



**California Medical Evaluators**  
11620 Wilshire Blvd. Suite 340  
Los Angeles, CA 90025  
**Phone:** 888.853.7944  
**Fax:** 213.478.0550  
info@calmedeval.com



## **Dr. Rojeh Melikian, MD** *Board Certified in Orthopedic Surgery*

*Articulate, Board certified Orthopedic Surgeon with more than 10 years of clinical expertise and 1 year of medical-legal expertise. Highly specialized in Orthopedic Spine Surgery.*

### **EDUCATION**

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- **University of California, Los Angeles, Los Angeles, CA (2005)**  
Bachelors, Neuroscience, Summa Cum Laude
- **University of Southern California, Keck School of Medicine, Los Angeles, CA (2009)**  
Doctor of Medicine, MD, Graduated with Highest Distinction
- **Massachusetts General Hospital, Boston, MA (2010)**  
Internship – General Surgery
- **Harvard Combined Orthopedic Surgery Residency Program, MA General Hospital (2014)**  
Residency - Orthopedic Surgery
- **Emory University, Atlanta, GA (2015)**  
Fellowship - Spine Surgery

### **PROFESSIONAL EXPERIENCE**

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- **D.I.S.C. Sports and Spine Center, Orthopedic Spine Surgeon (2015 to present)**

### **LICENSURE AND CERTIFICATION**

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- California Board Certified Medical License

## PROFESSIONAL MEMBERSHIPS

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- International Society for the Advancement of Spine Surgery
- North American Spine Society
- Alpha Omega Alpha Honor Society
- Armenian-American Medical Society of California
- Orange County Armenian Professional Society

## HONORS AND AWARDS

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- Spine Surgeon Leader to Know – *Becker's Spine Review* (2/2016)
- Administrative Chief Resident – Department of Orthopedic Surgery, Massachusetts General Hospital, Boston, MA (01/2014-06/2014)
- Thesis Award, Harvard Combined Orthopedic Surgery Resident Thesis Day – Awarded to best clinical research presentation (06/2014)
- Partners in Excellence Award - Awarded to individuals nominated by their colleagues for exemplary performance and contributions “above and beyond the call of duty” (4/2010)
- Merck Manual Award – Most outstanding students in the basic science (05/2009)
- Keck School of Medicine Dean’s Recognition – Overall excellent academic performance in 3rd and 4th years of medical school (05/2009)
- Alpha Omega Alpha Honor Society (08/2008)
- Clarence W. Burrill Jr. Merit Scholarship for Superior Academic Achievement (05/2008)
- Keck School of Medicine Dean’s Recognition – Overall excellent academic performance in 1st and 2nd years of medical school (05/2007)
- Nomination to Pathology Honor Society by Association of Pathology Chairs (05/2007)
- Keck School of Medicine Medical Student Summer Research Fellowship (07/2006)
- UCLA Dean’s Prize for Outstanding Research Presentation – 7 students awarded out of approximately 170 submitted abstracts. (05/2004)

## FLUENT LANGUAGES

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- English
- Armenian
- Spanish

## RESEARCH & PUBLICATIONS

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**Melikian R**, Cha TD. Cauda Equina and Conus Medullaris Syndrome: The Spine. Medical and Surgical Conditions, Chapter 75. In Press (3/2017)

**Melikian R**, Rhee JM. The Role of Anterior Interbody Fusion (ALIF and XLIF with Anterior Column Release) in the Surgical Management of Adult Spinal Deformity *Seminars in Spine Surgery* 2017 June;29 (2):82-90 (06/2017)

**Melikian R**, Yoon T, Kim JY, Park KY, Yoon C, Hutton WC. Sagittal Correction Using the Lateral Approach: A Biomechanical Study on the Effect of Cage Angle and Surgical Technique on Segmental Lordosis. *Spine (Phila Pa 1976)*. 2016 Sep;41(17):E1016-21. (3/2016)

Shi W, Baird E, **Melikian R**, Chamieh J, Umpierrze M, Kakarala A, Yoon T. The Reliability of Measuring Spinous Process Motion on Flexion/Extension after Anterior Cervical Discectomy and Fusion. Submitted for Presentation to Cervical Spine Research Society 2017 Annual Meeting (03/2016)

Shi W, Baird E, **Melikian R**, Chamieh J, Umpierrze M, Kakarala A, Yoon T. The Reliability of Measuring Spinous Process Motion on Flexion/Extension after Anterior Cervical Discectomy and Fusion. Submitted for Publication to *Journal of Spinal Disorders and Techniques* (03/2016)

Zhang D, **Melikian R**, Papavassiliou E. Chiari I Malformation Presenting as Shoulder Pain, Weakness, and Atrophy in a Collegiate Athlete *Current Sports Medicine Reports* 2016 Jan-Feb;15(1):10-2 (2/2016)

Yoon T, **Melikian R**, Kim JY, Park KY, Yoon C, Hutton WC. Sagittal Correction Using Lateral Approach: Effect of Cage Angle and Technique on Segmental Lordosis. Accepted for Presentation at International Society for Study of Lumbar Spine Annual Meeting 2016 (2/2016)

**Melikian R**, Kim SD, Ju KL, Zurakowski D, Bono CM, Harris MB. Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurological Exams or Radicular Weakness. Submitted for Publication to *Journal of Neurosurgery: Spine* (9/2015)

Yoon T, **Melikian R**, Kim JY, Park KY, Yoon C, Hutton WC. Sagittal Correction Using Lateral Approach: Effect of Cage Angle and Technique on Segmental Lordosis. Accepted for Presentation at Global Spine Congress Annual Meeting 2016 (5/2015)

Yoon T, **Melikian R**, Kim JY, Park KY, Yoon C, Hutton WC. Sagittal Plane Correction Using Lateral Approach: Effect of Cage Angulation and Surgical Technique on Segmental Lordosis. Podium Presentation at Korean American Spine Society 2015 Annual Meeting (7/2015)

Ju KL, Kim SD, **Melikian R**, Bono CM, Harris MB. Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions. *The Spine Journal* 2015 Jan 1;15(1):95-101 (01/2015)

Kim SD, **Melikian R**, Ju KL, Zurakowski D, Wood KB, Bono CM, Harris MB. Independent Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses. *The Spine Journal* 2014 Aug 1; 14(8): 1673-9 (08/2014)

**Melikian R**, Kim SD, Ju KL, Zurakowski D, Bono CM, Harris MB. Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurological Exams or Radicular Weakness. Podium presentation at International Society for the Advancement of Spine Surgery 2014 Annual Meeting (05/2014)

Ju KL, Kim SD, **Melikian R**, Bono CM, Harris MB. Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions. Podium presentation at International Society for the Advancement of Spine Surgery 2014 Annual Meeting (05/2014)

**Melikian R**, Kim SD, Ju KL, Zurakowski D, Bono CM, Harris MB. Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurological Exams or Radicular Weakness. Podium presentation at American Academy of Orthopaedic Surgeons 2014 Annual Meeting (03/2014)

Ploumis AL, Cha TD, **Melikian R**, Grottkau B, Wood KB. Comparison of Radiographic Measurements by Standard Digital versus EOS Radiographs in Adult Spine Patients. Poster presentation at American Academy of Orthopaedic Surgeons 2014 Annual Meeting (03/2014)

Ju KL, Kim SD, **Melikian R**, Bono CM, Harris MB. Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions. Presented at Cervical Spine Research Society 2013 Annual Meeting (12/2013)

Kim SD, **Melikian R**, Ju KL, Zurakowski D, Wood KB, Bono CM, Harris MB. Independent Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses. Podium presentation at North American Spine Society 2013 Annual Meeting (10/2013)

Wood KB, **Melikian R**, Villamil F. Adult Scheuermann Kyphosis: Evaluation, Management and New Developments. *J Am Acad Orthop Surg*. 2012 Feb;20(2):113-21. (02/2012)

Choi PD, **Melikian R**, Skaggs DL. Risk Factors for Vascular Repair and Compartment Syndrome in the Pulseless Supracondylar Humerus Fracture in Children. *J Pediatr Orthop*. 2010 Jan-Feb;30(1):50-6 (01/2010)