

RYU YOSHIDA

EDUCATION

Aug 2018 – July 2019	Stanford University Hand & Upper Limb Fellow <i>Program Director: Amy Ladd, MD</i>	Palo Alto, CA
July 2012 – June 2018	University of Connecticut Resident in Orthopaedic Surgery <i>Program Director: Augustus Mazzocca, MD</i>	Farmington, CT
Aug 2006 – June 2012	Tufts University School of Medicine M.D.	Boston, MA
Sept 2002 – June 2006	Massachusetts Institute of Technology B.S. in Biology and B.S. in Brain and Cognitive Sciences. (GPA5.0/5.0)	Cambridge, MA

LICENSURES

March 2018 – Present California Medical License

HONORS/AWARDS

June 2018	University of Connecticut Orthopaedic Surgery Residency Cavazos Award <ul style="list-style-type: none">“an honor bestowed on an individual by fellow residents. It is awarded yearly to the person we believe most closely exemplifies an outstanding, well-rounded resident, mentor, and role model.”
May 2018	Connecticut Orthopaedic Society 2018 Resident Research Award
March 2016	Runner up for Savio L-Y. Woo Young Researcher Award (International Symposium on Ligaments and Tendons)
July 2014 – June 2015	Carole & Ray Neag Orthopaedic Research Fellowship (University of Connecticut)
May 2012	William Dameshek Research Award (Tufts University School of Medicine)
Oct 2010	Charlton Poster Competition, 1st place in Medical/Veterinary/Dental division (Tufts University)
June 2006	Phi Beta Kappa Society (Massachusetts Institute of Technology)
June 2005	John L. Asinari Award (Massachusetts Institute of Technology) <ul style="list-style-type: none">For outstanding research in the field of life sciences at MIT

PEER-REVIEWED PUBLICATIONS

1. Soki FN, **Yoshida R**, Paglia DN, Duong LT, Hansen MF, Drissi H. “Articular cartilage protection in Ctsk^{-/-} mice is associated with cellular and molecular changes in subchondral bone and cartilage matrix.” *Journal of Cellular Physiology*. 2018. Epub ahead of print.
2. **Yoshida R**, Obopilwe E, Rodner CM. “Biomechanical Comparison of Fifth Carpometacarpal Fusion Methods: Kirschner Wires Versus Plate and Screws.” *Techniques in Orthopaedics*. 2017. Epub ahead of print.

3. Hagiwara Y, Nanno M, **Yoshida R**, Hashiguchi H, Takai S. "Small Syringe Needle Technique: a Modified Extension Block Pinning for Surgical Treatment of Mallet Fingers." *J Jpn Soc Surg Hand*. 2017. 33(6):1-4.
4. Kia C, **Yoshida R**, Divenere J, Geaney L. "First Metatarsophalangeal Contact Properties Following Proximal Opening Wedge and Scarf Osteotomies for Hallux Valgus Correction: A Biomechanical Study." *Foot Ankle Int*. 2017. 38(4):430-4435.
5. Weinreb JH, **Yoshida R**, Cote MP, O'Sullivan MB, Mazzocca AD. "A Review of Databases Used in Orthopaedic Surgery Research and an Analysis of Database Use in Arthroscopy: The Journal of Arthroscopic and Related Surgery." *Arthroscopy* 33(1):225-231. 2016.
6. Gibson JD, O'Sullivan MB, Alaei F, Paglia DN, **Yoshida R**, Guzzo RM, Drissi H. "Regeneration of Articular Cartilage by Human ESC-Derived Mesenchymal Progenitors Treated Sequentially with BMP-2 and Wnt5a." *Stem Cells Transl Med*. 2016. 6(1):40-50.
7. **Yoshida R**, Alaei F, Dyrna F, Kronenberg MS, Maye P, Kalajzic I, Rowe DW, Mazzocca AD, Dymant NA. "Murine supraspinatus tendon injury model to identify the cellular origins of rotator cuff healing." *Connect Tissue Res*. 2016. 57(6):507-515.
8. Mori Y, Adams D, Hagiwara Y, **Yoshida R**, Kamimura M, Itoi E, Rowe DW. "Identification of a progenitor cell population destined to form fracture fibrocartilage callus in Dickkopf-related protein 3-green fluorescent protein reporter mice." *J Bone Miner Metab*. 2015. 34(6):606-614.
9. Drissi H, Paglia DN, Alaei F, **Yoshida R**. "Constructing the toolbox: Patient-specific genetic factors of altered fracture healing." *Genes Dis*. 2014. 1(2):140-148.
10. **Yoshida R**, Cheng M, Murray MM. "Increasing platelet concentration in platelet-rich plasma inhibits anterior cruciate ligament cell function in three-dimensional culture." *J Orthop Res*. 2014. 32(2):291-5.
11. **Yoshida R**, Murray MM. "Peripheral Blood Mononuclear Cells Enhance the Anabolic Effects of Platelet-Rich Plasma on Anterior Cruciate Ligament Fibroblasts." *J Orthop Res*. 2013. 31(1):29-34.
12. **Yoshida R**, Vavken P, Murray MM. "Decellularization of bovine anterior cruciate ligament minimizes the immunogenic reactions by peripheral blood mononuclear cells to alpha-gal epitopes." *Knee*. 2012. 19(5):672-5.
13. Cheng M, Wang H, **Yoshida R**, Murray MM. "Platelets and plasma proteins are both required to stimulate collagen gene expression by anterior cruciate ligament cells in three-dimensional culture." *Tissue Engineering Part A* 2010. 16(5), 1479-89.

CHAPTERS/BOOKS

- **Yoshida R**, Baron S, Rodner CM. "Biologics in Hand Surgery." *Biologics in Orthopaedic Surgery*. Edited by Mazzocca AD, Lindsay A. Elsevier. 2018.
- **Yoshida R**, Wolf JM. "Thumb Carpometacarpal Arthroplasty." *Hand Surgery Update VI*. Edited by Hammert W, Murray P. American Society for Surgery of the Hand. 2016.
- **Yoshida R**, Wolf JM. "Tumors of the Skin: Benign." *Tumors of the Hand and Upper Extremity*. Edited by Athanasian EA, Jebson PJ, Kakar S, Murray PM. American Society for Surgery of the Hand. 2015.
- **Yoshida R**, Murray MM. "Scaffolds and Biologic Additives for ACL Surgery." *The ACL Handbook*. Edited by Murray MM, Vavken P, Fleming BC. Springer; 2013.
- Gawande A, **Yoshida R**. *Anata ha naze checklist wo tsukawanainoka?* Tokyo: Shinyusha publishing company; 2011. (Japanese translation of Dr. Atul Gawande's book The Checklist Manifesto).

PRESENTATIONS

- *Connecticut Orthopaedic Society Annual Meeting 2018*
Podium Presentation: **Yoshida R**, Lee M. “Demographics and Complications of Slipped Capital Femoral Epiphysis -from NSQIP database” May 2018.
- *13th Annual Symposium on Patient Safety & Continuous Quality Improvement*. June 2016.
Poster presentation: **Yoshida R**, Alex Dukas, Joseph Marchese, Taylor Wiley. “Quality Improvement: Regular Blade Replacements to Prevent Cast Saw Injuries” June 2017.
- *71st Annual Meeting of the American Society for Surgery of the Hand 2016*
iPoster presentation: Hagiwara Y, Nanno M, **Yoshida R**, Satake Y, Takai S. “Small Syringe Needle Technique: A Modification to Extension Block Pinning for Surgical Treatment of Mallet Fractures.” Sept 2016.
- *The 43rd Annual Meeting of the Japanese Society for Reconstructive Microsurgery 2016*
Poster presentation: Hagiwara Y, Nanno M, **Yoshida R**, Takai S. “Ulnar Parametacarpal Flap to Cover Defect from Flexor Digitorum Profundus Repair and Dupuytren's Contracture Release.” June 2016.
- *American Orthopaedic Foot and Ankle Society Annual Meeting 2016*
E-poster presentation: **Yoshida R**, Kia C, Divenere J, Geaney L. “First Metatarsophalangeal Contact Properties are Similar Following Proximal Opening Wedge and Scarf Osteotomies.” July 2016.
- *International Symposium on Ligaments & Tendons XV 2016*
Podium presentation: **Yoshida R**, Dymont N, Alae F, Mazzocca A, Rowe D. “Origin of Cells That Contribute to Murine Rotator Cuff Tendon Healing.” March 2016.
- *Orthopaedic Research Society 2015 Annual Meeting*
Poster presentation: Gibson JD, Alae F, Paglia DN, **Yoshida R**, DeBerardino T, Guzzo R, Drissi H. “Wnt5a Treatment of Embryonic Stem Cell Progenitors Promotes Cartilage Repair in a Rat Chondral Defect Model.” March 2015.
- *Jesse B. Jupiter International Hand Forum 2014*
Podium presentation: **Yoshida R**, Obopilwe E, Rodner C. “Biomechanical Comparison of Fifth Carpometacarpal Fusion Methods: K-wire versus Plate.” May 2015.
- *American Academy of Orthopaedic Surgeons 2012 Annual Meeting*
Podium presentation: **Yoshida R**, Cheng M, Murray MM. “Increasing Platelet Concentration in PRP inhibits ACL Cell Function.” March 2012.
- *Orthopaedic Research Society 2011 Annual Meeting*
Podium presentation: **Yoshida R**, Vavken P, Murray MM. “Decellularization of bovine anterior cruciate ligament minimizes the immunogenic reactions by peripheral blood mononuclear cells to alpha-gal epitopes.” March 2011.
- *Orthopaedic Research Society 2011 Annual Meeting*
Poster presentation: **Yoshida R**, Vavken P, Murray MM. “Peripheral blood mononuclear cells enhance the effect of platelet-rich plasma on collagen gene expression by anterior cruciate ligament fibroblasts in three-dimensional culture.” March 2011.

Free healthcare clinic affiliated with Tufts University School of Medicine.

2004 – 2006

Special Olympics Massachusetts

Coached a gymnastics team of children with mental retardation. Led the team to compete at Special Olympics Massachusetts.

INTERESTS

Music (drum set), Cooking, Tennis, Chess, spending time with my children