Peter Charles Rhee, D.O., M.S.

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Work Address:

Mayo Clinic 200 1ST ST NE

Rochester, MN 55905

PRESENT POSITION:

2017 - Present Hand and Microvascular Surgeon

Mayo Clinic (Rochester, MN) Division of Hand Surgery

Department of Orthopedic Surgery

2017 – Present Associate Professor of Orthopedic Surgery

Mayo Clinic College of Medicine (Rochester, MN)

PREVIOUS POSITION:

2013 – Present Associate Professor of Surgery

F. Edward Hebert School of Medicine (Bethesda, MD) Uniformed Services University of Health Sciences

Department of Surgery

2015 – 2017 Chief, Hand and Microvascular Surgery

San Antonio Military Medical Center (Fort Sam Houston, TX)

2013 – 2017 Director, Microvascular Surgery Training Center

Army Institute of Surgical Research (Fort Sam Houston, TX)

2013 – 2017 Director, Emergency Microvascular Surgery Services

San Antonio Military Medical Center (Fort Sam Houston, TX) Southwest Texas Regional Advisory Council (San Antonio, TX)

2012 - 2013 Assistant Professor of Orthopedic Surgery

Mayo Clinic School of Graduate Medical Education (Rochester, MN)

Department of Orthopedic Surgery

GENERAL EDUCATION:

2008 – 2012 **Mayo Graduate School** (Rochester, MN)

Masters of Biomedical Science (M.S.) - Orthopedic Surgery

2003 – 2007 **Kirksville College of Osteopathic Medicine** (Kirksville, MO)

Doctor of Osteopathic Medicine (D.O.)

Valedictorian

1999 – 2003 **Grinnell College** (Grinnell, IA)

Bachelor of Arts (B.A.) Major in Biology

1995 – 1999 **Seton Catholic High School** (Chandler, AZ)

High School Diploma

POST-GRADUATE MEDICAL EDUCATION:

2012 – 2013 Mayo School of Graduate Medical Education (Rochester, MN)

Hand and Microvascular Surgery Fellowship Division of Hand and Microvascular Surgery

2008 – 2012 Mayo School of Graduate Medical Education (Rochester, MN)

Orthopedic Surgery Residency Department of Orthopedic Surgery

2007 – 2008 Mayo School of Graduate Medical Education (Rochester, MN)

Internship

Department of Orthopedic Surgery

BOARD CERTIFICATIONS:

2016 - Present Certificate of Added Qualification, Hand Surgery

2012 - Present American Board of Orthopedic Surgery

MEDICAL LICENSURE:

2009 – Present Medical License, Minnesota (Active)

HONORS/AWARDS:

National/International

Lean and Green Award – American Association for Surgery of the Hand (AAHS)

Awarded to a deserving association member who has decreased the amount of waste generated by hand surgery and decreased total costs related to hand surgery as a result.

Sumner-Koch Award – American Society for Surgery of the Hand (ASSH) and Chicago Society for Surgery of the Hand (CSSH). Presented to the research paper that has the potential for the greatest clinical impact, as judged by the membership of the Chicago Society for Surgery of the Hand, 2017

Meritorious Service Medal – President of the United States of America

For admirable service as a hand surgeon while serving in the United States Air Force. Specifically for instituting a microvascular surgery service at the San Antonio Military Medical Center, creating a wide-awake hand surgery practice that increased hand surgery volume by 10%, and for performing the first successful free tissue transfer in an austere environment (Bagram Air Base, Afghanistan) while supporting U.S. and NATO forces in Operation Resolute Support and Operation Freedom's Sentinel.

Best Papers - American Society for Surgery of the Hand (ASSH) Annual Meeting.

Manuscript on "Cost Savings, Safety, and Patient Satisfaction of a Wide-Awake Hand Surgery Program at a Military Medical Center: A Critical Analysis of the First 100 Procedures" was selected as the top 4 papers of the 71st Annual Meeting of the ASSH, 2016.

American Orthopedic Association (AOA) - Emerging Leaders Program (ELP).

Selected to participate in the AOA-ELP which delivers a continuum of learning for developing orthopaedic leaders, 2014.

Clinician Scientist Development Program.

Awarded through the American Society for Surgery of the Hand (ASSH) to attend the American Academy of Orthopedic Surgery (AAOS), Orthopedic Research and Education Foundation

(OREF), and the Orthopedic Research Society (ORS) intensive training program to prepare participants to develop into orthopedic clinician scientists, 2014.

Young Leaders Program (ASSH).

Awarded to enthusiastic and dedicated young members to increase their involvement in the governance of the ASSH, 2014.

ASSH Military Education Grant. Awarded to fund travel to the annual ASSH meeting, 2014-2016. **ASSH Resident Education Grant.** To fund travel to the annual ASSH meeting, 2011.

Cambridge Who's Who among Executives, Professionals, and Entrepreneur's. August 2008 Who's Who among American Universities and Colleges. 2007

Marvin & Kathleen Teget Leadership Scholarship. Leadership in pursuing a specialty career, 2006 *Chancellor's List*®. Positive academic achievement in graduate level students, 2006

Regional

Mid-America Orthopedic Association (MAOA) New in Practice Educational Grant. To fund travel to the annual meeting. 2015.

Physician in Training Award Finalist. Top paper at the Mid-American Orthopedic Association annual meeting. Bonita Springs, FL. 2012.

Mid-America Orthopedic Association Education Grant. To fund travel to the annual MAOA meeting. 2011

Best Poster Award. Mid-America Orthopedic Association (MAOA). Austin, TX. April 24, 2010. **Physician in Training Award Finalist.** Top paper at the MAOA annual meeting. Austin, TX. 2010.

San Antonio Uniformed Services Health Education Consortium (SAUSHEC)

Warren R. Kadrmas Award for Excellence in Teaching. Voted teacher and mentor of the year by the graduating orthopedic surgery chief resident class, 2015.

Mayo School of Graduate Medical Education

Alice D. Jensen Fellowship in Hand Surgery. Awarded for achievements in advancing the art and science of hand surgery through clinical research and fellowship activities.

Patrick J. Kelly, M.D. Outstanding Basic Science Research Award. Awarded to an orthopedic surgery resident or fellow every 2 years with the highest rated basic science research study, preferably a study as a result from a masters in biomedical sciences. October 2012.

Joseph M. Janes, M.D. Humanitarian Award. Awarded to an outstanding physician and surgeon recognized by his peers to possess qualities of: compassion for his patients, competence as a surgeon, and devotion to orthopedic surgery. June 1, 2012.

Outstanding Resident Achievement Award, Knowledge in Orthopedic Surgery. Awarded to the Orthopedic chief resident with the highest cumulative orthopedic in-training examination (OITE) scores. June 1, 2012.

Mayo Orthopedic Trauma Program, Resident of the Year. Given to the orthopedic chief resident who has displayed competence, compassion, and promoted resident education throughout their orthopedic trauma rotations. June 1, 2012.

Kelly Award Finalist. Top rated paper from an orthopedic residency. 2010.

Coventry Award Participant. Best department orthopedic paper annually. 2009 and 2010.

Mayo Intl. Health Program Scholarship. For a pediatric orthopedic mission trip with Cure International, May 2008.

Kirksville College of Osteopathic Medicine

Stewart Award. Valedictorian of the Kirksville College of Osteopathic Medicine Class of 2007 Teva Pharmaceuticals. Highest GPA in the study of Pharmacology, 2007 President Service Award, Sigma Sigma Phi National Osteopathic Honors Society. 2007 Snyder-Crummy Anatomy Award. Highest GPA in the anatomy courses, 2005 D.O. Day on the Hill Scholarship. To lobby for medical reform in Washington D.C., 2005 Isabelle and Josephine Morelock Scholarship. For academic excellence, 2005

Grinnell College

Dean's List. Spring 2000, Spring 2003.

NCAA Academic All-Midwest Conference Linebacker. Fall '00, Fall '01, and Fall '02.

Louis J. Gonias '42 Scholarship. To scholar-athletes who demonstrate leadership, 1999,'00, '01.

Seton Catholic H.S.

Arizona Coca-Cola Scholar Athlete of the Year. Spring 1999 Eagle Scout-Boy Scouts of America. Spring 1998

Arizona All-State Center, Football. Fall 1998.

MILITARY SERVICE:

2003 – 2017 United States Air Force. Major, Medical Corp. (Active duty)

Deployment History

Jan – April 2017 **Chief of Orthopedic Surgery**, Craig Joint Theater Hospital, Bagram, Afghanistan May 2016 **Orthopedic Surgery Mission Commander**. Rio San Juan, Dominican Republic.

PROFESSIONAL SERVICE:

1997 - 2002

National/International			
2017 – Present	Chair. Military relations committee (ASSH)		
2017 – Present	Committee Member. Practice division committee (ASSH)		
2017 – Present	Faculty. AOTrauma International		
2016 – Present	Committee Member. Self-Assessment Examination Committee (ASSH)		
2016 – Present	Faculty. AOTrauma Hand North America		
2015 - Present	Section Editor. Maintenance of Certification Task Force, Arthroscopy		
	Association of North America (AANA) and the American Shoulder and Elbow		
	Society (ASES).		
2016 - Present	Committee Member. Annual Meeting Program committee (AAHS)		
2015 – Present	Committee Member. Publications and products advisory committee (ASSH)		
2015 – Present	Committee Member. Resident education committee (ASSH)		
2015 – Present	Committee Member. Courses and meetings advisory committee (ASSH)		
2015 – Present	Consultant reviewer. Journal of the AAOS		
2015 - 2016	Faculty. Maintenance of Certification Task Force, Arthroscopy		
	Association of North America (AANA) and the American Shoulder and Elbow		
	Society (ASES).		
2014 – Present	Editorial Board Member. American Journal of Orthopedics		
2014 – Present	Committee Member. Adrian Flatt Resident/Fellows Conference committee (ASSH)		
2014 – Present	Faculty. National Board of Osteopathic Medical Examiners		
2014 – Present	Consultant reviewer. Journal of Hand Surgery (American)		
2014 – Present	Consultant reviewer. Hand		
2013 - 2017	Committee Member. Military relations committee (ASSH)		
2011 - 2014	Resident advisory committee member. American Journal of Orthopedic Surgery		
2011 – Present	Peer reviewer. Biomed Central.		
2009 – Present	Peer reviewer. Journal of Clinical Biomechanics.		
Regional/Local			
2017 – Present	Co-Chair. Veterans Mayo Employee Resource Group (MERG)		
2007 – Present	Mentor. American Osteopathic Association		
2007 - Present	Alumni Ambassador. Kirksville College of Osteopathic Medicine Admissions		
2004 - 2005	President. Sigma Sigma Phi National Osteopathic Honors Society		
2004 - 2005	Vice President. Theta Psi Osteopathic Fraternity		
2004 - 2005	Coordinator. Asclepius Society for Medical Arts and Humanism		
2004 - 2005	Air Force Liaison. American Military Osteopathic Physicians & Surgeons		
2003 - 2005	Academic Tutor. Kirksville College of Osteopathic Medicine		

Board of Directors. Arizona Hugh O'Brian Youth Leadership Foundation (HOBY)

PROFESSIONAL MEMBERSHIPS AND SOCIETIES:

2016 – Present	Member. American Society of Reconstructive Microsurgeons (ASRM)
2015 – Present	Diplomat. American Board of Orthopedic Surgery (ABOS)
2013 – Present	Member. San Antonio Orthopedic Association (SAOA)
2012 - Present	Member. Mayo Clinic Hand Club
2012 – Present	Member. American Association for Hand Surgery (AAHS)
2011 – Present	Member. American Society for Surgery of the Hand (ASSH)
2011 – Present	Member. Mid-America Orthopedic Association (MAOA)
2009 - Present	Member. Society of Military Orthopedic Surgeons (SOMOS)
2007 – Present	Fellow. American Academy of Orthopedic Surgery (AAOS)
2007 – Present	Member. Mayo Fellows Association (MFA)
2007 - Present	Member. American Medical Association (AMA)
2007 – Present	Member. Kirksville College of Osteopathic Medicine Alumni Association (KOAA)
2003 – Present	Member. American Osteopathic Association (AOA)
2004 – Present	Member. Sigma Sigma Phi National Osteopathic Honors Society (SSP)

EDUCATIONAL ACTIVITIES:

Curriculum/Course Development

Graduate Medical Education (Regional/Local)

- 1. **Hand Rotation Curriculum.** Summer 2017 to present. Mayo Clinic, Orthopedic Surgery Residency Program. Rochester, MN. Organized a 12 weeks online curriculum geared towards educating rotating orthopedic surgery resident the basics of hand surgery. The curriculum also includes a weekly case-based discussion and end of rotation practical exam assessment (3 4 learners, quarterly).
- 2. **Hand Fellows Curriculum.** Fall 2017 to present. Mayo Clinic, Hand Surgery Fellowship Program. Rochester, MN. Developed a 1 year curriculum consisting of online modules reviewing lectures, lectures, and in person case-based discussions. Supplemented with monthly practical skills labs and "Beyond the Knife" surgeon development series (4 fellows, yearly).
- 3. **Microvascular Surgery Skills Course.** Fall 2013 to present. San Antonio Military Medical Center, Orthopedic Surgery Residency. San Antonio, TX. Organized quarterly microvascular skills course with the use of latex vessels and rat femoral artery and vein anastomoses techniques (8 learners, quarterly).
- 4. **Hand Surgery Review Course Orthopedic In-training Examination (OITE).** Fall 2012. Mayo Clinic Orthopedic Surgery Residency. Rochester, MN. Organized a weekly review course for orthopedic surgery residents in preparation for the annual OITE, specifically pertaining to the field of hand surgery (50 learners).
- 5. **Orthopedic in-training examination monthly review.** Winter 2011 to Winter 2012. Mayo Graduate School of Medical Education. Organized the curriculum for monthly review classes in preparation for the annual OITE for the entire orthopedic surgery residency (50 learners).
- 6. **EnhanceMed Hybrid Skills course.** August 18, 2009. Mayo Graduate School of Medical Education. Revised the orthopedic course for the EnhanceMed organization to provide all moonlighting residents/fellows a review of common musculoskeletal injuries and management recommendations (100 learners).

Continuing Medical Education (National/International)

- The Shattered Distal Radius: Surgical Pearls for Treating Complex Distal Radius
 Fractures. September 9, 2018. 72nd Annual Meeting of the American Society for Surgery of the
 Hand. San Francisco, CA. Developed and moderated an instructional course lecture on the
 evaluation and management of complex distal radius fractures (300 learners). Instructional Course
 Lecture #44.
- How to Implement a Clinic-Based Wide-Awake Hand Surgery Practice. September 8, 2017.
 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA.
 Developed and moderated an instructional course lecture on the how to implement a clinic-based wide-awake hand surgery (200 learners). Instructional Course Lecture #42.
- 3. **Damage Control Hand Surgery: Surgical Pearls Learned from the Battlefield.** September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Developed and moderated an instructional course lecture regarding the acute management of the mangled upper extremity (150 learners). Instructional Course Lecture #21.
- 4. **Hand and Wrist Symposium. Course Director.** June 10, 2017. Austin, TX. TriMed Inc. Developed a 1 day educational event including didactic and lab sessions educating practicing orthopedic and hand surgeons on the evaluation and management of complex wrist and carpal fractures (30 learners).
- 5. **Magnetic Resonance Imaging of the Hand and Wrist: What Are We Looking At.** September 29, 2016. 71st Annual Meeting of the American Society for Surgery of the Hand. Austin, TX. Developed and moderated an instructional course lecture regarding fundamentals of MRI with review of applications in various pathologies within the hand and wrist (100 learners). Instructional Course Lecture #11.
- 6. **How to Survive Your Worst Night of Hand Call.** September 30, 2016. 71st Annual Meeting of the American Society for Surgery of the Hand. Austin, TX. Developed and moderated an instructional course lecture regarding the acute management of the mangled upper extremity (150 learners). Instructional Course Lecture #19.
- Management of the Dusted Distal Radius: Advanced Surgical Techniques. September 29, 2016. 71st Annual Meeting of the American Society for Surgery of the Hand. Austin, TX. Developed and moderated an instructional course lecture on the evaluation and management of complex distal radius fractures (300 learners). Instructional Course Lecture #28.
- 8. **Wide-Awake Approach to Hand Surgery: How to Apply it to Your Practice.** September 29, 2016. 71st Annual Meeting of the American Society for Surgery of the Hand. Austin, TX. Developed and moderated an instructional course lecture on the how to implement wide-awake hand surgery into various practice environments (200 learners). Instructional Course Lecture #44.
- 9. **Management of High-Energy Soft Tissue Injuries of the Hand: Surgical Pearls and Lessons Learned from the Battlefield.** September 12, 2015. 70th Annual Meeting of the American Society for Surgery of the Hand. Boston, MA. Case based symposium reviewing the technique and surgical pearls for soft tissue coverage of the hand (400 learners). Symposia #13.
- 10. **Management of High-Energy Soft Tissue Injuries of the Hand: Surgical Pearls and Lessons Learned from the Battlefield.** September 19, 2014. 69th Annual Meeting of the American Society for Surgery of the Hand. Boston, MA. Case based symposium reviewing the technique and surgical pearls for soft tissue coverage of the hand (400 learners). Symposia #4027.

Continuing Medical Education (Regional/Local)

- 1. **Hand Flaps and Small Joint Arthroplasty. Course Director.** August 30, 2016. San Antonio, TX. Didactic and practical skills course reviewing intrinsic hand flaps and small joint arthroplasty of the fingers and distal radioulnar joints (25 learners).
- 2. **Complex Wrist Fractures Course. Course Director.** August 16, 2014. Spring Branch, TX. Didactic course covering the evaluation and surgical treatment of complex wrist fractures and the management of complications. Bioskills course including sawbones implant instrumentation and cadaver surgical approaches (50 learners).
- 3. **Difficult Wrist Fractures Course. Course Director.** May 10, 2014. San Antonio, TX. Didactic and bioskills course covering the evaluation and surgical treatment of complex wrist fractures utilizing volar locking plates, fragments specific fixation, and temporary external or internal distraction stabilization (40 learners).

Teaching Activities

Graduate Medical Education (Regional/Local)

- 1. **Management of Forearm Fractures.** December 29, 2017. Hand Surgery Conference. Rochester, MN. Discussed the evaluation and management of forearm fractures, including Galeazzi and Monteggia fracture dislocations (40 learners).
- 2. **Common Hand and Wrist Conditions.** November 30, 2017. Department of Family Practice Grand Rounds. Rochester, MN. Reviewed the evaluation and management of common hand and wrist conditions such as carpal tunnel syndrome, trigger digits, de Quervain tenosynovitis, and thumb basilar arthritis (60 learners).
- 3. **Management of Carpal Injuries.** November 3, 2017. Hand Surgery Conference. Rochester, MN. Discussed the evaluation and management of perilunate fracture dislocations (40 learners).
- 4. **Reconstructive Ladder versus Elevator.** November 2, 2017. Orthopedic Trauma Service Conference. Rochester, MN. Reviewed the principles of wound debridement and soft tissue coverage options (20 learners).
- 5. **More Than You Want To Know About Nerves.** October 21, 2017. Orthopedic Surgery Residency Program. Rochester, MN. Reviewed the pathophysiology of nerve injury and discussed the evidence-based practice of nerve repair and reconstruction (40 learners).
- 6. **Physical Examination of the Hand, Wrist, and Elbow.** September 29, 2016. Orthopedic surgery residency curriculum. San Antonio, TX. Reviewed the rationale and technique of various upper extremity examination maneuvers (30 learners).
- 7. **Management of Extensor Tendon Injuries.** August 18, 2016. Orthopedic surgery residency curriculum. San Antonio, TX. Reviewed hand and wrist extensor tendon anatomy and discussed the management of acute and chronic extensor tendon injuries (30 learners).
- 8. **Arthroscopy of the Hand and Wrist.** June 13, 2016. Orthopedic surgery residency curriculum. San Antonio, TX. Discussed the indications and technique of wrist and hand arthroscopy (30 learners).
- 9. **Soft Tissue Coverage in Orthopedic Surgery.** January 25, 2016. Orthopedic surgery residency curriculum. San Antonio, TX. Discussed the concept of the reconstructive ladder and elevator with case based presentation on the algorithm to treatment of soft tissue injuries (30 learners).

- 10. **Traumatic Brachial Plexus Injuries.** June 15, 2015. Orthopedic surgery residency curriculum. San Antonio, TX. Discussed the evaluation and treatment methods of traumatic brachial plexus injuries (30 learners).
- 11. **Carpal Instability.** June 2, 2015. San Antonio, TX. US Army/Air force occupational therapy upper extremity course. Discussed the evaluation and treatment methods of traumatic brachial plexus injuries (20 learners).
- 12. **Peripheral Nerve Injuries.** June 2, 2013. San Antonio, TX. US Army/Air force occupational therapy upper extremity course. Discussed the evaluation and treatment methods of traumatic brachial plexus injuries (20 learners).
- 13. **Upper Extremity Compression Neuropathies.** September 9, 2013. San Antonio, TX. US Army/Air force occupational therapy upper extremity course. Discussed the evaluation and treatment methods of traumatic brachial plexus injuries (20 learners).
- 14. **Physical Examination of the Hand, Wrist, and Elbow.** July 14, 2014. Orthopedic surgery residency curriculum. San Antonio, TX. Reviewed the proper technique for physical examination of the upper extremity (50 learners).
- 15. **Congenital Hand Anomalies.** May 12, 2014. Orthopedic surgery residency curriculum. San Antonio, TX. Discussed the embryology of hand develop, common congenital hand anomalies, and basis methods of evaluation and treatment (50 learners).
- 16. **Management of Hand Osteoarthritis.** April 24, 2014. Orthopedic surgery residency curriculum. San Antonio, TX. Discussed the epidemiology, evaluation, and non-operative/operative treatment of hand osteoarthritis (50 learners).
- 17. **Brachial Plexus Injuries.** September 9, 2013. San Antonio, TX. US Army/Air force occupational therapy upper extremity course. Discussed the evaluation and treatment methods of traumatic brachial plexus injuries (20 learners).
- 18. **Hand and wrist anatomy.** September 9, 2013. San Antonio, TX. US Army/Air force occupational therapy upper extremity course. Discussed the carpal and distal radius anatomy (20 learners).
- 19. **The road to residency: Tips and pearls to succeed.** July 26, 2013 and February 24, 2012. Kirksville College of Osteopathic Medicine. Kirksville, MO. Presented personal reflections on how to succeed in medical school and how to obtain a position at a top residency program. This presentation was presented to the first and second year students, with tips on how to study for USMLE Step I and how to behave on audition rotations (200 learners).
- 20. Associated Ulnar Styloid Fractures with Distal Radius Fractures. October 26, 2012. Mayo Clinic Hand Surgery Conference. Rochester, MN. Presented an evidence based medicine review of the management options of ulnar styloid fractures (40 learners).
- 21. Cubital Tunnel Syndrome: An Evidence Based Medicine Approach. September 21, 2012. Mayo Clinic Hand Surgery Conference. Rochester, MN. Presented an evidence based medicine review of the various operative treatment modalities for cubital tunnel syndrome (40 learners).
- 22. Screw Fixation of Syndesmotic Disruption: Evidence Based Medicine Approach. May 22, 2012. Mayo Clinic Foot and Ankle Surgery Conference. Rochester, MN. Illustrated the anatomy of the ankle syndesomsis, pathophysiology of syndesmotic injuries, and an evidence based medicine approach to treatment based upon a thorough literature review (30 learners).

- 23. Subtrochanteric proximal femur fractures: Operative tips and tricks. December 8, 2011. Orthopedic trauma lecture series. Rochester, MN. Discussed the evolution of operative treatment modalities for subtrochanteric proximal femur fractures. Presented common errors in treatment with an intramedullary nail and methods to prevent these errors (20 learners).
- 24. **Orthopedic In-training examination review: Hand.** November 7, 2011. Orthopedic intraining examination review monthly lecture series. Rochester, MN. Provided a review of commonly tested topics in hand surgery. Review of various finger, wrist, and elbow conditions and treatment options in conjunction with a comprehensive quiz (60 learners).
- 25. **Patella fractures: Diagnosis and treatment.** November 2, 2011. Orthopedic trauma lecture series. Rochester, MN. Presented a classification of patella fractures with evidence-based operative treatment algorithm (20 learners).
- 26. **Traction-internal rotation views for diagnosis of femoral neck fractures.** June 7, 2011. Orthopedic trauma lecture series. Rochester, MN. Presented the utility of traction-internal rotation views in determining an accurate assessment of femoral neck fractures and how this can affect treatment options (20 learners).
- 27. **Proximal humerus fractures: Operative versus non-operative treatment.** June 2, 2011. Orthopedic trauma lecture series. Rochester, MN. Debated on the benefits of non-operative management for proximal humerus fractures in comparison to operative treatment weighing (20 learners).
- 28. Operative use of antibiotic cement beads in orthopedic trauma. May 19, 2011. Orthopedic trauma lecture series. Rochester, MN. Presented the many uses of antibiotic impregnated cement in orthopedic trauma. Also provided common antibiotics and dosages when utilized in this manner (20 learners).
- 29. **Proximal 1/3rd tibial fractures: Plating verus intramedullary nail fixation.** May 5, 2011. Orthopedic trauma lecture series. Rochester, MN. Debated on the benefits of plate fixation for proximal 1/3rd tibial fractures in comparison to intramedullary nail fixation (20 learners).
- 30. **Distal femur fractures: Operative Tips and Tricks.** April 22, 2011. Orthopedic trauma lecture series. Rochester, MN. Discussed the surgical approach and reduction maneuvers to for distal femur periarticular plate fixation (20 learners).
- 31. Delta screw versus RetroScrew tibial fixation system for soft tissue graft ACL reconstruction in an osteoporotic model. November 19, 2010. Kelly Award Finalist Presentation. Rochester, MN. Discussed the results of a biomechanical comparison of two tibial fixation devices for ACL soft tissue graft reconstruction in patients with poor bone mineral density (100 learners).
- 32. **Pediatric orthopedic case presentations**. November 19, 2010. Mayo Minnesota Pediatric Orthopedic Symposium. Rochester, MN. Provided case vignettes for a panel discussion on diagnosis and management of common pediatric orthopedic surgery issues. Presented with direction from visiting professor Jim Beaty, MD (200 learners).
- 33. Athletic injuries of the hand and wrist: Diagnosis and treatment. September 23, 2010. Mayo Clinic Multidisciplinary Sports Medicine Grand Rounds. Jacksonville, FL. Presented the clinical findings, dilemmas in diagnosis, and evidenced-based review of the operative and non-operative treatment of common athletic injuries to the hand and wrist (50 learners).
- 34. Biomechanical advantage of dual tibial fixation with the RetroScrew system for soft tissue anterior cruciate ligament reconstruction in osteoporotic bone. January 27, 2010. Mayo Clinic Biomechanics Conference. Rochester, MN. Presented a literature review of bone

- density loss about the knee after an injury to the anterior cruciate ligament (ACL) and clinical concerns for ACL reconstruction. Also, discussed the preliminary biomechanical study results from a current ACL fixation study completed at the Mayo Clinic Biomechanics Lab (100 learners).
- 35. Acute scaphoid fractures: Epidemiology, diagnosis, and treatment. January 15, 2010. Mayo Graduate School of Medical Education. Division of Hand and Microvascular Surgery. Rochester, MN. Presented the epidemiology, clinical findings, and evidence-based review of non-operative and operative treatment of acute scaphoid fractures (50 learners).
- 36. **Pediatric orthopedic surgery in the Dominican Republic.** August 28, 2009. Mayo Clinic International Health Lecture Series. Rochester, MN. Presented on the benefits of participating in the Mayo International Health Program (MIHP) by illustrating my experiences in Santo Domingo, Dominican Republic performing pediatric orthopedic surgery mission work (60 learners).

Continuing Medical Education (National/International)

- 1. **Management of Blast Injuries: Revision Traumatic Amputations.** December 7, 2017. Davos, Switzerland. AOTrauma Master Course. Reviewed the treatment principles of upper and lower extremity amputations. (50 learners).
- 2. **Management of Blast Injuries: Fasciotomies.** December 7, 2017. Davos, Switzerland. AOTrauma Master Course. Discussed the evaluation and management of compartment syndrome, including escharotomies. (50 learners).
- 3. **Management of Blast Injuries: Vascular Injuries.** December 7, 2017. Davos, Switzerland. AOTrauma Master Course. Reviewed the evaluation and management of traumatic vascular injuries. (50 learners).
- 4. **Ideal Amputation Levels with Current Prostheses: Save the Wrist or Elbow at All Cost?** September 8, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Discussed the pros and cons of wrist disarticulation versus transradial amputation and elbow disarticulation versus transhumeral amputation (200 learners). Symposium #6.
- 5. **3 and 4 Corner Arthrodeses: Best Evidence of Technique and Outcomes.** September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Discussed current evidence-based best practice for scaphoidectomy 4 corner arthrodesis versus capitolunate and capitohamatolunate arthrodesis. (200 learners). Instructional Course Lecture #19.
- 6. **Getting the Most from a Mutilated Hand: Damage Control** September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Reviewed technical pearls for initial management of the mangled upper extremity (200 learners). Precourse #10.
- 7. Scapholunate Ligament Injury: Complete Rupture, Repairable, Positive Stress Views (Dynamic, Stage 2 Scapholunate Ligament Dissociation). September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Illustrated an algorithm for evaluating and managing an acute, repairable scapholunate ligament rupture (200 learners). Precourse #6.
- 8. **Scapholunate Interosseous Ligament: Anatomy.** September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Reviewed the anatomy of the scapholunate interosseous ligament and the various intrinsic and extrinsic secondary stabilizers that affect this ligament (200 learners). Precourse #6.

- 9. **Nerve Reconstruction after Failed Primary Repair.** September 7, 2017. 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Reviewed the anatomy of peripheral nerves, the pathophysiology of nerve repair/reconstruction, and a systematic method of evaluating and managing failed primary nerve repairs (200 learners). Precourse #2.
- 10. **Reconstructing the Mangled Upper Extremity. September 7, 2017.** Adrian Flatt Resident and Fellow's Conference during the 72nd Annual Meeting of the American Society for Surgery of the Hand. San Francisco, CA. Lead a case discussion on the evaluation and management of the mangled upper extremity with soft tissue loss. Specifically in terms of treating bone and soft tissue defects (200 learners).
- 11. **Hand and Wrist Course: Fragment Specific Fixation After the Approaches are Done.** October 7, 2017. Charlotte, NC. Reviewed a stepwise algorithm to reconstructing multifragmentary distal radius fractures with fragment-specific fixation. (Learners 70).
- 12. **Four Corner Arthrodesis Where's the Science?** October 7, 2017. Charlotte, NC. Discussed the rationale for four corner arthrodesis in the treatment of scapholunate and scaphoid nonunion advanced collapse. Provided technical pearls and evidence based practices in performing this procedure (Learners 70).
- 13. **Hand and Wrist Course: The Bridge Plate and it's Role in Distal Radius Fractures.** October 7, 2017. Charlotte, NC. Evaluated the biomechanics of distraction bridge plate fixation and the benefit of utilizing this fixation method for complex distal radius fractures. (Learners 70).
- 14. **Upper Extremity Seminar: Volar Locking Plate Fixation Indications and Limitations.**December 10, 2016. Scottsdale, AZ. Discussed the rationale for utilizing volar locking plate in the treatment of distal radius fractures. Provided technical pearls regarding the use of volar locking plates and the limitations of this implant (Learners 100).
- 15. Upper Extremity Seminar: Fragment Specific Fixation After the Approaches are Done. December 10, 2016. Scottsdale, AZ. Reviewed a stepwise algorithm to reconstructing multifragmentary distal radius fractures with fragment-specific fixation. (Learners 100).
- 16. **Upper Extremity Seminar: The Bridge Plate and it's Role in Distal Radius Fractures.** December 10, 2016. Scottsdale, AZ. Evaluated the biomechanics of distraction bridge plate fixation and the benefit of utilizing this fixation method for complex distal radius fractures. (Learners 100).
- 17. **Upper Extremity Seminar: Four Corner Arthrodesis Where's the Science?** December 10, 2016. Scottsdale, AZ. Discussed the rationale for four corner arthrodesis in the treatment of scapholunate and scaphoid nonunion advanced collapse. Provided technical pearls and evidence based practices in performing this procedure (Learners 100).
- 18. **Upper Extremity Seminar: Limitations of Volar Locking Plate Fixation.** August 6, 2016. Lake Tahoe, CA. Discussed the rationale for utilizing volar locking plate in the treatment of distal radius fractures. Provided technical pearls regarding the use of volar locking plates and the limitations of this implant (Learners 30).
- 19. **Upper Extremity Seminar: Role of Distraction Bridge Plating for the Dusted Distal Radius Fracture.** Lake Tahoe, CA. August 6, 2016. Discussed the role and indications for distraction bridge plate fixation in the management of complex distal radius fractures. (Learners 30).
- 20. Management of the Mangled Upper Extremity: Bone, Vascular, and Soft Tissue Injuries. March 1, 2016. AAOS Annual Meeting. Orlando, FL. Didactic lecture on the evaluation and management of the mangled upper extremity (80 learners).

- 21. **Upper Extremity Seminar: Limited Wrist Arthrodesis Technique and Pearls.** January 25, 2016. Amelia Island, FL. Discussed the rationale for scaphocapitate, and four corner arthrodesis and imparted technical pearls (Learners 100).
- 22. **Upper Extremity Session Moderator.** December 10, 2015. SOMOS Annual Meeting. Tampa, FL. Served as the moderator for the upper extremity scientific session (100 learners).
- 23. **Upper Extremity Seminar: Limitations of Volar Locking Plate Fixation.** October 23, 2015. Fort Lauderdale, FL. Discussed the rationale for utilizing volar locking plate in the treatment of distal radius fractures. Provided technical pearls regarding the use of volar locking plates and the limitations of this implant (Learners 75).
- 24. Upper Extremity Seminar: Four Corner Arthrodesis Where's the Science. October 23, 2015. Fort Lauderdale, FL. Discussed the rationale for four corner arthrodesis in the treatment of scapholunate and scaphoid nonunion advanced collapse. Provided technical pearls and evidence based practices in performing this procedure (Learners 75).
- 25. Management of Segmental Tissue Loss in the Upper Extremity: Lessons Learned from the Battlefield. September 11, 2015. 70th Annual meeting of the American Society for Surgery of the Hand. Seattle, WA. Discussed the non-vascularized methods to treat segmental bone loss in the upper extremity. Provided technical pearls in acute limb shortening, non-vascularized bone grafting, and utilization of an induced membrane for staged bone grafting (Learners 100).
- 26. **Management of the Mangled Upper Extremity: Lessons Learned from the Battlefield.**April 18, 2015. American Osteopathic Association of Orthopedic Surgery Post-Graduate Seminar. Amelia Island, FL. Didactic lecture on the evaluation and management of the mangled upper extremity (100 learners).
- 27. Management of the Mangled Upper Extremity: Bone, Vascular, and Soft Tissue Injuries. March 26, 2015. AAOS Annual Meeting. Las Vegas, NV. Didactic lecture on the evaluation and management of the mangled upper extremity (100 learners).

Continuing Medical Education (Regional/Local)

- 1. Complex Distal Radius Fractures: Management of Metadiaphyseal Bone Loss. May 11, 2017. Mayo Hand Meeting. Reviewed an algorithm to reconstruct complex distal radius fractures (40 learners).
- 2. **Wide-**Awake Hand Surgery: What is All the Hype and How Can We Make It Work? May 11, 2017. Mayo Hand Meeting. Discussed how to perform wide-awake hand surgery and methods to navigate the barriers to implementing this practice in the clinic or OR (40 learners).
- 3. **Percutaneous Pin Fixation for Hand Fractures:** Tips and Tricks. May 12, 217. Mayo Hand Meeting. Reviewed technical pearls for percutaneous pin fixation of phalanx and metacarpal fractures (40 learners).
- 4. **Upper Extremity Flap Course. Faculty**. February 27, 2016. Spring Branch, TX. Didactic and practical skills course reviewing common free tissue flap harvesting techniques and surgical exposures to the upper extremity (20 learners).
- 5. **Upper Extremity Flap Course. Faculty**. February 14, 2015. Spring Branch, TX. Didactic and practical skills course reviewing common free tissue flap harvesting techniques and surgical exposures to the upper extremity (30 learners).
- 6. Common Hand and Wrist Conditions: Evaluation, Management, and Injection Techniques. May 1, 2015. San Antonio Military Medical Center, Fort Sam Houston, TX.

Primary care grand rounds lecture on the evaluation and management of common hand and wrist conditions (100 learners).

- 7. Common Hand and Wrist Conditions: Evaluation, Management, and Injection Techniques. March 5, 2015. Lackland AFB, TX. Primary care grand rounds lecture on the evaluation and management of common hand and wrist conditions (50 learners).
- 8. **Emergency War Surgery Course.** May 2014. Lackland AFB, TX. Instructed orthopedic and general surgeons on the techniques for upper and lower extremity fasciotomies and external fixation on cadaveric specimens (30 learenrs).

Mentorship

- 1. **Brad Hyatt, MD.** Orthopedic Surgery Resident at the San Antonio Uniformed Services Health Education Consortium (SAUSHEC). 2013 Present. Mentored Dr. Hyatt with 1 peerreviewed publication, 2 ongoing hand surgery research studies, candidate membership into the ASSH, successful matriculation into the Hand Center of San Antonio Hand Surgery Fellowship Program, and future appointment at the Walter Reed National Military Medical Center as a hand and microvascular surgeon.
- Benjamin Plucknette, DO. Orthopedic Surgery Resident (SAUSHEC. 2013 Present. Mentored Dr. Plucknette through 2 ongoing hand surgery research studies, candidate membership with the ASSH, successful matriculation into the Philadelphia Hand Center Hand Surgery Fellowship Program.
- 3. **Ian Mullikin, MD.** Orthopedic Surgery Resident (SAUSHEC. 2013 Present. Mentored Dr. Mullikin into candidate membership with the ASSH, 1 ongoing hand surgery research study, and current application to hand surgery fellowships.

Academic Career Development

- 1. 49th Annual AAOS Orthopedic Educators Course. Rosemont, IL. November 6-10. Extensive course discussing various teaching philosophies, methods of teaching in the clinic and operating room, trainee selection, managing difficult trainees, curriculum development, and mentorship.
- 2. **New Faculty Education Course.** San Antonio Uniformed Services Health Education Consortium. October 2013. 3 day course discussing teaching philosophy, career development, and mentorship.

INTRAMURAL/DEPARTMENTAL/INSTITUTIONAL ACTIVITIES:

Departmental

San Antonio Military Medical Center, Fort Sam Houston, TX

2015 – 2017 **Residency Review Committee.** Hand surgery representative in evaluating the orthopedic surgery residency curriculum and ACGME surveys.

2014 – 2017 **Clinical Competency Committee.** Reviewed orthopedic surgery resident performance and developed remediation plans for struggling residents.

Mayo Clinic, Rochester, MN

2017 - Present Mayo Clinic Department of Orthopedic Surgery Education Committee.

Division of Hand Surgery faculty member on the orthopedic surgery education committee to discuss methods to improve the Mayo Clinic orthopedic surgery residency program and the fellowship programs within the department of orthopedic surgery.

2017 – Present	Mayo Clinic Department of Orthopedic Surgery Clinical Competency
	Committee. Division of Hand Surgery representative to review orthopedic surgery
	resident performance and ACGME milestones.

2009 – 2013 Mayo Graduate Education Committee (GEC) for Surgical Subspecialities. 2009 to present. Resident member on the GEC committee to provide a trainee's point of

view on how to improve surgical residency/fellowship education.

2012 - 2013 Mayo Clinic Department of Orthopedic Surgery Education Committee.

Hand surgery fellow member on the orthopedic surgery education committee to discuss methods to improve the Mayo Clinic orthopedic surgery residency program and the fellowship programs within the department of orthopedic surgery.

2012 – 2013 Mayo Clinic Department of Orthopedic Surgery Practice Committee. 2012.

Chief resident member of the departmental practice committee to review and update the practice policies of orthopedic consultants, resident/fellows, and ancillary staff members.

2009 – 2012 **Reviewer.** Mayo Clinic Orthopedic Research Review Committee

Administrative Orthopedic Chief Resident. Responsible for constructing the

Spring orthopedic call schedule and to serve as a liaison between the orthopedic

department and nursing staff with orthopedic trainees.

Fall 2011 Saint Mary's Hospital Resident Liaison. To ensure proper communication and

resolution of conflict between orthopedic nursing staff and orthopedic trainees.

Institutional

Mayo Clinic, Rochester, MN

2017 – Present Veterans Mayo Employee Resource Group (MERG). Serves as co-chair for the

Veterans MERG to serve as a resource for Mayo Clinic employees that are

reservists, veterans, or retirees from the U.S. armed forces.

San Antonio Military Medical Center, Fort Sam Houston, TX

2014 – 2015 Element Leader. Point of contact for all United States Air Force personnel within

the Orthopedic Surgery division, as part of the 959th Medical Operations Squadron.

STEPPS to the operating room daily protocol.

COURSES ATTENDED:

Oct. 2016	Advanced Techniques in Peripheral Nerve Surgery (Axogen). Nashville, TN.
Sept. 2015	Ultrasound in the Upper Extremity, Seattle, WA.
July 2014	Expeditionary Medical Support Course, Camp Bullis, TX.
May 2014	Emergency War Surgery Course, Lackland AFB, TX.
May 2014	Advanced Surgical Skills for Exposure in Trauma (ASSET), Lackland AFB, TX.
Dec. 2012	Disaster response course (SOMOS/AAOS). Naples, FL.
Nov. 2012	AO advanced trauma course (AO). Toronto, ON
Jan. 2012	Advanced wrist and hand fixation seminar (TriMed). Las Vegas, NV.
Jan. 2012	Comprehensive hand review course (AAHS). Las Vegas, NV.
Jan. 2012	Update on flexor tendon injury management (AAHS). Las Vegas, NV.
Jan. 2012	Local flaps for finger defects (AAHS). Las Vegas, NV.

Regional pedicled flaps for emergency coverage of hand wounds (AAHS). Las
Vegas, NV.
Scaphoid fractures and non-unions (ASSH). Las Vegas, NV.
Advanced hand and wrist fracture course (Synthes). St. Paul, MN
Back to the basics: Hip and knee arthroplasty course (MAOA). Tucson, AZ.
Minimally invasive percutaneous osteosynthesis (Stryker). Fort Lauderdale, FL
Orthopedic review course (AAOS). New Orleans, LA
Athletic injuries of the hand (AAOS). New Orleans, LA
10 most common upper extremity surgeries (AAOS). New Orleans, LA
What every resident should know about distal radius fractures (AAOS). New
Orleans, LA
Combat extremity trauma course (SOMOS). Honolulu, HI.
Microvascular surgery course. Rochester, MN.
Prosthetics and orthotics course. Rochester, MN.
Basics in Arthroplasty (DePuy). San Diego, CA.
AO Basic Fracture Course. Madison, WI.

PRESENTATIONS:

- Rhee PC, Rhee LS, Fischer M, McMillan H, Johnson AE. Cost Savings, Safety, and Patient Satisfaction for Wide-Awake Hand Surgery at a Military Medical Center: Critical Analysis of the First 100 Procedures. 71st Annual Meeting for the American Society for Surgery of the Hand. Austin, TX. September 29, 2016.
- 2. **Rhee PC,** Carlsen B, Shin AY. Trapeziectomy and thumb suspension plasty or ligament reconstruction, tendon interposition in patient younger than 55. 71st Annual Meeting for the American Society for Surgery of the Hand. Austin, TX. September 30, 2016.
- 3. Rhee PC, Rhee LS, Fischer M, McMillan H, Johnson AE. Cost Savings, Safety, and Patient Satisfaction for Wide-Awake Hand Surgery at a Military Medical Center: Critical Analysis of the First 100 Procedures. 57th Annual meeting for the Society of Military Orthopedic Surgeons. St. Petersburg, FL. December 11, 2015.
- 4. **Rhee PC,** Lin I, Moran S, Shin A, and Bishop A. Scaphocapitate Fusion in the Management of Kienbock's Disease. Annual Meeting for the American Academy of Orthopedic Surgeons. New Orleans, LO. March 11-15, 2014.
- Rhee PC, Jones DB, Moran S, and Shin A. The Affect of Lunate Morphology in Kienbock's Disease. Mid-America Orthopedic Association Annual Meeting. San Antonio, TX. April 24, 2014.
- Rhee PC, Jones DB, Moran S, and Shin A. The Affect of Lunate Morphology in Kienbock's Disease. Annual Meeting for the American Association for Hand Surgery. Kauai, HI. January 9, 2014
- 7. **Rhee PC**, Becker HA, Torchia ME, Shin AY. Minimally Invasive Insertion and Rigid Fixation for Mid-Diaphyseal Clavicle Fractures. 68th Annual Meeting for the American Society for Surgery of the Hand. San Francisco, CA. October 3-5, 2013.
- 8. **Rhee PC,** Lin I, Moran S, Shin A, and Bishop A. Scaphocapitate Fusion in the Management of Kienbock's Disease. 68th Annual Meeting for the American Society for Surgery of the Hand. San Francisco, CA. October 3-5, 2013.
- 9. **Rhee PC**, Jones DB, Moran S, and Shin A. The Affect of lunate Morphology in Kienbock's Disease. International Wrist Investigators Workshop. San Francisco, CA. October 2, 2013.

- Rhee PC and Moran SL. Treatment of Distal Radius Fractures with a Novel Intra-Medullary Cage Device: Early Clinical and Radiographic Results. International Wrist Investigators Workshop. San Francisco, CA. October 2, 2013.
- Rhee PC, Becker HA, Torchia ME, Shin AY. Minimally Invasive Insertion and Rigid Fixation for Mid-Diaphyseal Clavicle Fractures. Mid-America Orthopedic Association Annual Meeting. Amelia Island, FL. April 19, 2012.
- 12. **Rhee PC** and Shin AY. Minimally Invasive Insertion and Rigid Fixation for Distal Radius Fractures. Mid-America Orthopedic Association Annual Meeting. Amelia Island, FL. April 18, 2013.
- 13. **Rhee PC**, Stuart M, Levy B, Holmes D, and Dahm D. A Translational Method to Assess Tibial Tunnel Volumetric Bone Mineral Density In Vitro and In Vivo. Mid-America Orthopedic Association Annual Meeting. Amelia Island, FL. April 18, 2013.
- 14. Glazebrook KN, Brewerton LJ, Leng S, Carter RE, Rhee PC, Murthy NS, Howe BM, Ringler MD, Dahm DL, Stuart MJ, McCollough CH, Fletcher JG. Dual Energy Computed Tomography for Evaluation of Anterior Cruciate Ligament Tear: Performance Comparison between Senior Level Resident and Subspecialty Trained Musculoskeletal Radiologist. 113th Annual meeting for the American Roentgen Ray Society. Washington D.C.. April 14, 2013.
- 15. **Rhee PC,** Lin I, Moran S, Shin A, and Bishop A. Scaphocapitate Fusion in the Management of Kienbock's Disease. 54th Annual meeting for the Society of Military Orthopedic Surgeons. Naples, FL. December 13, 2012.
- Kakar S, Yuan B, Rhee P, Jones D, and Moran S. Impaired functional outcome associated with perilunate injuries of the wrist. 54th Annual meeting for the Society of Military Orthopedic Surgeons. Naples, FL. December 13, 2012.
- 17. **Rhee PC**, Stuart M, Levy B, Holmes D, and Dahm D. A Translational Method to Assess Tibial Tunnel Volumetric Bone Mineral Density In Vitro and In Vivo. 54th Annual meeting for the Society of Military Orthopedic Surgeons. Naples, FL. December 12, 2012.
- 18. Sassoon A, Schoch B, **Rhee PC**, Schleck C, Harmsen W, Sperling J, and Cofield RH. The role of eccentric and offset humeral head variations in total shoulder arthroplasty. 54th Annual meeting for the Society of Military Orthopedic Surgeons. Naples, FL. December 12, 2012.
- 19. Kakar S, Yuan B, **Rhee P**, Jones D, and Moran S. Impaired functional outcome associated with perilunate injuries of the wrist. Annual meeting of the Orthopedic Trauma Association. Minneapolis, MN. October 4-6, 2012.
- 20. **Rhee PC** and Shin AY. Minimally Invasive Insertion and Rigid Fixation for Distal Radius Fractures. Annual Meeting for the American Society for Surgery of the Hand. Chicago, IL. September 5-8, 2012.
- 21. **Rhee PC**, Becker HA, Torchia ME, Shin AY. Minimally Invasive Insertion and Rigid Fixation for Mid-Diaphyseal Clavicle Fractures. Minnesota Orthopedic Society Annual Meeting. St. Paul, MN. April 27, 2012.
- 22. **Rhee PC**, Kircher M, Spinner RJ, Bishop AT, and Shin AY Prevalence and Surgical Outcomes of Spinal Cord Injury Syndromes in the Adult Patient with Traumatic Brachial Plexus Injuries. Mid-America Orthopedic Association Annual Meeting. Bonita Springs, FL. April 18-22, 2012.

- Rhee PC, Shin A. Four-corner arthrodesis with a locking, dorsal circular polyether-ether ketone (PEEK-Optima) plate. Mid-America Orthopedic Association Annual Meeting. Bonita Springs, FL. April 18-22, 2012.
- 24. Sassoon A, Schoch B, **Rhee PC**, Schleck C, Harmsen W, Sperling J, and Cofield RH. Comparison of 2nd to 3rd generation humeral heads in total shoulder arthroplasty. Mid-America Orthopedic Association Annual Meeting. Bonita Springs, FL. April 18-22, 2012.
- 25. Kakar S, Yuan B, Rhee P, Jones D, and Moran S. Impaired functional outcome associated with perilunate injuries of the wrist. Annual meeting for the American Association for Hand Surgery. Las Vegas, NV. January 13, 2012.
- Rhee PC, Lin I, Moran S, Shin A, and Bishop A. Scaphocapitate fusion in the management of Kienbock's disease. Annual meeting for the American Association for Hand Surgery. Las Vegas, NV. January 13, 2012.
- 27. **Rhee PC,** Shin A. Four-corner arthrodesis with a locking, dorsal circular polyether-ether ketone (PEEK-Optima) plate. 53rd Annual meeting for the Society of Military Orthopedic Surgeons. San Diego, CA. December 2011.
- 28. **Rhee PC,** Novias E, Shive T, Shin AY. Chondroblastoma with Secondary Aneurysmal Bone Cyst of the Hamate: A Case Report. 53rd Annual meeting for the Society of Military Orthopedic Surgeons. San Diego, CA. December 2011.
- 29. Sassoon A, **Rhee PC**, Schleck C, Harmsen W, Sperling J, and Cofield R. Long term results of revision total shoulder arthroplasty for glenoid arthrosis: The non-traumatic shoulder. 53rd Annual meeting for the Society of Military Orthopedic Surgeons. San Diego, CA. December 2011.
- 30. **Rhee PC**, Kircher M, Spinner RJ, Bishop AT, and Shin AY Prevalence and Surgical Outcomes of Spinal Cord Injury Syndromes in the Adult Patient with Traumatic Brachial Plexus Injuries. 53rd Annual meeting for the Society of Military Orthopedic Surgeons. San Diego, CA. December 2011.
- 31. **Rhee PC**, Holmes D, Murthy N, Stuart M, Levy B, and Dahm D. Bone mineral density assessment of the tibial tunnel for anterior cruciate ligament reconstruction: A novel technique in cadaveric specimens. 53rd Annual meeting for the Society of Military Orthopedic Surgeons. San Diego, CA. December 2011.
- 32. **Rhee PC**, Kircher M, Spinner RJ, Bishop AT, and Shin AY Prevalence and Surgical Outcomes of Spinal Cord Injury Syndromes in the Adult Patient with Traumatic Brachial Plexus Injuries. Adrian Flatt Resident Conference. 66th Annual meeting for the American Society Surgery of the Hand. Las Vegas, NV. September 8, 2011.
- 33. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Revision Total Shoulder Arthroplasty for Painful Glenoid Arthrosis Following Humeral Head Replacement: The Post-Traumatic Shoulder. Southern Orthopaedic Association Annual Meeting. Kohala Coast, Big Island, HI. July 20-23, 2011.
- 34. Rhee PC, Thoreson A, An K, Stuart M, Dahm D, and Levy B. Delta Screw versus RetroScrew Tibial Fixation for ACL Reconstruction in an Osteoporotic Cadaveric Model. International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Congress. Rio de Janeiro, Brazil. May 15-19, 2011.
- 35. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Effect of Antegrade versus Retrograde Tibial Interference Screw Fixation on Intra-articular Graft Tension. International

- Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine Congress. Rio de Janeiro, Brazil. May 15-19, 2011.
- Rhee PC, Kircher M, Spinner R, Bishop A, and Shin A. Concomitant Spinal Cord Injuries in Adult Patients with Traumatic Brachial Plexus Injuries. Mid-America Orthopedic Association Annual Meeting. Tucson, AZ. April 6-10, 2011.
- 37. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Delta Screw versus RetroScrew Tibial Fixation for ACL Reconstruction in an Osteoporotic Cadaveric Model. Arthroscopic Association of North America. San Francisco, CA. April 14-16.
- 38. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Stem Exchange: Implications in Revision Total Shoulder Arthroplasty for the Painful Hemiarthroplasty. American Academy of Orthopedic Surgeons. San Diego, CA. February 17, 2010.
- 39. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Delta Screw versus RetroScrew Tibial Fixation for ACL Reconstruction in an Osteoporotic Cadaveric Model. 52nd Annual meeting for the Society of Military Orthopedic Surgeons. Vail, CO. December 2010.
- 40. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Long term results of revision total shoulder arthroplasty for glenoid arthrosis: The post-traumatic shoulder. 52nd Annual meeting for the Society of Military Orthopedic Surgeons. Vail, CO. December 2010.
- 41. **Rhee PC**, Kircher M, Spinner R, Bishop A, and Shin A. Concomitant Spinal Cord Injuries in Adult Patients with Traumatic Brachial Plexus Injuries. 52nd Annual meeting for the Society of Military Orthopedic Surgeons. Vail, CO. December 2010.
- 42. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Delta Screw versus RetroScrew Tibial Fixation for ACL Reconstruction in an Osteoporotic Cadaveric Model. Kelly Award Finalist Presentation. Rochester, MN. November 19, 2010
- 43. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Revision Total Shoulder Arthroplasty for Painful Glenoid Arthrosis Following Humeral Head Replacement. American Shoulder and Elbow Surgeon Society Closed Meeting. Scottsdale, AZ. October 22, 2010.
- 44. **Rhee PC**, Kircher M, Spinner R, Bishop A, and Shin A. Concomitant Spinal Cord Injuries in Adult Patients with Traumatic Brachial Plexus Injuries. Adrian Flatt Resident Conference. 65th Annual meeting for the American Society Surgery of the Hand. October 6, 2010.
- 45. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Revision Total Shoulder Arthroplasty for Painful Glenoid Arthrosis Following Humeral Head Replacement. International Conference on Surgery of the Shoulder and Elbow. Edinburgh, Scotland. September 5-8, 2010.
- 46. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Effect of Antegrade versus Retrograde Tibial Interference Screw Fixation on Intra-articular Graft Tension. Mid-America Orthopedic Association. Austin, TX. April 21, 2010.
- Rhee PC, Sassoon A, Dahm DL. Arthroscopic Excision of Localized Pigmented Villonodular Synovitis: Long Term Functional Results. Mid-America Orthopedic Association. Austin, TX. April 21, 2010.

- 48. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Biomechanical Comparison of Single Versus Dual Intra-tunnel ACL Tibial Fixation in an Osteoporotic Model. Mid-America Orthopedic Association. Austin, TX. April 21, 2010.
- 49. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Long Term Results of Revision Total Shoulder Arthroplasty for Glenoid Arthrosis. Mid-America Orthopedic Association. Austin, TX. April 21, 2010.
- Rhee PC, Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Long Term Results
 of Revision Total Shoulder Arthroplasty for Glenoid Arthrosis. Mayo Clinic Young
 Investigators Research Symposium. Rochester, MN. March 28-29, 2010.
- 51. **Rhee PC,** Sassoon A, Schleck C, Harmsen W, Sperling J, and Cofield R. Long Term Results of Revision Total Shoulder Arthroplasty for Glenoid Arthrosis. American Academy of Orthopedic Surgeons. New Orleans, LA. March 9, 2010.
- 52. **Rhee PC,** Woodcock J, Sucato D, Beaule P, Millis M, Clohisy J, Trousdale R, and Sierra R. Inter- and Intra-observer Reliability of Shenton's Line in Diagnosing Developmental Dysplasia of the Hip. Mid-America Orthopedic Association. Austin, TX. April 21, 2010.
- 53. **Rhee PC,** Thoreson A, An K, Stuart M, Dahm D, and Levy B. Effect of Antegrade versus Retrograde Tibial Interference Screw Fixation on Intra-articular Graft Tension. 51st Annual meeting for the Society of Military Orthopedic Surgeons, Honolulu, HI. December 16, 2009.
- 54. **Rhee PC** and Dahm D. Prospective Evaluation of Bone Mineral Density Loss in Women Following Anterior Cruciate Ligament Reconstruction. 5th Annual Women's Health Research Conference, University of Minnesota Twin Cities, September 22, 2008.
- 55. **Rhee PC,** Moran SL, and Shin AY. Association of Lunate Morphology and Carpal Collapse in Cases of Scapholunate Dissociation. Adrian Flatt Resident Conference, 63rd Annual meeting for the American Society for Surgery of the Hand. September 17, 2008.

CLINICAL PRACTICE, INTERESTS, AND ACCOMPLISHMENTS:

<u>Clinical Practice</u>: Degenerative and traumatic treatment of hand, wrist, elbow, and shoulder pathology. Special interest in secondary reconstruction of joint, peripheral nerve, soft tissue, and tendon injuries. Including free tissue transfer and brachial plexus reconstruction.

<u>Interest:</u> Multidisciplinary care for reconstruction of post-traumatic pathology, particularly in military service members. Providing clinic-based wide awake hand surgery.

Accomplishment: Successfully created the San Antonio Military Medical Center Emergency Microvascular Surgery Program in conjunction with the Southwest Texas Regional Advisory Council to provide emergency hand surgery and microvascular support to south central Texas in 2013.

Created a clinic-based wide awake hand surgery program for the San Antonio Military Health System at the San Antonio Military Medical Center providing surgery in the clinic setting that results in nearly \$400,000 cost-savings for the Department of Defense with results published in the Journal of Hand Surgery.

RESEARCH INTERESTS:

1. **Rhee PC (PI)**, Jeardeu T, Toomey S, Jensen K, Bishop AT, Shin AY. Triceps motor loss after a Leechavengvong procedure. *In progress*.

- 2. **Rhee PC (PI)**, Jeardeu T, Toomey S, Jensen K, Bishop AT, Shin AY. Hand intrinsic motor loss after an Oberlin procedure. *In progress*.
- 3. **Rhee PC (PI)**, Kircher M, Spinner RJ, Bishop AT, and Shin AY. Prevalence and Surgical Outcomes of Spinal Cord Injury Syndromes in the Adult Patient with Traumatic Brachial Plexus Injuries. *Submitted* to J of Hand Surgery Am. May 2014.
- 4. Kakar S, Yuan B, **Rhee P**, Jones D, and Moran S. Perilunate Fracture Dislocations: A Case Series. *In manscript*.
- 5. **Rhee PC (PI)** and Dahm D. Prospective evaluation of bone mineral density loss in women following anterior cruciate ligament reconstruction. *In manuscript*.
- 6. **Rhee PC (PI)** and Shin AY. Trapeziectomy and thumb suspensionplasty in the setting of scaphoidectomy or proximal row carpectomy. *In progress*.
- 7. **Rhee PC (PI)** and Shin AY. Concomitant scapholunate ligament repair and trapeziectomy with ligament reconstruction, tendon interposition. *In progress*.
- 8. **Rhee PC (PI),** Jones DB, Shin AY. Trapeziectomy and thumb suspensionplasty or ligament reconstruction, tendon interposition in patient younger than 55. *In manuscript*.
- 9. **Rhee PC (PI)**, Becker HA, Torchia ME, Shin AY. Minimally invasive flexible insertion and rigid intramedullary fixation for clavicle fracture. *In progress*.
- 10. **Rhee PC (PI)**, Stuart M, Levy B, Holmes D, and Dahm D. Translation of biomechanical to clinical ACL studies utilizing a novel method of tibial tunnel BMD assessment with quantitative computed tomography. *In progress*.
- 11. **Rhee PC (PI)**, Holmes D, Stuart M, Levy B, and Dahm D. Proximal tibial BMD in patients with ACL injuries. *In progress*.

EDUCATIONAL PRACTICE, INTEREST, AND ACCOMPLISHMENTS

Educational Practice: Hand surgery rotation curriculum director for the orthopedic surgery residency SAUSHEC.

<u>Interest:</u> Special interest in enhancing resident and fellow education to millenials and adopting high fidelity methods to cultivate surgical skills.

<u>Accomplishments:</u> Restructured the hand surgery rotation at SAUSHEC to focus on resident case based learning and supervised autonomy. Received 3 year accreditation for the Army Institute of Surgical Research Microvascular Surgery Training Center. Honored as teacher of the year in 2015.

RESEARCH GRANTS AWARDED:

Extramural

- 1. Major Extremity Trauma Research Consortium (METRC): \$4,500
- 2. Axogen Inc: \$336.00 per screening visit, \$168.00 per follow-up visit (max 4 visits)
- 3. Department of Defense: \$169,460
- 4. National Institute of Health: \$177,614

Intramural

- 5. Mayo Clinic Sports Medicine Discretionary Fund Grant (\$5,000). 2010.
- 6. Mayo Clinic Orthopedic Research Review Committee Small Grant Award (\$5,000). 2010.

BIBLIOGRAPHY

Peer-reviewed (In print/Accepted)

- 1. Troianello T, Yancosek K, **Rhee PC**. Unilateral Hand Training on Functional Performance in Patients with Upper Extremity Trauma. J Hand Ther. 2017 Nov 29 (Epub ahead of print). PMID: 29198476
- 2. **Rhee PC**, Rhee LS, Fischer M, McMillan H, Johnson AE. Cost Savings, Safety, and Patient Satisfaction for Wide-Awake Hand Surgery at a Military Medical Center: Critical Analysis of the First 100 Procedures. J Hand Surg Am. 2017 Mar;42(3):e138-3147.
- 3. **Rhee PC**, Medoff RJ, Shin AY. Complex Distal Radius Fractures: An Anatomical Algorithm for Surgical Management. J Am Acad Orthop Surg. 2017 Feb;25(2):77-88.
- 4. **Rhee PC**, Shin AY. Management of Complex Distal Radius Fractures: Review of Treatment Principles and Select Surgical Techniques. J of Hand Surg Asian Pacific. 2016;21(2):1-15.
- 5. Hyatt B, **Rhee PC**, Moran SL, Steinmann S. Absent Ring Finger Flexor Digitorum Profundus Presenting as a Jersey Finger: Case Report and Review of the Literature. J Hand Surg Am. 2016 May;41(5):e95-7.
- 6. Rambau G, Rhee PC. Evaluation and Management of Nondisplaced Scaphoid Waist Fractures in the Athlete. Oper Tech in Sports Med. 2016 June;24(2):87-93.
- 7. Hyatt B, **Rhee PC**. Longitudinal Split Tears of the Ulnotriquetral Ligament. Oper Tech in Sports Med. 2016 June;24(2):126-130.
- 8. Cates R, **Rhee PC**, Kakar S. Multiple Volar Carpometacarpal Dislocations: Case Report/Review of the Literature. J Wrist Surg. 2016 Aug;5(3):236-40.
- 9. Sheean AJ, Tintle SM, **Rhee PC**. Soft tissue and wound management of blast injuries. Curr Rev Musculoskeletal Med. 2015 Sep;8(3)265-71.
- 10. **Rhee PC**, Jones DB, Moran S, and Shin A. The Effect of Lunate Morphology and Kienbock Disease. J Hand Surg Am. 2015 Apr;40(4):738-44.
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