

## **CAROL ALICE LIN, MD, MA**

### CURRENT POSITION

**Cedars-Sinai Medical Center, Los Angeles, CA**  
Orthopaedic Trauma Surgeon 2014 – Present

### LICENSURE

**American Board of Orthopaedic Surgeons - Board Eligible** 2012 - present  
**California Medical License** 2008 - Present  
**California Fluoroscopy License** 2009 - Present  
**Minnesota Medical License** 2012 - 2014  
**DEA** 2009 - Present

### EDUCATION

**Cedars-Sinai Medical Center, Los Angeles, CA**  
Orthopaedic Trauma Association Accredited Fellowship 2013 – 2014  
Fellowship Director: Donald Wiss, MD

**University of Minnesota/Hennepin County Medical Center**  
Clinical Research Fellow 2012 - 2013  
Advisors: Marc Swiontkowski, MD; Andrew Schmidt, MD

**University of California, San Francisco, CA**  
Orthopaedic Surgery Residency 2008 - 2012

**University of California, San Francisco, CA**  
Global Health Clinical Scholars Program 2008

**University of California, San Francisco, CA**  
General Surgery Internship 2007-2008

**Washington University in St. Louis School of Medicine, St. Louis, MO**  
M.D., M.A. in Clinical Research 2002-2007

**Stanford University, Stanford, CA**  
B.S. Honors in Biology, B.A. in English Literature 1997-2001

### CURRENT RESEARCH PROJECTS

**Lin CA;** Westberg JR; Schmidt AH. "Acute Total Hip Arthroplasty versus Open Reduction Internal Fixation for Acetabular Fractures Involving the Posterior Wall in Patients < 65 years old: A Matched Cohort Analysis." Manuscript submitted to *Bone and Joint Journal*

**Lin CA;** the SPRINT Investigators. "Does Participation in a Randomized Clinical Trial Change Outcomes?: A Comparison of Patients Not Enrolled in the S.P.R.I.N.T. Tibia Fracture Trial." Manuscript submitted to, *Journal of Orthopaedic Trauma*, funded by OREF Young Investigator grant

**Lin CA;** the SPRINT Investigators. "Functional Outcomes after Intramedullary Fixation of Closed Tibial Fractures." Manuscript submitted to *Journal of Orthopaedic Trauma*, funded by OREF Young Investigator grant

Zapf, M; **Lin CA;** Moon C. "Knee Pain after Suprapatellar Versus Infrapatellar Nailing of Tibial Shaft Fractures." Data collection in progress.

Garlich, J; **Lin CA;** Moon C. "Functional outcomes after 'No Profile' Fixation of Patella Fractures" Data collection in progress.

Alayan, A; **Lin CA;** Moon C. "Biomechanical Properties of Buried Fixation for Transverse Patella Fractures" Data collection in progress. Funded by Accumed Research Grant.

## PUBLICATIONS

**Lin CA;** Schmidt AH. "Functional Outcomes after Total Hip Arthroplasty for the Acute Management of Acetabular Fractures: 1 to 14 year Follow Up." Manuscript accepted for publication, *Journal of Orthopaedic Trauma*

**Lin CA,** Takemoto S; Kandemir U; Kuo AC. "Mid-Term Outcomes in HIV-Positive Patients after Total Hip or Knee Arthroplasty." *J Arthroplasty* 2013 on-line first.

**Lin CA,** Kuo AC, Takemoto S. "Comorbidities and Perioperative Complications in HIV-Positive Patients Undergoing Primary Total Hip and Knee Arthroplasty." *J Bone Joint Surg Am.* 2013 Jun5; 95(11): 1028-36.

**Lin CA,** Manary MJ, Maleta K, Briend A, Ashorn P. "An energy-dense complementary food is associated with a modest increase in weight gain when compared with a fortified porridge in Malawian children aged 6-18 months. *J Nutr.* 2008 Mar;138(3): 593-8.

**Lin CA**, Boslaugh S, Ciliberto HM, Maleta K, Ashorn P, Briend A, Manary MJ. "A prospective assessment of food and nutrient intake in a population of Malawian children at risk for kwashiorkor." *J Pediatr Gastroenterol Nutr.* 2007Apr;44(4):487-93.

#### PRESENTATIONS

Lin CA, **Mirick G**, Schmidt AH. "The Use of Piperacillin/Taobactam in Type III Open Fractures of the Tibia." Podium Presentation, 2014 Minnesota Orthopaedic Society Annual Meeting. Minneapolis, MN. May 16, 2014

Lin CA; **Westberg JR**, Schmidt AH. "Acute Total Hip Arthroplasty versus Open Reduction Internal Fixation for Acetabular Fractures Involving the Posterior Wall in Patients < 65 years old: A Matched Cohort Analysis." Podium Presentation; 2014 Minnesota Orthopaedic Society Annual Meeting. Minneapolis, MN. May 16, 2014

**Lin CA**, Westberg JR, Schmidt AH. "Acute Total Hip Arthroplasty versus Open Reduction Internal Fixation for Acetabular Fractures Involving the Posterior Wall in Patients < 65 years old: A Matched Cohort Analysis." Podium Presentation; 2013 Orthopaedic Trauma Association Annual Meeting. Phoenix, AZ. October 9-12, 2013

**Lin CA**, the SPRINT Investigators. "Does a 6-month Wait Before Reoperation Improve Tibial Nonunion Rates?: A comparative examination of patients not enrolled in SPRINT." Podium Presentation; 2013 Orthopaedic Trauma Association Annual Meeting. Phoenix, AZ. October 9-12, 2013

**Lin CA**, Kuo AC, Takemoto S. "Epidemiology and Perioperative Complications in HIV/AIDS Patients Undergoing Primary Total Hip and Knee Arthroplasty." Northern California Orthopaedic Society 79<sup>th</sup> Annual Meeting. June 2, 2012.

"HIV and Arthroplasty: What is the Evidence?" UCSF Department of Orthopaedic Surgery Grand Rounds; San Francisco, CA, January 23, 2011.

**Lin CA**, Kuo AC, Takemoto S. "Epidemiology and Perioperative Outcomes in HIV/AIDS patients Undergoing Primary Total Hip and Knee Arthroplasty." Podium presentation, 2012 LeRoy C. Abbott –Verne T. Inman Lectureship/ Scientific Program; San Francisco, CA, May 10-11, 2012.

**Lin CA**, Manary MJ. "A prospective assessment of dietary intake in Malawian children at risk for the development of kwashiorkor." Podium presentation, 8th Commonwealth Congress on Diarrhoea and Malnutrition; Dhaka, Bangladesh, Feb 7<sup>th</sup> 2006.

#### POSTERS

**Lin CA**, Heels-Ansdell D; Schmidt AH. "The Intraoperative Interobserver Reliability of the Orthopaedic Trauma Association Open Fracture Classification versus the Gustilo-Anderson Classification." Poster; 2013 Orthopaedic Trauma Association Annual Meeting. Phoenix, AZ. October 9-12, 2013

**Lin CA**, Takemoto S, Lee N, Kuo AC. "Incidence of Complications following Total Joint Arthroplasty in HIV- and HCV-positive Patients: A Review of San Francisco General Hospital Records." Poster, UCSF Resident Clinical & Translational Research Symposium; San Francisco, CA, May 4, 2011

Ward D, Akhavan S, **Lin CA**, Kandemir U, Pekmezci M. "The Incidence and Significance of L5 Transverse Process Fractures in Adult Blunt Trauma." Poster, 2012 AAOS Annual Meeting; San Francisco, CA, Feb 7-11,2012.

Kharazia VN, Romano C, **Lin CA**, Kumar SS, Bacci A, Phend K; Weinberg RJ, Huguenard JR. "Expression of endogenous spermine during postnatal development of neocortex suggests neuroprotective and neuromodulatory roles." Society for Neuroscience 30<sup>th</sup> Annual Meeting; New Orleans, LA, Nov 5,2000.

#### GRANTS

OREF Young Investigator Grant in Total Joint and Trauma Surgery	2012
Orthopaedic Research Education Fund Resident Research Grant	2010
Clinical and Translational Science Institute Resident Research Grant	2010
Doris Duke Clinical Research Fellowship	2005
Undergraduate Research Opportunity Major Grant	2000

#### AWARDS

Northern California Orthopaedic Association Resident Research Award	2012
Jacquelin Perry, MD, Resident Research Award	2012
Journal of Trauma Resident Teaching Award	2010

Rosalind Kornfeld Leadership Award for Women in Medicine	2007
Steven Dresler Prize for Social Action	2006
Class of 2001 Award for Community Service and Student Group Activities	2004
Washington University Graduate Professional Council Award for Community Service	2004
Dean of Students Outstanding Achievement Award	2000

#### RESEARCH EXPERIENCE

Washington University in St. Louis, St. Louis, MO / Malawi College of Medicine, Blantyre, Malawi

**Clinical Research Fellow** **2005-2006**

Compared different feeding protocols for the prevention of marasmus and kwashiorkor in rural Malawi. Prospectively evaluated the effect of diet on the development of kwashiorkor. Managed 12 outpatient feeding centers which served 3000 children annually. Worked with UNICEF and WFP to establish 5 new feeding centers in response to national famine which served 1500 children.

Stanford University School of Medicine Department of Neurology – Huguenard Lab

**Research Assistant** **1999-2001**

Developed immunohistochemical staining protocols for the localization of polyamines in the rat hypothalamus using laser confocal microscopy.

Stanford University School of Medicine Department of Psychiatry – Neuroimaging Lab

**Research Assistant** **1998-1999**

Used 3D neuroimaging software and MRI scans to quantify amygdala volume in patients with Velo-Cardio-Facial syndrome

#### OTHER EXPERIENCE

Health Volunteers Overseas, Umtata, South Africa and Kumasi, Ghana

**Resident Volunteer** **2010**

Participated in clinical activities and core curriculum teaching at Bedford Orthopaedic Hospital. Assisted with orthopaedic residency curriculum development at Komfo Anokye Teaching Hospital.

Perry Outreach Program, San Francisco General Hospital

**Program Volunteer** **2009 – 2011**

Provides supervision and teaching for annual program that encourages girls' interest in orthopaedics and biomedical engineering.

Global Service Corps, Arusha, Tanzania

**Clinical Educator**

**July 2003 – August**

**2003**

Designed and taught curriculum of HIV/AIDS peer education to Tanzanian high school students

Palo Verde Elementary, Palo Alto, CA

**Instructional Aide**

**August 2001 – May**

**2002**

Worked with behavioral therapist, family, and teachers to develop curriculum for socialization and mainstreaming of autistic children.

**LANGUAGES**

English – native language

Spanish – speak, read, and write functionally

Mandarin – speak functionally

**MEMBERSHIPS AND COMMITTEES**

American Academy of Orthopaedic Surgeons Member

Orthopaedic Trauma Association Candidate Member

AO Trauma Member

California Orthopaedic Association Member

Ruth Jackson Orthopaedic Society

**HOBBIES AND INTERESTS**

acoustic guitar, modern English literature, taiko, swimming, running