

Stanford



Eugene Y. Roh

Clinical Assistant Professor, Orthopaedic Surgery

CLINICAL OFFICES

- **Stanford University Dept of Orthopaedic Surgery**
450 Broadway St
Pavilion C MC 6342
Redwood City, CA 94063
Tel (650) 723-5643 **Fax** (650) 721-3470

ACADEMIC CONTACT INFORMATION

- **Academic Office**
Elizabeth Medina - Administrative Associate
Email emmedina@stanford.edu

Bio

BIO

Dr. Roh is a sports medicine specialist treating sports-related injuries from weekend warriors to professional athletes and Olympians with non-operative treatments including innovative ultrasound-guided minimally invasive interventions and "regenerative medicine." These procedures treat injuries in the shoulder, elbow, achilles and other joints.

He serves as a team physician for many elite sports teams including Stanford varsity and Team USA during the Olympic games. He also acted as a medical director for international events including the world ice hockey championship.

Dr. Roh's research interests include non-surgical treatment outcome including "regenerative medicine" and application of ultrasound to assess tendinopathy and other musculoskeletal injuries.

CLINICAL FOCUS

- Non-operative Biologic treatment (PRP, Fat derived graft or bone marrow)
- Sports Injuries
- Musculoskeletal and Sports Ultrasound Medicine
- Tendinopathy
- Physical Medicine and Rehab
- Musculoskeletal Regenerative Medicine
- Platelet-Rich Plasma
- Osteoarthritis

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Orthopaedic Surgery

ADMINISTRATIVE APPOINTMENTS

- SF 49ers, Consultant in Sports ultrasound and Orthobiologics injection treatment, Stanford University Sports Medicine, (2013- present)
- Golden State Warriors, Consultant in Sports ultrasound and Orthobiologics injection treatment, Stanford University Sports Medicine, (2014-2019)
- Team Physician, Stanford Athletic Department, (2013- present)
- Site Director, Residency Program PM&R, Stanford, (2015- present)
- Director, Stanford Musculoskeletal Sports Ultrasound Medicine Service, (2011- present)
- Member and Venue Medical Officer, 2018 Winter Olympic Organizing Committee, Medical division, (2016- present)
- Team Physician, USOC Team USA for 2018 Olympic games, (2017-2018)

HONORS AND AWARDS

- Best Teaching Award, Stanford PM&R (2016)
- Arbor Free Clinic Chief Resident Award, Stanford University, Physical Medicine and Rehabilitation (2010)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Faculty and Mentor, Stanford ACGME PM&R Sports Medicine Fellowship (2011 - present)
- Primary team physician, Stanford Athletics (2011 - present)
- Committee Member, Stanford PM&R Education committee (2011 - present)
- Didactics organizer, Stanford PM&R Resident Musculoskeletal (2011 - present)
- Reviewer, Journal of Ultrasound Medicine (2014 - present)
- Member, American Registry For Diagnostic Medical Sonography (2011 - present)
- Member, Association of Academic Physiatrists (2011 - present)
- Member, American Medical Society for Sports Medicine (2011 - present)
- Member, American Board of Physical Medicine & Rehabilitation (2011 - present)
- Member, American Association of Physical Medicine & Rehabilitation (2011 - present)
- Member, American Association of Pain Management in Ultrasound (2011 - present)
- Member, American Board of Internal Medicine (2011 - present)
- Member, American Institute of Ultrasound in Medicine (2011 - present)

PROFESSIONAL EDUCATION

- Residency: MetroWest Medical Center Transitional Year (2007) MA
- Board Certification: Sports Medicine, American Board of Physical Medicine and Rehab (2012)
- Residency: Stanford Hospital and Clinics (2010) CA
- Fellowship: Harvard Medical School MGH - Spaulding Rehabilitation Hospital (2011) MA
- Medical Education: Yonsei University College Of Medicine (1999) South Korea
- Board Certification, Sports Medicine , American Board of PM&R, ABFM (2012)
- Board Certification, Musculoskeletal Ultrasound , ARDMS (American Registry for Diagnostic Medical Sonography) (2012)
- Board Certification: Physical Medicine and Rehab, American Board of Physical Medicine and Rehab (2011)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2007)

COMMUNITY AND INTERNATIONAL WORK

- 2018 Winter Olympic games

- 2018 Winter Olympic Organization, South Korea

LINKS

- <http://med.stanford.edu/news/all-news/2018/02/5-questions-eugene-roh-on-serving-as-team-usa-physician.html>: <http://med.stanford.edu/news/all-news/2018/02/5-questions-eugene-roh-on-serving-as-team-usa-physician.html>
- Research gate: Eugene Roh on ResearchGate

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

SCHOLARLY PUBLICATIONS

1. Peer-reviewed articles

1. Steele K, Roh EY, Ladd A, Rose J. Rotational velocity of the elite golf swing: Benchmarks for amateurs. *Journal of Applied Biomechanics*. Submitted.

2. Poster presentation and abstract

1. Lyly Minh, Roh EY, Distal Clavicular Osteolysis Associated with Hand-to- Hand and Combat: A Case Report, 2013 AAPM&R annual assembly
2. Dutton R, Klima R, Roh EY. Pelvic Digit As An Unusual Cause of Hip Pain: A Case Report, 2013 AAPM&R annual assembly
3. Patel A, Roh EY, Radicular Pain: A case Report, 2012 AAPM&R annual assembly
4. Roh EY, Mitra R. Chronic refractory coccydynia secondary to pilonidal cyst: A Case Report, 2010 AAPM&R annual assembly
5. Roh EY, Kay J. Use of digital pen and paper technology for collection of patient reported symptom and functional status improves physician documentation. Poster. 2005 American College of Rheumatology annual assembly.
6. Roh EY, Davis J. Clinical Characteristics of a US cohort of spondylitis patients. 2004 American College of Rheumatology annual assembly.
7. Roh EY, Tethered cord development following conservative management of acute spinal epidural hematoma. 2015 AAP Annual Meeting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- PM& R Sports Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Effectiveness of Ultrasound-Guided Pulsed Radiofrequency Treatment in Patients with Refractory Chronic Cervical Radicular Pain.** *Pain physician*
Lee, S. H., Choi, H. H., Roh, E. Y., Chang, M. C.
2020; 23 (3): E265–E272
- **Orthobiologics for the Hip Region: A Narrative Review.** *PM & R : the journal of injury, function, and rehabilitation*
McInnis, K. C., Chen, E. T., Finnoff, J. T., Roh, E. Y., Borg Stein, J.
2020
- **Ultrasonographic measurement of the cross-sectional area of the axillary nerve** *MUSCLE & NERVE*
Yoon, J., Park, J., Levin, J., Roh, E. Y., Park, H., Won, S.
2019; 60 (1): 95–98
- **ULTRASONOGRAPHIC MEASUREMENT OF THE CROSS-SECTIONAL AREA OF THE AXILLARY NERVE.** *Muscle & nerve*
Yoon, J. S., Park, J. H., Levin, J., Roh, E. Y., Park, H. J., Won, S. J.

2019

- **Golf Swing Rotational Velocity: The Essential Follow-Through** *ANNALS OF REHABILITATION MEDICINE-ARM*
Steele, K. M., Roh, E. Y., Mahtani, G., Meister, D. W., Ladd, A. L., Rose, J.
2018; 42 (5): 713–21
- **Golf Swing Rotational Velocity: The Essential Follow-Through.** *Annals of rehabilitation medicine*
Steele, K. M., Roh, E. Y., Mahtani, G., Meister, D. W., Ladd, A. L., Rose, J.
2018; 42 (5): 713–21
- **Use of F-18-sodium fluoride bone PET for disability evaluation in ankle trauma: a pilot study** *BMC MEDICAL IMAGING*
Jeon, T., Kim, S., Park, J., Park, J., Roh, E. Y.
2018; 18: 34
- **Poster 156 Synovial Osteochondromatosis as a Rare Cause of Hip Pain: A Case Report.** *PM & R : the journal of injury, function, and rehabilitation*
Pun, M., Roh, E. Y.
2016; 8 (9S): S213-?
- **Comparison of Muscle Onset Activation Sequences between a Golf or Tennis Swing and Common Training Exercises Using Surface Electromyography: A Pilot Study.** *Journal of sports medicine (Hindawi Publishing Corporation)*
Vasudevan, J. M., Logan, A., Shultz, R., Koval, J. J., Roh, E. Y., Fredericson, M.
2016; 2016: 3987486-?
- **Atlas of Ultrasound-Guided Musculoskeletal Injections**
Malanga, G., Mautner, K., Roh, E. Y., et al
McGraw Hill Education.2013
- **The Relationship between Golf Swing Trunk Rotation Biomechanics and Low Back Pain in Golfers** *Spine*
Said, M., Johnson, E., Roh, E.
2013; Sep Oct: 21-26
- **Preseason Training for Golfers with Low Back Pain** *Spine*
Roh Eugene Y, Geraci M, Smuck M
2012; Jan Feb: 17-21
- **Basic Appearance of Ultrasound Structures and Pitfalls** *PHYSICAL MEDICINE AND REHABILITATION CLINICS OF NORTH AMERICA*
McDonald, S., Fredericson, M., Roh, E. Y., Smuck, M.
2010; 21 (3): 461-?

PRESENTATIONS

- Golf Swing Analysis - North America Spine Society(NASS) (10/10/2013 - 10/11/2013)
- Short Course on MSK Ultraosund - 2014 Walter Reed PM&R Annual Short Course (9/16/2014 - 9/19/2014)
- Introduction to Sports Medicine - Wonju Yonsei University (4/1/2014)
- Rehabilitation of Golfers with Low Back Pain - 2014 AAPM&R Annual Assembly (11/12/2014 - 11/15/2014)
- Medical Issues in Sports Medicine - MASS General Hospital Sports Medicine
- Advanced Therapeutic Exercises and Ultrasound-Guided Procedures for Illiotibial Band Syndrome - 2014 AAPM&R Annual Assembly (11/12/2014 - 11/15/2014)
- Ultrasound Evaluation of Carpal Tunnel Syndrome - 2014 AAPM&R Annual Assembly (11/12/2014 - 11/15/2014)