthroplasty: An Analysis of the APTIS Prosthesis. *Journal of Hand Surgery: European Volume*. 2014. PMID 24554688
23. Wilke B*, **Wagner ER***, Trousdale RT. Long-term Survival of Semi-Constrained Total Knee Arthroplasty for Revision Surgery. *Journal of Arthroplasty*. 2014, Oct. PMID
*Equal contributions and authorship.
24. Watts C, **Wagner ER**, Houdek MT, Osmon DR, Hanssen AD, Lewallen DG, Mabry TM. Morbid Obesity: A Significant Risk Factor for Failure of Two-Stage Revision TKA for Infection. *Journal of Bone and Joint Surgery*, 2014 Sep 17;96(18):e154. doi: 10.2106/JBJS.M.01289. PMID: 25232084.
25. Houdek MT, **Wagner ER**, Wyles CC, Moran SL. Anatomical feasibility of the anterior obturator nerve transfer to restore bowel and bladder function. *Microsurgery*. 2014 Sep;34(6):459-63. doi: 10.1002/micr.22256. PMID: 24710737.1
26. Lamplot JD, Angeline M, Angeles J, Beederman M, **Wagner E**, Rastegar F, Scott B, Skjong C, Mass D, Kang R, Ho S, Shi LL. Distinct Effects of Platelet-Rich Plasma and BMP13 on Rotator Cuff Tendon Injury Healing in a Rat Model. *Am J Sports Med*. 2014 Sep 5. pii: 0363546514547171. PMID: 25193888
27. Suh N, **Wagner ER**, Spinner R, Bishop AT, Shin AY. Trick Elbow Motions in Patients with Brachial Plexus Injuries. *Journal of Hand Surgery*, 2014 Jun 4. pii: S0363-5023(14)00536-X. doi: 10.1016/j.jhsa.2014.04.040. PMID: 24908554
28. **Wagner ER**, Suh N, Bishop AT, Shin AY. Failure of Open Reduction and Internal Fixation of Acute Scaphoid Fractures. *Journal of Hand Surgery*, 2014 Jul;39(7):1440-5. doi: 10.1016/j.jhsa.2014.02.023. PMID: 24754916
29. Lamplot JD, Liu B, Yin L, Wang Z, Luther G, **Wagner ER**, Nan G, Shui W, Yan Z, Rames R, Zhang H, Liao Z, Liu W, Zhang Z, Zhang Q, Ye J, Deng Y, Qiao M, Haydon RC, Luu HH, Angeles J, Shi LL, He TC, Ho SH. (2014) Reversibly Immortalized Mouse Articular Chondrocytes Acquire Long-Term Proliferative Capability while Retaining Chondrogenic Phenotype. *Cell Transplantation*. 2014. PMID: 24800751
30. Wyles C, Houdek MT, Wyles S, **Wagner ER**, Behfar A, Sierra R. Differential Cytotoxicity of Corticosteroids on Human Mesenchymal Cells. *Clinical Orthopaedics Related Research*. 2015. PMID: 25187334

31. Houdek MT, **Wagner ER**, Watts C, Osmon DR, Hanssen AD, Lewallen DG, Mabry TM. Morbid Obesity: A Significant Risk Factor for Failure of Two-Stage Revision THA for Infection. *Journal of Bone and Joint Surgery*. 2015. PMID: 25695985
32. **Wagner ER**, Elhassan BE, Kakar S. Long-term Outcomes of Patients with Bilateral Total Wrist Arthrodesis. *Journal of Hand Surgery*. 2015. PMID: 25510154
33. Houdek MT, **Wagner ER**, Berger RA, Moran ST. Disorders of the Distal Radioulnar Joint. *Plastic and Reconstructive Surgery*. 2015. 135(1):161-72. doi: 10.1097. PMID: 25285686
34. Elhassan BT, **Wagner ER**. Outcome of Transfer of the Sternal Head of Pectoralis Major with its Bone Insertion to Manage Scapular Winging. *Journal of Shoulder and Elbow Surgery*. 2015. PMID: 25440516
35. **Wagner ER**, Van Demark RE, Wilson G, Kor D, Moran SL, Rizzo M. (2014). Intraoperative periprosthetic fractures associated with metacarpophalangeal joint arthroplasty. *Journal of Hand Surgery*, 2015. PMID: 25721238
36. Schoch B, **Wagner ER**, Elhassan BT. Tendon Transfers for Massive Irreparable Rotator Cuff Tear. *Operative Techniques in Orthopaedics*. 2015. DOI: 10.1053/j.oto.2014.11.001
37. Elhassan BT, **Wagner ER**. Outcome of Triple Transfer T3 (an Eden-Lange Variant) to Reconstruct Trapezius Paralysis. *Journal of Shoulder and Elbow Surgery*. 2015. PMID: 25842024
38. Houdek MT, **Wagner ER**, Stans A, Sim FH, Moran SL. (2014). What is the Outcome of Allograft and Intramedullary Free Fibular (Capanna technique) in a Pediatric and Adolescent Patients with Bone Tumors? *Clinical Orthopedics Related Research (CORR)*. 2015. PMID: 25701001
39. Watts C, **Wagner ER**, Houdek MT, Lewallen DG, Mabry TM. Morbid Obesity: Increased Risk of Failure After Aseptic Revision TKA. *Clinical Orthopedics Related Research (CORR)*. 2015. PMID: 25845948
40. **Wagner ER**, Shin AY. Myopericytoma of the Hypothenar Eminence. *Hand*, 2015. PMID: 26034459
41. Houdek MT, **Wagner ER**, Wyles CC, Nanos GP 3rd, Moran SL. New options for vascularized bone reconstruction in the upper extremity. *Seminars in Plastic Surgery*. 2015 Feb;29(1):20-9. doi: 10.1055/s-0035-1544167. PMID: 25685100
42. Wilke BK, **Wagner ER**, Trousdale RT. Long-term Survival of a Semi-Constrained Implant Following Revision for Infection. *Journal of Arthroplasty*. 2015. PMID 25769740

43. Houdek MT, Shannon SF, Watts CD, **Wagner ER**, Sems SA, Sierra RJ. Patella Fractures Prior to Total Knee Arthroplasty: Worse Outcomes but Equivalent Survivorship. *Journal of Arthroplasty*, 2015. PMID 26148835
44. Watts CD, Houdek MT, **Wagner ER**, Sculco PK, Chalmers BP, Taunton MJ. High Risk of Wound Complications Following Direct Anterior Total Hip Arthroplasty in Obese Patients. *Journal of Arthroplasty*, 2015. PMID: 26145189
45. **Wagner ER**, Houdek MT, Sanchez-Sotelo J, Elhassan BT, Cofield R, Sperling J. What Are Risk Factors for Intraoperative Humerus Fractures During Revision Reverse Shoulder Arthroplasty and Do They Influence Outcomes? *Clinical Orthopedics Related Research (CORR)*. 2015. PMID: 26162412
46. **Wagner ER**, Houdek MT, Wilson G, Kor D, Moran SL, Rizzo M. Revision Proximal Interphalangeal Arthroplasty; An Outcome Analysis of 75 Consecutive Cases. *Journal of Hand Surgery*, 2015. PMID: 26163921
47. **Wagner ER**, Bravo DB, Elhassan BT, Moran SL. Factors associated with improved outcomes following proximal row carpectomy: a long-term outcome study of 144 patients. *Journal of Hand Surgery European Volume*, 2015. PMID: 26228698
48. Houdek MT, Watts CD, Shannon SF, **Wagner ER**, Sems SA, Sierra RJ. Posttraumatic Total Knee Arthroplasty Continue to have Worse Outcomes than Total Knee Arthroplasty for Osteoarthritis. *Journal of Arthroplasty*, 2015. PMID 26264176
49. **Wagner ER**, Van Demark RE, Moran SL, Rizzo M. Risks and Outcomes associated with 382 Consecutive Intraoperative Periprosthetic Fractures in PIP Arthroplasty. *Journal of Hand Surgery*. 2015. PMID 26298163
50. **Wagner ER**, Elhassan BT, Rizzo M. Diagnosis and Treatment of Chronic Lunotriquetral Injuries. *Hand Clinics*. 2015. PMID: 26205709
51. Houdek MT, **Wagner ER**, Wilke BK, Wyles CC, Taunton MJ, Sim FH. Late complications and long-term outcomes following aseptic revision of a hip arthroplasty performed for oncological resection. *Hip International*. 2015 PMID: 26351114
52. Watts CD, Houdek MT, **Wagner ER**, Lewallen DG, Mabry TM. Morbidly obese vs non-obese aseptic revision total hip arthroplasty: surprisingly similar outcomes. *Journal of Arthroplasty*. 2015. PMID: 26404850
53. Houdek MT, **Wagner ER**, Wilke BK, Wyles CC, Taunton MJ, Sim FH. Long-term outcomes of cemented endoprosthetic reconstruction for periarticular tumors of the distal femur. *Knee*. 2015. PMID 26362940
54. **Wagner ER**, Bravo D, Dadsetan M, Riester S, van Wijnen A, Yaszemski MJ, Kakar S. Ligament and Tendon Tissue Engineering Using a Novel Porous Polycaprolactone Fumarate

- Scaffold and Adipose Tissue-Derived Mesenchymal Stem Cells Grown in Platelet Lysate. *Tissue Engineering Part A*, 2015. PMID: 26413793
55. Watts CD, Houdek MT, **Wagner ER**, Abdel MP, Taunton MJ. Insulin Dependence Increases the Risk of Failure After Total Knee Arthroplasty in Morbidly Obese Patients. *Journal of Arthroplasty*. 2015. PMID: 26414110
56. Houdek MT, **Wagner ER**, Rizzo M, Moran SL. Metacarpophalangeal Joint Arthroplasty in the Setting of Trauma. *Journal of Hand Surgery*. 2015. PMID 26527597
57. Li Y, **Wagner ER**, Yan Z, Wang Z, Luther G, Jiang W, Ye J, Zhao L, Mohammed M, Tang S, Liu H, Zhang F, Zou Y, Song D, Liao J, Haydon RC, Luu HH*, and He TC*: The Calcium-Binding Protein S100A6 Accelerates Human Osteosarcoma Growth by Promoting Cell Proliferation and Inhibiting Osteogenic Differentiation. *Cellular Physiology and Biochemistry*. 2015.
58. Houdek MT, **Wagner ER**, Wyles C, Sems SA, Moran SL. Reverse Medial Hemisoleus Flaps for Coverage of Distal Third Leg Wounds: A Technical Trick. *Journal of Orthopaedic Trauma*. 2016. PMID 26606601
59. Houdek MT, **Wagner ER**, Shin AY. The Cup of Diogenes: a fixed anatomical landmark for carpal tunnel surgery. *HAND*. 2016. PMID 26568728.
60. Elhassan BT, **Wagner ER**. Feasibility of Contralateral Trapezius Transfer to Restore Shoulder External Rotation: Part II. *Journal of Hand Surgery*. 2016. PMID 26787407
61. Statz J, **Wagner ER**, Houdek MT, Cofield RH, Sanchez-Sotelo J, Elhassan BT, Sperling JW. Outcomes of Primary Reverse Shoulder Arthroplasty in Patients with Morbid Obesity. *Journal of Shoulder and Elbow Surgery*. 2016. PMID: 26908170
62. **Wagner ER**, Houdek MT, Griffith T, Elhassan BT, Cofield R, Sanchez-Sotelo J, Sperling J. Glenoid Bone Grafting in Revision Reverse Total Shoulder Arthroplasty. *Journal of Bone and Joint Surgery*, 2016. PMID 26491129
63. Watts CD, Houdek MT, **Wagner ER**, Taunton MJ. Subcutaneous Fat Thickness is Associated with Early Reoperation and Infection Following Total Knee Arthroplasty in Morbidly Obese Patients. *Journal of Arthroplasty*. 2016. PMID: 26989030
64. Elhassan BT, **Wagner ER**, Werthel JD. Outcome of Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tear. *Journal of Shoulder and Elbow Surgery*. 2016. PMID: 26968088
65. Meislin M, **Wagner ER**, Shin AY. A Comparison of Elbow Range of Motion Measurements: Smartphone based digital photography versus goniometric measurements. *Journal of Hand Surgery*, 2016. PMID: 26880499

66. Shannon SF, **Wagner ER**, Houdek MT, Cross WW, Sanchez-Sotelo J. Reverse Shoulder Arthroplasty for Proximal Humerus Fractures: Outcomes Comparing Primary Reverse Arthroplasty for Fracture versus Reverse Arthroplasty After Failed Osteosynthesis. *Journal of Shoulder and Elbow Surgery*. 2016. PMID: 27101774
67. Houdek MT, **Wagner ER**, Wyles CC, Watts CD, Cass JR, Trousdale RT. All-Polyethylene Tibial Components: An Analysis of Long-Term Outcomes and Infection. *Journal of Arthroplasty*. 2016. PMID: 27067171
68. Bravo D, **Wagner ER**, Larson DR, Davis MP, Pagnano MW, Sierra RJ. No Increased Risk of Knee Arthroplasty Failure in Patients with Positive Skin Patch Testing for Metal Hypersensitivity; a match cohort study. *Journal of Arthroplasty*. 2016. PMID: 26869063
69. Baltzer HL, **Wagner ER**, Kircher MF, Spinner RJ, Bishop AT, Shin AY. Evaluation of Infrapinatus Reinnervation and Function Following Spinal Accessory Nerve to Suprascapular Nerve Transfer in Adult Traumatic Brachial Plexus Injuries. *Microsurgery*. 2016. PMID: 27206345
70. Samuelsen B, **Wagner ER**, Houdek MT, Elhassan BT, Sanchez-Sotelo J, Cofield RC, Sperling JW. Primary Reverse Shoulder Arthroplasty in Patients 65 Years of Age or Younger. *Journal of Shoulder and Elbow Surgery*. 2016. PMID 27522342
71. Houdek MT, **Wagner ER**, Pensy RA, Eglseder WA. Extensor Digitorum Brevis Flap for the Coverage of Ankle and Dorsal Foot Wounds; A Technical Trick. *Journal of Orthopedic Trauma*, 2016. PMID 27392161
72. **Wagner ER**, Kamath A, Harmsen WS, Fruth K, Berry DJ. BMI as a Continuous Variable in Total Hip Arthroplasty. *Journal of Bone and Joint Surgery*. 2016. PMID 28002368
73. Hatta T, Werthel JD, **Wagner ER**, Itoi E, Steinmann SP, Cofield RC, Sperling JW. Effect of Smoking on Complications Following Primary Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2016. PMID 27810265.
74. Srnec JJ, **Wagner ER**, Capo JT, Rizzo M. Arthrodesis for Trapeziometacarpal Arthritis. *Internal Medicine Review*, 2016.
75. Elhassan BT, Alentorn-Geli E, Assenmacher A, **Wagner ER**. Arthroscopic-assisted lower trapezius tendon transfer for massive irreparable posterior-superior rotator cuff tears: surgical technique. *Arthroscopy Techniques*, 2016. PMID 27909664
76. Wyles CC, McArthur BA, **Wagner ER**, Houdek MT, Jimenez-Almonte JH, Trousdale RT. Ceramic Femoral Heads for All Patients? An Argument for Cost Containment in Hip Surgery. *The American Journal of Orthopedics*, 2016. PMID 27737298.

77. **Wagner ER**, Kamath A, Harmsen WS, Fruth K, Berry DJ. Effect of Body Mass Index of Reoperation and Complications After Total Knee Arthroplasty. *Journal of Bone and Joint Surgery*. 2016. PMID 28002368
78. Bravo D, Shogren KL, Zuo D, **Wagner ER**, Sarkar G, Yaszemski MJ, Maran A. 2-Methoxyestradiol-Mediated Induction of Frzb Contributes to Cell Death and Autophagy in MG63 Osteosarcoma Cells. *Journal of Biochemistry*, 2016. PMID 27883247.
79. Houdek MT, **Wagner ER**, Bishop AT, Shin AY, Rose PS, Sim FY, Moran SL. Complications and Long-Term Outcome Following Free Fibula Reconstruction Following Resection of a Malignant Tumor in the Extremities. *Plastics and Reconstructive Surgery*, 2017. PMID 28121893
80. Houdek MT, Wyles CC, Watts CD, **Wagner ER**, Sierra RJ, Trousdale RT, Taunton MJ. Single-Anesthetic Versus Staged Bilateral Total Hip Arthroplasty: A Matched Cohort Study. *Journal Bone and Joint Surgery*, 2017. PMID 28060233.
81. **Wagner ER**, Bishop AT, Shin AY. Venous Bridge Arterial Grafting for Thumb Replantation. *HAND*, 2017. PMID 28453337.
82. Born T, **Wagner ER**, Kakar S. Comparison of open drainage vs closed catheter irrigation for treatment of purulent flexor tenosynovitis. *HAND*. 2017.
83. **Wagner ER**, Houdek MT, Sanchez-Sotelo J, Cofield R, Sperling J, Elhassan BT. Increasing Body Mass Index is Associated with Worse Outcomes after Shoulder Arthroplasty. *Journal of Bone and Joint Surgery*, 2017. PMID 28590378
84. Chalmers B, **Wagner ER**, Houdek MT, Sperling JW, Cofield RC, Sanchez-Sotelo J. Treatment of Dislocation after Reverse Shoulder Arthroplasty. *Journal of Shoulder and Elbow Arthroplasty*, 2017.
85. **Wagner ER**, Houdek MT, Elhassan BT, Cofield R, Sanchez-Sotelo J, Sperling J. Considerations in Glenoid Bone Grafting in Reverse Total Shoulder Arthroplasty. *Journal of Bone and Joint Surgery; Essential Surgical Techniques*, 2017.
86. Ernstbrunner L, Werthel JD, **Wagner ER**, Hatta T, Cofield RC, Sperling JW. Glenoid Bone Grafting in Primary Reverse Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2017. PMID 28372964
87. **Wagner ER**, Statz JM, Houdek MT, Cofield RC, Sanchez-Sotelo J, Sperling JW. Use of a Shorter Humeral Stem in Revision Reverse Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2017. PMID 28359695
88. **Wagner ER**, Houdek MT, Schleck C, Harmsen WS, Sanchez-Sotelo J, Cofield RC, Elhassan BT, Sperling JW. The Role Age Plays in the Outcomes and Complications of Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2017. PMID 28359699

89. Lewallen LW, **Wagner ER**, Moran SL. Giant Cell Tumor of the Metacarpal: Case Report. *Hand*, 2017. PMID 28719994
90. **Wagner ER**, Houdek MT, Hernandez NM, Cofield RC, Sanchez-Sotelo J, Sperling JW. Cement-within-Cement Technique in Revision Reverse Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*, 2017. PMID 28233712
91. Houdek MT, **Wagner ER**, Rose PS, Sim FY, Moran SL. Outcomes and Complications Following Free Fibula Reconstruction for Spinal-Pelvic Defects Following Resection of a Malignant Tumor. *Journal of Bone and Joint Surgery*, 2017. PMID 28678130
92. **Wagner ER**, Werthel JD, Elhassan BT, Moran SL. Proximal Row Carpectomy and 4 Corner Fusion in Patients Younger than 45 Years of Age. *Journal of Hand Surgery*, 2017. PMID 28410937
93. Srnec J, **Wagner ER**, Rizzo M. Implant Arthroplasty for Proximal Interphalangeal, Metacarpophalangeal, and Trapeziometacarpal Joint Degeneration. *Journal of Hand Surgery*. 2017 PMID 28869061
94. **Wagner ER**, Ransom JE, Kremers HM, Morrey ME, Sanchez-Sotelo J. Comparison of the Hospital Costs for Two-Stage Reimplantation for Deep Infection, Single-Stage Revision, and Primary Total Elbow Arthroplasty. *Shoulder and Elbow Surgery*. 2017. PMID 28932285
95. Parry JA, **Wagner ER**, Kok P, Dadsetan M, Yaszemski MJ, van Wijnen A, Kakar S. A Polycaprolactone Fumarate (PCLF) Scaffold Reinforced with Polyethylene Terephthalate (PET) for Intra-Articular Ligament Regeneration. *Tissue Engineering Part A*, 2017. PMID 28530131
96. **Wagner ER**, Srnec J, Mehrotra K, Rizzo M. What are the risk factors Associated with Intraoperative and Postoperative Fractures in Total Wrist Arthroplasty? *Clinical Orthopedics and Related Research*, 2017. PMID 28688019
97. Hernandez N, Chalmers B, **Wagner ER**, Sperling JW, Cofield RC, Sanchez-Sotelo J. Revision Reverse Shoulder Arthroplasty for Prosthetic Instability. *Clinical Orthopedics and Related Research*, 2017. PMID 28849539
98. **Wagner ER**, Conti Mica M, Shin AY. Smartphone Photography Utilized to Measure Wrist Range of Motion. *Journal of Hand Surgery European*, 2017. PMID 28872411
99. Sanchez-Sotelo J, **Wagner ER**, Sim FH, Houdek MT. Allograft-Prosthetic Composite Reconstruction for Massive Proximal Humerus Bone Loss in Reverse Shoulder Arthroplasty. *Journal of Bone and Joint Surgery*, 2017.
100. **Wagner ER**, Parry J, Dadsetan M, Bravo D, Riester S, van Wijnen A, Yaszemski MJ, Kakar S. Chondrocyte Attachment, Proliferation, and Differentiation on 3D Polycaprolactone Fumarate Scaffolds. *Tissue Engineering Part A*, 2017. PMID: 28375818

101. Elhassan BT, **Wagner ER**, Werthel JD, Lehanneur M, Lee J. Outcome of reverse shoulder arthroplasty with pedicled pectoralis transfer in patients with deltoid paralysis. *Journal of Shoulder and Elbow Surgery*, 2017. PMID 28941970
102. Aibinder WR, **Wagner ER**, Bishop AT, Shin AY. Bone Grafting for Scaphoid Nonunions: Is Free Vascularized Bone Grafting Superior for Scaphoid Nonunion? *Hand*, 2017. PMID 29078719
103. Born TR, **Wagner ER**, Kakar S. Comparison of Open Drainage Versus Closed Catheter Irrigation for Treatment of Suppurative Flexor Tenosynovitis. *Hand*, 2018. PMID 29091483
104. Houdek MT, **Wagner ER**, Watts CD, Sems SA, Moran SL. Free Composite Serratus Anterior-Latissimus-Rib Flaps for Acute One-Stage Reconstruction of Gustilo IIIB Tibia Fractures: A Case Series and Review of the Literature. *The American Journal of Orthopedic*, 2018. PMID 29979800
105. Srncic JJ, **Wagner ER**, Rizzo M. Impact of Multi- Versus Single Finger Proximal Interphalangeal Joint Arthroplasty. *Journal of Hand Surgery; European Volume*, 2018. PMID 29595086
106. Borque KA, Chang MJ, Welp K, **Wagner ER**, Woodmass JM, Warner JJ. Managing Glenoid Bone Loss in Total Shoulder Arthroplasty: Role of Augmented Patient-Specific Implants. *Seminars Arthroplasty*. 2018.
107. Woodmass JM, Welp K, Chang MJ, Borque KA, **Wagner ER**, Warner JJ. Three- and Four Part Proximal Humerus Fractures in the Elderly: Eminence versus Evidence. *Seminars in Arthroplasty*, 2018.
108. Houdek MT, **Wagner ER**, Wyles CC, Hanssen AD, Taunton MJ, Moran SL. Long-term Outcome of Pedicled Gastrocnemius Flaps in Total Knee Arthroplasty. *Journal of Bone and Joint Surgery*. 2018. PMID 29762280.
109. Statz J, **Wagner ER**, Sperling JW, Cofield RC. Outcomes of Shoulder Arthroplasty in Diabetic Patients as Assessed by Perioperative A1C. *International Orthopedics*, 2018. PMID 29552690
110. **Wagner ER**, Welp K, Chang MJ, Woodmass JM, Borque KA, Warner JJ. Common Pain Generators after Total Shoulder Arthroplasty and Their Pesky Relatives. *Seminars in Arthroplasty*, 2018.
111. O'Shaughnessy MA, **Wagner ER**, Berger RA, Kakar S. Buying Time: Long-term Results of Wrist Denervation Surgery and Time to Repeat Surgery. *HAND*, 2018. PMID 29504473
112. **Wagner ER**, Parry J, Dadsetan M, Bravo D, Riester S, Yaszemski MJ, van Wijnen A, Kakar S. VEGF-Mediated Angiogenesis and Vascularization of a Fumarate-Crosslinked Polycaprolactone (PCLF) Scaffold. *Connective Tissue Research*, 2018. PMID 29513041

113. **Wagner ER**, Chung KC. Is Surgeon Skill and Experience the Ultimate Consideration? Commentary on “A Combined 70 Years of Surgical Experience: Open vs Endoscopic Carpal Tunnel Surgery”. *Journal of Hand Surgery*, 2018. PMID 30172278
114. Robinson WA, **Wagner ER**, Cofield RC, Sanchez-Sotelo J, Sperling JW. Long-term Outcomes of Humeral Head Replacement for the Treatment of Osteoarthritis: a report of 44 arthroplasties with minimum 10 year follow-up. *Journal of Shoulder and Elbow Surgery*, 2018. PMID 29269140
115. Su Y, Denbeigh J, Camilleri E, Parry J, **Wagner ER**, Yaszemski MJ, Dietz AB, van Wijnen AL, Kakar S. Extracellular matrix protein production in human adipose-derived mesenchymal stem cells on three-dimensional polycaprolactone (PCL) scaffolds responds to GDF5 or FGF2. *Gene Rep.* 2018. PMID 29868646
116. Boe C, **Wagner ER**, Rizzo M. Long-term outcomes of silicone metacarpophalangeal arthroplasty: a longitudinal analysis of 325 cases. *Journal of Hand Surgery.* 2018. PMID 29848135
117. Houdek MT, Bakri K, Tibbo ME, **Wagner ER**, Rose PS, Sim FH, Moran SL. Outcome and Complications Following Vertical Rectus Abdominis (VRAM) Flaps to Reconstruct Sacrectomy Defects. *Plastics and Reconstructive Surgery.* 2018. PMID 30113449
118. **Wagner ER**, McLaughlin R, Sarfani S, Cofield RH, Sperling JW, Sanchez-Sotelo J, Elhassan BT. Long-term Outcomes of Glenohumeral Arthrodesis. *Journal of Bone and Joint Surgery.* 2018. PMID 29613929
119. Mica M, **Wagner ER**, Shin AY. Smartphone Photography as a Tool to Measure Knee Range of Motion. *Journal of Surgical Orthopedic Advances*, 2018. PMID 29762117
120. Hevesi M, Chaudhry AR, **Wagner ER**, Moran SL. Thumb Carpometacarpal Arthritis in Patients with Ehlers-Danlos Syndrome: non-operative and operative experiences. *Journal of Hand Surgery, European Volume.* 2018 PMID 29991339
121. **Wagner ER**, Werthel JD, Ansari M, Shaughnessy W, Elhassan BE. The Natural History of the Elbow Bony Architecture in Patients with Obstetric Brachial Plexus Injury and the Association with Flexion Contracture. *Journal of the American Academy of Orthopedic Surgeons*, 2018. PMID 30169445
122. Sanchez-Sotelo J, **Wagner ER**, Houdek MT. Allograft-Prosthetic Composite Reconstruction for Massive Proximal Humerus Bone Loss in Reverse Shoulder Arthroplasty; Surgical Technique. *Journal of Bone and Joint Surgery Essentials Surgical Technique*, 2018. PMID 30233975.
123. Hooke AW, **Wagner ER**, Petterson K, Fischer P, Rizzo M. Functional and Kinematic Analysis of a Wrist Radial Hemiarthroplasty Design. *Journal of Musculoskeletal Research*, 2018.

124. **Wagner ER**, Houdek MT, Packard B, Moran SL, Rizzo M. Revision Metacarpophalangeal Arthroplasty; a longitudinal study of 128 cases. *Journal of American Academy of Orthopaedic Surgery*. 2018. PMID 30272593.
125. Werthel JD, **Wagner ER**, Sperling JW, Elhassan BT. Tendon Transfer Options for Trapezius Paralysis: A biomechanical study. *Journal of the American Academy of Orthopedic Surgeons*, 2018. PMID 30216241.
126. Valenti P, Maroun C, **Wagner ER**, Werthel JD. Arthroscopic Latarjet Procedure Combined With Bankart Repair: A Technique Using 2 Cortical Buttons and Specific Glenoid and Coracoid Guides. *Arthroscopic Techniques*. 2018. PMID 29868397
127. Srnec J, **Wagner ER**, Rizzo M. Total Wrist Arthroplasty: Past, Current and Future Considerations. *JBJS Reviews*, 2018. PMID 29944487
128. Woodmass JM, Welp KM, Chang MJ, Borque, KA, **Wagner ER**, Warner JJ. A Reduction in the Rate of Nerve Injury Following Latarjet: A Before-After Study Following Neuromonitoring. *Journal of Shoulder and Elbow Surgery*, 2018. PMID 30337265
129. **Wagner ER**, Solberg MJ, Higgins LD. The Utilization of Formal Physical Therapy after Shoulder Arthroplasty. *Journal of Orthopedic Physical Therapy*. 2018. PMID 2973930
130. Christensen TC, **Wagner ER**, Harmsen WC, Schleck CD, Berry DJ. Effect of Physical Parameters on Outcomes of Total Knee Arthroplasty. *Journal of Bone and Joint Surgery*. 2018. PMID 30399077.
131. **Wagner ER**, Hevesi M, Houdek MT, Cofield RC, Sperling JW, Sanchez-Sotelo J. Revision Reverse Shoulder Arthroplasty for a Failed Primary Reverse Prosthesis. *Journal of Shoulder and Elbow Surgery*, 2018. PMID 30418055.
132. **Wagner ER**, Weston JT, Houdek MT, Luo TD, Moran SL, Rizzo M. Medium-Term Outcomes With Pyrocarbon Proximal Interphalangeal Arthroplasty: A Study of 170 Consecutive Arthroplasties. *Journal of Hand Surgery, American Volume*. 2018. PMID 30172276
133. Werthel JD, **Wagner ER**, Elhassan BT. Long-term results of latissimus dorsi transfer for internal rotation contracture of the shoulder in patients with obstetric brachial plexus injury. *Journal of Shoulder and Elbow Surgery, Open Access*. 2018. PMID: 30675588
134. **Wagner ER**, Hevesi M, Houdek MT, Cofield RH, Sperling JW, Sanchez-Sotelo J. Infographic: Replacing failed reverse shoulder arthroplasties as a reliable revision approach. *Bone and Joint Surgery Journal*. 2018. PMID 30418056.
135. Le Hanneur M, Lee J, **Wagner ER**, Elhassan BE. Options of bipolar muscle transfers to restore deltoid function: an anatomical study. *Journal of Shoulder and Elbow Surgery*. 2019. PMID 30542931

136. Woodmass JM, **Wagner ER**, Chang MJ, Welp KM, Elhassan BT, Higgins LD, Warner JJ. Arthroscopic Treatment of Massive Posterosuperior Rotator Cuff Tears: A Critical Analysis Review. *Journal of Bone and Joint Surgery Reviews*. 2019. PMID 30204644.
137. **Wagner ER**, Woodmass JM, Welp KM, Chang ML, Elhassan BT, Higgins LD, Warner JJ. Novel Arthroscopic Tendon Transfers for Posterosuperior Rotator Cuff Tears: Latissimus Dorsi and Lower Trapezius Transfers. *Journal of Bone and Joint Surgery Essentials Techniques*. 2019. PMID 30233984.
138. Sabbag OD, DeDeugd CM, **Wagner ER**, Elhassan BE. Brachioradialis Flap for Soft Tissue Coverage of Posterior Elbow Wounds: Case Report and Surgical Technique. *Techniques in Upper Extremity Surgery*. 2019. PMID 30395081.
139. **Wagner ER**, Chang MJ, Welp KM, Solberg MJ, Hunt TJ, Woodmass JW, Higgins LD, Warner JP. The Impact of the Reverse Prosthesis on Revision Shoulder Arthroplasty; analysis of a high-volume shoulder practice. *Journal of Shoulder and Elbow Surgery*. 2019. PMID 30503332
140. Holzgrefe RE, Wilson JM, Staley CA, Anderson TL, Gottschalk MB, **Wagner ER**. Modified Frailty Index is an Effective Risk Stratification Tool for Patients Undergoing Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2019. PMID: 30878278
141. Wyles CC, Maldonado AA, **Wagner ER**, Houdek MT, Lachman N, Spinner RJ. Proposed Surgical Technique to Facilitate Targeted Reinnervation of the Infrapinatus; a cadaveric feasibility study. *Clinical Anatomy*. 2019 PMID 30362668
142. **Wagner ER**, Gottschalk MB. Tendinopathies of the Forearm, Wrist and Hand. *Clinics in Plastic Surgery*. 2019. PMID: 31103076
143. Aizpuru BA, Farley KX, Gallo LK, **Wagner ER**, Jordan WD, Benarroch-Gampel J, Crawford RS. Economic Burden and Clinical Impact of Opioid Dependence in Patients Undergoing Lower Extremity Bypass Surgery: Quantifying the Cost of a New Epidemic. *Journal of Vascular Surgery*. 2019. PMID: 31495675
144. Woodmass JW, **Wagner ER**, Borque K, Chang MJ, Welp KM, Warner JP. Superior Capsule Reconstruction using Dermal Allograft: Early Outcomes and Survival. *Journal of Shoulder and Elbow Surgery*. 2019. PMID: 31196503
145. Houdek MT, **Wagner ER**, Tibbo M, Claxton M, Bakri K, Moran SL. Utility of Free Vascularized Fibular Grafts to Treat Radiation Associated Non-Unions in the Upper Extremity. *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 2019
146. Mangold D, **Wagner ER**, Cofield RC, Sperling JW, Sanchez-Sotelo J. Reverse Shoulder Arthroplasty for Rheumatoid Arthritis Since the Introduction of Disease Modifying Drugs. *International Orthopedics*. 2019. PMID: 31350580

147. Farley K, Azipuru M, Boden S, Gottschalk MB, **Wagner ER**, Daly C. Avocado-Related Knife Injuries: Describing an Epidemic of Hand Injury. *American Journal of Emergency Medicine*. 2019. PMID: 31303536
148. Holzgrefe R, Singer AD, **Wagner ER**, Daly C. Imaging of the Peripheral Nerve: Concepts and Future Direction of Magnetic Resonance Neurography and Ultrasound. *Journal of Hand Surgery*. 2019. PMID: 31585745
149. **Wagner ER**, Robinson WA, Houdek MT, Moran SL, Rizzo M. Proximal Interphalangeal Joint Arthroplasty in Young Patients. *Journal of American Association of Orthopaedic Surgery*. 2019. PMID: 31170098
150. Aizpuru BA, Farley KX, Rojas JC, Crawford RS, Moore Jr, TJ, **Wagner ER**. Motorized scooter injuries in the era of scooter-shares: A review of the national electronic surveillance system. *American Journal of Emergency Medicine*. 2019. PMID: 30952603
151. Claxton MR, Houdek MT, Tibbo ME, **Wagner ER**, Bakri K, Moran SL. Utility of Free Vascularized Fibular Flaps to Treat Radiation Associated Nonunions of the Upper Extremity. *Journal of Plastic Reconstructive Aesthetic Surgery*. 2019. PMID: 31862267
152. Boileau P, Gauci M, **Wagner ER**, Clowez G, Chaoui J, Chelli M, Walch G. The RSA angle ("Reverse Shoulder Angle"): A Novel Measurement of Glenoid Inclination for Reverse Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2019. PMID: 30935825
153. Leafblad N, **Wagner ER**, Anderson G, Visscher S, Kremers HM, Larson D, Rizzo M. Outcomes and Costs of Needle Aponeurotomy, Collagenase Injection, and Fasciectomy in the Treatment of Dupuytren's Contracture. *Journal of Hand Surgery*. 2019. PMID: 31537401
154. **Wagner ER**, Elhassan BT. Tendon Transfers for Rotator Cuff Pathologies. *Current Orthopaedic Practice*. 2019;30:192-9. <https://doi.org/10.1097/BCO.0000000000000757>
155. Gottschalk MB, **Wagner ER**. Posterior Recurrent Shoulder Instability: What we do and do not know about glenoid morphology, bone loss, and retroversion. *Arthroscopy*. 2019. PMID: 31604494
156. Wilson JM, Farley KX, Aizpuru M, **Wagner ER**, Bradbury T, Guild G. The Impact of Pre-operative Opioid Use Disorder on Complications and Costs Following Primary Total Hip and Knee Arthroplasty. *Surgical Advances in Orthopaedics*. 2019. PMID: 31929911
157. Woodmass JM, **Wagner ER**, Solberg MJ, Hunt TJ, Higgins LD. Latarjet for the Treatment of Anterior Shoulder Instability. *Journal of Bone and Joint Surgery Essentials Techniques*. 2019. PMID 32021733
158. Singer AD, Rosenthal J, Umpierrez M, Guo Y, Gonzalez F, **Wagner ER**. A Comparison of Saline and Gadolinium Shoulder MR Arthrography to Arthroscopy. *Skeletal Radiology*. 2020. PMID: 31773187

159. Rosenthal J, Umpierrez M, Guo Y, Gonzalez F, **Wagner ER**, Singer AD. A comprehensive review of the normal, abnormal, and post-operative MRI appearance of the proximal biceps brachii. *Skeletal Radiology*. 2020. PMID 32219466
160. Campbell CC, Neustein TM, Daly CA, **Wagner ER**. Surgical Treatment of Wrist Arthritis in Young Patients. *Journal of Bone and Joint Surgery Reviews*. 2020. PMID 32149931
161. Tagliero AJ, Bukowski BR, Rose PS, Morrey ME, Elhassan BT, Barlow JD, **Wagner ER**, Sanchez-Sotelo J, Houdek MT. High incidence of complications associated with shoulder girdle reconstruction utilizing a Stryker proximal humerus cap endoprosthesis following Tikhoff-Linberg resections. *International Orthopaedics*. 2020. PMID 32367233
162. **Wagner ER**, Woodmass JM, Chang MJ, Welp KM, Higgins LD, Warner JJP. The Impact of Workman's Compensation on Recovery After Biceps Tenodesis. *Journal of Shoulder and Elbow Surgery*. 2020. PMID 32359714
163. Claxton MR, **Wagner ER**, Rizzo M. Long-term Outcomes of MCP Surface Replacement Arthroplasty for Rheumatoid Arthritis. *HAND*. 2020. PMID 32486855
164. **Wagner ER**, Barras LA, Fort MW, Robinson W, Rizzo M. Results of Proximal Interphalangeal Arthroplasty: Border Digits Versus Middle Digits. *Journal of Hand Surgery; European*. 2020. PMID 32475206
165. Schwartz A, Farley K, **Wagner ER**, Gottschalk MB. Complications and Mortality in Patients with Chronic Kidney Disease Undergoing Total Shoulder Arthroplasty. *Seminars in Arthroplasty: JSES*. 2020.
166. Wellings EP, **Wagner ER**, Wilke BK, Asantee D, Sangaralingham LR, Rose PS, Moran SL, Houdek MT. What are the Predictors of Emergency Department Utilization and Readmission following Extremity Bone Sarcoma Resection. *Journal of Surgical Oncology*. 2020. PMID: 32794224
167. Nguyen ML, Rosenthal J, Karas S, Gottschalk MB, Daly CA, **Wagner ER**, Singer A. A Comprehensive Review of the Normal, Abnormal, and Post-Operative MRI Appearance of the Distal Biceps Brachii. *Skeletal Radiology*. 2020. PMID 32556950.
168. Schwartz AM, Farley KX, Boden SH, Daly CA, Gottschalk MB, **Wagner ER**. Response to Letter Re: "Defining the Volume-Outcome Relationship in Reverse Shoulder Arthroplasty." *Journal of Bone and Joint Surgery*. 2020. PMID 31977820
169. Woodmass JM, **Wagner ER**, Chang JC, Welp KM, Higgins LD, Warner JP. Arthroscopic Lower Trapezius Tendon Transfer Provides Equivalent Outcomes to Latissimus Dorsi Transfer in the Treatment of Massive Posterosuperior Rotator Cuff Tears. *Journal of ISAKOS*. 2020
170. Elhassan BT, **Wagner ER**, Kany J. Latissimus Dorsi Transfer for Irreparable Subscapularis Tear. *Journal of Shoulder and Elbow Surgery*. 2020. PMID. 32573448

171. Elhassan BT, Sanchez-Sotelo J, **Wagner ER**. Arthroscopically-Assisted Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tears. *Journal of Shoulder and Elbow Surgery*. 2020. PMID 32573447
172. Farley K, Wilson J, Karas S, Xerogeanes J, Gottschalk MB, **Wagner ER**. Preoperative Opioid Use Is a Risk Factor for Revision Surgery, Complications, and Increased Resource Utilization After Arthroscopic Rotator Cuff Repair. *American Journal of Sports Medicine*. 2020. PMID 33030963
173. **Wagner ER**, Elhassan BT. Surgical Management of Massive Irreparable Posterosuperior Rotator Cuff Tears: Arthroscopic-Assisted Lower Trapezius Transfer. *Current Reviews in Musculoskeletal Medicine*. 2020 PMID 32661919
174. Farley KX, Schwartz AM, Boden SH, Daly CA, Gottschalk MB, **Wagner ER**. Defining the Volume-Outcome Relationship in Reverse Shoulder Arthroplasty: A Nationwide Analysis. *Journal of Bone and Joint Surgery*. 2020. PMID: 31977820
175. **Wagner ER**, Martinez AR, Chang MJ, Hunt T, Welp KM, Woodmass JM, Higgins L, Chen N. Neuropraxia and Early Complications after Reverse Shoulder Arthroplasty with Glenoid Bone Grafting. *Journal of Shoulder and Elbow Surgery*. 2020. PMID: 32838952
176. Schwartz A, Farley KX, Boden S, Wilson J, Daly C, Gottschalk MB, **Wagner ER**. The Use of Tobacco is a Modifiable Risk Factor for Poor Outcomes and Readmissions after Shoulder Arthroplasty. *Bone and Joint Journal*. 2020. PMID: 32921147
177. **Wagner ER**, Chang MJ, Solberg M, Welp KM, Hunt T, Woodmass JM, Higgins LD, Warner JJ. Capsular Release Following Total Shoulder Arthroplasty; an analysis of early outcomes. *European Journal of Orthopaedic Surgery and Traumatology*. 2020.
178. Wilson J, Farley K, Daly C, Gottschalk MB, **Wagner ER**. Preoperative Opioid Use Is an Independent Risk Factor for Complication, Revision, and Increased Healthcare Utilization Following Primary Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2020. PMID: 32853788
179. Farley KX, Aizpuru M, Wilson JM, Xerogeanes J, Daly CA, Gottschalk MB, **Wagner ER**. Estimated Incidence of Electric Scooter Injuries Over Time, 2014-2019. *Journal of the American Medical Association (JAMA)*. 2020. PMID: 32865571
180. **Wagner ER**, Werthel JD, Wilson J. Recent Advances and Future Innovations in Shoulder Arthroplasty: A Review of the Current Literature. *Seminars in Arthroplasty: Journal of Shoulder and Elbow Surgery*. 2020.
181. Billig JI, Kotsis SV, Chung KC, **Wagner ER**, M-CHIQS Collaborators, Opioid Prescribing after Carpal Tunnel Release: Analysis from the Michigan Collaborative Hand Initiative for Quality in Surgery. *Plastic and Reconstructive Surgery*. 2020.

182. Dawes AM, Spencer CC, Guisse N, Farley KX, Daly CA, **Wagner ER**, Gottschalk MB. A comparison of liposomal bupivacaine to standard ropivacaine used in interscalene blocks for patients undergoing total shoulder arthroplasty. *Journal of Shoulder and Elbow Surgery: Seminars in Arthroplasty*. 2020.
183. Houdek MT, Bukowski BR, Athey AG, Elhassan BT, Barlow JD, Morrey ME, Rose PS, **Wagner ER**, Sanchez-Sotelo J. Comparison of reconstruction techniques following oncologic intraarticular resection of the proximal humerus? *Journal of Surgical Oncology*. 2021. MSTS Award 2019 Paper. PMID 33095924
184. Haller JM, Rothberg DL, **Wagner ER**, Higgins TF, Marchand LS. Young Intertrochanteric Femur Fractures are Associated with Fewer Complications than Young Femoral Neck Fractures. *Journal of Orthopaedic Trauma*.. 2021. PMID 33165209
185. **Wagner ER**, Farley KX, Higgins L, Wilson JM, Daly CA, Gottschalk MB. The Incidence of Shoulder Arthroplasty: rise and future projections compared with hip and knee arthroplasty. *Journal of Shoulder and Elbow Surgery (JSES)*. 2021. PMID 33190759.
186. **Wagner ER**, Barras LA, Harstad C, Elhassan MT, Moran SL. Proximal Row Carpectomy in Young Patients: Surgical Technique. *Journal of Bone and Joint Surgery: Essential Techniques*. 2021. PMID 34123554
187. Braig. ZV, Tagliero AJ, Rose PS, Elhassan BT, Barlow JD, **Wagner ER**, Sanchez-Sotelo J, Houdek MT. Humeral stress shielding following cemented endoprosthetic reconstruction: An under-reported complication? *Journal of Surgical Oncology*. 2021. PMID 33259663
188. Lunati M, Wilson JM, Farley KX, Gottschalk MB, **Wagner ER**. Preoperative Depression is a Risk Factor for Complication and Increased Health Care Utilization Following Total Shoulder Arthroplasty. *Journal of Shoulder and Elbow Surgery*. 2021. PMID 33317706
189. Camenzind RS, Becerra JM, Gossing L, Serane-Fresne J, **Wagner ER**, Lafosse L. Acceptable Long-Term Outcomes of Arthroscopic Bone Grafting for Recurrent Posterior Shoulder Instability: Minimum Follow-up 5 Years. *Arthroscopy*. 2021. PMID 33385491
190. Schaeffer C, McMahon H, **Wagner ER**, DeGeorge BR. Outcomes and Complications of Tendon Transfers to Address Pinch and Grasp Weakness: A Systematic Review of the Operative Management of Ulnar Nerve Paralysis. *Plastic and Reconstructive Surgery (PRS)*. 2021. PMID 34014861
191. Wilson JM, Holzgrefe RE, Staley CA, Karas S, Gottschalk MB, **Wagner ER**. The Effect of Operative Time on Early Postoperative Complications in Total Shoulder Arthroplasty: An Analysis of the ACS-NSQIP Database. *Shoulder and Elbow*. 2021. PMID 33717221
192. **Wagner ER**, Dawes A, Spencer C, Gottschalk MB, Daly CA. Management of Proximal Pole Scaphoid Nonunions: A Critical Analysis Review. *Journal of Bone and Joint Surgery: Reviews*, 2021. PMID 33819205

193. DeFazio M, Ozkan S, Warner JJ, **Wagner ER**, Chen N. Isolated Type II SLAP Tears Undergo Reoperation More Frequently with Knotless Anchors. *Knee Surgery, Sports Traumatology, Arthroscopy*. 2020.
194. Farley KX, Fakunle OP, Spencer CC, Gottschalk MB, **Wagner ER**. The Association of Preoperative Opioid Use with Revision Surgery and Complications Following Carpometacarpal Arthroplasty. *Journal of Hand Surgery (JHS)*. 2021. PMID 33875281
195. **Wagner ER**, Fort M, Barras L, Rizzo M. Outcomes of Revision Total Wrist Arthroplasty. *Journal of American Academy of Orthopaedic Surgery (JAAOS) GRR*. 2021. PMID 33730000
196. Xiao AX, Graf AR, Dawes AM, Daly C, **Wagner ER**, Gottschalk MB. Management of acute distal radioulnar joint instability following a distal radius fracture: a systematic review and meta-analysis. *Journal of Hand Surgery Global Online (JHS GO)*. 2021
197. Farley KX, Wilson JM, Dawes A, Spencer C, Gottschalk MB, **Wagner ER**. Prevalence of Shoulder Arthroplasty in the United States and the Increasing Burden of Revision Shoulder Arthroplasty. *Journal of Bone and Joint Surgery (JBJS) OA*. 2021. PMID 34278185
198. Spencer C, Pfederer JA, Wilson JM, Dawes AM, Hurt JT, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who Requires Refills and for How Long? *Journal of Shoulder and Elbow Surgery (JSES) International*. 2021. PMID 34136838
199. Broida S, Sweeney A, Gottschalk MB, **Wagner ER**. Management of Shoulder Instability in Hypermobility Type Ehlers-Danlos Syndrome. *Journal of Shoulder and Elbow Surgery (JSES) Reviews, Reports, and Techniques*. 2021.
200. Houdek MT, Stuart MB, Wellings EP, **Wagner ER**, Asante D, Sangaralingham LR, Rose PS, Moran SL. Socioeconomic factors associated with limb salvage versus amputation for adult extremity bone sarcomas in patients with insurance coverage. *Surgical Oncology*, 2021. PMID 34571448
201. Fakunle O, Farley KX, DeMaio EL, Gottschalk MB, **Wagner ER**, Daly CA. When is it Safe to Operate after Therapeutic Carpal Tunnel Injection? *Hand*. 2021. PMID 34105384
202. **Wagner ER**, Chang M, Welp K, Woodmass JM, Warner JP. Needle Diagnostic Arthroscopy and Magnetic Resonance Imaging of the Shoulder Have Comparable Accuracy to Surgical Arthroscopy: A Prospective Clinical Trial. *Arthroscopy: The Journal of Arthroscopic and Related Surgery*. 2021. PMID 33798653
203. Broida S, Sweeney A, Gottschalk MB, Woodmass JM, **Wagner ER**. Clinical Outcomes of Latissimus Dorsi Tendon Transfer and Superior Capsular Reconstruction for Irreparable Rotator Cuff Tears: A Systematic Review. *European Journal of Orthopaedic Surgery and Traumatology*. 2021. PMID 34370112
204. Sommer M, **Wagner ER**, Zhu S, McRae S, McDonald P, Ogborn D, Woodmass J.

- Complications of Superior Capsule Reconstruction for the treatment of Functionally Irreparable Rotator Cuff Tears (FIRCT): A Systematic Review. *Arthroscopy*. 2021. PMID 33887411
205. Greenfield PT, Manz WJ, DeMaio EL, Duddleston SH, Xerogeanes JW, Scott Maughon T, Spencer CC, Dawes A, Boden SD, Hammond KE, **Wagner ER**, Gottschalk MB, Daly CA, Pombo MW. Telehealth can be Implemented Across a Musculoskeletal Service Line without Compromising Patient Satisfaction. *HSS Journal*. 2021. PMID 33967640
206. Gottschalk MB, **Wagner ER**. Kirschner Wire Fixation of Distal Radius Fractures, Indication, Technique, and Outcomes. *Hand Clinics*. 2021. PMID 33892878
207. Billing JL, Kotsis SV, Chung KC, **Wagner ER**, Michigan Collaborative Initiative for Quality in Surgery Collaborators. Variation in Use of Electrodiagnostic Testing: Analysis From the Michigan Collaborative Hand Initiative for Quality in Surgery. *Journal of Hand Surgery (JHS)*. 2021. PMID 33423853
208. **Wagner ER**, Srnec J, Rizzo M. Outcomes of Revision Total Wrist Arthroplasty. *Journal of American Academy of Orthopaedic Surgeons (JAAOS) GR*. 2021. PMID 33730000
209. Heifner J, **Wagner ER**. Reverse Shoulder Arthroplasty Used for Revision of Reverse Shoulder Arthroplasty: A Systematic Review. *Journal of Shoulder and Elbow Surgery (JSES) Reviews, Reports and Techniques*. 2021.
210. Greenfield P, Spencer C, Dawes A, Gottschalk MB, **Wagner ER**, Daly C. The Preoperative Cost of Carpal Tunnel Syndrome. *Journal of Hand Surgery (JHS)*, 2021. PMID 34509312
211. Jamnik A, Xiao A, Chacon J, **Wagner ER**, Gottschalk MB. The Effect Immobilization Mechanisms have on Radiographic Outcomes and Complication Rates in the Conservative Treatment of Distal Radius Fractures: A Systematic Review. *Hand*. 2021.
212. Billing JL, Kotsis SV, Chung KC, **Wagner ER**, Michigan Collaborative Initiative for Quality in Surgery Collaborators. Opioid Prescribing after Carpal Tunnel Release: Analysis from the Michigan Collaborative Hand Initiative for Quality in Surgery. *Plastics and Reconstructive Surgery (PRS)*. 2021. PMID 34705779
213. Heifner J, Kumar A, **Wagner ER**. Glenohumeral osteoarthritis with intact rotator cuff treated with reverse shoulder arthroplasty: a systematic review. *Journal of Shoulder and Elbow Surgery (JSES)*. 2021. PMID 34293419
214. Houdek MT, **Wagner ER**, Rose PS, Barlow JD, Elhassan BT, Sanchez-Sotelo J. Allograft Prosthetic Composite Using a Reverse Total Shoulder Arthroplasty for Failed Oncologic Proximal Humerus Reconstruction. *Journal of Surgical Oncology*. 2022. PMID 34913481
215. Cummings PE, Claxton MR, **Wagner ER**, Rizzo M. Outcomes of Pyrocarbon in Metacarpophalangeal Joints Affected by Inflammatory Arthritis. *HAND*. 2022. PMID

35043719

216. Jamnik AA, Pirkle S, Chacon J, Xiao AX, **Wagner ER**, Gottschalk MB. The Effect of Immobilization Position on Functional Outcomes and Complications Associated with the Conservative Treatment of Distal Radius Fractures: A Systematic Review. *Journal of Hand Surgery GO*, 2022. PMID: 35415593
217. Xiao AX, Graf AR, Dawes A, Daley C, **Wagner ER**, Gottschalk MB. Management of Acute Distal Radioulnar Joint Instability Following a Distal Radius Fracture: A Systematic Review and Meta-Analysis. *Journal of Hand Surgery GO*, 2022. PMID: 35415552
218. Jamnik AA, Chacon J, Xiao AX, Wagner ER, Gottschalk MB. The Effect Immobilization Mechanisms Have On Radiographic Outcomes and Complication Rates in the Conservative Treatment on Distal Radius Fractures: A Systematic Review. *Hand*. 2022. PMID: 35373590
219. Toston RJ, Graf AR, Dawes AM, Farley KX, Hurt JT, Karzon A, Ojemakinde AA, Gottschalk MB, **Wagner ER**. Upper extremity firearm injuries: epidemiology and factors predicting hospital admission. *European Journal of Orthopaedic Surgery and Traumatology (EJOST)*. 2023. PMID: 35486233
220. Haeni D, Martinez-Catalan N, Esper RN, **Wagner ER**, El Hassan BT, Sanchez-Sotelo J. Arthroscopic Release of the Pectoralis Minor Tendon From the Coracoid for Pectoralis Minor Syndrome. *Journal of Experimental Orthopaedics*, 2022. PMID 35713735
221. Farley KX, Dawes AM, Wilson JM, Toston RJ, Hurt JT, Gottschalk MB, Navarro RA, **Wagner ER**. Racial Disparities in the Utilization of Shoulder Arthroplasty in the United States: Trends from 2011 to 2017. *Journal of Bone and Joint Surgery (JBJS)*, 2022. PMID 35673617
222. Woodmass JM, **Wagner ER**, Smith J, Welp KM, Chang MJ, Morissette MP, Higgins LD, Warner JJP. Postoperative Recovery Comparisons of Arthroscopic Bankart to Open Latarjet for the Treatment of Anterior Glenohumeral Instability. *European Journal of Orthopaedic Surgery and Traumatology (EJOST)*, 2023. PMID 35665856
223. Gottschalk MB, Dawes A, Toston R, Hurt J, **Wagner ER**. A Prospective Randomized Controlled Trial of Methylprednisolone for Postoperative Pain Management for Surgically Treated Distal Radius Fractures. *Journal of Hand Surgery (JHS)*, 2022. PMID 36058564
224. Ahmed A, Graf A, Karzon A, Graulich B, Egger AC, Taub SM, Gottschalk MB, Bowers R, **Wagner ER**. Pectoralis Minor Syndrome – Review of Pathoanatomy, Diagnosis, and Management of the Primary Cause of Neurogenic Thoracic Outlet Syndrome. *Journal of Shoulder and Elbow Surgery RRT*, 2022.
225. Woodmass JM, Welp K, Chang M, Morissette M, **Wagner ER**, Wanrer JJP. Partial rotator cuff repair provides improved patient reported outcome measures following superior capsule reconstruction (SCR). *Arthroscopy, Sports Medicine, Rehabilitation (ASMAR)*, 2022. PMID

36033178

226. **Wagner ER**, Graf A. Arthroscopic Interventions for Kienbock's Disease. *Hand Clinics*, 2022. PMID 36244713
227. Claxton MR, **Wagner ER**, Rizzo M. Outcomes of Surface Replacement Arthroplasty in Metacarpophalangeal Joints Affected by Noninflammatory Arthritis. *HAND*. 2023. PMID 34330177
228. Ahmed AA, LaFosse T, Graf A, Karzon A, Gottschalk MB, **Wagner ER**. Modern Treatment of Neurogenic Thoracic Outlet Syndrome – Pathoanatomy, Diagnosis, and Arthroscopic Surgical Technique. *Journal of Hand Surgery GO*, 2023. PMID 37521545
229. Claxton MR, Rode MM, **Wagner ER**, Moran SL, Rizzo M. Metacarpophalangeal joint pyrocarbon arthroplasty for osteoarthritis: an analysis of 44 consecutive arthroplasties. *Journal of Hand Surgery*, 2022. PMID 36243595
230. **Wagner ER**, Woodmass JM, Welp K, Chang M, Morisette M, Warner JJP. Early Postoperative Recovery Comparisons of Superior Capsule Reconstruction to Tendon Transfers. *Journal of Shoulder and Elbow Surgery*. 2023. PMID 36115613
231. Khan AZ, Best MJ, Fedorka CJ, Belniak RM, Haas DA, Zhang X, Armstrong AD, Jawa A, O'Donnell EA, Simon JE, **Wagner ER**, Malik M, Gottschalk MB, Updegrove GF, Makhni EC, Warner JJP, Srikumaran U, Abboud JA, Avant-Garde Health and Codman Shoulder Society Value Based Care Group. Impact of COVID-19 pandemic on shoulder arthroplasty: surgical trends and postoperative care pathway analysis. *Journal of Shoulder and Elbow Surgery*. 2022. PMID 36075547.
232. Hurt J, Graf A, Toston R, Gottschalk MB, **Wagner ER**. Winter Sport Musculoskeletal Injuries: epidemiology and factors predicting hospital admission. *European Journal of Orthopaedic Surgery and Traumatology (EJOST)*. 2023. PMID 35943590
233. **Wagner ER**, Gottschalk MB, Karzon AL, Graf AR, O'Shaughnessy MA, Suh N. Dupuytren Disease: Surgical Tips, Optimizing Outcomes, and Cost Considerations. *Instr Course Lect*. 2023;72:567-576. PMID: 36534880.
234. McGinley B, Siracuse BL, Gottschalk MB, **Wagner ER**. Treatment of First Carpometacarpal Osteoarthritis with Arthroscopy: A Systematic Review. *Journal of Wrist Surgery*, 2023. PMID 36504539
235. Dawes A, Farley K, Godfrey W, Karzon A, Gottschalk MB, **Wagner ER**. Medicaid Payer Status is Associated with Increased 90-day morbidity and resource Utilization following Primary Shoulder Arthroplasty: a propensity score-matched analysis. *Journal of Shoulder and Elbow Surgery*. 2023. PMID 35977669
236. Cummings PE, Claxton MR, **Wagner ER**, Rizzo M. Outcomes of Pyrocarbon Arthroplasty

- in Metacarpophalangeal Joints Affected by Rheumatoid Arthritis. *Hand*. 2023. PMID 35043719
237. Graf A, Ahmed A, Thompson D, **Wagner ER**, Gottschalk MB, Suh N, Seiler JG. Intramedullary Metacarpal Fracture Fixation: A Biomechanical Study of Screw Diameter and Comparison with Intramedullary Wire Stabilization. *Journal of Hand Surgery*. 2023. PMID 36914453
238. Best MJ, Fedorka CJ, Belniak RM, Haas DA, Zhang X, Armstrong AD, Abboud JA, Jawa A, O'Donnell EA, Simon JE, **Wagner ER**, Malik M, Gottschalk MB, Khan AZ, Updegrave GF, Makhni EC, Warner JJP, Srikumaran U; Avant-garde Health and Codman Shoulder Society Value Based Care Group. The Impact of COVID-19 Pandemic of Racial Disparities in Patients Undergoing Total Shoulder Arthroplasty in the United States. *Journal of Shoulder and Elbow International*. 2023. PMID 36405932
239. Ahmed A, Gabig A, Dawes A, Gottschalk MB, Lamplot JD, **Wagner ER**. Trends and Projections in Surgical Stabilization of Glenohumeral Instability in the United States from 2009 to 2030: Rise of the Latarjet and Fall of the Open Bankart. *Journal of Shoulder and Elbow Surgery*. 2023. PMID 37044304
240. **Wagner ER**, Gottschalk MB, Ahmed A, Graf A, Karzon A. Novel Diagnostic and Treatment Techniques for Neurogenic Thoracic Outlet Syndrome. *Techniques in Hand and Upper Extremity Surgery*. 2023. PMID 36515356
241. Runge W, Gabig AM, Karzon A, Suh N, **Wagner ER**, Gottschalk MB. Prolonged Opioid Use Following Distal Radius Fracture Fixation: Who Is at Risk and What are the Consequences? *Journal of Hand Surgery GO*, 2023. PMID 37323974
242. Best MJ, Fedorka CJ, Haas DA, Zhang X, Khan AZ, Armstrong AD, Abboud JA, Jawa A, O'Donnell EA, Belniak RM, Simon JE, **Wagner ER**, Malik M, Gottschalk MB, Updegrave GF, Warner JJP, Srikumaran U. Avant-garde Health and Codman Shoulder Society Value Based Care Group. Higher Surgeon Volume is Associated with a Lower Rate of Subsequent Revision Procedures after Total Shoulder Arthroplasty: A National Analysis. *Clinical Orthopaedics and Related Research*. 2023. PMID 36853863
243. Collins D, Rehak D, Dawes A, Collins DP, Daly CA, **Wagner ER**, Gottschalk MB. Cubital Tunnel Syndrome: Does a Consensus Exist for the Diagnosis? *Journal of Hand Surgery (JHS)*, 2023. PMID 37422755
244. Stern E, Karzon A, Hussain Z, Khawaja S, Cooke H, Pirckle S, Bowers R, Gottschalk MB, **Wagner ER**. Arthroscopic Pectoralis Minor Release after Reverse Shoulder Arthroplasty: A Novel Consideration for Post-Arthroplasty Pain. *Journal of Bone and Joint Surgery (JBJS) Case Connector*. 2023. PMID 37146169
245. Cooke HL, Schaeffer CV, Gabig A, Karzon A, Savani U, Gottschalk MB, **Wagner ER**. Total Wrist Arthroplasty as a Motion-Sparing Option for Distal Radius Malunion in a Patient of

- Advanced Age: A Case Report. 2023. PMID 37590422
246. Hussain Z, Khawaja S, Karzon A, Ahmed A, Gottschalk MB, **Wagner ER**. Digital Dynamic Radiography - A novel diagnostic technique for posterior shoulder instability: A case report. *Journal of Shoulder and Elbow Surgery (JSES) International*. 2023. PMID 37426924
247. Xiao A, Karzon A, Hussain Z, Khawaja S, McGinley B, Ahmed A, Gottschalk MG, **Wagner ER**. Variation in scapulohumeral rhythm on dynamic radiography in pathologic shoulders: a novel diagnostic tool. *Journal of Shoulder and Elbow Surgery (JSES)*. 2023. PMID 36731626
248. Broggi MS, Runge W, Jurt J, Dawes A, Toston R, Ojemakinde A, Cooke H, Gottschalk MB, **Wagner ER**. Preoperative Depression Is Associated With Increased Complications Following Distal Radius Fracture Surgery. *Hand*. 2023. PMID 37942766
249. Broida S, Sullivan M, Barlow J, Morrey M, Scorianz M, **Wagner ER**, Sanchez-Sotelo J, Rose PS, Houdek MT. Oncological and functional outcomes after resection of malignant tumours of the scapula. *Bone and Joint Journal*. 2023. PMID 38035605
250. Graf A, Ahmed A, Thompson D, Gottschalk MB, **Wagner ER**, Suh N. Suture-Based Distal Radioulnar Joint Stabilization: A Biomechanical Evaluation in a Cadaveric Model. *Journal of Wrist Surgery*. 2024.
251. Karzon A, Nazzal E, Cooke H, Heo K, Okonma O, Worden J, Hussain Z, Chung KC, Gottschalk MB, **Wagner ER**. Upper Extremity Fractures in the Emergency Department: A Database Analysis of National Trends in the United States. *Hand*. 2024. PMID 38264985
252. Kopriva J, Karzon A, Cooke HL, Suh N, Gottschalk MB, **Wagner ER**. A Changing Landscape in the Surgical Management of Wrist Arthritis: An Analysis of National Trends From 2009 to 2019. *Journal of Hand Surgery America*. 2024. PMID 38085190
253. Kopriva J, McKissack H, Griswold BG, Hussain Z, Cooke H, Gottschalk MB, **Wagner ER**. Mixed-reality improves execution of templated glenoid component positioning in shoulder arthroplasty: a CT imaging analysis. *Journal of Shoulder and Elbow Surgery*. 2024. PMID 38320671
254. Worden J, Gobig A, Cooke H, Gottschalk MB, **Wagner ER**. The Top 100 Classical and Contemporary Papers on Elbow Surgery: A Trend Analysis of Elbow Surgery Literature. *Journal of American Academy of Orthopaedic Surgery GRR*. 2024. PMID 38421605
255. Kopriva J, Schwartz A, Wilson J, Shah J, Farley K, **Wagner ER**, Gottschalk MB. Tramadol use before total shoulder arthroplasty: patients have lower risk of complications and resource utilization than those using traditional opioids. *Journal of Shoulder and Elbow Surgery*. 2024. PMID 37659701
256. Avante-Garde Health and Codman Shoulder Society Value-Based Care Group; O'Donnell

- E, Best M, Simon J, Liu H, Zhang X, Armstrong A, Warner JJ, Khan A, Fedorka C, Gottschalk MB, Kirsch J, Costouros J, Fares M, Srikumaran U, **Wagner ER**, Jones P, Haas D, Abboud J. Trends and outcomes of outpatient total shoulder arthroplasty after its removal from CMS's inpatient-only list. *Journal of Shoulder and Elbow Surgery*. 2024. PMID 37625696
257. Khan A, Zhang X, Macarayan E, Best M, Fedorka C, Haas D, Armstrong A, Jawa A, O'Donnell E, Simon J, **Wagner ER**, Malik M, Gottschalk MB, Updegrove G, Warner JJ, Srikumaran U, Abboud J. Five-Year Mortality Rates Following Elective Shoulder Arthroplasty and Shoulder Arthroplasty for Fracture in Patients Over Age 65. *Journal of Bone and Joint Surgery OA*. 2024. PMID 38685966
258. Claxton M, Rode M, **Wagner ER**, Moran SL, Rizzo M. Metacarpophalangeal Joint Pyrocarbon Arthroplasty for Osteoarthritis: An Analysis of 44 Arthroplasties. *Journal of Hand Surgery*. 2024. PMID 36243595
259. **Wagner ER**, Hussain Z, Karzon A, Cooke H, Toston R, Hurt J, Dawes A, Gottschalk MB. Methylprednisolone taper is an effective addition to multimodal pain regimens after total shoulder arthroplasty: results of a randomized controlled trial: 2022 Neer Award winner. *Journal of Shoulder and Elbow Surgery*. 2024. PMID 38316236
260. Billig J, Kotsis S, Kong L, Wang L, Chung KC, Michigan Collaborative Hand Initiative for Quality in Surgery Group. Predictors and Variation in Steroid Injection Use for Carpal Tunnel Syndrome from a Multicenter Quality Collaborative. *Plastic Reconstructive Surgery*. 2024. PMID 37384880
261. Khawaja S, Kopriva J, Hussain Z, Cooke H, Gottschalk MB, **Wagner ER**. Serratus anterior palsy as a Masquerader: utilizing novel digital dynamic radiography for diagnosis and treatment response. *Journal of Shoulder Elbow Surgery International*. 2024. PMID 38707553
262. Cooke HL, Gabig AM, Karzon AL, Hussain ZB, Ojemakinde AA, **Wagner ER**, Gottschalk MB. The Surgical Treatment of Proximal Humerus Fractures 2010-2019: US National Case Volume and Incidence Trends. *JSES Reviews, Reports, and Techniques*, 2024. PMID 38706683
263. Avant-Garde Health and Codman Shoulder Society Value-Based Care Group.; Khan AZ, O'Donnell EA, Fedorka CJ, Kirsch JM, Simon JE, Zhang X, Liu HH, Abboud JA, **Wagner ER**, Best MJ, Armstrong AD, Warner JJP, Fares MY, Costouros JG, Woodmass J, da Silva Etges APB, Jones P, Haas DA, Gottschalk MB, Srikumaran U. A Preoperative Risk Assessment Tool for Predicting Adverse Outcomes among Total Shoulder Arthroplasty Patients. *Journal of Shoulder and Elbow Surgery*. 2024. PMID 38838843
264. Hussain Z, Xiao A, Khawaja S, McGinley B, Ahmed A, Karzon A, Gottschalk MB, **Wagner ER**. Quantitative changes in Scapulohumeral Rhythm in Adhesive Capsulitis – a Matched, Controlled Study using Dynamic Digital Radiography. *Shoulder and Elbow*. 2024.
265. Hussain ZB, Khawaja SR, Kopriva JM, McKissack HM, Roundy R, Karzon AL, Ujjawal S,

Cooke HL, Gottschalk MB, **Wagner ER**. Structural Bone Grafting with Reverse Shoulder Arthroplasty for Osteoarthritis with Severe Glenoid Bone Loss: Outcomes using a long post. *Journal of Shoulder and Elbow Surgery*. 2024

Peer-reviewed Book Chapters

1. Luu HH, **Wagner ER**, Haydon RC, Reid RR, He TC. BMP Signaling and Bone Formation. *Bone Regeneration: Growth Factors, Augmentation Procedures and Tissue Engineering Applications*. ed Vincent Legard, Nova Science Publishers, pp 59-91. 2009.
2. **Wagner ER**, Elhassan BT. The Biomechanics of the Shoulder. *Biomechanics / Book 2"*, Intech Publishers. ISBN 978-953-307-969-1. 2011.
3. **Wagner ER**, Einhorn T, Kakar S. Chapter 5: Biologic and Biophysical Technologies for the Enhancement of Fracture Repair. *Rockwood and Green's Fractures in Adults, 8th Edition*. 2013.
4. **Wagner ER**, Bishop AT. Natural History of Scapholunate Injuries. *American Society for Surgery of the Hand (ASSH): Advances in Scapholunate Ligament Treatment*. 2013.
5. **Wagner ER**, Shin AY. Lunotriquetral Repair and Augmentation. *Upper Extremity Operative Techniques*. 2014
6. Schoch B, **Wagner ER**, Elhassan BT. Tendon Transfers for Massive Irreparable Rotator Cuff Tear. *Operative Techniques in Orthopaedics*. 2014. DOI: 10.1053/j.oto.2014.11.001
7. **Wagner ER**, Woodmass JW, Higgins LD. Outcomes and Complications of Distal Clavicle Excision and Acromioplasty. *Textbook of Sports Medicine*. 2018.
8. **Wagner ER**, DeGeorge B. Wrist Arthritis; Evaluation and Treatment. *American Society for Surgery of the Hand (ASSH) Textbook*. 2019.
9. **Wagner ER**, DeGeorge B. Distal Radioulnar Joint Arthritis; Evaluation and Treatment. *American Society for Surgery of the Hand (ASSH) Textbook*. 2019.
10. **Wagner ER**, Kakar S. Hand, Upper Extremity, and Microsurgery. *Miller's Review of Orthopaedic Surgery*. 2020.
11. **Wagner ER**, Schwartz A, Sperling JW. Techniques for Managing Glenoid Bone Loss in Failed Shoulder Arthroplasty. *Operative Techniques in Orthopaedic Surgery*. 2020.
12. **Wagner ER**, Daly CA, Elhassan BT. Tendon Transfer of the Upper Extremity. *Operative Brachial Plexus Surgery*. 2021.
13. **Wagner ER**, Graf A, Gottschalk MB. Elbow Arthritis: Degenerative and Rheumatoid. *ASSH Hand Surgery Update VII*
14. Gottschalk MB, **Wagner ER**. Thumb Fracture and Instability: Diagnosis and Considerations. *ASSH Hand Surgery Update VII*

15. **Wagner ER**, Gottschalk MB, Graf A, Karzon A, O'Shaughnessy M, Suh N. Dupuytren Disease: Diagnostic, Surgical and Cost Considerations. *Chapter 40 of AAOS Instructional Course Lectures: Hand and Wrist, 2022.*
16. **Wagner ER**, Kakar S, Gottschalk MD. Chapter 28: Carpal Instability. *Rockwood and Green's Fractures in Adults, 9th Edition. 2023.*
17. **Wagner ER**, Kakar S. Hand, Upper Extremity, and Microsurgery. *Miller's Review of Orthopaedic Surgery. 2023.*
18. **Wagner ER**, Chambers S. Novel Treatments of Lunotriquetral Instability. *Carpal Instability. 2023.*
19. **Wagner ER**, LaFosse T. Tendon Transfers in Shoulder Arthroplasty. *Operative Techniques in Orthopaedic Surgery. 2023.*
20. **Wagner ER**, Chambers S. Proximal Row Carpectomy. *Masters of Techniques in Orthopaedic Surgery. 2024.*
21. Houdek MT, **Wagner ER**. Advances in Oncologic Shoulder Girdle Resection and Reconstruction. *Musculoskeletal Oncology. 2024.*
22. **Wagner ER**, Suh N, Kakar S. Metacarpal and Phalanx Fractures and Dislocations. *Orthopaedic Trauma Association Textbook. 2025.*

Published Books

1. Dy CJ, Brogan DM, **Wagner ER**. Peripheral Nerve Issues after Orthopedic Surgery: A Multidisciplinary Approach to Prevention, Evaluation and Treatment. Elsevier 2022.

NATIONAL/INTERNATIONAL PRESENTATIONS/ABSTRACTS

1. **Wagner ER**, Su Y, Chen L, Haydon RC, He TC, and Luu HH. (2010) Examining the role of Insulin-Like Growth Factor Binding Protein 5 (IGFBP5) in Osteosarcoma. Podium Presentation at the 76th annual American Academy of Orthopaedic Surgeons (AAOS) Conference in New Orleans, March 11, 2010.
2. Hussain W, Manning D, **Wagner ER**. (2010) Evaluation of Multimodal Pain Management Options in Minimally Invasive TKA. Podium Presentation at the Orthopaedic Research Education Foundation (OREF) Conference, September 2010.

3. Angeline M, Spiguel A, **Wagner ER**, Rastegar F, Terry M, He TC, Haydon R. (2010) Evaluating the role of Biological Therapy in Rotator Cuff Repair. Podium Presentation at the Orthopaedic Research Education Foundation (OREF) Conference, September 2010.
4. **Wagner ER**, Luther G, Haydon R, Luu H, and He TC. (2011) Examining the Role of S100A6 in Osteosarcoma. The Orthopaedic Research Society (ORS) Annual Conference, January, 2011.
5. **Wagner ER**, Luther G, Haydon RC, He TC and Luu HH. (2011) Understanding the role of Insulin-like Growth Factor 5 (IGFBP5) in osteogenesis and osteosarcoma. The Orthopaedic Research Society (ORS) Annual Conference, January, 2011.
6. Elhassan BT, Pritsch T, **Wagner ER**. (2011) Radial Nerve Lacerations Associated with Humeral Fractures. Podium Presentation at the American Association for Hand Surgery (AAHS) Annual Conference in Cancun, Mexico, January, 2011.
7. **Wagner ER**, Luther A, Haydon RC, He TC and Luu HH. (2011) The mechanism underlying the inhibition of tumorigenesis of osteosarcoma by Insulin-like Growth Factor 5 (IGFBP5). Podium Presentation at the 77th Annual American Academy of Orthopaedic Surgeons (AAOS) Conference in San Diego, February 17, 2011.
8. Manning D, **Wagner ER**, Fleck E. (2011) Prospective Randomized Evaluation of Multimodal Pain Management in Minimally Invasive TKA. The 77th Annual American Academy of Orthopaedic Surgeons (AAOS) Conference in San Diego, February, 2011.
9. Luther G., **Wagner ER.**, Rames R., Lamplot J., Haydon R., He T.C., Luu H. *Functional characterization of IGFBP5 in the inhibition of osteosarcoma tumorigenicity.* American Academy of Orthopaedic Surgeons (AAOS) Annual Conference: Tumor Society Best Oral Presentation. Feb 2012.
10. Luther G., Rames R., **Wagner ER.**, Lamplot J., Haydon R., He T.C., Luu H. *Mechanism of osteosarcoma tumorigenesis by S100A4.* American Academy of Orthopaedic Surgeons (AAOS) Annual Conference. Feb 2012.
11. **Wagner ER**, Gray R, Kakar S. (2012) Analysis of Predynamic and Dynamic Proximal Carpal Row Injuries. Podium Presentation at the American Association of Hand Surgery (AAHS) in Las Vegas, January 13, 2012.
12. **Wagner ER**, Elhassan BT. (2012) Feasibility of contralateral trapezius transfer to restore shoulder external rotation. part 1. Podium Presentation at the American Association of Hand Surgery (AAHS) in Las Vegas, January 13, 2012.
13. **Wagner ER**, Gray R, Kakar S. (2012) Treatment of Proximal Carpal Row Injuries. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Palm Springs, FL, April 20, 2012.

14. **Wagner ER**, Elhassan BT. (2012) Analysis of contralateral trapezius transfer. Poster Presentation at the Mid America Orthopaedic Association Annual Meeting in Palm Springs, FL, April 18-22, 2012.
15. Fox T, **Wagner ER**, Berger R, Kakar S. (2012) Linked Distal Radioulnar Joint Arthroplasty: Short-term outcome of the APTIS prosthesis. Podium Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting in Chicago, IL, September 7, 2012.
16. Gray R, **Wagner ER**, Kakar S. (2012) Acute Injuries of the Proximal Carpal Row. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting in Chicago, IL, September 6-8, 2012.
17. **Wagner ER**, Elhassan BT. (2013) Natural Course of Brachial Plexus Injuries and Alteration of this Course through Tendon Transfers. Podium Presentation at American Association of Hand Surgery (AAHS) in Naples, FL, January 11, 2013.
18. **Wagner ER**, Elhassan BT. (2013). Outcomes of Modified Eden-Lange Tendon Transfer for Management of Symptomatic Trapezius Paralysis. Poster Presentation at American Academy of Orthopaedic Surgeons (AAOS) in Chicago, IL, March 20-23, 2013.
19. Lamplot J., Liu B., Luther G., Rames R., **Wagner ER.**, Leland M., Haydon R., Luu H., He T.C., Ho S. *Reversibly Immortalized articular chondrocytes retain chondrogenic phenotype*. Arthroscopy Association of North America (AANA) Annual Conference. Apr 2013.
20. **Wagner ER**, Chase S, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S. (2013). Novel Porous Polycaprolactone Fumarate (PCLF) Scaffold for Adipocyte Derived Mesenchymal Stem Cell Engineering and Platelet Lysate Enhanced Ligament Differentiation. Podium Presentation at the Society for Biomaterials Annual Meeting in Boston, MA, April 11, 2013.
21. **Wagner ER**, Bravo D, Chase S, Dadsetan M, Yaszemski MJ, Kakar S. (2013). Polycaprolactone Fumarate (PCLF) as a Backbone for Chondrocyte Attachment and Proliferation Augmented by Platelet Lysate (PL). Podium Presentation at the Society for Biomaterials Annual Meeting in Boston, MA, April 11, 2013.
22. **Wagner ER**, Sarfani S, Kakar S (2013). Soft Tissue Interposition Arthroplasty for Distal Radioulnar Instability. Podium Presentation at the ASSH 2013 Residents and Fellows Annual Meeting, San Francisco, CA, October 2, 2013.
23. **Wagner ER**, Elhassan BT. (2013). Pectoralis Major Transfer with its Bony Insertion to Stabilize Symptomatic Scapular Winging. Podium Presentation at the Residents and Fellows ASSH Annual Meeting in San Francisco, CA, October 2, 2013
24. **Wagner ER**, Elhassan BT. (2013). Brachial Plexus Injuries Treated with Contralateral Trapezius Transfer to Restore Shoulder Function. Podium Presentation at the ASSH 2013 Annual Meeting, San Francisco, CA, October 4, 2013.

25. **Wagner ER**, Chase S, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S. (2013). Novel Porous Polycaprolactone Fumarate (PCLF) Scaffold for Adipocyte Derived Mesenchymal Stem Cell Engineering and Platelet Lysate Enhanced Ligament and Tendon Differentiation. Podium Presentation at the 2013 ASSH Annual Meeting, San Francisco, CA, October 5, 2013.
26. **Wagner ER**, Bravo DB, Elhassan BT, Moran SL. (2013) Maximizing Long-term Outcomes in Proximal Row Carpectomy; a longitudinal study of 144 cases. Poster Presentation at the ASSH 2013 Annual Meeting, October 2-5, 2013.
27. **Wagner ER**, Elhassan BE, Kakar S (2013). Long-term Outcomes of Patients with Bilateral Total Wrist Arthrodesis. Poster Presentation at 2013 ASSH Annual Meeting, San Francisco, CA, October 2-5, 2013.
28. Bravo D, **Wagner ER**, Elhassan BT. (2013). Outcome of Treatment of Carpal Tunnel Syndrome Secondary to Atypical Flexor Tenosynovitis Infection. Poster Presentation at ASSH 2013 Annual Meeting, San Francisco, CA, October 2-5, 2013.
29. **Wagner ER**, Sarfani S, Kakar S (2013). Soft Tissue Interposition Arthroplasty for Distal Radioulnar Instability. Podcast Presentation at the ASSH 2013 Annual Meeting, San Francisco, CA, October 2-5, 2013.
30. **Wagner ER**, Kamath A, Harmsen WS, Fruth K, Berry DJ (2013). BMI as a Continuous Variable in Total Hip Arthroplasty Survival. Podium Presentation at the 2014 American Association for Hip and Knee Surgeons (AAHKS), Dallas, TX, November 10, 2013.
31. Watts C, **Wagner ER**, Houdek MT, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity: A Significant Risk Factor for Failure of Two-Stage Revision TKA for Infection. Poster Presentation at the 2014 American Association for Hip and Knee Surgeons (AAHKS), Dallas, TX, November 10, 2013.
32. Houdek MT, **Wagner ER**, Watts C, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity Increases the Risk for Implant Failure in Septic Revision Total Hip Arthroplasty. Poster Presentation at the 2014 American Association for Hip and Knee Surgeons (AAHKS), Dallas, TX, November 10, 2013.
33. **Wagner ER**, Van Demark R, Moran SL, Rizzo M (2014). Risks and Outcomes associated with 382 Consecutive Intraoperative Periprosthetic Fractures in PIP Arthroplasty. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12, 2014.
34. **Wagner ER**, Bravo D, Elhassan BT, Moran SL (2014). Proximal Row Carpectomy Considerations for Maximizing Long-term Outcomes; a longitudinal study of 144 cases. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12, 2014.

35. **Wagner ER**, Elhassan BT, Kakar S (2014). Bilateral Total Wrist Arthrodesis Improves Long-term Pain and Function. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12, 2014.
36. **Wagner ER**, Kamath A, Harmsen WS, Fruth K, Berry DJ (2014). Total Hip Arthroplasty Survival Stratified according to BMI. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12, 2014.
37. **Wagner ER**, Griffith T, Houdek MT, Cofield R, Sanchez-Sotelo J, Sperling J (2014). Outcomes of Glenoid Bone Grafting in Revision Total Shoulder Arthroplasty. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 13, 2014.
38. **Wagner ER**, Chase S, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S (2014). Novel Polymer Scaffold for MSC Engineering and Biologic Enhancement of Ligament and Tendon Differentiation. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 13, 2014.
39. **Wagner ER**, Houdek MT, Cofield R, Sanchez-Sotelo J, Sperling J (2014). Intraoperative Periprosthetic Fractures in Revision Reverse Shoulder Arthroplasty: 132 consecutive cases. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 14, 2014.
40. **Wagner ER**, Elhassan BT (2014). Pectoralis Major Transfer with its Bony Insertion Stabilizes Scapular Winging via Enhanced Bone-Bone Healing. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 14, 2014.
41. **Wagner ER**, Sarfani S, Kakar S (2014). Soft Tissue Interposition Arthroplasty for Distal Radioulnar Instability. Poster Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12-15, 2014.
42. Watts C, **Wagner ER**, Houdek MT, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity: A Significant Risk Factor for Failure of Two-Stage Revision TKA for Infection. Poster Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12-15, 2014.
43. Houdek MT, **Wagner ER**, Watts C, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity Increases the Risk for Implant Failure in Septic Revision Total Hip Arthroplasty. Poster Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12-15, 2014.
44. Born T, **Wagner ER**, Kakar S (2014). Comparison of open drainage vs closed catheter irrigation for treatment of purulent flexor tenosynovitis. Podium Presentation at the 2014 American Academy of Orthopaedic Surgery (AAOS), New Orleans, LA, March 12-15, 2014.

45. **Wagner ER**, Bravo DB, Elhassan BE, Moran SL. An Analysis of Capitate and Lunate Morphology to Predict Long-term Outcomes in Proximal Row Carpectomy. Podium Presentation at the 2014 Residents and Fellows Section of ASSH Annual Meeting, September 18, 2014.
46. **Wagner ER**, Luo H, Houdek MT, Moran SL, Rizzo M. An Outcome Analysis of 75 Consecutive Cases of Revision Proximal Interphalangeal Arthroplasty. Podium Presentation at the 2014 Residents and Fellows Section of ASSH Annual Meeting, September 18, 2014.
47. **Wagner ER**, Bravo DB, Dadsetan M, Van Wijnen A, Yaszemski MJ, Kakar S. Polycaprolactone Fumarate (PCLF) as a Backbone for Chondrocyte Attachment and Proliferation Augmented by Platelet Lysate. Podium Presentation at the 2014 Residents and Fellows Section of ASSH Annual Meeting, September 18, 2014.
48. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Revision Metacarpophalangeal Arthroplasty; a longitudinal study of 128 cases. Podium Presentation at the 2014 American Society of Surgery for the Hand (ASSH) Annual Meeting, September 18-21, 2014.
49. **Wagner ER**, Werthel JD, Mohammed H, Elhassan BT. Anatomy and Natural History of the Elbow Joint in Obstetric Brachial Plexus Injuries. Podium Presentation at the 2014 American Society of Surgery for the Hand (ASSH) Annual Meeting, September 18-21, 2014.
50. **Wagner ER**, Bishop AT, Shin AY. Venous Bridge Arterial Grafting for Thumb Replantation. Podium Presentation at the 2014 American Society of Surgery for the Hand (ASSH) Annual Meeting, September 18-21, 2014.
51. **Wagner ER**, Houdek MT, Rizzo M, Moran SL. Acute Metacarpophalangeal Joint Arthroplasty in the Setting of Trauma. Poster Presentation at the 2014 American Society of Surgery for the Hand (ASSH) Annual Meeting, September 18-21, 2014.
52. **Wagner ER**, Bishop AT, Elhassan BT. FDS Opponensplasty through Guyon's Canal. Poster Presentation at the 2014 American Society of Surgery for the Hand (ASSH) Annual Meeting, September 18-21, 2014.
53. Houdek MT, Wilke BK, **Wagner ER**, Wyles CC, Taunton MJ, Sim FH. Long Term Outcomes of Endoprosthetic Reconstruction for Periarticular Tumors Of The Knee. Podium Presentation at the 2014 Muscular Skeletal Tumor Society (MSTS) Meeting, Houston, TX, October 9-11, 2014
54. Houdek MT, Wilke BK, **Wagner ER**, Wyles CC, Taunton MJ, Sim FH. Late Complications And Long-Term Outcomes Following Revision of A Total Hip Arthroplasty Performed For Oncological Resection. Podium Presentation at the 2014 Muscular Skeletal Tumor Society (MSTS) Meeting, Houston, TX, October 9-11, 2014
55. Houdek MT, **Wagner ER**, Wyles CC, El Hassan B, Sperling JW, Sim FH, Sanchez-Sotelo J. Reverse Total Shoulder Allograft-Prosthetic Composite Reconstruction: A Viable Option For

- Limb Salvage Following Extirpation Of An Oncological Process Involving The Shoulder. Poster Presentation at the 2014 Muscular Skeletal Tumor Society (MSTS) Meeting, Houston, TX, October 9-11, 2014
56. Houdek MT, **Wagner ER**, Rose P, Stans A, Moran S. Long-term Outcomes of the Capanna Technique for Limb Salvage Surgery in Pediatric and Adolescent Patients. Poster Presentation at the 2014 Muscular Skeletal Tumor Society (MSTS) Meeting, Houston, TX, October 9-11, 2014
 57. Houdek MT, **Wagner ER**, Wooten CJ, Wyles CC, Martin JR, Cass JR, Trousdale RJ. All Polyethylene Tibial Components: a Survival and Infection Analysis Compared to Their Metal-backed Counterparts. Podium Presentation at the Close Knee Society Meeting, Charlotte, NC 2014
 58. Wyles CC, Houdek MT, **Wagner ER**, Wyles S, Sierra RJ. Differential Impact of Corticosteroids on Human Mesenchymal Stem Cells. Podium Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014
 59. Houdek MT, **Wagner ER**, Wooten CJ, Wyles CC, Martin JR, Cass JR, Trousdale RJ. All Polyethylene Tibial Components: a Survival and Infection Analysis Compared to Their Metal-backed Counterparts. Poster Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014
 60. Houdek MT, Watts C, **Wagner ER**, Shannon S, Abdel MP, Sems SA, Sierra RJ. Posttraumatic TKA Continue to Have Worse Outcome Than TKA Done for Degenerative Joint Disease. Poster Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014
 61. Houdek MT, Watts C, **Wagner ER**, Shannon S, Abdel MP, Sems SA, Sierra RJ. Prior Patella Fracture Has No Effect on Long-term Survivorship of Total Knee Arthroplasty. Poster Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014
 62. Houdek MT, Watts C, **Wagner ER**, Wyles CC, Lewallen DG, Mabry TM. Risk Factors for Late Failure of Revision THA for Aseptic Loosening: a Study of 4,713 Consecutive Revision Tha. Poster Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014
 63. Watts C, **Wagner ER**, Houdek MT, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity: A Significant Risk Factor for Failure Following Revision TKA for Aseptic Loosening. Podium Presentation at the American Academy of Hip and Knee Surgeons (AAHKS) Meeting, Dallas, TX November 6-9, 2014.
 64. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Revision Metacarpophalangeal Arthroplasty; 128 consecutive cases. Podium Presentation at the 2015 American Association of Hand Surgery (AAHS) Annual Meeting, January 21-24, 2015.

65. **Wagner ER**, Werthel JD, Mohammed H, Elhassan BT. Natural History of the Elbow Joint in Obstetric Brachial Plexus Injuries. Podium Presentation at the 2015 American Association of Hand Surgery (AAHS) Annual Meeting, January 21-24, 2015.
66. **Wagner ER**, Luo H, Houdek MT, Moran SL, Rizzo M. An Outcome Analysis of 75 Consecutive Cases of Revision Proximal Interphalangeal Arthroplasty. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
67. **Wagner ER**, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S. PCLF as a Backbone for Chondrocyte Attachment and Proliferation Augmented by Platelet Lysate. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
68. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Pyrocarbon in Proximal Interphalangeal Arthroplasty; a longitudinal analysis of 193 cases. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
69. **Wagner ER**, Schleck C, Harmsen WS, Berry DJ. Total Hip Arthroplasty Survival and Complications as a Function of Age. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
70. **Wagner ER**, Schleck C, Harmsen WS, Berry DJ. Quantifying Survival and Complications After Total Knee Arthroplasty as a Function of Body Mass Index. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
71. **Wagner ER**, Sarfani S, Cofield RH, Sperling JW, Sanchez-Sotelo J, Elhassan BT. Long-term Outcomes of Glenohumeral Arthrodesis. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
72. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Revision Metacarpophalangeal Arthroplasty; 128 consecutive cases. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
73. **Wagner ER**, Bravo D, Moran SL, Elhassan BT. An Analysis of Capitate and Lunate Morphology to Predict Long-term Outcomes in Proximal Row Carpectomy. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
74. Wilke BK, Houdek MT, **Wagner ER**, Wyles CC, Taunton MJ, Sim FH. Long Term Outcomes of Endoprosthetic Reconstruction for Periarticular Tumors Of The Knee. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28.
75. Houdek MT, **Wagner ER**, Watts C, Dennison T, Lewallen DG, Mabry T. Long-term Risk Factors for Revision, Reoperation and Infection Following Revision THA for Mechanical

- Failure. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28.
76. Whiting D, Houdek MT, **Wagner ER**, Lewallen DG, Mabry T. Risk Factors for Late Failure of Revision THA for Aseptic Loosening: A Study of 4,713 Consecutive Revision THA. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 77. Shannon S, Houdek MT, **Wagner ER**, Watts C, Abdel MP, Sems SA, Sierra RJ. Prior Patella Fracture Has No Effect on Long-term Survivorship of Total Knee Arthroplasty. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 78. Houdek MT, **Wagner ER**, Sems S, Moran SL. Use of Reverse Soleus Flaps for Coverage of Soft-Tissue Defects of Distal Third Leg Wounds. Podium Presentation at the 2014 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 79. Houdek MT, **Wagner ER**, Watts C, Lewallen DG, Mabry T. Long-term Risk Factors for Revision, Reoperation and Infection Following Revision THA for Mechanical Failure. Poster Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 80. Werthel JD, **Wagner ER**, Taku H, Sperling JW, Elhassan BT. Effectiveness of Tendon Transfers Performed In Reverse Shoulder Arthroplasty To Restore External Rotation. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 81. Werthel JD, **Wagner ER**, Taku H, Sperling JW, Elhassan BT. Effects Of Lateralization Of Reverse Shoulder Arthroplasty On Tendon Transfers To Restore External Rotation. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 82. Houdek MT, Watts C, **Wagner ER**, Wyles CC, Lewallen DG, Mabry TM. Risk Factors for Late Failure of Revision THA for Aseptic Loosening: A Study of 4,713 Consecutive Revision THA. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 83. Houdek MT, Wilke BK, **Wagner ER**, Wyles CC, Taunton MJ, Sim FH. High Rate of Failure Following Revision of a Total Knee Arthroplasty Performed for Oncological Resection. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
 84. Houdek MT, **Wagner ER**, Wooten CJ, Wyles CC, Martin JR, Cass JR, Trousdale RJ. All Polyethylene Tibias: A survival and infection analysis compared to metal-backed tibias. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.

85. Houdek MT, **Wagner ER**, Rizzo M, Moran SL. Acute Metacarpophalangeal Joint Arthroplasty in the Setting of Trauma. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
86. Martin J, Houdek MT, **Wagner ER**, Trousdale RT. Rotating Platform Posterior Stabilized Total Knee Arthroplasty: Long term outcomes. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
87. Houdek MT, Watts C, **Wagner ER**, Wyles CC, Lewallen DG, Mabry TM. Posttraumatic Total Knee Arthroplasty Continues To Have Worse Outcome Than Total Knee for Osteoarthritis. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
88. Wyles CC, Houdek MT, **Wagner ER**, Wyles S, Sierra RJ. Differential Impact of Corticosteroids on Human Mesenchymal Stem Cells. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
89. Watts C, **Wagner ER**, Houdek MT, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity: A Significant Risk Factor for Failure Following Revision TKA for Aseptic Loosening. Podium Presentation at the 2015 American Association of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, NV, March 24-28, 2015.
90. **Wagner ER**, Houdek MT, Schleck C, Harmsen WS, Sanchez-Sotelo J, Cofield RH, Sperling JW, Elhassan BT. Body Mass Index as a Continuous Variable in Shoulder Arthroplasty. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
91. **Wagner ER**, Meislin M, Shin AY. Smartphone Photography as a Tool to Measure Elbow Range of Motion. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
92. **Wagner ER**, Hundepool C, Kircher M, Spinner RT, Bishop AT, Shin AY. Intercostal Nerve Transfer to Restore Elbow Flexion. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
93. **Wagner ER**, Suh N, Kircher M, Spinner RT, Bishop AT, Shin AY. Denervated SBRN versus Sural Nerve Grafting; a case-control analysis of 75 patients. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
94. **Wagner ER**, Mehrotra K, Rizzo M. Intraoperative and Postoperative Fractures in Total Wrist Arthroplasty; risk factors and long-term outcomes. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.

95. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. An analysis of 583 Metacarpophalangeal Arthroplasties for the Management of Inflammatory Arthritis. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
96. **Wagner ER**, Weston J, Houdek MT, Moran SL, Rizzo M. Pyrocarbon in Metacarpophalangeal Arthroplasty; a longitudinal analysis of 253 cases. Podium Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
97. **Wagner ER**, Mehrotra K, Rizzo M. Predicting Failure and Complications in TWA; review of a 40-year experience. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
98. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Treatment of Osteoarthritis with Proximal Interphalangeal Arthroplasty; a comparison of silicone, pyrocarbon and surface replacing arthroplasty. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
99. **Wagner ER**, Houdek MT, Van Demark R, Moran SL, Rizzo M. Proximal Interphalangeal Joint Arthroplasty with the Surface Replacing Arthroplasty Implant; Outcomes for varying arthritides. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
100. **Wagner ER**, Ransom J, Kremers HM, Elhassan BT, Sperling JW, Cofield R. Costs Analysis of Total Shoulder Arthroplasty; comparison of primary and aseptic revision arthroplasty. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
101. **Wagner ER**, Houdek MT, Van Demark R, Moran SL, Rizzo M. Proximal Interphalangeal Joint Arthroplasty for Inflammatory Arthritis; an implant comparison analysis of 79 consecutive arthroplasties. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
102. **Wagner ER**, Mehrotra K, Rizzo M. Survivorship, Perioperative and Postoperative Complications in Revision TWA. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
103. **Wagner ER**, Houdek MT, Chawla S, Moran SL, Rizzo M. Metacarpophalangeal Arthroplasty for Osteoarthritis; an implant comparison analysis. E-Poster Presentation at the 2015 American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
104. **Wagner ER**, Mehrotra K, Rizzo M. A 40 year Experience Evaluating Factors Contributing to Aseptic Distal Loosening in Total Wrist Arthroplasty. E-Poster Presentation at the 2015 Residents-Fellows American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.

105. **Wagner ER**, Ransom J, Kremers HM, Morrey M, Sanchez-Sotelo J. Cost of Total Elbow Arthroplasty: increased costs in the septic revision setting. E-Poster Presentation at the 2015 Residents-Fellows American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
106. **Wagner ER**, Houdek MT, Sanchez-Sotelo J, Cofield R, Elhassan BT, Sperling JW. Quantifying Survival and Complications in Shoulder Arthroplasty as a Function of Age E-Poster Presentation at the 2015 Residents-Fellows American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
107. **Wagner ER**, Werthel JD, Elhassan BT, Moran SL. A Comparison of Proximal Row Carpectomy and 4 Corner Fusion in Patients Under 45 Years Old. E-Poster Presentation at the 2015 Residents-Fellows American Society for Surgery of the Hand (ASSH), Seattle, WA, September 9-12, 2015.
108. **Wagner ER**, Hundepool C, Kircher M, Spinner RT, Bishop AT, Shin AY. Intercostal Nerve Transfer to Restore Elbow Flexion. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
109. **Wagner ER**, Suh N, Kircher M, Spinner RT, Bishop AT, Shin AY. Denervated SBRN versus Sural Nerve Grafting; a case-control analysis. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
110. **Wagner ER**, Mehrotra K, Rizzo M. A 40 year Experience Evaluating Factors Contributing to Aseptic Distal Loosening in Total Wrist Arthroplasty. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
111. **Wagner ER**, Mehrotra K, Rizzo M. Predicting Failure and Complications in TWA; review of a 40-year experience. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
112. **Wagner ER**, Weston J, Houdek MT, Moran SL, Rizzo M. When are Pyrocarbon Implants Indicated in Metacarpophalangeal Arthroplasty? a longitudinal analysis of 253 cases. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
113. **Wagner ER**, Houdek MT, Van Demark R, Moran SL, Rizzo M. Proximal Interphalangeal Joint Arthroplasty for Inflammatory Arthritis; an implant comparison analysis. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
114. **Wagner ER**, Houdek MT, Elhassan BT, Sanchez-Sotelo J, Cofield R, Sperling JW. Outcomes of the Reverse Prosthesis in Revision Shoulder Arthroplasty. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.

115. **Wagner ER**, Parry J, Riester S, Van Wijnen A, Kakar S, Yaszemski MJ. VEGF-mediated Angiogenesis and Vascularization of a 3D Printed Polymer Scaffold. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
116. Elhassan BT, **Wagner ER**, Werthel JD. Outcome of Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tear Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
117. Houdek MT, **Wagner ER**, Cass JR, Trousdale TR. Metal or Modularity: Why do Metal Backed Tibias Have Inferior Outcomes to All-Polyethylene Tibial Components. Podium Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
118. Chalmers B, **Wagner ER**, Houdek MT, Elhassan BT, Sanchez-Sotelo J, Cofield R, Sperling JW. Excellent Outcomes Of Primary Reverse Total Shoulder Arthroplasty In Patients With Glenohumeral Instability. Poster Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
119. Hatta T, **Wagner ER**, Werthel JD, Cofield R, Sperling JW. Effect of Prior Rotator Cuff Repair on Clinical Outcomes Following Reverse Shoulder Arthroplasty. Poster Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
120. Hatta T, **Wagner ER**, Werthel JD, Cofield R, Sperling JW. Primary Shoulder Arthroplasty in Immunosuppressed Patients Following Solid Organ Transplantation. Poster Presentation at the 2016 American Association of Orthopedic Surgery (AAOS), Orlando, FL, March 2-5, 2016.
121. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. Does Metacarpophalangeal Arthroplasty Performed on Border Digits lead to Worse Outcomes? Podium Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28, 2016.
122. **Wagner ER**, DeDeugd C, Rizzo M. Total Wrist Arthroplasty in Patients Younger than 60 Years of Age; an analysis of 261 consecutive primary. Podium Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, October 1, 2016.
123. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. Proximal Interphalangeal Arthroplasty in Young Patients; an analysis of 305 consecutive primary arthroplasties? Podium Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, October 1, 2016.
124. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. The Impact of Age on Metacarpophalangeal Arthroplasty; an analysis of 689 consecutive arthroplasties. Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.

125. **Wagner ER**, Robinson W, Moran SL, Rizzo M. The Impact of Osteoporosis on Proximal Interphalangeal Arthroplasty Outcomes; a case-control matched cohort. Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.
126. **Wagner ER**, Robinson W, Moran SL, Rizzo M. The Impact of Smoking and Substance Abuse on Proximal Interphalangeal Arthroplasty. Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.
127. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. Proximal Interphalangeal Arthroplasty According to Finger; do border digits perform worse than middle digits? Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.
128. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. The Impact of Body Mass Index in Metacarpophalangeal Arthroplasty. Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.
129. Houdek MT, **Wagner ER**, Pensy RA, Eglseider W. Extensor Digitorum Brevis Flaps for Lower Leg Soft Tissue Coverage. Poster Presentation at American Society of Surgery for the Hand (ASSH) Annual Meeting, Austin, TX, September 28-October 1, 2016.
130. Shannon S, **Wagner ER**, Houdek MT, Sanchez-Sotelo J, Cofield RC, Sperling JW. Reverse Arthroplasty for Proximal Humerus Fractures. Podium Presentation at Orthopedic Trauma Association (OTA) Annual Meeting, National Harbor, MD, October 8, 2016.
131. Hatta T, Werthel JD, **Wagner ER**, Itoi E, Steinmann SP, Cofield RC, Sperling JW. Effect of Smoking on Complications Following Primary Shoulder Arthroplasty. Podium Presentation at French Society of Orthopedic Surgery, Paris, France, November 11, 2016.
132. **Wagner ER**, Robinson W, Houdek MT, Moran SL, Rizzo M. Proximal Interphalangeal Joint Arthroplasty in Young Patients; an analysis of 305 consecutive primary arthroplasties. Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
133. **Wagner ER**, Wanderman N, Moran SL, Rizzo M. Outcomes after PIP Arthroplasty Dislocation; an analysis of 28 consecutive cases. Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
134. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. Proximal Interphalangeal Arthroplasty According to Finger; do border digits perform worse than middle digits? Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
135. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. The Impact of Age on Metacarpophalangeal Arthroplasty; an analysis of 689 consecutive arthroplasties. Podium

Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.

136. **Wagner ER**, DeDeugd C, Rizzo M. Total Wrist Arthroplasty in Patients Younger than 60 Years of Age; an analysis of 261 consecutive primary arthroplasties. Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
137. Aibinder W, **Wagner ER**, Bishop AT, Shin AY. Is Free Vascularized Bone Grafting Superior for Scaphoid Nonunion? Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
138. Wanderman N, **Wagner ER**, Moran SL, Rizzo M. Outcomes after MCP Arthroplasty Dislocation. Podium Presentation at American Association of Hand Surgery (AAHS) Annual Meeting, Hawaii, January 10-14, 2017.
139. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. The Impact of Age on MCP Arthroplasty. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
140. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. Does MCP Arthroplasty Performed in Border Digits lead to Worse Outcomes? Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
141. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. PIP Arthroplasty in Young Patients. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
142. **Wagner ER**, DeDeugd C, Rizzo M. Total Wrist Arthroplasty in Patients Younger than 60 years of Age. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
143. **Wagner ER**, Robinson W, Weston J, Moran SL, Rizzo M. PIP Arthroplasty According to Finger; Do Border Digits Perform Worse than Middle Digits? Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
144. Shannon S, **Wagner ER**, Houdek MT, Sanchez-Sotelo J, Cofield RC, Sperling JW. Reverse Arthroplasty for Proximal Humerus Fractures. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
145. Aibinder W, **Wagner ER**, Bishop AT, Shin AY. Is Free Vascularized Bone Grafting Superior for Scaphoid Nonunion? Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.

146. Sangaralingham L, Larson AN, **Wagner ER**, Shah N, Berry DJ. Predictors of Increased 90-Day Cost for Total Knee Arthroplasty: Perspective of a Private US Payer. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, San Diego, CA, March 14-18, 2017.
147. Wilson J, Meals C, **Wagner ER**. Frailty, using the 5-item modified frailty index, in Distal Radius Fractures. International Federation for Surgery of the Hand (IFSH) 2018 Annual Meeting, Singapore.
148. Srnc J, **Wagner ER**, Rizzo M. Impact of Multiple vs. Single Digit Proximal Interphalangeal Arthroplasty. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.
149. Srnc J, **Wagner ER**, Rizzo M. Outcomes of Bilateral Total Wrist Arthroplasty. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.
150. Robinson W, Carlson B, **Wagner ER**, Nasar A, Freedman B. Insufficiency Fractures of the Vertebral Column; Analysis using the AOA Own the Bone Database. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.
151. Boe C, **Wagner ER**, Rizzo M. Long-term Outcomes of Silicone MCP Arthroplasty. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.
152. Srnc J, **Wagner ER**, Rizzo M. Outcomes of Revision Total Wrist Arthroplasty odium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.
153. Robinson W, Carlson B, **Wagner ER**, Nasar A, Freedman B. Osteoporotic Distal Radius Fractures; Analysis using the AOA Own the Bone Database. Poster Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018
154. **Wagner ER**, Hevesi M, Houdek MT, Cofield RC, Sperling JW, Sanchez-Sotelo J. Revision Reverse Shoulder Arthroplasty for a Failed Primary Reverse Prosthesis. Poster Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018
155. Leafblad N, **Wagner ER**, Vischer S, Wanderman N, Rizzo M. Outcomes and Cost Analysis of Needle Aponeurotomy, Collagenase Injection, and Fasciectomy in the Treatment of Dupuytren's Contracture. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018.

156. Wyles C, Robinson W, **Wagner ER**, Houdek MT, Mabry T, Trousdale RT. Cost and Outcomes Associated with Bilateral TKA Performed by Two-Surgeon Teams vs. Single-Surgeon. Podium Presentation at American Association of Orthopedic Surgery (AAOS) Annual Meeting, New Orleans, LA, March 6-10, 2018
157. **Wagner ER**, Woodmass JW, Borque K, Chang M, Welp K, Warner J. Learning Curve Associated with Superior Capsular Reconstruction. Podium Presentation at American Shoulder and Elbow Surgery (ASES) Fellow's Day at San Diego Shoulder Institute (SDSI) Annual Meeting, San Diego, CA. June 20-23, 2018.
158. **Wagner ER**, Hevesi M, Houdek MT, Cofield RH, Sperling JW, Sanchez-Sotelo J. Revision reverse shoulder arthroplasty for a failed primary reverse prosthesis. Podium Presentation at European Society for Surgery of the Shoulder and the Elbow Annual Meeting, Munich, Germany, September 2018.
159. Aizpuru M, Farley KX, **Wagner ER**, Jordan WD, Crawford RS. Usefulness of Frailty Indices for Predicting Outcomes in Carotid Endarterectomy. Podium Presentation at the Annual Academic Surgical Congress (AASC), Houston, TX, February 5-7, 2019.
160. Aizpuru BA, Farley KX, Gallo LK, **Wagner ER**, Jordan WD, Benarroch-Gampel J, Crawford RS. Economic Burden and Clinical Impact of Opioid Dependence in Patients Undergoing Lower Extremity Bypass Surgery: Quantifying the Cost of a New Epidemic. Podium Presentation at the Society for Clinical Vascular Surgery (SCVS) Annual Meeting, Boca Raton, FL, March 16-20, 2019.
161. Aizpuru M, Farley KX, Santos JL, **Wagner ER**, Jordan WD, Crawford RS. White Race is an Independent Predictor of In-Hospital Mortality in Type B Aortic Dissection. Podium Presentation at the Society for Clinical Vascular Surgery (SCVS) Annual Meeting, Boca Raton, FL, March 16-20, 2019.
162. Aizpuru M, Farley KX, Santos JL, **Wagner ER**, Jordan WD, Crawford RS. Cost and Clinical Impact of Isolated, Individual Complications in Vascular Surgery Patients. Podium Presentation at the Society for Clinical Vascular Surgery (SCVS) Annual Meeting, Boca Raton, FL, March 16-20, 2019.
163. Elhassan BT, **Wagner ER**, Sanchez-Sotelo J. Outcome of Arthroscopically Assisted Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tears. Podium Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 12, 2019.
164. **Wagner ER**, Woodmass JM, Welp K, Chang M, Higgins LD, Warner JP. The Impact of Workmans' Compensation on Recovery after Biceps Tenodesis. Podium Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 13, 2019.

165. Woodmass JM, **Wagner ER**, Borque K, Welp K, Chang M, Warner JP. The Learning Curve of Superior Capsule Reconstructions. Podium Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 13, 2019.
166. Holzgrefe R, Wilson J, Staley C, Anderson T, **Wagner ER**, Gottschalk MB. Modified Frailty Index is an Effective Risk Stratification Tool for 30-day Complications, Readmission, Reoperation, Adverse Discharge, and Length of Stay after Total Shoulder Arthroplasty. Podium Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 15, 2019.
167. Woodmass JM, **Wagner ER**, Welp K, Chang M, Higgins LD, Warner JP. Postoperative Recovery Comparisons of Latissimus Dorsi Transfer to Lower Trapezius Transfer for the Treatment of Massive Rotator Cuff Tears Podium Presentation at the American Shoulder and Elbow Surgeons (ASES) Specialty Day at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 16, 2019.
168. **Wagner ER**, Sanchez-Sotelo J, Elhassan BT. Outcome of Arthroscopically Assisted Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tears. Podium Presentation at the American Shoulder and Elbow Surgeons (ASES) Specialty Day at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 16, 2019.
169. **Wagner ER**, Woodmass JM, Welp K, Chang M, Higgins LD, Warner JP. Early Clinical Outcomes of Superior Capsular Reconstruction Compared to Tendon Transfers. Poster Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 12-16, 2019.
170. Woodmass JM, **Wagner ER**, Chang M, Welp K, Higgins LD, Warner JP. Comparisons of Latissimus Dorsi Transfer to Lower Trapezius Transfer Clinical Outcomes for the Treatment of Massive Rotator Cuff Tears. Poster Presentation at the American Academy of Orthopaedic Surgery (AAOS) Annual Meeting, Las Vegas, Nevada, March 12-16, 2019.
171. **Wagner ER**, Woodmass JM, Chang M, Welp K, Higgins LD, Warner JP. Postoperative Recovery Comparisons of Total, Reverse, and Revision Reverse Shoulder Arthroplasty. Podium Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 15, 2019.
172. Woodmass JM, **Wagner ER**, Chang M, Welp K, Higgins LD, Warner JP. Postoperative Recovery Comparisons of Latissimus Dorsi Transfer to Lower Trapezius Transfer for Treatment of Massive Irreparable Posterosuperior Rotator Cuff Tears. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
173. Farley KX, Schwartz AM, Nazzal E, Daly CA, Gottschalk MB, **Wagner ER**. The Economic Burden of Comorbidities in Patients Undergoing Total Shoulder Arthroplasty. Podium

Presentation at the International Society for Arthroscopy, Knee Surgery, and Orthopedic Surgery (ISAKOS) Biennial Congress, Cancun, Mexico, May 12-16, 2019.

174. Farley KX, Anastasio AT, Aizpuru M, Schwartz AM, **Wagner ER**, Daly C, Gottschalk MB. The Economic Burden of Opioid Use Disorder in Patients undergoing Total Hip, Knee, and Shoulder Arthroplasty. Poster Presentation at the International Society for Arthroscopy, Knee Surgery, and Orthopedic Surgery (ISAKOS) Biennial Congress, Cancun, Mexico, May 12-16, 2019.
175. Elhassan BT, **Wagner ER**, Sanchez-Sotelo J. Outcome of Arthroscopically Assisted Lower Trapezius Transfer to Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tears. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
176. Woodmass JM, **Wagner ER**, Smith J, Chang M, Welp K, Higgins LD, Warner JP. Postoperative Recovery Comparisons of Arthroscopic Bankart to Open Latarjet for the Treatment of Anterior Glenohumeral Instability. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
177. **Wagner ER**, Woodmass JM, Chang M, Welp K, Higgins LD, Warner JP. Capsular Release Following Total Shoulder Arthroplasty: An Analysis of Early Outcomes. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
178. Woodmass JM, **Wagner ER**, Chang M, Welp K, Warner JP. Reduction in the Rate of Nerve Injury Following Latarjet: Before and After Study Following Nerve Monitoring. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
179. **Wagner ER**, Woodmass JM, Chang M, Welp K, Higgins LD, Warner JP. The Impact of Workman's Compensation on Recovery after Biceps Tenodesis. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
180. Woodmass JM, **Wagner ER**, Chang M, Welp K, Warner JP. Superior Capsular Reconstruction Using Dermal Allograft: Early Outcomes and Survival. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
181. Elhassan B, **Wagner ER**, Sanchez-Sotelo J. Latissimus Dorsi for Irreparable Subscapularis Tears. Poster Presentation at International Society of Arthroscopy, Knee and Orthopedic Surgery (ISAKOS) Annual Meeting, Cancun, Mexico, May 12-16, 2019.
182. Anastasio A, Farley K, Daly C, **Wagner ER**, Gottschalk MB. Ultrasound Leads to Increased Palmaris Longus Tendon Detection by Physical Sufficient for Identification of Appropriate

- Graft Material. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
183. Farley K, Anastasio A, Aizpuru M, Schwarz A, Daly C, Gottschalk MB, **Wagner ER**. The Cost of Isolated Complications in Patients Undergoing Total Joint Arthroplasty. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
 184. Farley K, Anastasio A, **Wagner ER**, Daly C, Gottschalk MB. Post-operative Outcomes of Patients with Chronic Kidney Disease Undergoing Shoulder Arthroplasty. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
 185. Farley K, Anastasio A, Schwarz A, Aizpuru M, Daly C, **Wagner ER**, Gottschalk MB. The Economic Burden of Opioid Use Disorder in Patients undergoing Total Joint Arthroplasty. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
 186. Farley K, Anastasio A, Schwarz A, Daly C, Gottschalk MB, **Wagner ER**. One (day) and Done: Length of Stay Directly Correlated to Cost in Hip, Knee, and Shoulder Arthroplasty. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
 187. Farley K, Anastasio A, **Wagner ER**, Gottschalk MB. Comparison of post-operative outcomes in patients with and without rheumatoid arthritis who received total ankle arthroplasty or arthrodesis. E-poster American Orthopaedic Association (AOA) Annual Meeting, San Diego, CA, June 25-29, 2019.
 188. Woodmass JM, **Wagner ER**, Borque K, Welp K, Cheng M, Warner JJ. Superior Capsule Reconstruction using Dermal Allograft: Early Outcomes and Survival. Podium Presentation Canada Orthopaedic Association (COA) Annual Meeting, Montreal, QC, June, 2019.
 189. Woodmass JM, **Wagner ER**, Welp K, Chang M, Higgins LD, Warner JJP. Postoperative Recovery Comparisons of Latissimus Dorsi Transfer to Lower Trapezius Transfer for the treatment of Massive Rotator Cuff Tears. Poster Presentation Canada Orthopaedic Association (COA) Annual Meeting, Montreal, QC, June, 2019.
 190. **Wagner ER**, Chang MJ, Welp KM, Hunt T, Woodmass JM, Higgins LD, Warner JJP. Capsular release following total shoulder arthroplasty: an analysis of early outcomes. . Poster Presentation Canada Orthopaedic Association (COA) Annual Meeting, Montreal, QC, June, 2019.
 191. Woodmass JM, Welp KM, Chang MJ, Borque KA, **Wagner ER**, Warner JJP. A reduction in the rate of nerve injury after Latarjet: a before-after study after neuromonitoring. Poster Presentation Canada Orthopaedic Association (COA) Annual Meeting, Montreal, QC, June, 2019.

192. Woodmass JM, **Wagner ER**, Smith J, Welp KM, Chang MJ, Higgins LD, Warner JJP. Post-operative recovery comparisons of arthroscopic Bankart to open Latarjet for the treatment of anterior glenohumeral instability. Poster Presentation Canada Orthopaedic Association (COA) Annual Meeting, Montreal, QC, June, 2019.
193. **Wagner ER**, Woodmass JM, Welp KM, Chang MJ, Zimmer Z, Warner JJP. Needle Arthroscopy vs. MRI: a prospective, blinded, randomized controlled trial. Podium Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, September 1, 2019.
194. **Wagner ER**, Woodmass JM, Welp KM, Chang MJ, Higgins L, Warner JJP. Capsular Release Following Total Shoulder Arthroplasty: An Analysis Of Early Outcomes. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
195. **Wagner ER**, Welp KM, Chang MJ, Woodmass JM, Warner JJP. Is Revision to Anatomic Shoulder Arthroplasty Still an Option? Systematic Review. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
196. **Wagner ER**, Welp KM, Chang MJ, Woodmass JM, Higgins L, Warner JJP. The Impact Of Workman's Compensation On Recovery After Biceps Tenodesis. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
197. **Wagner ER**, Woodmass JM, Welp KM, Chang MJ, Higgins L, Warner JJP. Early Clinical Outcomes Of Superior Capsular Reconstruction Compared To Tendon Transfers. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
198. Elhassan BT, **Wagner ER**, Kany J. Latissimus Dorsi Transfer for Irreparable Subscapularis Tear. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
199. Elhassan BT, **Wagner ER**, Sanchez-Sotelo J. Arthroscopically Assisted Lower Trapezius Transfer To Reconstruct Massive Irreparable Posterior-Superior Rotator Cuff Tears. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
200. Holzgrefe R, Wilson J, Staley C, Anderson T, Gottschalk MB, **Wagner ER**. Frailty Predicts Complications, Readmission, Reoperation, And LOS In Elderly Patients Undergoing Total Shoulder Arthroplasty. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
201. Farley K, Schwartz A, Daly CA, Gottschalk MB, **Wagner ER**. Evidence-Based Thresholds For Hospital Volume In Reverse Shoulder Arthroplasty. Poster Presentation European Society

for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.

202. **Wagner ER**, Farley K, Higgins X, Lyles R, Wilson J, Daly CA, Gottschalk MB. The Incidence of Shoulder Arthroplasty: Rise And Future Projections Compared To Hip And Knee Arthroplasty. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
203. Farley K, Schwartz A, Boden S, Wilson J, Daly CA, Gottschalk MB, **Wagner ER**. The Effect Of Tobacco Smoking On Short-Term Outcomes In The Shoulder Arthroplasty Patient. Poster Presentation European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting, Copenhagen, Denmark, August 30-September 1, 2019.
204. Farley KX, Anastasio AT, Daly CA, **Wagner ER**, Gottschalk MB. Post-operative Outcomes of Patients with Chronic Kidney Disease Undergoing Shoulder Arthroplasty. Podium Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, Las Vegas, NV, September 5-7, 2019.
205. Farley KX, Wilson, JM, Daly CA, Gottschalk MB, **Wagner ER**. Projections of Total and Reverse Shoulder Arthroplasty in The United States to 2025. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, Las Vegas, NV, September 5-7, 2019.
206. Farley KX, Boden SA, Schwartz AM, Daly CA, Gottschalk MB, **Wagner ER**. The Effect of Tobacco Smoking on Short-Term Outcomes in the Shoulder Arthroplasty Patient. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, Las Vegas, NV, September 5-7, 2019.
207. Farley KX, Boden SA, Schwartz AM, Daly CA, Gottschalk MB, **Wagner ER**. The Effect of Tobacco Smoking on Short-Term Outcomes in the Shoulder Arthroplasty Patient. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, Las Vegas, NV, September 5-7, 2019.
208. Farley KX, Boden SA, Schwartz AM, Daly CA, Gottschalk MB, **Wagner ER**. Evidence-Based Thresholds for Hospital Volume in Reverse Shoulder Arthroplasty: A Nationwide Analysis. Podium Presentation at the Eastern Orthopaedic Association (EOA) Annual Meeting, Palm Beach, FL, October 16-19, 2019.
209. Farley KX, Wilson JM, Daly CA, Gottschalk MB, **Wagner ER**. Projections of Total and Reverse Shoulder Arthroplasty in The United States to 2025. Podium Presentation at the Eastern Orthopaedic Association (EOA) Annual Meeting, Palm Beach, FL, October 16-19, 2019.
210. Farley KX, Wilson JM, Daly CA, Gottschalk MB, **Wagner ER**. Incidence and Trends of Reverse Shoulder Arthroplasty vs Total Shoulder Arthroplasty in the Elderly. Podium

Presentation at the Eastern Orthopaedic Association (EOA) Annual Meeting, Palm Beach, FL, October 16-19, 2019.

211. Claxton M, **Wagner ER**, Rizzo M. Outcomes of Metacarpophalangeal Surface Replacement Arthroplasty for Rheumatoid Arthritis. Poster Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020.
212. Dawes AM, Farley KX, Nazzal E, Spencer CC, Daly CA, Chung KC, Gottschalk MB, **Wagner ER**. Epidemiology of Upper Extremity Fractures in the Emergency Department. Poster Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020.
213. Farley KX, Spencer CC, Dawes AM, Gottschalk MB, Daly CA, **Wagner ER**. Smoking and Primary Total Shoulder Arthroplasty: an Important and Modifiable Risk Factor. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020.
214. Farley KX, Dawes AM, Spencer CC, Gottschalk MB, Daly CA, **Wagner ER**. Hospital Volume Thresholds in Reverse Shoulder Arthroplasty: A Nationwide Analysis. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020.
215. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, Daly CA, **Wagner ER**. Post-operative Methylprednisolone Taper Course for Distal Radius Fractures: Early Results of a Randomized Control Trial. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020
216. Farley KX, Dawes AM, Spencer CC, Shau D, Gottschalk MB, Daly CA, **Wagner ER**. Medicaid Payer Status is Associated with Increased 90-Day Morbidity and Resource Utilization Following Primary Shoulder Arthroplasty: A Propensity-Score Matched Analysis. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020
217. Farley KX, Spencer CC, Dawes AM, Gottschalk MB, Daly CA, **Wagner ER**. Medicaid Payer Status is a Predictor of Early Post-operative Pain Following Upper Extremity Procedures. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020
218. Farley KX, Dawes AM, Spencer CC, Gottschalk MB, Daly CA, **Wagner ER**. The Incidence of Shoulder Arthroplasty: Rise and Future Projections Compared to Hip and Knee Arthroplasty. Podium Presentation at the American Association of Hand Surgery (AAHS) Annual Meeting, Fort Lauderdale, FL, January 8-11, 2020

219. **Wagner ER**, Farley KX, Neustein TM, Daly CA, Gottschalk MB. Arthroscopic-Assisted Lower Trapezius Tendon Transfer for Irreparable Rotator Cuff Tears. Video Theater Presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting in Orlando, FL, March 24-28, 2018. Accepted, but conference canceled due to concern for COVID-19.
220. Farley KX, Aizpuru M, Lee S, Daly CA, Gottschalk MB, **Wagner ER**. The Rise in Motorized Scooter Injuries: A Potentially Modifiable Epidemic In Musculoskeletal Health. Podium Presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting in Orlando, FL, March 24-28, 2020. Accepted, but conference canceled due to concern for COVID-19.
221. Farley KX, Schwartz AM, Nazzal E, Daly CA, Gottschalk MB, **Wagner ER**. The Economic Burden of Comorbidities in Patients Undergoing Total Shoulder Arthroplasty. Podium Presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting in Orlando, FL, March 24-28, 2020. Accepted, but conference canceled due to concern for COVID-19
222. Farley KX, Boden SA, Schwartz AM, Daly CA, Gottschalk MB, **Wagner ER**. Evidence-Based Thresholds for Hospital Volume in Reverse Shoulder Arthroplasty: A Nationwide Analysis. Poster Presentation at the American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting in Orlando, FL, March 24-28, 2020. Accepted, but conference canceled due to concern for COVID-19
223. Schwartz AM, Anastasio A, Farley KX, Spencer CC, Dawes AM, Daly CA, **Wagner ER**, Gottschalk MB. Peri-Operative Outcomes of Patients with Chronic Kidney Disease Undergoing Shoulder Arthroplasty. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020.
224. Farley KX, Spencer CC, Dawes AM, Gottschalk MB, Daly CA, **Wagner ER**. The Rise in Motorized Scooter Injuries: A Potentially Modifiable Epidemic in Musculoskeletal Health. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
225. Dawes AM, Spencer CC, Guisse N, Daly CA, **Wagner ER**, Gottschalk MB. A Comparison of Liposomal Bupivacaine to Standard Ropivacaine Used in Interscalene Blocks for Patients Undergoing Total Shoulder Arthroplasty and the Effect on Postoperative Analgesia, Length of Hospitalization, and Functionality. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
226. Farley KX, Dawes AM, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Dislocation Following Total Shoulder Arthroplasty: A Risk Factor Analysis. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020

227. Farley KX, Aizpuru M, Daly CA, Gottschalk MB, **Wagner ER**. The Rise in Motorized Scooter Injuries: A Potentially Modifiable Epidemic in Musculoskeletal Health. Poster Presentation at the Canadian Orthopaedic Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020.
228. Schwartz AM, Anastasio AT, Farley KX, Daly CA, **Wagner ER**, Gottschalk MB. Peri-Operative Outcomes of Patients with Chronic Kidney Disease Undergoing Shoulder Arthroplasty. Poster Presentation at the Canadian Orthopaedic Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
229. Farley KX, Wilson JM, Spencer CC, Dawes AM, Gottschalk MB, Daly CA, **Wagner ER**. Smoking and Primary Total Shoulder Arthroplasty: an Important and Modifiable Risk Factor. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
230. Farley KX, Schwartz AM, Spencer CC, Dawes AM, Gottschalk MB, Daly CA, Wagner ER. Projections of Revision Arthroplasty in The United States to 2030. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
231. Wilson JM, Farley KX, *Spencer CC, Dawes AM, Gottschalk MB, Daly CA, **Wagner ER**. Preoperative Opioid Prescription is an Independent Risk Factor for Complication and Increased Healthcare Utilization Following Total Shoulder Arthroplasty. Poster Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020.
232. *Spencer CC, Dawes AM, Farley KX, McGinley BM, Gottschalk MB, Daly CA, **Wagner ER**. The Cost Associated with the Evaluation and Conservative Treatment of Thumb Carpometacarpal Arthritis Before Operative Intervention. Podium Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
233. *Spencer CC, Dawes AM, Farley KX, Campbell C, Daly CA, **Wagner ER**, Gottschalk MB. Post-operative Methylprednisolone Taper Course for Distal Radius Fractures: Early Results of a Randomized Control Trial. Podium Presentation at the Canadian Orthopaedics Association (COA) Annual Meeting, Halifax, Nova Scotia, Live Virtual Conference: June 19-20, 2020
234. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, Daly CA, **Wagner ER**. The Influence of Modifiable and Nonmodifiable Variables on Carpometacarpal Arthroplasty Complications. Podium Presentation at the Federation of European Societies for Surgery of the Hand (FESSH) 25th Congress, Basel, Switzerland, September 1-5, 2020.

235. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, Daly CA, **Wagner ER**. The Cost Associated with the Evaluation and Conservative Treatment of Thumb Carpometacarpal Arthritis Before Operative Intervention. Podium Presentation at the Federation of European Societies for Surgery of the Hand (FESSH) 25th Congress, Basel, Switzerland, September 1-5, 2020
236. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, Daly CA, **Wagner ER**. Trends and Utilization of Prescription Opioids Following Carpometacarpal Arthroplasty: How Much is Too Much? Podium Presentation at the Federation of European Societies for Surgery of the Hand (FESSH) 25th Congress, Basel, Switzerland, September 1-5, 2020
237. Siracuse BL, McGinley BM, Daly CA, Gottschalk M, **Wagner ER**. Systematic Review of the Use of Arthroscopy for the Treatment of First Carpometacarpal Arthritis. Podium Presentation Federation of European Societies for Surgery of the Hand (FESSH) Annual Meeting, Basel, Switzerland, June 3-6, 2020.
238. Dekyser G, Wilson JM, Kellam P, Spencer C, Haller J, Rothberg, DL, **Wagner ER**, Higgins, TF, Marchand LS. Hip Fractures in the Young Patient: All Types are Not Created Equal. OTA Annual Meeting, *Poster Presentation*, Nashville, TN, 9/2020.
239. Dawes AM, Spencer CC, DeMaio EL, Daly CA, Gottschalk MB, **Wagner ER**. Offering An Alternate Solution: Total Wrist Arthrodesis After a Failed Four Corner Fusion. Video Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020.
240. Dawes AM, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Pedicled Pectoralis Transfer as a Novel Approach to Paralysis of the Deltoid. Video Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
241. Dawes AM, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Glenohumeral Arthrodesis: A Salvage Option for Patients with Severe Posttraumatic Deformity. Video Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
242. Dawes AM, Spencer CC, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Saved by the Ulnar Shortening Osteotomy: A Great Salvage for Chronic Pain and LT Instability. Video Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020.
243. Dawes AM, Spencer CC, Guisse N, Daly CA, **Wagner ER**, Gottschalk MB. A Comparison of Liposomal Bupivacaine to Standard Ropivacaine Used in Interscalene Blocks for Patients Undergoing Total Shoulder Arthroplasty and the Effect on Postoperative Analgesia, Length of Hospitalization, and Functionality. Podium Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020.

244. Spencer CC, Dawes AM, Siracuse BL, Daly CA, Gottschalk MB, **Wagner ER**. Postoperative pain control after CMC arthroplasty: How Many Opioids Is Too Many? Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
245. Dawes AM, Spencer CC, Runge WO, **Wagner ER**, Daly CA, Gottschalk MB. Simultaneous Carpal Tunnel and Cubital Tunnel Release: Who Needs Both? Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
246. Dawes AM, Spencer CC, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. The Influence of Modifiable and Nonmodifiable Variables on CMC Arthroplasty Complications. Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
247. Farley KX, Wilson JM, Daly CA, Gottschalk MB, Sanchez-Sotelo J, **Wagner ER**. Prevalence of Shoulder Arthroplasty in the United States. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, San Antonio, TX, October 1-3, 2020.
248. Lunati M, Wilson JM, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Preoperative Depression: Increased Complications and Cost Following Total Shoulder Arthroplasty. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, San Antonio, TX, October 1-3, 2020
249. Godfrey W, **Farley KX**, Shau D, Daly CA, Gottschalk MB, Wagner ER. Medicaid Payer Status is Associated with Increased 90-Day Morbidity and Resource Utilization Following Primary Shoulder Arthroplasty. Poster Presentation at the American Society for Surgery of the Hand (ASSH) Annual Meeting, San Antonio, TX, October 1-3, 2020
250. Wilson JM, Farley KX, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Preoperative Opioid Use Influences Outcomes Following Primary Total Shoulder Arthroplasty. Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
251. Spencer CC, Dawes AM, Farley KX, **Wagner ER**, Gottschalk MB, Daly CA. Preoperative Diagnosis and Management of Cubital Tunnel Syndrome: How Does It Vary and What Does It Cost? Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
252. Spencer CC, Dawes AM, Farley KX, Daly CA, **Wagner ER**, Gottschalk MB. The Workup and Conservative Treatment of Carpal Tunnel Syndrome: How Much Does it Cost? Poster Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020

253. Spencer CC, Dawes AM, McGinley BM, Daly CA, Gottschalk MB, **Wagner ER**. Conservative Treatment of Thumb Osteoarthritis Before CMC Arthroplasty: Which Modalities are Used and What's the Cost? Podium Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
254. Allard-Phillips E, Dawes AM, Spencer CC, **Wagner ER**, Gottschalk MB, Daly CA. Benefit of Lidocaine in Trigger Finger Injections: A Randomized Controlled Trial. Podium Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
255. Farley KX, Wilson JM, Spencer CC, Daly CA, Xerogeanes JM, Gottschalk MB, **Wagner ER**. Pre-operative Opioid Use as a Risk Factor for Revision Surgery and Complications Following Rotator Cuff Repair. Podium Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
256. Dawes AM, Spencer CC, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Post-operative Glucocorticoid use in Shoulder Arthroplasty: Early Results of a Randomized-Control Trial. Podium Presentation at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
257. Spencer CC, Dawes AM, Farley KX, Daly CA, **Wagner ER**, Gottschalk MB. Opioid Free Distal Radius Surgery: Methylprednisolone is 50% of the Way There! Podium Presentation (Best Papers Session) at the American Society for Surgery of the Hand (ASSH) 75th Annual Meeting, October 1-3, 2020
258. Spencer CC, Collins D, Greenfield PT, Dawes AM, Gottschalk MB, **Wagner ER**, Daly CA. Preoperative Diagnosis and Management of Cubital Tunnel Syndrome: How Does It Vary and What Does It Cost? Post Presentation at American Society for Peripheral Nerve (ASPN) Virtual Annual Meeting, January, 2021.
259. Spencer CC, Greenfield PT, Dawes AM, **Wagner ER**, Gottschalk MB, Daly CA. The Workup and Conservative Treatment of Carpal Tunnel Syndrome: How Much Does it Cost? Post Presentation at American Society for Peripheral Nerve (ASPN) Virtual Annual Meeting, January, 2021.
260. Spencer CC, Duddleston SH, Dawes AM, Karas SG, Xerogeanes JW, Gottschalk MB, **Wagner ER**. Prolonged Opioid Use Following Shoulder Instability Surgery: Are there any modifiable risk factors? Post Presentation at American Association for Hand Surgery (AAHS) Virtual Annual Meeting, January, 2021.
261. Dawes AM, Spencer CC, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Post-operative Glucocorticoid use in Shoulder Arthroplasty: Early Results of a Randomized-Control Trial. Podium Presentation (Oral Webinar) American Association for Hand Surgery (AAHS) Virtual Annual Meeting, January, 2021.

262. Dawes AM, Spencer CC, DeMaio EL, Daly CA, Gottschalk MB, **Wagner ER**. The Influence of Modifiable and Nonmodifiable Variables on CMC Arthroplasty Complications. Podium Presentation (Oral Webinar) American Association for Hand Surgery (AAHS) Virtual Annual Meeting, January, 2021.
263. Spencer CC, Dawes AM, McGinley BM, Daly CA, Gottschalk MB, **Wagner ER**. Conservative Treatment of Thumb Osteoarthritis Before CMC Arthroplasty: Which Modalities are Used and What's the Cost? Podium Presentation (Oral Webinar) American Association for Hand Surgery (AAHS) Virtual Annual Meeting, January, 2021.
264. Dawes AM, Spencer CC, Siracuse BL, Runge WO, Daly CA, Gottschalk MB, **Wagner ER**. Postoperative Pain Control after CMC arthroplasty: How Many Opioids Is Too Many? Podium Presentation (Oral Webinar) American Association for Hand Surgery (AAHS) Virtual Annual Meeting, January, 2021.
265. Claxton M, Moran S, **Wagner ER**, Rizzo M. Medium-Term Outcomes of Metacarpophalangeal Arthroplasty with a Pyrocarbon Implant for Rheumatoid Arthritis. Podium Presentation at the American Association for Hand Surgery (AAHS) Annual Meeting Virtual Conference: January 2021.
266. Claxton M, Moran S, **Wagner ER**, Rizzo M. Pyrocarbon metacarpophalangeal arthroplasty for noninflammatory arthritis: a study on outcomes in 56 cases. Podium Presentation at the American Association for Hand Surgery (AAHS) Annual Meeting Virtual Conference: January 2021.
267. Farley KX, Fakunle OL, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Does Preoperative Opioid Use Increase Revision Surgery and Complications following Carpometacarpal Arthroplasty? American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
268. Spencer CC, Duddleston SH, Dawes AM, Karas SG, Xerogeanes JM, Gottschalk MB, **Wagner ER**. Prolonged Opioid Use following Shoulder Instability Surgery: Are there any Modifiable Risk Factors? American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
269. Spencer CC, Pflederer JA, Dawes AM, Gottschalk MB, **Wagner ER**. Opioid Use following Total Shoulder Arthroplasty: Who Requires Refills and for How Long? American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
270. Dawes AM, Spencer CC, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Postoperative Glucocorticoid Use in Shoulder Arthroplasty: Early Results of a Randomized-Control Trial. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Podium Presentation)

271. Dawes AM, Spencer CC, McGinley BM, DeMaio EL, Daly CA, Gottschalk MB, **Wagner ER**. The Influence of Modifiable and Nonmodifiable Variables on Carpometacarpal Arthroplasty Complications. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
272. Fakunle OL, DeMaio EL, Spencer CC, Kumar A, Gottschalk MB, **Wagner ER**. Two Sides of the Same Coin: A Systematic Review on the Difference in Outcomes of Radiolunate vs. Radioscapholunate Arthrodesis. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
273. Farley KX, Wilson JM, Spencer CC, Xerogeanes JM, Gottschalk MB, **Wagner ER**. Preoperative Opioid Use is a Risk Factor for Revision Surgery, Complications, and Increased Resource Utilization after Arthroscopic Rotator Cuff Repair. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Podium Presentation)
274. Farley KX, Aizpuru M, Wilson JM, Xerogeanes JM, Daly CA, Gottschalk MB, **Wagner ER**. The Rise of Scooter Rideshares: An Unsafe Practice with a National Epidemic of Musculoskeletal Injuries. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
275. Farley KX, Wilson JM, Gottschalk MB, Daly CA, Sanchez-Sotelo J, **Wagner ER**. Prevalence of Shoulder Arthroplasty in the United States and the Increasing Burden of Revision Shoulder Arthroplasty. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Poster Presentation)
276. Heifner J, Kumar A, **Wagner ER**. Glenohumeral osteoarthritis with intact rotator cuff treated with reverse shoulder arthroplasty: a systematic review. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, San Diego, CA, August 31 – September 3, 2021. (Podium Presentation).
277. Houdek MT, Rose PS, Sanchez-Sotelo J, **Wagner ER**. Allograft Prosthetic Composite Reconstruction Using a Reverse Total Shoulder Arthroplasty for Failed Oncologic Proximal Humerus Reconstruction. Musculoskeletal Tumor Society (MSTS), October 1-4, 2021. (Podium Presentation)
278. Dawes AM, Spencer CC, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Allograft Prosthetic Composite Reconstruction with Latissimus Dorsi, Deltoid, and Pectoralis Major Muscle Transfers to treat a Failed Tumor Megaprosthesis. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
279. Dawes AM, Spencer CC, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Arthroscopic Capsular Release: A reliable solution for recalcitrant adhesive capsulitis. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)

280. Hurt JT, Dawes AM, Toston RJ, Gottschalk MB, **Wagner ER**. Arthroscopic Hemitrapeziectomy and Allograft Interposition Arthroplasty for the Treatment of Thumb Carpometacarpal Arthritis. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
281. Dawes AM, Spencer CC, Hurt JT, Toston RJ, Daly CA, Gottschalk MB, **Wagner ER**. Glenohumeral Arthrodesis: A salvage for severe post-traumatic deformity. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
282. Dawes AM, Spencer CC, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Split Pectoralis Major Transfer for Serratus Paralysis: Changing the Paradigm of Scapular Winging. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
283. Toston RJ, Hurt JT, Dawes AM, Gottschalk MB, **Wagner ER**. Arthroscopic Pectoralis Minor Release and Brachial Plexus Neurolysis: A Novel Treatment of Neurogenic Thoracic Outlet Syndrome. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
284. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Partial Wrist Denervation for Central Wrist Arthritis: What have you got to lose? American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
285. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Customized Osteotomy of the Radius and Ulna for Longstanding Deformity: The Cutting Edge. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
286. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Recalcitrant Posterior Elbow Wounds and the Use of a Pedicled Anconeus Flap: The Quick Fix. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
287. Toston RJ, Hurt JT, Dawes AM, **Wagner ER**, Gottschalk MB. The Use of the Agee Digit Widget (Continuous Extension Technique) for Extreme Dupuytren's PIP Contractures. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Video Presentation)
288. McGinley B, Whittingslow D, Hurt JT, Lamplot J, Ghareeb P, **Wagner ER**, Gottschalk MB. Quantifying Patient Sentiment of Treatments for Lateral Elbow Tendinopathy. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)

289. Spencer CC, Runge WO, Hurt JT, Dawes AM, Toston RJ, Spencer CC, **Wagner ER**, Gottschalk MB. Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
290. Runge W, Broggi MS, Dawes AM, Toston RJ, Hurt JT, **Wagner ER**, Gottschalk MB. Prolonged Opioid Use After Surgery for Distal Radius Fracture: Who Is At Risk? American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
291. Toston RJ, Hurt JT, Dawes AM, Graf A, **Wagner ER**, Gottschalk MB. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
292. Stewart C, Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. CrossFit, healthy or harmful for the Upper extremity? American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
293. McGinley B, Hurt JT, Toston RJ, Dawes AM, Gottschalk MB, **Wagner ER**. Thumb Carpometacarpal Arthroscopy: A Systematic Review of these Novel Techniques. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
294. Siracuse B, Dawes AM, Spencer CC, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Opioid Prescribing Practices after Thumb Carpometacarpal Arthroplasty: patterns, trends, and risk factors for additional refills. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Podium Presentation)
295. Pflederer J, Dawes AM, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who Requires Refills and for How Long? American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
296. Farley K, Wilson J, Dawes AM, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Racial Disparities in the Utilization of Shoulder Arthroplasty in the United States, Trends from 2011 to 2017. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
297. Ahmed AS, Dawes AM, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Trends in Surgical Stabilization of Glenohumeral Instability in the United States from 2009 to 2018: Rise of the Latarjet and Fall of the Open Bankart. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)

298. Hurt JT, Graf A, Dawes AM, Toston RJ, Gottschalk MB, **Wagner ER**. Winter Sport Musculoskeletal Injuries: Epidemiology and Factors Predicting Hospital Admission. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
299. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression and Anxiety in CMC Arthroplasty. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
300. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression, Anxiety, and ADHD in Carpal Tunnel Release. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Poster Presentation)
301. Heifner J, Kumar A, **Wagner ER**. Glenohumeral osteoarthritis with intact rotator cuff treated with reverse shoulder arthroplasty: a systematic review. American Society for Surgery of the Hand (ASSH) Annual Meeting, September 30-October 3, 2021 (Accepted for Poster Presentation)
302. Houdek MT, Rose PS, Sanchez-Sotelo J, **Wagner ER**. Allograft Prosthetic Composite Reconstruction Using a Reverse Total Shoulder Arthroplasty for Failed Oncologic Proximal Humerus Reconstruction. European Musculoskeletal Oncology Society (EMOS), December 1-4, 2021. (Podium Presentation)
303. Dawes AM, Pflederer J, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Postoperative Opioid Use Following Total Shoulder Arthroplasty: Who Requires Refills and for How Long? American Shoulder and Elbow Surgeons Society (ASES) Annual Meeting, December 15-17, 2021 (Poster Presentation)
304. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression and Anxiety in CMC Arthroplasty. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Podium Presentation)
305. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression, Anxiety, and ADHD in Carpal Tunnel Release. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Podium Presentation)
306. Spencer CC, Runge W, Hurt J, Dawes AM, Toston RJ, **Wagner ER**, Gottschalk MB. Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Podium Presentation)
307. Smearman E, Dawes AM, Hurt JT, McGinley B, Toston R, **Wagner ER**, Gottschalk M. Common Hand Pathologies and Sleep: Investigating the Correlation of Preoperatively Recorded Sleep Disturbance Scores with Ratings of Pain, Quality of Life, and Functional Status. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)

308. Toston RJ, Hurt JT, Dawes AM, Graf A, **Wagner ER**, Gottschalk MB. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
309. McGinley B, Hurt JT, Toston RJ, Dawes AM, Gottschalk MB, **Wagner ER**. Thumb Carpometacarpal Arthroscopy: A Systematic Review of these Novel Techniques. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
310. Siracuse B, Dawes AM, Spencer CC, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Opioid Prescribing Practices after Thumb Carpometacarpal Arthroplasty: patterns, trends, and risk factors for additional refills. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
311. Farley KX, Wilson J, Dawes AM, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Racial Disparities in the Utilization of Shoulder Arthroplasty in the United States, Trends from 2011 to 2017. Farley K, Wilson J, Dawes, Toston R, Hurt J, Gottschalk M, Wagner E. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
312. Hurt JT, Graf A, Dawes AM, Toston RJ, Gottschalk MB, **Wagner ER**. Winter Sport Musculoskeletal Injuries: Epidemiology and Factors Predicting Hospital Admission. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
313. McGinley B, Whittingslow D, Ghareeb P, Lamplot J, Bowers RL, Daly CA, **Wagner ER**, Gottschalk MB. Quantifying Patient Sentiment of Treatments for Lateral Elbow Tendinopathy. American Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
314. McGinley B, Whittingslow D, Smearman E, Omole O, Cuneo K, Xiao AX, Dawes AM, Hurt JT, Gottschalk MB, **Wagner ER**. Longitudinal Assessment of Single Assessment Numeric Evaluation in Shoulder Arthroplasty. Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
315. Jamnik AA, Chacon J, Xiao AX, **Wagner ER**, Gottschalk MB. The Effect Immobilization Mechanisms Have on Radiographic Outcomes and Complication Rates in the Conservative Treatment of Distal Radius Fractures: A Systematic Review. Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)
316. McGinley B, Smearman E, Whittingslow D, Omole O, Cuneo K, Xiao AX, Dawes AM, Hurt JT, Gottschalk MB, **Wagner ER**. Changes in Single Assessment Numeric Evaluation Over Time in Hand Surgery. Association for Hand Surgery (AAHS) Annual Meeting, Carlsbad, CA January 11-15, 2022 (Poster Presentation)

317. Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Opioid Prescribing Practices after Thumb Carpometacarpal Arthroplasty: Patterns, trends, and risk factors for additional refills. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Podium Presentation)
318. Dawes AM, Toston RJ, Karzon AL, Ojimakinde AA, , Gottschalk MB, **Wagner ER**. Preoperative Chronic Anticoagulation Use Prior to Total Shoulder Arthroplasty Leads to Increased Complications: A Comparison of DOACs, Warfarin & Enoxaparin. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Podium Presentation)
319. Farley KX, Wilson JM, Hurt JT, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Racial Disparities in the Utilization of Shoulder Arthroplasty in the United States, Trends from 2011 to 2017. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Podium Presentation)
320. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. The Use of the Agee Digit Widget (Continuous Extension Technique) for Extreme Dupuytren's Contracture. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation).
321. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Arthroscopic Capsular Release for Adhesive Capsulitis. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
322. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Total Wrist Arthroplasty. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
323. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Recalcitrant Posterior Elbow Wound and the Use of a Pedicled Anconeus Flap: The Quick Fix. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
324. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Scapulothoracic Bursectomy. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
325. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Arthroscopic Pectoralis Minor Tenotomy with Open Quadrilateral Space Decompression for the Treatment of Shoulder Pain and Scapular Dyskinesia. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)

326. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Customized Osteotomy of the Radius and Ulna for Longstanding Deformity: The Cutting Edge. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
327. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Glenoid Bone Grafting in Primary Reverse Total Shoulder Arthroplasty. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
328. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Partial Wrist Denervation for Central Wrist Arthritis: What have you got to lose? Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
329. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Recalcitrant Posterior Elbow Wounds and The Use of Pedicled Anconeus Flap: The Quick Fix. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
330. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Split Pectoralis Major Transfer for Serratus Paralysis: Changing the Paradigm of Scapular Winging. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
331. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Isolated Suture Tension Band for Olecranon Fracture ORIF. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
332. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Proximal Interphalangeal Joint Hemiarthroplasty with Pyrocarbon Implant. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
333. Karzon A, Dawes A, Toston R, Gottschalk MB, **Wagner ER**. Revision Total Elbow Arthroplasty: Allograft-Prosthetic Composite with Triceps Reconstruction. Annual American Academy of Orthopedic Surgeons (AAOS) Annual Meeting. Chicago, IL, March 22-26, 2022. (Video Presentation)
334. Spencer CC, Siracuse BL, Dawes AM, Toston RJ, Karzon AL, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Postoperative Pain Control After CMC Arthroplasty: How many opioids is too many? International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
335. Spencer CC, Runge W, Hurt JT, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release? International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)

336. Runge W, Broggi M, Hurt JT, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Prolonged Opioid Use After Surgery for Distal Radius Fracture: Who is at risk? International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
337. Karzon AL, Whittingslow D, Hurt JT, Dawes AM, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Quantifying Patient Sentiment of Treatments for Lateral Elbow Tendinopathy. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
338. Karzon AL, Farley KX, Wilson JM, Hurt JT, Dawes AM, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Racial Disparities in the Utilization of Shoulder Arthroplasty in the United States, Trends from 2011 to 2017. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
339. Massin V, Dawes A, Karzon AL, Gottschalk MB, **Wagner ER**, Werthel JD. Current Practices in the management of anterior glenohumeral instability A Tale Across Waters: France vs the United State. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
340. Spencer CC, Pflederer JA, Wilson JM, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who requires refills and for how long? International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
341. Hurt JT, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Thumb Carpometacarpal Arthroscopy: A Systematic Review of These Novel Techniques. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
342. Hurt JT, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Graf AR, Gottschalk MB, **Wagner ER**. Winter Sport Musculoskeletal Injuries: Epidemiology and Factors Predicting Hospital Admission. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
343. Toston RJ, Graf AR, Dawes AM, Farley KX, Hurt JT, Karzon A, Ojimakinde A, Gottschalk MB, **Wagner ER**. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. International Federation of Societies for Surgeries of the Hand (IFSSH) Meeting, London UK. June 6-10, 2022. (Podium Presentation)
344. Toston RJ, Graf AR, Dawes AM, Farley KX, Hurt JT, Karzon A, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. American Orthopedic Association (AOA) Annual Meeting, June 14-18, 2022. (Poster Presentation)

345. Spencer CC, Pflederer JA, Wilson JM, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who requires refills and for how long? American Orthopedic Association (AOA) Annual Meeting, June 14-18, 2022. (Poster Presentation)
346. Hurt JT, Dawes AM, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Preoperative Metformin Not the Blame for Increased Complications After Rotator Cuff Repair in Diabetic Population. Meeting: 2022 American Orthopedics Society for Sports Medicine (AOSSM). Colorado Springs, CO, July 13-17, 2022. (Podium Presentation)
347. Ahmed AS, Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Trends in Surgical Stabilization of Glenohumeral Instability in the United States from 2009 to 2018: Rise of the Latarjet and Fall of the Open Bankart. Meeting: 2022 American Orthopedics Society for Sports Medicine (AOSSM). Colorado Springs, CO, July 13-17, 2022. (Podium Presentation)
348. Xiao A, McGinley B, Dawes AM, Karzon AL, Gottschalk MB, **Wagner ER**. Using Dynamic Digital Radiography to Measure Variation in Scapulohumeral Rhythm of Pathologic Shoulders. Meeting: 2022 American Orthopedics Society for Sports Medicine (AOSSM). Colorado Springs, CO, July 13-17, 2022. (Poster Presentation)
349. Xiao A, McGinley B, Dawes AM, Karzon AL, Gottschalk MB, **Wagner ER**. Using Dynamic Digital Radiography to Measure Variation in Scapulohumeral Rhythm of Pathologic Shoulders. Meeting: 2022 American Orthopedics Society for Sports Medicine (AOSSM). Colorado Springs, CO, July 13-17, 2022. (Poster Presentation)
350. Toston JR, Dawes AM, Hurt JT, Graf AR, Karzon AL, Gottschalk MB, **Wagner ER**. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting. Dublin, Ireland, September 7-9, 2022. (Poster Presentation)
351. McGinley B, Xiao A, Wham RM, Ahmed AS, Dawes A, Hurt JT, Gottschalk MB, **Wagner ER**. Variation In Scapulohumeral Rhythm Of Pathologic Shoulders On Dynamic Imaging: A Novel Diagnostic Tool. European Society for Surgery of the Shoulder and Elbow (SECEC) Annual Meeting. Dublin, Ireland, September 7-9, 2022. (Podium Presentation)
352. Runge W, Gottschalk MB, Suh N **Wagner ER**. Development of a Machine Learning-Based iPhone App to Identify Volar Locking Plates on Plain Films. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Podium Presentation)
353. Khawaja S, McGinley B, Xiao A, Wham RM, Ahmed AS, Dawes A, Hurt JT, Gottschalk MB, **Wagner ER**. Variation In Scapulohumeral Rhythm Of Pathologic Shoulders On Dynamic Imaging: A Novel Diagnostic Tool. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Podium Presentation)

354. Dawes AM, Karzon AL, Toston RJ, Gottschalk MB, **Wagner ER**. Geographic variability in the treatment of anterior glenohumeral instability: A binational Analysis. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
355. Karzon AL, Manz W, Gottschalk, MB, **Wagner ER**. Comparing Incidence Trends in CMC Arthroplasty, Arthrodesis, and Arthroscopy for the management of Carpometacarpal Arthritis: CMC Arthroplasty continues to rise. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
356. Karzon AL, Smearman E, Gottschalk, MB, **Wagner ER**. Comparing Incidence Trends of PIP Arthrodesis versus PIP Arthroplasty between 2009 and 2019. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
357. Karzon AL, Bashey ZH, Smearman E, Gottschalk, MB, **Wagner ER**. Comparing Incidence Trends of MCP Arthrodesis versus MCP Arthroplasty between 2009 and 2019. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
358. Karzon AL, Gottschalk, MB, **Wagner ER**. Comparing Incidence Trends of Arthroscopic versus Open TFCC repairs between 2009 and 2019. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
359. Karzon AL, Gottschalk, MB, **Wagner ER**. Comparing Incidence Trends of Total Wrist Arthrodesis versus Total Wrist Arthroplasty between 2009 and 2019. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
360. Ojimakinde AA, Karzon AL, Dawes AM, Toston RJ, Gottschalk MB, **Wagner ER**. Comparing Incidence Trends in Isolated Biceps Tenodesis vs. Biceps Tenodesis with Rotator Cuff Repair in the Last Decade. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
361. Dawes AM, Graf AR, Karzon AL, Toston RJ, Gottschalk, MB, **Wagner ER**. Preoperative Chronic Anticoagulation Use Prior to Total Shoulder Arthroplasty Leads to Increased Complications: A Comparison of DOACs, Warfarin & Enoxaparin. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
362. McGinley B, Xiao A, Wham RM, Ahmed AS, Dawes A, Hurt JT, Gottschalk MB, **Wagner ER**. Using Dynamic Digital Radiography to Measure Variations in Scapulohumeral Rhythm of Shoulders with Adhesive Capsulitis. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)

363. McGinley B, Xiao A, Khawaka S, Ahmed AS, Dawes A, Gottschalk MB, **Wagner ER**. Dynamic Radiographic Evaluation of Scapulohumeral Rhythm in Patients with Massive vs Small Rotator Cuff Tears. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
364. McGinley B, Xiao A, Khawaka S, Ahmed AS, Dawes A, Gottschalk MB, **Wagner ER**. Joint Salvage vs Joint Replacement: Dynamic Radiographic Evaluation of Lower Trapezius Transfer and Reverse Shoulder Arthroplasty in the Treatment of Massive Rotator Cuff Tear. American Society of Surgery for the Hand (ASSH) Annual Meeting. Boston, MA, September 29-October 1, 2022. (Poster Presentation)
365. Hussain ZB, Khawaja SR, Sabol JM, Yamamura T, Xiao AX, Karzon AL, Gottschalk MB, **Wagner ER**. Artificial Intelligence Automated Analysis of Scapula Dynamics using Dynamic Digital Radiography: An Initial Reliability Study. Orthopaedic Research and Education Foundation 2022 National Resident Research Symposium. Nov 2022
366. Khawaja SR, Hussain ZB, Karzon A, Sabol J, Xiao A, Yamamura T, Gottschalk M, **Wagner ER**. "Artificial intelligence automated analysis of scapula dynamics using dynamic digital radiography: Initial reliability study". American Association for Hand Surgery Annual Meeting 2023; January 17-21 2023; Miami, FL (Podium Presentation)
367. Gabig A, Ojemakinde AA, Karzon A, Cooke H, Graf A, Ahmed A, Gottschalk MB, **Wagner ER**. Comparing Isolated Open and Arthroscopic Biceps Tenodesis to Isolated Biceps Tenotomy: US National Case Volume and Incidence Trends from 2010 to 2019. AAHS '23. Miami, Florida. Jan 17 2023. (Poster presentation)
368. Karzon A, Smearman E, Gabig, A Cooke H, Gottschalk MB, **Wagner ER**. Trends of PIP joint arthroplasty and arthrodesis usage in the U.S. from 2009 to 2019. AAHS '23. Miami, Florida. Jan 17 2023. (Poster presentation)
369. Okemakinde A., Cuneo K., Graf A., Dawes A., Karzon A., Toston R., Gabig A., Cooke H., **Wagner ER**, Gottschalk MB. The Surgical Treatment of Proximal Humerus Fractures 2010-2019: US National Case Volume and Incidence Trends. American Academy of Orthopedic Surgeons. Las Vegas, Nevada. Mar 7-11 2023. (Poster presentation)
370. Gabig A, Karzon A, Cooke H, Michael B. Gottschalk, **Wagner ER**. Arthroscopic Technique for Volar and Dorsal Ganglion Excision. American Academy of Orthopedic Surgeons. Las Vegas, Nevada. Mar 7-11 2023 (Video Presentation)
371. Gabig A, Karzon A, Cooke H, Michael B. Gottschalk, **Wagner ER**. A Templating Tutorial and Revision Arthroplasty with humeral Allograft-Prosthetic-Composite in the Setting of Severe Bone Loss. American Academy of Orthopedic Surgeons. Las Vegas, Nevada. Mar 7-11 2023. (Video Presentation)
372. Hussain ZB, Khawaja SR, Karzon AL, Stewart T, Cooke HL, Gottschalk MB., **Wagner ER**. Scapulohumeral rhythm changes in serratus palsy and scapular dyskinesis: A matched,

- controlled dynamic radiography study. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 29 2023 (Podium presentation)
373. Hussain ZB, Khawaja SR, Sabol JM, Yamamura T, Xiao AX, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. Artificial intelligence automated analysis of scapula dynamics using dynamic digital radiography: A validation and reliability study. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 29 2023 (Podium presentation)
374. Hussain ZB, Gabig A, Karzon AL, Cooke HL, Graf A, Gottschalk MB, **Wagner ER**. The Growth of Total Shoulder Arthroplasty in the United States 2010-2019: Past Trends and Future Directions. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 30 2023 (Podium presentation)
375. Hussain ZB, Khawaja SR, Xiao AX, McGinley B, Karzon AL, Ahmed AS, Cooke HL, Gottschalk MB, **Wagner ER**. Quantitative changes in Scapulohumeral rhythm in adhesive capsulitis – A matched, controlled study using Dynamic Digital Radiography. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 30 2023 (Podium presentation)
376. Hussain ZB, Cooke HL, Gabig A, Karzon AL, Khawaja SR, Gottschalk MB, **Wagner ER**. Is Reverse Total Shoulder Arthroplasty for Fracture replacing Open Reduction Internal Fixation in the elderly? British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 29 2023. (Podium presentation)
377. **Wagner ER**, Hussain ZB, Karzon AL, Cooke HL, Toston R, Hurt J, Ojemakinde A, Dawes A, Gabig A, Khawaja SR, Gottschalk MB. Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomised Controlled Trial. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 30 2023 (Podium presentation)
378. Hussain ZB, Roundy R, Gabig A, Khawaja SR, Cooke HL, Karzon AL, Savani U, Gottschalk MB, **Wagner ER**. Learning Curve of Bony Increased-Offset Reverse Shoulder Arthroplasty. British Elbow and Shoulder Society (BESS) Annual Meeting. Newport, Wales, United Kingdom, Jun 30 2023. (Podium presentation)
379. Ahmed A, Gabig A, Karzon A, Cooke H, Gottschalk MB, Lamplot JD, **Wagner ER**. Trends and Projections in Surgical Stabilization of Glenohumeral Instability in the United States from 2009 to 2030: Rise of the Latarjet and Fall of the Open Bankart. American Orthopaedic Society for Sports Medicine. Washington, D.C. Jul 15 2023. (Poster presentation)
380. Karzon AL, Hussain ZB, Cooke HL, Hurt JT, Toston RJ, Dawes A, Gottschalk MB, **Wagner ER**. Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Podium presentation)

381. Hussain ZB, Khawaja SR, Sabol JM, Yamamura T, Xiao AX, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. Artificial Intelligence Automated Analysis of Scapula Dynamics using Dynamic Digital Radiography: A Validation and Reliability Study. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Podium presentation)
382. Gabig AM, Karzon AL, Cooke HL, Graf A, **Wagner ER**. The Growth of Total Shoulder Arthroplasty 2010-2019: Past Trends and Future Directions. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
383. Cooke HL, Gabig Am, Karzon AL., Hussain ZB, Khawaja SR, **Wagner ER**, Gottschalk, MB. Trends in the Surgical Treatment of Proximal Humerus Fractures 2010-2019: Is TSA replacing ORIF in the elderly population? International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
384. Ahmed A, Gabig AM, Dawes A, Karzon AL, Cooke HL, Hussain ZB, Khawaja SR, **Wagner ER**, Gottschalk MB. Trends and Projections in Surgical Stabilization of Glenohumeral Instability in the United States from 2009 to 2030: Rise of the Latarjet and Fall of the Open Bankart. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
385. Hussain ZB, Khawaja SR, Karzon AL, Cooke HL, Stewart T, Gottschalk MB, **Wagner ER**. Quantitative changes in scapulohumeral rhythm in serratus anterior palsy and scapular dyskinesia - A matched, controlled study using Dynamic Radiography. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
386. Hussain ZB, Xiao AA, Khawaja SR, Karzon AL, McGinley B, Ahmed AS, Cooke HL, Gottschalk MB, **Wagner ER**. Quantitative changes in scapulohumeral rhythm in adhesive capsulitis – A matched, controlled study using digital dynamic radiography. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
387. Roundy R, Gabig AM, Khawaja SR, Cooke HL, Karzon AL, Savani U, Hussain ZB, Gottschalk MB, **Wagner ER**. Learning Curve of Bony Increased-Offset Reverse Shoulder Arthroplasty. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
388. Roundy R, Gabig AM, Khawaja SR, Cooke HL, Karzon AL, Savani U, Hussain ZB, Gottschalk MB, **Wagner ER**. Bony Increased-Offset Reverse Shoulder Arthroplasty For Extreme Glenoid Wear. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
389. Gabig AM, Karzon AL, Cooke HL, Hussain ZB, Khawaja SR, Gottschalk MB, **Wagner ER**. Trends in indications for total shoulder arthroplasty in the United States: 2010-2018: A retrospective population-based study. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)

390. Xiao A, McGinley B, Karzon AL, Hussain ZB, Khawaja SR, Cooke HL, Gottschalk MB, **Wagner ER**. Massive rotator cuff tears demonstrate significantly altered scapulohumeral rhythm when compared to small tears using dynamic radiography: A matched, controlled study. International Congress on Shoulder and Elbow Surgery. Rome, Italy. Sept 5th, 2023. (Poster presentation)
391. Xiao A, Karzon AL, Hussain ZB, Khawaja SR, McGinley BM, Ahmed AS, Cooke H, Gottschalk MB, **Wagner ER**. Variations in Scapulohumeral Rhythm of Pathologic Shoulders on Dynamic Radiography: A Novel Diagnostic Tool. Rome, Italy. Sept 5th, 2023. (Poster presentation)
392. Hussain ZB, Karzon AL, Cooke HL, Toston R, Hurt J, Ojimakinde A, Dawes A, Khawaja SR, Gabig A, Gottschalk MB, **Wagner ER**. Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomized Controlled Trial. Georgia Orthopaedic Society Annual Meeting 2023. Sea Island, GA. Sept 2023 (Podium Presentation)
393. Hussain ZB, Khawaja SR, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. Scapulohumeral rhythm changes in serratus palsy and scapular dyskinesis. American Society for Surgery of the Hand. Toronto, Canada. 5-7 Oct 2023 (Poster Presentation)
394. Bony Increased Offset-Reverse Shoulder Arthroplasty (BIO-RSA) for Glenoid Walch C. Khawaja SR, Roundy R, Hussain ZB, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. American Society for Surgery of the Hand. Toronto, Ontario. 5-7 Oct 2023. (Podium Presentation)
395. Management of chronic elbow fracture dislocation – with open reduction, placement of internal joint stabilizer, and ligamentous repair. Hussain ZB, Young BL, Karzon AK, Cooke HL, **Wagner ER**, Gottschalk MB. American Society for Surgery of the Hand. Toronto, Ontario. 5-7 Oct 2023. (Podium Presentation)
396. Kopriva JM, Karzon AL, Hussain ZB, Cooke HL, Gottschalk MB, **Wagner ER**. Trends in Surgical Management of Advanced Wrist Arthritis: 2009-2019. American Society for Surgery of the Hand. Toronto, Canada. 5-7 Oct 2023 (Poster Presentation)
397. Hussain ZB, Karzon AL, Khawaja SR, Cooke HL, Gottschalk MB, **Wagner ER**. Massive rotator cuff tears alter scapulohumeral rhythm using dynamic radiography. American Society for Surgery of the Hand. Toronto, Canada. 5-7 Oct 2023 (Poster Presentation)
398. **Wagner ER**, Karzon AL, Hussain ZB, Cooke HL, Gabig AM, Gottschalk MB. Methylprednisolone Taper Reduces Acute Pain and Opioid Consumption After TSA. American Society for Surgery of the Hand. Toronto, Canada. 5-7 Oct 2023 (Poster Presentation)
399. Schaeffer C, Chambers SB, Cooke HL, Gottschalk MB, **Wagner ER**. Arthroscopic Approach to Scaphoid Delayed Union. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)

400. Chambers SB, Cooke HL, Schaeffer C, Karzon A, Gottschalk MB, **Wagner ER**. Arthroscopic Suture Anchor Based Scapholunate Ligament Repair Technique. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
401. Chambers SB, Cooke HL, Schaeffer C, Karzon A, Gottschalk MB, **Wagner ER**. Arthroscopic Fixation of Scaphoid Fractures. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation).
402. Chambers SB, Cooke HL, Schaeffer C, Karzon A, Gottschalk MB, **Wagner ER**. Arthroscopic Suture Based Scapholunate Capsuloligamentous Repair Technique. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
403. Hussain ZB, Young B, Karzon B, Cooke HL, **Wagner ER**, Gottschalk MB. Management of chronic elbow fracture dislocation – with open reduction, placement of internal joint stabilizer, and ligamentous repair. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
404. Chambers SB, Cooke HL, Gabig A, Schaeffer C, Karzon A, Gottschalk MB, **Wagner ER**. Arthroscopic Technique for Volar and Dorsal Ganglion Excision. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
405. Chambers SB, Cooke HL, Schaeffer C, Karzon A, Gottschalk MB, **Wagner ER**. Arthroscopic Assisted Intraarticular Distal Radius Fracture Open Reduction with Internal Fixation. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
406. Khawaja S, Roundy R, Hussain ZB, Karzon A, Cooke HL, Gottschalk MB, Wagner ER. Bony Increased Offset-Reverse Shoulder Arthroplasty (BIO-RSA) for glenoid Walch C. Hand.e theater at American Society for Surgery of the Hand. Toronto, Canada. Oct 2023. (Video Presentation)
407. Kopriva JM, McKissack HM, Griswold BG, Hussain ZB (presenter), Cooke HL, Gottschalk MB; **Wagner ER**. Mixed-Reality Improves Execution of Templated Glenoid Component Positioning in Shoulder Arthroplasty: A CT Imaging Analysis. Critical Concepts in Shoulder & Elbow Surgery - Top 5 Poster award. Las Vegas, NV, Nov 2023.
408. Dabol JM, Hussain ZB, Khawaja SR, Yamamura T, Xiao A, Karzon A, Gottschalk MB, **Wagner ER**. Analysis of Shoulder Kinematics and Determination of Scapulohumeral Rhythm Using a Machine Learning Algorithm and Dynamic Digital Radiography Images Presented at the 109th Scientific Assembly of the Radiological Society of North America, Chicago IL, November 2023. (Podium Presentation)
409. Sabol J, Hussain ZM, Khawaja, SR Xiao A, Gottschalk MB, **Wagner ER**. Analysis of Shoulder Kinematics and Determination of Scapulohumeral Rhythm Using a Machine Learning

Algorithm and Dynamic Digital Radiography Images. Radiology Society of North America Annual Meeting 2023. Chicago, IL. Nov 2023 (Podium Presentation)

410. Worden J, McKissack HM, Cooke HL, Karzon AL, Gottschalk MB, **Wagner ER**. Comparing the Leading Surgical Indications for Total Elbow Arthroplasty: National Trends in Case Volumes and Demographic Incidences From 2010-2018. American Association for Hand Surgery, Naussau, Bahamas, Jan 11, 2024. (Podium Presentation)
411. Kopriva JM, Karzon AL, Khawaja SR, Cooke HL, Gottschalk MB, Wagner ER. A Changing Landscape in the Surgical Management of Wrist Arthritis: An Analysis of National Trends from 2009-2019. American Association for Hand Surgery, Naussau, Bahamas, Jan 9-13, 2024 (Poster Presentation)
412. Khawaja SR, Roundy RR, Cooke HL, Karzon AL, Savani U, Hussain ZB, McKissack HM, Gottschalk MB, **Wagner ER**. Outcomes of Bony Increased-Offset Reverse Shoulder Arthroplasty for Severe Glenoid Dysplasia. American Association for Hand Surgery, Naussau, Bahamas, Jan 9-13, 2024 (Poster Presentation)
413. Kopriva J, McKissack HM, Hussain ZB, Griswold BG, Cooke HL, Gulzar M, Chopra K, Gottschalk MB; **Wagner ER**. Mixed-Reality Improves Execution Of Templated Glenoid Component Positioning In Shoulder Arthroplasty: A CT Imaging Analysis. Orthopaedic Research Society, Long Beach, CA Feb 5, 2024 (Podium presentation)
414. Gulzar M, McKissack HM, Cooke HL, Khawaja SR, Chopra K, Gottschalk MB; **Wagner ER**. Outcomes After Arthroscopic-Assisted Lower Trapezius Tendon Transfer And Superior Capsular Reconstruction For Massive Irreparable Rotator Cuff Tears. Orthopaedic Research Society, Long Beach, CA Feb 2-6, 2024. (Poster Presentation)
415. Cuneo K, Worden JA, Cooke HL, McKissack HM, Gulzar M, Chopra KN, Gottschalk MB, **Wagner ER**. Surgical Indications For Total Elbow Arthroplasty: National Trends In Case Volumes And Demographic Incidences From 2010-2018. Orthopaedic Research Society, Long Beach, CA Feb 2-6, 2024. (Poster presentation)
416. Gulzar M, Cooke HL, Chopra KN, Worden J, Cuneo K, Karzon A, Gottschalk MB, **Wagner ER**. The Preoperative Diagnosis And Management Of Cubital Tunnel: Assessing Variance In Costs And Utilization Trends. Orthopaedic Research Society, Long Beach, CA Feb 2-6, 2024. (Poster Presentation)
417. Karzon AL, Hussain ZB, Cooke HL, Hurt JT, Toston RJ, Dawes A, Gottschalk MB, **Wagner ER**. Methylprednisone Taper Reduces Acute Pain and Opioid Consumption after TSA. American Academy of Orthopaedic Surgeons, San Francisco, California, Feb 13, 2024 (Podium presentation)
418. Khawaja SR, Kopriva J, Hussain ZB, Cooke HL, Gottschalk MB, **Wagner ER**. Pectoralis Major Transfer for Serratus Anterior Palsy due to Long Thoracic Nerve Dysfunction. American

Academy of Orthopaedic Surgeons (AAOS) Annual Meeting 2024 OrthoDome - Live technique video narration. San Francisco, CA. 14th February 2024 (Live Presentation)

419. Cuneo K, Sullivan C, Kopriva J, Cooke HL, **Wagner ER**, Gottschalk MB. Scapular Spine Fracture Fixation Using Pre-Countoured Distal Clavicle Plate. OVT at American Academy of Orthopedic Surgeons. San Francisco, California. Feb 12-16 2024. (Video Presentation)
420. Sullivan C, Cuneo K, Kopriva J, Cooke HL, **Wagner ER**, Gottschalk MB. Arthroscopic Elbow Osteocapsular Debridement Plus Single-Incision Cubital Tunnel and Posterior Capule Release. OVT at American Academy of Orthopedic Surgeons. San Francisco, California. Feb 12-16 2024. (Video Presentation)
421. Dempsey AL, Cooke HL, Gulzar M, Chopra KN, Hussain ZB, Taub SM, Gottschalk MB, Ghareeb PA, Suh N, **Wagner ER**. Is excision more painful than incision of A1 Pulley for Trigger Finger? Early results of a randomized controlled trial. Combined ASSH and AHSS Conference, Maui, Hawaii, May 3, 2024. (Podium Presentation)
422. McKissack H, Cooke HL, Gulzar M, Khawaja SR, Chopra KN, Gottschalk MB, **Wagner ER**. Comparing Outcomes Between Arthroscopic-Assisted Lower Trapezius Tendon Transfer and Superior Capsular Reconstruction for Massive Irreparable Rotator Cuff Tears. AOSSM. Denver, Colorado. July 12 2024. (Podium Presentation)
423. Gorsky A, Gulzar M, McQuillan TJ, Cooke HL, Chopra KN, **Wagner ER**, Gottschalk MB. Arthroscopic assisted lunotriquetral reconstruction with extensor carpi ulnaris autograft. Hand.e theater at American Society for Surgery of the Hand. Minneapolis, Minnesota. Sept 2024. (Video Presentation)
424. Chambers SB, Cooke HL, Gulzar M, Chopra KN, Gorsky AL, Gottschalk MB, Suh N, **Wagner ER**. Arthroscopic Hemi-Trapeziectomy and Interposition Grafting for the Treatment of Early First Carpometacarpal Joint Arthritis. Hand.e theater at American Society for Surgery of the Hand. Minneapolis, Minnesota. Sept 2024. (Video Presentation)
425. Chambers SB, Cooke HL, Gulzar M, Chopra KN, Khawaja SR, Gottschalk MB, **Wagner ER**. Arthroscopic Assisted Intraarticular Distal Radius Malunion Correction. Hand.e theater at American Society for Surgery of the Hand. Minneapolis, Minnesota. Sept 2024. (Video Presentation)
426. Chambers SB, Cooke HL, Gulzar M, Chopra KN, Khawaja SR, Gottschalk MB, **Wagner ER**. 360° Combined Volar and Dorsal Arthroscopic Repair of Complete Lunotriquetral Ligament Injuries. Hand.e theater at American Society for Surgery of the Hand. Minneapolis, Minnesota. Sept 2024. (Video Presentation)
- 427.

REGIONAL PRESENTATIONS

1. Angeline M, Spiguel A, **Wagner ER**, Rastegar F, Terry M, He TC, Haydon R. (2010) PRP and BMP-13 augment rotator cuff repair. Mid-America Orthopaedic Association annual meeting, April 22, 2010.
2. **Wagner ER**, Elhassan BT. (2013). Factors Associated with Functional Recovery of Obstetric Brachial Plexus Injuries. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 18, 2013
3. **Wagner ER**, Wilke BK, Trousdale RT. (2013). Long-term Outcomes of the Fixed-Bearing TC III Revision Total Knee Arthroplasty. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 18, 2013
4. **Wagner ER**, Elhassan BT. (2013). Long-term Outcomes of Modified Eden-Lange Tendon Transfer for Symptomatic Paralysis from Spinal Accessory Nerve. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 18, 2013.
5. **Wagner ER**, Elhassan BT. (2013). Contralateral Trapezius Transfer in Patients with Brachial Plexus Injuries to Restore Shoulder Function. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 18, 2013
6. **Wagner ER**, Elhassan BT. (2013). Autograft Glenoid Reconstruction Combined with Tendon Transfers for Older Patients with Obstetric Brachial Plexus injuries. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 20, 2013
7. Bravo D, **Wagner ER**, Yaszemski MJ, Maran A. Wnt Antagonists in Osteosarcoma Patients. Poster Presentation at American Society of Clinical Oncology Annual Conference, Chicago, IL, May 31- June 4, 2013.
8. **Wagner ER**, Elhassan BT. (2013). Enhanced Bone to Bone Healing via Pectoralis Major Transfer with its Bony Insertion to Stabilize Symptomatic Scapular Winging. Podium Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 20, 2013
9. Wilke BK, **Wagner ER**, Trousdale RT. (2013). Outcomes of the Rotating Platform TC III Revision Total Knee Arthroplasty System. Poster Presentation at the Mid America Orthopaedic Association Annual Meeting in Amelia Island, FL, April 18-22, 2013
10. Van Demark R, **Wagner ER**, Moran SL, Rizzo M (2014). Analysis of Intraoperative Periprosthetic Fractures in PIP Arthroplasty. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.

11. **Wagner ER**, Van Demark R, Moran SL, Rizzo M (2014). Risks and Early Outcomes Associated with Intraoperative Periprosthetic Fractures in MCP Arthroplasty. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
12. **Wagner ER**, Bravo D, Elhassan BT, Moran SL (2014). Maximizing Long-term Outcomes in Proximal Row Carpectomy. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
13. **Wagner ER**, Elhassan BT, Kakar S (2014). Long-term Outcomes of Bilateral Total Wrist Arthrodesis. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
14. **Wagner ER**, Kamath A, Harmsen WS, Fruth K, Berry DJ (2014). Total Hip Arthroplasty Survival Stratified according to BMI. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
15. **Wagner ER**, Griffith T, Houdek MT, Cofield R, Sanchez-Sotelo J, Sperling J (2014). Revision Total Shoulder Arthroplasty Requiring Glenoid Bone Grafting. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
16. **Wagner ER**, Chase S, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S (2014). MSC Engineering and Biologic Enhancement of Ligament and Tendon Differentiation using a Novel Polymer Scaffold. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014
17. **Wagner ER**, Houdek MT, Cofield R, Sanchez-Sotelo J, Sperling J (2014). Intraoperative Periprosthetic Fractures in Revision Reverse Shoulder Arthroplasty: 132 consecutive cases. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014
18. **Wagner ER**, Elhassan BT (2014). Pectoralis Major Transfer with its Bony Insertion Stabilizes Scapular Winging via Enhanced Bone-Bone Healing. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014
19. **Wagner ER**, Sarfani S, Kakar S (2013). An Analysis of Soft Tissue Interposition Arthroplasty for Distal Radioulnar Instability. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014
20. Watts C, **Wagner ER**, Houdek MT, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity: A Significant Risk Factor for Failure of Two-Stage Revision TKA for Infection. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.

21. Houdek MT, **Wagner ER**, Watts C, Osmon D, Hanssen A, Lewallen DG, Mabry T. (2014). Morbid Obesity Increases the Risk for Implant Failure in Septic Revision Total Hip Arthroplasty. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014
22. Born T, **Wagner ER**, Kakar S. Comparison of open drainage vs closed catheter irrigation for treatment of purulent flexor tenosynovitis. Podium Presentation at the 2014 Mid America Orthopaedic Association Annual Conference (MAOA), San Antonio, TX, April 24-27, 2014.
23. **Wagner ER**, Bravo D, Moran SL, Elhassan BT. An Analysis of Capitate and Lunate Morphology to Predict Long-term Outcomes in Proximal Row Carpectomy. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015.
24. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Pyrocarbon in Proximal Interphalangeal Arthroplasty; a longitudinal analysis of 193 cases. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
25. **Wagner ER**, Houdek MT, Moran SL, Rizzo M. Revision Metacarpophalangeal Arthroplasty; 128 consecutive cases. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
26. **Wagner ER**, Luo H, Houdek MT, Moran SL, Rizzo M. An Outcome Analysis of 75 Consecutive Cases of Revision Proximal Interphalangeal Arthroplasty. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
27. **Wagner ER**, Bishop AT, Shin AY. Venous Bridge Arterial Grafting for Thumb Replantation. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
28. **Wagner ER**, Bravo D, Dadsetan M, Yaszemski MJ, Kakar S. PCLF as a Backbone for Chondrocyte Attachment and Proliferation Augmented by Platelet Lysate. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
29. **Wagner ER**, Schleck C, Harmsen WS, Berry DJ. Quantifying Survival and Complications After Total Knee Arthroplasty as a Function of Body Mass Index. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
30. **Wagner ER**, Schleck C, Harmsen WS, Berry DJ. Total Hip Arthroplasty Survival and Complications as a Function of Age. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015

31. **Wagner ER**, Houdek MT, Schleck C, Harmsen WS, Cofield RH, Elhassan BT, Sperling JW. Quantifying Survival and Complications in Shoulder Arthroplasty as a Function of Age. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
32. **Wagner ER**, Houdek MT, Schleck C, Harmsen WS, Cofield RH, Sperling JW, Elhassan BT. Body Mass Index as a Continuous Variable in Shoulder Arthroplasty. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
33. **Wagner ER**, Van Veen S, Stafford J, Kremers H, Cofield RH, Sperling JW. Costs Analysis of Total Shoulder Arthroplasty: Comparison of Primary and Aseptic Revision Arthroplasty. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
34. **Wagner ER**, Sarfani S, Cofield RH, Sperling JW, Sanchez-Sotelo J, Elhassan BT. Long-Term Outcomes of Glenohumeral Arthrodesis. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015
35. **Wagner ER**, Houdek MT, Elhassan BT, Sanchez-Sotelo J, Cofield RH, Sperling JW. Cement-within-Cement Humeral Fixation in Revision Reverse Shoulder Arthroplasty. Podium Presentation at the 2015 Mid-America Orthopaedic Association (MAOA) Annual Meeting, Hiltonhead, SC, April 23-25, 2015.
36. **Wagner ER**, Werthel JD, Elhassan BE, Moran SL. Proximal Row Carpectomy and Four Corner Fusion in Patients Under 45 Years Old. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
37. **Wagner ER**, Houdek MT, Crowe M, Elhassan BT, Sanchez-Sotelo J, Cofield R, Sperling JW. Outcomes of the Reverse Prosthesis in Revision Shoulder Arthroplasty. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
38. **Wagner ER**, Houdek MT, Crowe M, Elhassan BT, Sanchez-Sotelo J, Cofield R, Sperling JW. Does Using a Shorter Humeral Stem Influence Outcome in Revision Reverse Shoulder Arthroplasty? Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
39. **Wagner ER**, Hundepool C, Kircher M, Spinner R, Bishop AT, Shin A. Intercoastal Nerve Transfer to Restore Elbow Flexion. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
40. **Wagner ER**, Suh N, Kircher M, Spinner R, Bishop AT, Shin A. SBRN vs. Sural Nerve Grating; A Case-Control Analysis of 75 Patients. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.

41. **Wagner ER**, Parry J, Dadsetan M, Van Wijnen A, Yaszemski MJ, Kakar S. VEGF-Mediated Angiogenesis and Vascularization of a PCLF Scaffold. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
42. **Wagner ER**, Weston J, Houdek MT, Moran SL, Rizzo M. MCP Joint Arthroplasty for Osetoarthritis; an implant comparison analysis. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
43. **Wagner ER**, Weston J, Houdek MT, Moran SL, Rizzo M. Implant Analysis in the Treatment of Proximal Interphalangeal Joint Osteoarthritis; Silicone, Pyrocarbon, and SRA. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
44. **Wagner ER**, Van Demark R, Houdek MT, Moran SL, Rizzo M. An Analysis of 583 Metacarpophalangeal Arthroplasties for the Management of Inflammatory Arthritis. Poster Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
45. **Wagner ER**, Mehrotra K, Rizzo M. Predicting Failure and Complications in TWA: Review of a 40-Year Experience. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
46. **Wagner ER**, Houdek MT, McAlister I, Pency R, Egleseder WA. Extensor Digitorum Brevis Flaps for Lower Leg Soft Tissue Coverage. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
47. Statz J, **Wagner ER**, Houdek MT, Cofield R, Sanchez-Sotelo J, Elhassan BT, Sperling JW. Outcomes of Primary Reverse Shoulder Arthroplasty in Patients With Morbid Obesity. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
48. Chalmers B, **Wagner ER**, Houdek MT, Elhassan BT, Sanchez-Sotelo J, Cofield R, Sperling JW. Excellent Outcomes Of Primary Reverse Total Shoulder Arthroplasty In Patients With Glenohumeral Instability. Podium Presentation at 2016 Mid America Orthopedic Association (MAOA), Bonita Springs, FL, October 6, 2016.
49. **Wagner ER**, Werthel JD, Lee J, Elhassan BT. Reverse Shoulder Arthroplasty with a Pedicled Pectoralis Transfer in Patients with Deltoid Paralysis. Podium Presentation at Mid America Orthopedic Association (MAOA) Annual Meeting, San Antonio, TX, April 18-22, 2018
50. Barras LA, **Wagner ER**, Robinson W, Carlson B, Rizzo M. PIP Arthroplasty with the Surface Replacing Component. Podium Presentation at Mid America Orthopedic Association (MAOA) Annual Meeting, San Antonio, TX, April 18-22, 2018.
51. Farley KX, Aizpuru M, Lee S, Daly CA, Gottschalk MB, **Wagner ER**. Epidemiology of Motorized Scooter Injuries in the Era of Scooter-Shares. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Amelia Island, FL, July 17-20, 2019.

52. Gottschalk MB, Farley K, Dawes A, Spencer C, Daly C, **Wagner ER**. Do Corticosteroids Reduce Pain after Distal Radius Fracture Surgery? Podium Presentation at the Georgia Society for Surgery of the Hand (GSSH) at the Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA, September 19, 2019.
53. Gottschalk MB, Farley K, Nazzal E, Daly C, **Wagner ER**. The Epidemiology of United States Upper Extremity Fracture. Podium Presentation at the Georgia Society for Surgery of the Hand (GSSH) at the Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA, September 20, 2019.
54. Dawes AM, Spencer CC, McGinley BM, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. CMC Arthroplasty: No Standardized Nonoperative treatment protocol. Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020.
55. Dawes AM, Spencer CC, Farley KX, **Wagner ER**, Gottschalk MB, Daly CA. The Cost and Resource Utilization for Patients with Carpal Tunnel Syndrome (CTS). Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
56. Spencer CC, Dawes AM, McGinley BM, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. Trends and Utilization of Prescription Opioid Use Following CMC Arthroplasty: How Much is Too Much? Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020.
57. Spencer CC, Dawes AM, Farley KX, Krapp MJ, Daly CA, **Wagner ER**, Schenker M, Gottschalk MB. Risk Factors Associated With Prolonged Opioid Use Following Surgical Fixation of Acetabular Fracture. Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
58. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, **Wagner ER**, Daly CA. Predictive Factors Associated with the Need for Simultaneous Carpal and Cubital Tunnel Release. Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
59. Spencer CC, Dawes AM, Farley KX, Gottschalk MB, **Wagner ER**, Daly CA. Preoperative Cubital Tunnel Management Resource Utilization and Cost Analysis. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
60. *Siracuse BL, McGinley BM, Dawes AM, Spencer CC, Daly CA, Gottschalk MB, **Wagner ER**. Treatment of First Carpometacarpal Osteoarthritis with Arthroscopy: A Systematic Review. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020

61. *Dawes AM, Atkins M, Spencer CC, Daly CA, **Wagner ER**, Gottschalk MB. UCL Repair and Reconstruction: Factors Associated with Postoperative Neuropathy. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
62. *Dawes AM, Spencer CC, Guisse NF, Daly CA, **Wagner ER**, Gottschalk MB. Liposomal Bupivacaine: Is it Worth the Extra Money? Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
63. *Dawes AM, Spencer CC, Farley KX, Nazzal E, Daly CA, Gottschalk MB, **Wagner ER**. Post-Operative Glucocorticoid Use in Shoulder Arthroplasty: Early Results of a Randomized-Control Trial. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
64. *Spencer CC, Dawes AM, Farley KX, Daly CA, **Wagner ER**, Gottschalk MB. Methylprednisolone an Effective Method for postoperative Pain Management for Patients undergoing Surgical Fixation of Distal Radius Fracture. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
65. *Spencer CC, Dawes AM, Farley KX, Krapp MJ, Daly CA, **Wagner ER**, Schenker M, Gottschalk MB. Risk Factors Associated With Venous Thromboembolism Following Surgical Fixation of Acetabular Fracture. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
66. *Spencer CC, Dawes AM, McGinley BM, Farley KX, Daly CA, Gottschalk MB, **Wagner ER**. The Influence of Modifiable and Nonmodifiable Variables on CMC Arthroplasty Complications. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV, Virtual Conference: July 23-25, 2020
67. Farley KX, Schwartz AM, Boden SH, Daly CA, Gottschalk MB, **Wagner ER**. Hospital Volume Thresholds in Reverse Shoulder Arthroplasty: A Nationwide Analysis. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Greenbriar, WV. Virtual Conference: July 23-25, 2020
68. Fakunle L, Farley KX, DeMaio E, Gottschalk MB, **Wagner ER**, Daly CA. Do Therapeutic Steroid Injections Increase Post-Operative Complications in Carpal Tunnel Release? Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Virtual Conference: July 23-25, 2020
69. Godfrey W, Farley KX, Shau D, Daly CA, Gottschalk MB, **Wagner ER**. Medicaid Payer Status is Associated with Increased 90-Day Morbidity and Resource Utilization Following Primary Shoulder Arthroplasty. Poster Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting, Virtual Conference: July 23-25, 2020

70. Farley KX, Wilson JM, Daly CA, Gottschalk MB, **Wagner ER**. Prevalence of Shoulder Arthroplasty in the United States. Podium Presentation at the Southern Orthopaedic Association (SOA) Annual Meeting Virtual Conference: July 23-25, 2020
71. Gottschalk MB, McGinley B, Whittingslow D, Ghareeb P, Lamplot J, Bowers RL, Daly CA, **Wagner ER**. Quantifying Patient Sentiment of Treatments for Lateral Elbow Tendinopathy. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Presentation)
72. Dawes AM, Toston RJ, Hurt JT, Graf A, **Wagner ER**, Gottschalk MB. Upper Extremity Firearm Injuries: Epidemiology and Factors Predicting Hospital Admission. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Presentation)
73. Graf A, Dawes AM, Hurt JT, Toston RJ, Gottschalk MB, **Wagner ER**. Winter Sport Musculoskeletal Injuries: Epidemiology and Factors Predicting Hospital Admission. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Presentation)
74. Webb A, Dawes AM, Spencer CC, Toston RJ, Hurt JT, Farley KX, Campbell CC, Daly CA, Gottschalk MB, **Wagner ER**. Postoperative Glucocorticoid Use in Shoulder Arthroplasty: Early Results of a Randomized-Controlled Trial. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Presentation Thomas E Whiteside Resident Award Winner 2nd Place)
75. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression and Anxiety in CMC Arthroplasty. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Presentation)
76. Dawes AM, Stewart C, Hurt JT, Toston RJ, Wagner ER, Gottschalk MB. Crossfit Injuries of the Upper Extremity. Georgia Orthopaedic Society (GOS) Annual Meeting, Sea Island, GA October 7-10, 2022 (Podium Oral Presentation)
77. Hurt JT, Toston RJ, Dawes AM, **Wagner ER**, Gottschalk MB. Preoperative Depression, Anxiety, and ADHD in Carpal Tunnel Release. Eastern Orthopedic Association (EOA) Annual Meeting, Nashville, TN October 20-23, 2021 (Poster Presentation)
78. Spencer CC, Dawes AM, Karas SG, Xerogeanes JW, Gottschalk MB, **Wagner ER**. Opioid Use After Shoulder Instability Surgery: A Retrospective Review. Eastern Orthopedic Association (EOA) Annual Meeting, Nashville, TN October 20-23, 2021 (Poster Presentation)
79. Dawes AM, Runge W, Broggi MS, Toston RJ, Hurt JT, **Wagner ER**, Gottschalk MB. Prolonged Opioid Use After Surgery for Distal Radius Fracture: Who Is At Risk? Eastern Orthopedic Association (EOA) Annual Meeting, Nashville, TN October 20-23, 2021 (Podium Presentation)

80. Pflederer J, Spencer CC, Dawes AM, Toston RJ, Hurt JT, Gottschalk MB, **Wagner ER**. Opioid Use Following Total Shoulder Arthroplasty: Who Requires Refills and for How Long? Eastern Orthopedic Association (EOA) Annual Meeting, Nashville, TN October 20-23, 2021 (Podium Presentation)
81. Dawes AM, Karzon AL, Toston RJ, Ojimakinde AA, Gottschalk MB, **Wagner ER**. Preoperative Chronic Anticoagulation Use Prior to Total Shoulder Arthroplasty Leads to Increased Complications: A Comparison of DOACs, Warfarin & Enoxaparin. Southern Orthopedics Association (SOA) Annual Meeting, July 20-23, 2022, White Sulphur Springs, WV. (Podium Presentation)
82. Hussain ZB, Khawaja SR, Sabol JM, Yamamura T, Xiao AX, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. Artificial intelligence automated analysis of scapula dynamics using dynamic digital radiography: A validation and reliability study. Southern Orthopedic Association. Destin, Fl. 29th Jul 2023. (Podium presentation)
83. SOA Presidents' Resident Award Winner - Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomised Controlled Trial. **Wagner ER**, Hussain ZB, Karzon AL, Cooke HL, Toston R, Hurt J, Ojimakinde A, Dawes A, Gabig A, Khawaja SR, Gottschalk MB. Southern Orthopedic Association. Destin, Fl. 29th Jul 2023. (Podium Presentation)
84. Scapulohumeral rhythm changes in serratus palsy and scapular dyskinesia: A matched, controlled dynamic radiography study. Hussain ZB, Khawaja SR, Karzon AL, Stewart T, Cooke HL, Gottschalk MB., **Wagner ER**. Southern Orthopedic Association. Destin, Fl. 26-29th Jul 2023. (Poster presentation)
85. Hussain ZB, Khawaja SR, Sabol JM, Yamamura T, Xiao AX, Karzon AL, Cooke HL, Gottschalk MB, **Wagner ER**. Artificial intelligence automated analysis of scapula dynamics using dynamic digital radiography: A validation and reliability study. Eastern Orthopedic Association. Charleston, SC. 28th October 2023. (Podium Presentation)
86. **Wagner ER**, Hussain ZB, Karzon AL, Cooke HL, Toston R, Hurt J, Ojimakinde A, Dawes A, Gabig A, Khawaja SR, Gottschalk MB. Eastern Orthopaedic Association Young Investigator Award Winner 2023 - Methylprednisolone Taper is an Effective Addition to Multimodal Pain Regimens after Total Shoulder Arthroplasty: Results of a Randomised Controlled Trial. Eastern Orthopedic Association. Charleston, SC. 28th October 2023. (Podium Presentation)
87. McKissack HM, Cooke HL, Khawaja SR, Hussain ZB, Chopra KN, Gulzar M, Gottschalk MB, **Wagner ER**. Arthroscopic-Assisted Lower Trapezius Transfer vs. Superior Capsular Reconstruction for Treatment of Massive Irreparable Rotator Cuff Tears. SOA. Miami Beach, FL. July 20, 2024. (Podium presentation)

88. Khawaja SR, Hussain ZB, Gulzar M, Khawaja OR, Cooke HL, Gottschalk MB, **Wagner ER**. Lower Trapezius Tendon Transfer vs. Reverse Shoulder Arthroplasty for MIRCTs. SOA. Miami Beach, FL. July 20, 2024. (Podium Presentation)
89. Hussain ZB, Cooke HL, Gulzar M, Chopra KN, Khawaja SR, Gottschalk MB, Ghareeb PA, Suh N, Dempsey AL, **Wagner ER**. Is Excision More Painful Than Incision of A1 Pulley for Trigger Finger? Early Results of a Randomized Controlled Trial. SOA. Miami Beach, FL. July 20, 2024. (Podium Presentation)
90. Cuneo KR, McQuillan TJ, Sullivan CM, Cooke HL, Kapp SA, **Wagner ER**, Gottschalk MB. Electrodiagnostic Testing Predicts Post-Decompression Outcomes in Patients with Cubital Tunnel Syndrome. SOA. Miami Beach, FL. July 20, 2024. (Poster Presentation)
91. Khawaja SR, Hussain ZB, Cooke HL, Heo KY, Gulzar M, Gottschalk MB, **Wagner ER**. Novel Technique for Measuring Scapulohumeral Rhythm Using Dynamic Radiography. SOA. Miami Beach, FL. July 20, 2024. (Poster Presentation)
92. Sullivan CM, McQuillan TJ, Cuneo KR, Cooke HL, Chopra KN, Gottschalk MB, **Wagner ER**. Randomized Controlled Trials of Carpal Tunnel Release: Robustness and Fragility Index of Published Literature. SOA. Miami Beach, FL. July 20, 2024. (Podium Presentation)

ONLINE PEER REVIEWED VIDEOS

1. Vumedi.com: Part 1 of 3: RSA Angle - A Significant Step Forward in Understanding Glenoid Anatomy
2. Vumedi.com: Arthroscopic Pectoralis Minor Release: TOS, Scapular Dyskinesia, and Other Considerations
3. Vumedi.com: Tendon Transfer For Subscapularis Insufficiency: Expanding Indications
4. Vumedi.com: Multicenter Evaluation of the Treatment for Irreparable Rotator Cuff Tears
5. Vumedi.com: Lower Trapezius Transfer for MRCT: Video Demo
6. Vumedi.com: Latissimus Transfer for Subscapularis Insufficiency in TSA Is One (and maybe the Best!) Option
7. Vumedi.com: Arthroscopic - Assisted Tendon Transfers - Cadaveric Focus Demonstration
8. Hand.e (assh.org): Approach to ECU Pathologies
9. Hand.e (assh.org): Arthroscopic Assisted Lower Trapezius Transfer for an Irreparable Rotator

Cuff Tear

10. Hand.e (assh.org): Suzuki-Frame: A Cheap, Easy, and Great Fix for PIP Fracture Dislocations
11. Hand.e (assh.org): Radial Head Arthroplasty with Application of an Internal Joint Stabilizer for Delayed Terrible Triad Injuries
12. Hand.e (assh.org): Offering an Alternate Solution: Total Wrist Arthrodesis after Failed Four Corner Fusion.
13. Hand.e (assh.org): Perilunate Injuries.