

# Rojeh Melikian, MD

Pacific Coast Sports Medicine  
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## WORK EXPERIENCE

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- **Orthopaedic Spine Surgeon** – D.I.S.C. Sports and Spine Center, Marina del Rey, CA (9/2015 – Present)

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## EDUCATION

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- **Spine Surgery Fellowship** - Emory University, Atlanta, GA (08/2014-07/2015)
- **Orthopaedic Surgery Residency** - Harvard Combined Orthopaedic Surgery Residency Program, Massachusetts General Hospital, Boston, MA (06/2010 - 06/2014)
- **General Surgery Internship** - Massachusetts General Hospital, Boston, MA (06/2009-05/2010)
- **M.D. (Graduate with Highest Distinction)** - University of Southern California, Keck School of Medicine, Los Angeles, CA (08/2005 - 05/2009)
- **Bachelors in Neuroscience (Summa Cum Laude)** - University of California, Los Angeles, Los Angeles, CA (09/2001 – 06/2005)

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## ACADEMIC HONORS & AWARDS

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- **Los Angeles Magazine Top Doctor's Award** 2021 for Orthopedic Surgery (1/2021)
- **SuperDoctors Los Angeles Award** for Orthopedic Surgery 2021 (1/2021)
- **Los Angeles Magazine Top Doctor's Award** 2020 for Orthopedic Surgery (1/2020)
- **SuperDoctors Los Angeles Award** for Orthopedic Surgery 2020 (1/2020)
- **Vitals.com Patient's Choice Recognition Award & Compassionate Doctor Award** (2/2018)
- **Spine Surgeon Leader to Know** – *Becker's Spine Review* (2/2016)
- **Administrative Chief Resident** – Department of Orthopaedic Surgery, Massachusetts General Hospital, Boston, MA (01/2014-06/2014)
- **Thesis Award, Harvard Combined Orthopaedic 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 3<sup>rd</sup> and 4<sup>th</sup> 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 1<sup>st</sup> and 2<sup>nd</sup> 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)

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## TEACHING EXPERIENCE

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- Harvard Medical School RAMS Mentor (12/2012 – 1/2014)
- Resident Education Committee (07/2010-06/2011)
- Musculoskeletal Anatomy Teaching Assistant, Keck School of Medicine (05/2009)
- Tutor for Medical Scholars Program, Neurosciences Section (08/2006 - 06/2007)

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## PUBLICATIONS AND PRESENTATIONS

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- **Melikian R**, Hu S, Wood K. Sagittal Imbalance of the Spine: Orthopaedic Knowledge Update: Spine 5. In Press (12/2020)
- Moattari K, **Melikian R**, Khurana S. Rapidly Progressive Myelopathy Caused by Aggressive Vertebral Hemangioma. *Case Reports in Orthopaedics*, Volume 2019, Article ID 8297310 (Nov 2019)
- **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)
- **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. Podium Presentation at American Academy of Orthopaedics 2016 Annual Meeting (3/2016)
- Shi W, Baird E, **Melikian R**, Chamieh J, Umpierrez 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)
- Choi PD, **Melikian R**, Skaggs DL. Does Fracture Reduction Restore Pulse and Perfusion in the Pulseless Supracondylar Humerus Fracture? Podium presentation at American Academy of Orthopaedic Surgeons 2009 Annual Meeting, Las Vegas, Nevada (02/2009)
- Choi PD, **Melikian R**, Skaggs DL. Management of the Pulseless Supracondylar Humerus Fracture in Children. Podium presentation at Western Orthopaedic Association Annual Meeting, Maui, HI (07/2008)
- **Melikian R**, Choi PD, Skaggs DL. Management of Vascular Injuries in Pediatric Supracondylar Humerus Fractures. Podium presentation at American Academy of Pediatrics 2007 Annual Meeting, Section on Orthopaedics, San Francisco, CA (10/2007)
- **Melikian R**, Itamura JM. Total Elbow Arthroplasty Survival Analysis. Poster presentation at USC Keck School of Medicine Medical Student Research Forum and Poster Day, Los Angeles, CA (05/2007)
- **Melikian R**, Liu C, Edgerton VR, Tillakaratne NJK. Physiologic Adaptations of Motor Neurons in Spinally-Transected Rats in Response to Perturbations in Hindlimb Stepping. Poster presentation at 34<sup>th</sup> Annual Society for Neuroscience Meeting, San Diego, CA (04/2004)
- **Melikian R**, Liu C, Edgerton VR, Tillakaratne NJK. Physiologic Adaptations of Motor Neurons in Spinally-Transected Rats in Response to Perturbations in Hindlimb Stepping. Poster presentation at UCLA Brain Research Institute Poster Session, Los Angeles, CA (06/2004)

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## PROFESSIONAL MEMBERSHIPS

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- North American Spine Society (4/2012 – Present)
- Alpha Omega Alpha Honor Society (08/2008 - Present)
- Armenian-American Medical Society (2015-Present)
- Orange County Armenian Professional Society (2015 – Present)

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## LANGUAGES

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- Armenian
- Spanish

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## INTERESTS

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- Skiing
- Tennis
- Traveling