

Justin Chan

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Education

B.S. General Biology, <i>cum laude</i> University of California, San Diego, La Jolla, CA	2005-2009
Doctor of Medicine University of California, San Diego School of Medicine, La Jolla, CA	2009-2013
Orthopedic Surgery Residency Northwestern McGaw Medical Center, Chicago, IL	2013-2018
Hand and Upper Extremity Fellowship Christine M. Kleinert Institute for Hand and Microsurgery, Louisville, KY	2018-2019

License and Certification

State of Illinois Medical License	2013-2018
State of Kentucky Medical License	2018-2019
State of Indiana Medical License	2018-2019
State of California Medical License	Current
Diplomate of the American Board of Orthopedic Surgery (Board Certified)	Current

Honors & Awards

Phi Beta Kappa Honors Society	2008
University Health Consortium Patient Satisfaction Rankings	2014

Presentations

Lee Y.P., Schwartz A, Girard P, O'Brien J, Ghofrani H, **Chan J.H.**, Adams S, Garfin S. "Analysis of Orthopaedic Residents' In-Training Scores and Complications Before and After the 80 Hour Work Rule." Poster presentation, American Academy of Orthopedic Surgeons. New Orleans, LA. March 2010.

Lee Y.P., Regev G, **Chan J.H.**, Zhang B, Taylor W, Kim C, Garfin S. "Evaluation of Hip Flexion Strength Following Extreme Lateral Lumbar Interbody Fusion: Is the Psoas Muscle Seriously Injured?" Poster presentation, North American Spine Society conference. Orlando, FL. October 2010

Chan J.H., Afra R. "A Survey of Clinical Practices and Physical Examination of Patellofemoral Instability Patients." Podium presentation, International Patellofemoral Study Group. San Diego, CA. June 2011.

Chan J.H., Ho B, Alvi H, Marra G. "The Relationship Between HgA1c and the Incidence of Adhesive Capsulitis." Podium presentation, Mid-America Orthopedic Association. Bonita Springs, FL. April 2016.

Chan, J.H., Perez H, Lee H, Saltzman M, Marra G. "Evaluation of Cerebral Oxygen Perfusion During Shoulder Arthroplasty Performed in the Semi-Beach Chair Position." Poster presentation, American Academy of Orthopedic Surgeons. New Orleans, LA. March 2017

Chan, J.H., Harold R.E., Muturi M.G., Havey R.M., Kalainov D.M. "Biomechanical Study of Extensor Tendon Lacerations Over the Finger Metacarpophalangeal Joints." Poster presentation, American Society for Surgery of the Hand. Boston, MA. September 2018.

Research

Chan J.H., Menon J.P., Mahajan R., Jandial R. "In Vivo Imaging of Cellular Transport." *Frontiers in Brain Repair*. Ed. Rahul Jandial, MD. New York: Springer Science+Business Media, 2009. 1-10. Print.

Lee Y.P., Regev G, **Chan J.H.,** Zhang B, Taylor W, Kim C, Garfin S. "Evaluation of Hip Flexion Strength Following Extreme Lateral Lumbar Interbody Fusion: Is the Psoas Muscle Seriously Injured?" *Spine J.* Oct 2013 1259-62

Chan J.H., Ho B, Alvi H, Saltzman M, Marra G. "The Relationship Between HgA1c and the Incidence of Adhesive Capsulitis." *J Shoulder Elbow Surg.* 2017 Oct;26(10):1834-1837

Chan, J.H., Harold R.E., Muturi M.G., Havey R.M., Kalainov D.M. "Biomechanical Study of Extensor Tendon Lacerations Over the Finger Metacarpophalangeal Joints." *Journal of Hand Surgery Global Online.* Jan 2019 15-20

Chan J.H., Perez H, Saltzman M, Marra G. "Evaluation of Cerebral Oxygen Perfusion During Shoulder Arthroplasty Performed in Semi-Beach Chair Position." *J Shoulder Elbow Surg.* 2020 Jan;29(1):79-85

Grants

Northwestern Department of Orthopedic Surgery Resident Research Grant: Grant Value - \$450
Project Title: "The Relationship Between HgA1c and the Incidence of Adhesive Capsulitis"
Project Dates: January 2015 - June 2015
Principal Investigator: Guido Marra, MD

Northwestern Department of Orthopedic Surgery Resident Research Grant: Grant Value - \$4,000
Project Title: "Biomechanical Analysis of Partial Extensor Tendon Lacerations over Metacarpophalangeal Joints."
Project Dates: January 2016 – Present
Principal Investigator: David Kalainov, MD

Medtronic: Grant Value - \$43,500
Project Title: "Evaluation of Cement Hypotension Syndrome and Cerebral Perfusion in Shoulder Arthroplasty Performed in Beach Chair Position."
Project Dates: November 2015 – Present

Principal Investigator: Guido Marra, MD

Northwestern Department of Orthopedic Surgery Resident Research Grant: Grant Value - \$4,000
Project Title: "Biomechanical Analysis of Partial Extensor Tendon Lacerations over Metacarpophalangeal Joints."

Project Dates: January 2016 – December 2017

Principal Investigator: David Kalainov, MD

OREF Resident Research Grant: Grant Value - \$5,000

Project Title: "Biomechanical Analysis of Partial Extensor Tendon Lacerations over Metacarpophalangeal Joints."

Project Dates: January 2016 – December 2017

Principal Investigator: David Kalainov, MD

Northwestern Center of Hand Surgery Mason Fund Grant: Grant Value – NA

Project Title: "Biomechanical Analysis of Partial Extensor Tendon Lacerations over Metacarpophalangeal Joints."

Project Dates: January 2016 – December 2017

Principal Investigator: David Kalainov, MD

Activities

UCSD Student Run Free Clinic, Orthopedic Specialty Clinic Manager Feb. 2010 – March 2011
San Diego, CA

Founding member, Project Nicaragua, UCSD Sept. 2005 – March 2009
La Jolla, CA

Volunteer, Healing Hearts Across Borders, UCSD Sept. 2005 – June 2009
Tijuana, Mexico

Representative, Department of Orthopaedic Surgery 2014-2015
Northwestern Feinberg School of Medicine Annual Residency Program Showcase, Chicago, IL

Departmental Presentations

- Femur and Distal Femur Fractures, Northwestern Resident Fracture Conference, 3/2015
- Kinesiology of the Upper Extremity, Northwestern Core Conference, 5/2015
- Upper Extremity Soft Tissue Coverage and Replants, Northwestern Chairman's Conference, 9/2015
- Genetic Basis of Disorders with Orthopedic Manifestations, Northwestern Core Conference, 9/2015
- Scapula and Clavicle Fractures, Northwestern Resident Fracture Conference, 11/2015
- Hand and Carpus Fractures, Northwestern Resident Fracture Conference, 5/2016
- Carpal Instability, Northwestern Chairman's Conference, 7/2016
- Acetabular Fractures, Northwestern Resident Fracture Conference, 10/2016
- Upper Extremity Small Joint Arthritis and Arthroplasty, 11/2016

- Glenohumeral Dislocation and Proximal Humerus Fractures, Northwetsern Resident Fracture Conference, 5/2017
- Distal Radius and Forearm Fractures, Northwestern Resident Fracture Conference, 7/2017
- Chronic Extensor Tendon Injuries and Deformities, Northwestern Chairman's Conference, 1/2018
- Amputations, Christine M. Kleinert Institute for Hand and Microsurgery Conference, 10/2018
- Small Joint Arthritis and Fusion, Christine M. Kleinert Institute for Hand and Microsurgery Conference, 11/2018
- Congenital Radioulnar Malformations, Christine M. Kleinert Institute for Hand and Microsurgery Conference, 4/2019
- Regeneration Tissue Matrix in Upper Extremity Reconstruction, Christine M. Kleinert Institute for Hand and Microsurgery Conference, 4/2019
- Tetraplegia, Christine M. Kleinert Institute for Hand and Microsurgery Conference, 6/2019

Meetings and Courses

- Chicago Trauma Symposium, Chicago, IL. 2013, 2014, 2015, 2016, 2017
- AO Trauma Basic Principles of Fracture Management Course, Houston, TX. 2014
- Orthopedic Trauma Association Advanced Resident Course, San Diego, CA. 2015
- Mid-America Orthopedic Association, Bonita Springs, FL. 2016.
- American Academy of Orthopedic Surgeons, New Orleans, LA. 2018
- American Society for Surgery of the Hand, Boston, MA. 2018
- Clinical Electrophysiology of the Upper Limb, Louisville, KY. 2018
- Louisville Microsurgery Teaching Course, Louisville, KY. 2018
- American Society for Surgery of the Hand, Las Vegas. 2019

Personal

Photography, music composition and production, automotive design, hiking, tennis, surfing