

# **CURRICULUM VITAE**

**CHRISTOPHER LEE, M.D.**

## **EDUCATION**

B.S., **University of Notre Dame**, 2003-2007  
Notre Dame, IN 46556  
Graduated *cum laude*

M.D., **Keck School of Medicine at USC**, 2007-2012  
1975 Zonal Ave, Los Angeles, CA 90033  
Graduated with *Alpha Omega Alpha* honors

## **POST GRADUATE TRAINING**

### ***Internship***

General Surgery, University of California, Los Angeles Medical Center  
Department of Surgery  
David Geffen School of Medicine at UCLA  
RM 72-235 CHS  
10833 Le Conte Ave  
Los Angeles, CA 90095  
July 2012 – June 2013

### ***Residency***

Orthopaedic Surgery, University of California, Los Angeles Medical Center  
Department of Orthopaedic Surgery  
David Geffen School of Medicine at UCLA  
RM 76-143 CHS  
10833 Le Conte Ave  
Los Angeles, CA 90095  
July 2013 – June 2017

### ***Fellowship***

Fellow in Orthopaedic Trauma, R Adams Cowley Shock Trauma Medical Center  
Fellowship Director: Robert V. O'Toole, M.D. (410-491-5055)  
22 S. Greene St, Baltimore, MD 21201  
August 2017 – July 2018

## **LICENSURE**

State of California, Physician and Surgeon, A130829, 2014 - present  
State of Virginia, Medicine and Surgery, 0101264728, 2018 - present

## **BOARD CERTIFICATION**

Board Eligible, American Board of Orthopaedic Surgery, 2018 - present

## **PROFESSIONAL EXPERIENCE**

Assistant Professor in Residence, Department of Orthopaedic Surgery, 2018 – present  
Virginia Commonwealth University, Richmond, VA 23298

## **PROFESSIONAL ACTIVITIES**

### ***Society Memberships***

Member, Orthopaedic Trauma Association  
Member, American Academy of Orthopaedic Surgeons (AAOS)

### ***Editorial Service***

Reviewer:  
Geriatric Orthopaedic Surgery & Rehabilitation, 2018 – present  
European Journal of Orthopaedic Surgery & Traumatology, 2018 – present

### ***Committees***

UCLA Orthopaedic Resident Education Committee, 2015 – 2016  
OTA Basic Science Committee, 2018 - present

## **HONORS AND SPECIAL AWARDS**

Baxter Oral Presentation Award for Medical Student Research Forum Day, 2009 and 2011  
Best Poster, 4<sup>th</sup> International Congress on Early Onset Scoliosis and Growing Spine, 2011  
Dean's List Junior/Senior Continuum, 2011-2012  
Alpha Omega Alpha Honor Society – Gamma Chapter, President, 2011 - 2012  
Orthopaedic Research and Education Committee Representative – PGY IV, 2015-2016  
Clifford H. Turen, M.D. Memorial Teacher of the Year Award – R Adams Cowley Shock  
Trauma Center, 2017-2018  
OTA Basic Science Sub-Committee 3-Year Term Appointment, 2018-2021  
Shining Knight Award, Clinical Service – Virginia Commonwealth University, 2019

## **RESEARCH GRANTS AND FELLOWSHIPS RECEIVED**

**Christopher Lee (P.I.)**  
Keck School of Medicine Summer Research Fellowship Grant  
Total Award: \$3,000  
June – August 2008

**Christopher Lee (P.I.)**

Keck School of Medicine Dean's Scholars Research Fellowship Grant

Total Award: \$30,000

July 2010 – June 2011

**Christopher Lee, M.D. (co P.I.)**

AO Fellows Research Grant

“Quantitative Differences in Embolic Load Between Femoral and Tibial Shaft Fractures Treated with Reamed Intramedullary Fixation”

Total Award: \$15,000

August 2017 – present

**LECTURES AND PRESENTATIONS**

**International Presentations**

1. **Lee C**, Akbarnia BA, Myung KS, Skaggs DL. Some Connectors in Growing Rods Fail More Than Others. International Meeting on Advanced Spine Techniques Annual Meeting, Copenhagen, Denmark, July 13-16, 2011.
2. **Lee C**, Myung KS, Skaggs DL. Proximal Junctional Kyphosis in Distraction-Based Growing Rods. International Congress on Early Onset Scoliosis Annual Meeting, Orlando, Florida, November 18-19, 2011.
3. Myung KS, **Lee C**, Wall E, Jain V, Shah S, Johnston C, Akbarnia B, Skaggs DL. Hemoglobin Levels in Patients with Early Onset Scoliosis Treated with Growing Rods. International Congress on Early Onset Scoliosis Annual Meeting, Orlando, Florida November 18-19, 2011

**National Presentations**

1. Covington LM, MacKenzie SG, Matsumoto H, Corona J, **Lee C**, Cody SR, Flynn JM, Skaggs DL, Vitale MG. Multicenter Study of Post-Operative Surgical Site Infections Following Scoliosis Repair in Children. Society for Healthcare Epidemiology of America, Dallas, Texas, April 1-4, 2011.
2. Skaggs DL, **Lee C**, Myung KS. Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis (Mean 113°). Pediatric Orthopaedic Society of North America Annual Meeting, Quebec, Canada, May 11-14, 2011.
3. Lightdale NR, Chang E, **Lee C**, Kay RM. Silent Compartment Syndrome in Children. Pediatric Orthopaedic Society of North America Annual Meeting, Quebec, Canada, May 11-14, 2011.
4. MacKenzie SG, Matsumoto H, Corona J, **Lee C**, Cody SR, Covington LM, Saiman L, Flynn JM, Skaggs DL, Vitale MG. Surgical Site Infection Following Spinal Instrumentation For Scoliosis: Lessons Learned From an Analysis of 1352 Procedures at Three Centers. Pediatric Orthopaedic Society of North America Annual Meeting, Quebec, Canada, May 11-14, 2011
5. Shan L, **Lee C**, Myung KS, Skaggs DL. Postoperative Management of Adolescent Idiopathic Scoliosis: A Comparison of Postoperative Care Methods. Chinese Orthopaedic Association Annual Meeting, Beijing, China, December 1-4, 2011.

6. **Lee C**, Myung KS, Skaggs DL. Proximal Junctional Kyphosis in Distraction-Based Growing Rods. Scoliosis Research Society Annual Meeting, Louisville, Kentucky, September 14-17, 2011.
7. Myung KS, **Lee C**, Skaggs DL. Early Failure of Pelvic Fixation in Neuromuscular Scoliosis. Scoliosis Research Society Annual Meeting, Louisville, Kentucky, September 14-17, 2011.
8. Skaggs DL, **Lee C**, Myung KS. Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis (Mean 113°). Scoliosis Research Society Annual Meeting, Louisville, Kentucky, September 14-17, 2011.
9. MacKenzie SG, Matsumoto H, Corona J, **Lee C**, Cody SR, Covington LM, Saiman L, Flynn JM, Skaggs DL, Vitale MG. Surgical Site Infection Following Spinal Instrumentation For Scoliosis: Lessons Learned From an Analysis of 1352 Procedures at Three Centers. Scoliosis Reserch Society Annual Meeting, Louisville, Kentucky, September 14-17, 2011.
10. MacKenzie SG, Matsumoto H, Corona J, **Lee C**, Cody SR, Covington LM, Saiman L, Flynn JM, Skaggs DL, Vitale MG. Surgical Site Infection Following Spinal Instrumentation For Scoliosis: Lessons Learned From an Analysis of 1352 Procedures at Three Centers. American Academy of Pediatrics Annual Meeting, Boston, Massachusetts, October 15-18, 2011.
11. **Lee C**, Choi PD, Arkader A, Catalano A. Developmental Dysplasia of the Hip: Risk Factors for Avascular Necrosis. AAOS Annual Meeting, San Francisco, California, February 7-11, 2012.
12. MacKenzie SG, Matsumoto H, Corona J, **Lee C**, Cody SR, Covington LM, Saiman L, Flynn JM, Skaggs DL, Vitale MG. Surgical Site Infection Following Spinal Instrumentation For Scoliosis: Lessons Learned From an Analysis of 1352 Procedures at Three Centers. AAOS Annual Meeting, San Francisco, California, February 7-11, 2012.
13. **Lee C**, Choi PD, Arkader A, Catalano A. Developmental Dysplasia of the Hip: Risk Factors for Avascular Necrosis. Pediatric Orthopaedic Society of North America Annual Meeting, Denver, Colorado, May 16-19, 2012.
14. Shan L, **Lee C**, Myung KS, Skaggs DL. Postoperative Management of Adolescent Idiopathic Scoliosis: A Comparison of Postoperative Care Methods. Pediatric Orthopaedic Society of North America Annual Meeting, Denver, Colorado, May 16-19, 2012.
15. Sankar WN, **Lee C**, Choi PD, Al-Omari AA. Safety of Prophylactic Pinning for Slipped Capital Femoral Epiphysis: A Multicenter Report. Pediatric Orthopaedic Society of North America Annual Meeting, Denver, Colorado, May 16-19, 2012.
16. Shan L, **Lee C**, Myung KS, Skaggs DL. Postoperative Management of Adolescent Idiopathic Scoliosis: A Comparison of Postoperative Care Methods. Scoliosis Research Society Annual Meeting, Chicago, Illinois, September 5-8, 2012.
17. Yamaguchi KT Jr, Borgella J, **Lee C**, Andras L, Myung KS, D'Hemecourt P, Flynn J, Sawyer J, Skaggs DL. Radiographic Healing of Spondylolysis Does Not Influence Pain or Return to Sports 8 Years Later. Scoliosis Research Society Annual Meeting, Lyon, France, September 18-21, 2013.
18. Ghodasra JH, **Lee C**, Yamaguchi KT, Pereira CT, Benhaim P. Feasibility and Reliability of Open Reduction and Internal Fixation in Delayed Distal Radius Fractures. American Association for Hand Surgery Annual Meeting, Phoenix, Arizona, January 10-13, 2018.

19. Connelly DW, Carlini AR, Nascone JW, Sciadini MF, **Lee C**, LeBrun CT, Hogue MH, Morellato J, Domes CM, Johnson AJ, Castillo RC, O'Hara N, Slobogean GP, O'Toole RV. AAOS Annual Meeting, Las Vegas, Nevada, March 12-16, 2019.

### **Regional Presentations**

1. **Lee C**, Myung KS, Skaggs DL. Proximal Junctional Kyphosis in Distraction-Based Growing Rods. Western Orthopaedic Association Annual Meeting, Lake Tahoe, California, July 31-August 3, 2013.
2. **Lee C**, Myung KS, Skaggs DL. Some Connectors in Growing Rods Fail More Than Others. Western Orthopaedic Association Annual Meeting, Lake Tahoe, California, July 31-August 3, 2013.
3. **Lee C**, Choi PD, Arkader A, Catalano A. Risk Factors for Avascular Necrosis After Closed Reduction for DDH. Western Orthopaedic Association Annual Meeting, Lake Tahoe, California, July 31-August 3, 2013.
4. Lightdale NR, **Lee C**, Chang E, Kay RM. Silent Compartment Syndrome in Children. Western Orthopaedic Association Annual Meeting, Lake Tahoe, California, July 31-August 3, 2013.
5. **Lee C**. Mangled Extremity: To Amputate or Not to Amputate. Rao R. Ivatury Trauma Symposium, Richmond, VA, March 22, 2019.

### **Local Presentations**

1. Gabet Y, Noh T, **Lee C**, Frenkel B. Developmentally Regulated Inhibition of Cell Cycle Progression by Glucocorticoids Through Repression of Cyclin A Transcription in Primary Osteoblast Cultures. Medical Student Research Forum Day, Keck School of Medicine, May 4, 2009.
2. **Lee C**, Myung KS, Skaggs DL. Proximal Junctional Kyphosis in Distraction-Based Growing Rods. Medical Student Research Forum Day, Keck School of Medicine, April 4, 2011.
3. Skaggs DL, **Lee C**, Myung KS. Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis (Mean 113°). Wright Foundation, May 17, 2011.
4. **Lee C**. Heterotopic Ossification After Acetabular Surgery: What's the Evidence? Grand Rounds, VCU, February 21, 2019.

### **UCLA-Affiliated Hospital Presentations**

1. **Lee, C**. Evaluating the Trauma Patient. UCLA Boot Camp, Los Angeles, California, May 30, 2015.
2. **Lee, C**. Pediatric Fractures and Reduction Techniques, Los Angeles, California, May 30, 2015.
3. **Lee, C**. Fractures and Management. Los Angeles, California, May 30, 2015.
4. **Lee, C**. Tips and Tricks. Los Angeles, California. May 30, 2015.
5. **Lee C**, Choi PD, Arkader A, Catalano A. Risk Factors for Avascular Necrosis After Closed Reduction for DDH. UCLA Academic Day, June 19, 2015.
6. **Lee, C**. Distal Radius Fractures. UCLA Hand Conference, August 4, 2015.

## **RESEARCH PAPERS**

### **Research Papers - Peer Reviewed**

1. Noh T, Gabet Y, Cogan J, Shi Y, Tank A, Sasaki T, Criswell B, Dixon A, **Lee C**, Tam J, Kohler T, Segev E, Kockeritz L, Woodgett J, Müller R, Chai Y, Smith E, Bab I, Frenkel B. Lef1 Haploinsufficient Mice Display a Low Turnover and Low Bone Mass Phenotype in a Gender- and Age-Specific Manner. *PLoS One*. 2009 May. 4(5):e5438. PMID: 19412553.
2. Gabet Y, Noh T, **Lee C**, Frenkel B. Developmentally Regulated Inhibition of Cell Cycle Progression by Glucocorticoids Through Repression of Cyclin A Transcription in Primary Osteoblast Cultures. *J Cell Physiol*. 2011 Apr; 226(4): 991-8. PMID: 20857405.
3. **Lee C**, Choi PD, Scott G, Arkader A. Postoperative Alopecia in Children Following Orthopaedic Surgery. *J Pediatr Orthop*. 2012 Oct-Nov;32(7):e53-5. PMID: 22955545.
4. **Lee C**, Myung KS, Skaggs DL. Some Connectors in Growing Rods Fail More Than Others. *Spine Deformity*. 2013 March;1(2):148-156.
5. Shan L, Skaggs DL, **Lee C**, Kissinger C, Myung KS. Intensive Care Unit Versus Hospital Floor: A Comparative Study of Postoperative Management of Adolescent Idiopathic Scoliosis Patients. *J Bone Joint Surg Am*. 2013 Apr;36(4):536-9. PMID: 23780531.
6. MacKenzie SG, Matsumoto H, Williams BA, Corona J, **Lee C**, Cody SR, Covington LM, Saiman L, Flynn JM, Skaggs DL, Roye DP Jr, Vitale MG. Surgical Site Infection Following Spinal Instrumentation For Scoliosis: A Multicenter Analysis of Rates, Risk Factors, and Pathogens. *J Bone Joint Surg Am*. 2013 May 1;95(9):800-6. PMID: 23636186.
7. Sankar WN, Novais EN, **Lee C**, Al-Omari AA, Choi PD, Shore BJ. What are the Risks of Prophylactic Pinning to Prevent Contralateral Slipped Capital Femoral Epiphysis. *Clin Orthop Rel Res*. 2013 Jul;471(7):2118-23. PMID: 23129473.
8. Skaggs DL, **Lee C**, Myung KS. Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis. *Spine Deformity*. 2014 Jan;2(1):61-69.
9. Yamaguchi K Jr, Andras L, **Lee C**, Skaggs DL. Successful Brace Treatment of Scheuermann's Kyphosis in Skeletally Mature Patients and Severe Kyphosis. *Annals of Orthopaedics and Rheumatology*. 2014 June 2.
10. **Lee C**, Lightdale-Miric N, Chang E, Kay R. Silent Compartment Syndrome in Children: A Report of Five Cases. *J Pediatr Ortho B*. 2014 Sep;23(5):467-71. PMID: 24921836.
11. Myung KS, **Lee C**, Skaggs DL. Early Pelvic Fixation Failure in Neuromuscular Scoliosis. *J Pediatr Orthop*. 2015 Apr-May. PMID: 24992353.
12. Barrett KK, **Lee C**, Myung K, Johnston C, Shah SA, Akbarnia BA, Skaggs DL; Growing Spine Study Group. The Effect of Growing Rod Treatment on Hemoglobin and Hematocrit Levels in Early-onset Scoliosis. *J Pediatr Orthop*. 2015 Apr 30. PMID: 25944296.
13. Schur MD, **Lee C**, Arakder A, Catalano A, Choi PD. Risk Factors for Avascular Necrosis After Closed Reduction for Developmental Dysplasia of the Hip. *J Child Orthop*. 2016 May 13. PMID: 27177477.

14. Sousta T, Skaggs DL, Chan P, Yamaguchi KT Jr, Borgella J, Lee C, Sawyer J, Moisan A, Flynn JM, Gunderson M, Hresko MT, D’Hemecourt P, Andras LM. Benign Natural History of Spondylolysis in Adolescence with Midterm Follow-Up. *Spine Deform*. 2017 Mar. PMID: 28259265.
15. Zoller SD, Cao LA, Smith RA, Sheppard W, Lord EL, Hamad CD, Ghodasra JH, Lee C, Jeffcoat D. Staged Reconstruction of Diaphyseal Fractures with Segmental Defects: Surgical and Patient-Reported Outcomes. *Injury*. 2017 Oct. PMID: 28712488.
16. Lee C, Johnson EE. Use of Spring Plates in Fixation of Comminuted Posterior Wall Acetabular Fractures. *J Orthop Trauma*. 2018 Feb. PMID: 29373453.
17. Lee C, Sciadini MF. The Use of External Fixation for the Management of the Unstable Anterior Pelvic Ring. *J Orthop Trauma*. 2018 Sep. PMID: 30102886.
18. Lee C, Pereira C, Zoller S, Ghodasra J, Yamaguchi K, Rough J, Sugi M, Benhaim P. Feasibility and Reliability of Open Reduction and Internal Fixation in Delayed Distal Radius Fracture Management. *J Hand Surg GO*. Accepted May 2019.
19. Lee C, Zoller SD, Nascone JW. Pearls and Pitfalls with Intramedullary Nailing of Proximal Tibia Fractures. *J Am Acad Orthop Surg*. Accepted May 2019.

#### **Research Papers – Peer Reviewed (Submitted)**

1. Connelly DW, Carlini AR, Nascone JW, Sciadini MF, Lee C, LeBrun CT, Hogue MH, Morellato J, Domes CM, Johnson AJ, Castillo RC, O’Hara N, Slobogean GP, O’Toole RV. Measuring Acetabular Displacement on Plain Radiographs: Are Current Methods Reliable? *Clin Orthop Relat Res*. Submitted August 2018.

#### **CHAPTERS**

1. Lee C, Sciadini MF. “Femoral Shaft Fracture.” *Synopsis of Orthopaedic Trauma Management*. New York, NY: Thieme Publishers; 2018: (Chapter 35).
2. Lee C, O’Toole RV. “Compartment Syndrome in Polytrauma Patients.” *Compartment Syndrome: A Guide to Diagnosis and Management*. New York, NY: Springer Publishers; 2019; (Chapter 15).

#### **PAPERS IN PREPARATION (RESEARCH COMPLETED)**

1. Kessler JI, Lee C, Ituarte F, Gyurdzhyan S, Skaggs D. The Results of the Use of Morsellized Allograft in Conjunction with Posterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis. *Spine*. Submitted August 2014.
2. Lee C, Bengs B. Intra-operative Polyethylene Liner Reaming to Accommodate a Custom Femoral Head. *J Arthroplasty*. Submitted February 2015.