

Curriculum Vitae

Armen R. Deukmedjian, M.D.

*Neurosurgeon
NeuSpine Institute*

Contact Information

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Foreign Languages: Spanish

Post-Graduate Education and Training

2015-2017 Florida Hospital Physician Leadership Academy
Advisory Board Company
Center for Transformation and Innovation
Selected for leadership course two years straight

2013-2014 Chief Resident, Neurosurgery, University of South Florida

4/2013 Spine surgery mini-fellowship with Dr Luis Pimenta
Sao Paulo, Brazil

1/2013-6/2013 Neuro-Oncology specialty training
Moffitt Cancer Center, Tampa, FL

2011-2012 Enfolded Fellowship in Minimally Invasive Spine Surgery
Mentor: Dr. Juan Uribe, University of South Florida

2008-2013 Resident Physician, Neurosurgery, University of South Florida

2007-2008 Internship, General Surgery, University of South Florida

Education

2007 M.D., George Washington University School of Medicine

2002 M.S., Physiology, Georgetown University

2001 B.S., Biochemistry/Cell Biology, University of California San Diego

Medical Licensure

Active Florida #ME 110299

Employment History

7/2014-9/2017 **University of South Florida Department of Neurosurgery**
Florida Hospital Tampa
Tampa, FL
Assistant Professor of Neurosurgery
Clinical practice consisting of minimally invasive spine surgery for treatment of degenerative, traumatic, and congenital conditions, as well as research and resident training

2013-2014 **James A. Haley Veterans Administration Hospital**
Tampa, FL
Consultant to the neurosurgery department to evaluate outpatient consults

2012-2014 **USF Neurosurgery Skull Base Lab**
Tampa, FL
Injected cadaveric heads with in preparation for educational lab

2004 **National Institute of Neurological Disorders and Stroke (NINDS)**
National Institute of Health
Bethesda, MD
Summer Research Fellow

- 2002-2003 **Georgetown University**
Washington, D.C.
Research Technician
- 1999 **Salk Institute**
San Diego, CA
Laboratory Assistant
- 1998 **University of Florida, Department of Brain Injury and Repair**
Gainesville, FL
Laboratory Assistant

Professional Society Membership

- 2015- General Member, Society of Lateral Access Surgery (Application
in progress)
- 2012-2013 Chairman of the Committee on Government Affairs, Florida
Medical Association (FMA), Resident and Fellow Section
- 2011-present General Member, Society for Minimally Invasive Spine Surgeons
- 2007-present General Member, American Association of Neurological Surgeons
- 2003-present General Member, American Medical Association
- 2003-2007 General Member, Armenian Student Association, George
Washington University

Honors and Awards

- 2012 Young Investigator Award-Society of Lateral Access Surgeons
(SOLAS) Meeting-San Diego, CA-5/5/2012
- 2010 Augustus McCravey Resident Award, Southern Neurosurgical
Society Annual Meeting-Boca Raton, FL – 2/2010
- 2007 *Alpha Omega Alpha* medical school honors society
- 2002 Graduated honors with distinction from the physiology Masters
Program at Georgetown University

Administrative Service

2015-present	Clinical supervision of neurosurgical residents and fellows in operating arena and clinic
2015-present	Florida Hospital Tampa Perioperative Governance Council
02/2016-present	Adventist Health System Spine Instrumentation Value Analysis Team
2015-2016	Interviewing candidates for Director of the operating room, Florida Hospital Tampa
2006-2007	George Washington University School of Medicine Served on admissions committee
2005-2007	George Washington University School of Medicine Served as President of the Surgery Interest Group Organized group meetings with speakers from variety of surgical subspecialties
2004-2006	George Washington University School of Medicine Interviewed applicants for the MD program

Teaching Service

3/16/2016	AANS/CNS Joint Section Orlando, FL Invited Speaker: “Adult Spinal Deformity: The ACR Procedure, When and How”
4/29/2016	University of South Florida Neurosurgical Grand Rounds “Adult Spinal Deformity: The ACR Procedure, When and How”
10/24/2014	University of South Florida Spine Techniques Laboratory at CAMLS Guest Lecturer: “Spine Osteotomy Techniques for Deformity Correction”
5/25/2012	USF Neurosurgery Grand Rounds

Presentation: “Anatomy of the anterior longitudinal ligament as it relates to the lateral transpsoas approach to the spine.”

- 2011-2012 Neurosurgical Board Review for residents
 Organized neuroradiology, neuropathology lectures
 Lectures on basal ganglia
- 9/30/2011 USF Neurosurgery Grand Rounds
 Presentation: “Pediatric neurosurgical mission to
 Guatemala”
- 2008-2012 Neurosurgical Board Review for residents
 Lectures on basal ganglia, neurology, neuroanatomy,
 cranial nerves

Courses

- 10/2016-5/2017 Physician Leadership Course
 Center for Technology and Innovation
- 9/2015-5/2016 Physician Leadership Course
 The Advisory Board Company
- 2/20/2014 Southern Neurosurgical Society Course on Cervical Arthroplasty
 San Juan, PR
- 3/23/2013 AANS Spinal Deformity Course For Senior Residents
 Vista Labs
 Baltimore, MD
- 8/18/2011 ONE Spine Course,
 Seattle Science Foundation
 Swedish Neuroscience Institute
 Seattle, WA
- 2011 AANS Fundamentals of Spine Surgery Course
 Burr Ridge, IL
- 2010 AO Spine-Basics of Spine Surgery Course
 San Diego, CA

Activities/Interests

2005	ALS Walk, Washington, DC: assisted with organization
2003-2004	George Washington University: Intramural Basketball
2001-2002	Georgetown University: Intramural Volleyball
2001-2002	Mentor to underprivileged child from SE Washington, DC
1999-2000	Scripps Memorial Hospital, La Jolla: Volunteer Department
1996-2000	University of CA San Diego: Intramural soccer and basketball
1998-2012	PADI Advanced Open Water certified scuba diver

Publications

Peer-reviewed journal articles

1. **Deukmedjian AR**, Ahmadian A, Manwaring J, Uribe JS. “Minimally Invasive Pedicle Subtraction Osteotomy From the Lateral Approach: A Technical Note.” (**In Progress**)
2. Beckman JM, Murray G, Bach K, **Deukmedjian AR**, Uribe JS. “Percutaneous Minimally Invasive (MIS) Guide Wire-less Self-Tapping Pedicle Screw Placement in the Thoracic and Lumbar Spine: Safety and Initial Clinical Experience: Technical Note.” *Neurosurgery*. August 2015.
3. Uribe JS, **Deukmedjian AR**. “Visceral, vascular, and wound complications following over 13,000 lateral interbody fusions: a survey study and literature review.” *European Spine Journal*. April 2015.
4. Uribe JS, **Deukmedjian AR**, Mundis GM, Okonkwo DO, Kanter AS, Eastlack R, Wang M, Mummaneni PV, Anand N, Fessler R, LaMarca F, Park P, LaFage V, Shaffrey CI, Deviren V, International Spine Study Group. “Are Complications in Adult Spinal Deformity (ASD) Surgery Related to Approach or Patient Characteristics? A Prospective Propensity Matched Cohort Analysis of Minimally Invasive (MIS), Hybrid (HYB), and Open (OPEN) Approaches.” *Neurosurgical Focus*. May 2014.
5. **Deukmedjian AR**, Le TV, Turner AWL, Manwaring J, Uribe JS. “Corpectomy Cage Subsidence With Rectangular Versus Round Endcaps: a Biomechanical Study.” *Journal of Clinical Neuroscience*. May 2014.
6. Manwaring J, Ahmadian A, Bach K, **Deukmedjian AR**, Smith DA, Uribe JS. “Management of Sagittal Balance in Adult Spinal Deformity with the Minimally Invasive Anterolateral Lumbar Interbody Fusion: A Radiographic Study.” *Journal of Neurosurgery: Spine*. May 2014.

7. Park MS, **Deukmedjian AR**, Uribe JS. “Minimally invasive anterolateral corpectomy for spinal tumors.” *Neurosurgery Clinics of North America*. April 2014.
8. Bach K, Ahmadian A, **Deukmedjian AR**, Uribe JS. “MIS Techniques in Adult Degenerative Spinal Deformity: A Systematic Review.” *Clinical Orthopedics and Related Research, CORR: MIS Spine Symposium*. February 2014
9. Park MS, **Deukmedjian AR**, Ahmadian AA, Uribe JS. “Global Sagittal Balance: Experience with the Lateral Retroperitoneal Approach.” *Contemporary Neurosurgery*. November 2013.
10. **Deukmedjian AR**, Ahmadian A, Bach K, Zouzias A, Uribe JS. “Minimally Invasive Lateral Approach for Adult Degenerative Scoliosis: Lessons Learned.” *Neurosurgical Focus*, August 2013.
11. Ahmadian A, **Deukmedjian AR**, Abel N, Dakwar E, Uribe JS. “Analysis of lumbar plexopathies and nerve injury after lateral retroperitoneal transpoas approach: diagnostic standardization and review.” *Journal of Neurosurgery: Spine*. March 2013.
12. Manwaring J, **Deukmedjian AR**, Tuite G. “Cranial reduction and fixation with a resorbable plate combined with shunting for difficult to manage macrocephaly related to hydrocephalus.” *Journal of Neurosurgery: Pediatrics*. February 2013.
13. Le TV, Burkett CJ, **Deukmedjian AR**, Uribe JS. “Postoperative lumbar plexus injury following lumbar retroperitoneal transpoas minimally invasive lateral interbody fusion.” *Spine*. January 2013.
14. **Deukmedjian AR**, Dakwar E, Ahmadian A, Smith DA, Uribe JS. “Early outcomes of minimally invasive anterior longitudinal ligament release for correction of sagittal imbalance in patients with adult spinal deformity.” *The Scientific World Journal*. December 2012
15. **Deukmedjian AR**, Le TV, Baaj AA, Dakwar E, Smith DA, Uribe JS. “Anterior Longitudinal Ligament Release Using the Minimally Invasive Lateral Retroperitoneal Transpoas Approach: A Cadaveric Feasibility Study and Report of Four Clinical Cases.” *Journal of Neurosurgery: Spine*. December 2012. (*Cover*)
16. **Deukmedjian AR**, Vasan R, Uribe JS. “Minimally invasive spine surgery-who can it help?” *Practical Pain Management*, August 2012.
17. Vale FL, **Deukmedjian AR**, Hann S, Shah V, Morrison A. “Medically Treated Prolactin-Secreting Pituitary Adenomas: When should we operate?” *British Journal of Neurosurgery*. August 2012
18. **Deukmedjian AR**, Le TV, Dakwar E, Martinez C, Uribe JS. “Movement of abdominal structures on MRI during positional changes related to lateral lumbar spine surgery: a morphometric study.” *Journal of Neurosurgery: Spine*. June 2012
19. Le TV, Baaj AA, **Deukmedjian AR**, Uribe JS, Vale FL. “Chance fractures in the pediatric population.” *Journal of Neurosurgery: Pediatrics*. August 2011

Book Chapters

1. **Deukmedjian AR**, Greenberg MS: Odontoid Fractures, Handbook of Neurosurgery, Edited by Mark Greenberg, New York, Thieme Publishers, (**In Progress**).
2. **Deukmedjian AR**, Ahmadian A, Uribe JS: Total Sacrectomy, Handbook of Neurosurgery, Edited by Mark Greenberg, New York, Thieme Publishers, (**In Progress**)
3. Dakwar E, **Deukmedjian AR**, Ritter Y: Spinal Pathology, Conditions and Deformities: Surgical Intervention and Post-Operative Management. In Magee DJ, Zachazewski JE, Quillen WS, Manske RE: *Pathology and Intervention in Musculoskeletal Rehabilitation*, 2nd ed, St Louis, 2015, Elsevier.
4. Ahmadian A, **Deukmedjian AR**, Uribe JS: MIS Tubular Posterior Lumbar Decompressive Techniques, Spine Surgery: Tricks of the Trade, Edited by Alexander Vaccaro.
5. **Deukmedjian AR**, Mosley Y, Ahmadian A, Uribe JS: Infection After Spinal Instrumentations, Complications of Spinal Instrumentation, Edited by Alexander Vaccaro.
6. **Deukmedjian AR**, Uribe JS: Minimally Invasive Anterior Column Reconstruction, Edited by Michael Wang.
7. **Deukmedjian AR**, Baaj AA, Uribe JS: Lumbar Laminectomy, Handbook of Spine Surgery, Edited by Ali Baaj, New York, Thieme Publishers, 2011
8. **Deukmedjian AR**, Greenberg MS: Dandy Walker Malformations, Handbook of Neurosurgery, Edited by Mark Greenberg, New York, Thieme Publishers, 2010

Proffered Communications

1. **Deukmedjian AR**, Uribe JS. “Minimally Invasive Treatment of Spinal Deformity in High Risk Patients.” Case presentation, Spine Universe (website)
2. **Deukmedjian AR**, Bach K, Park M, Uribe JS. “Infection Rate Following 13,000 Lateral Lumbar Interbody Fusions.” Society of Minimally Invasive Spine Surgeons (SMISS) Annual Meeting. Las Vegas, NV. Oral Presentation. November 2013.
3. **Deukmedjian AR**, Bach K, Park M, Uribe JS. “Bowel and Vascular Injury After 13,000 Lateral Interbody Fusions.” Society of Minimally Invasive Spine Surgeons (SMISS) Annual Meeting. Las Vegas, NV. Oral Presentation. November 2013.
4. Park MS, **Deukmedjian AR**, Le TV, Smith DS, Uribe JS. “Minimally Invasive Lateral Approach for Hybrid Pedicle Subtraction Osteotomy: A Technical Note.” CNS Annual Meeting. San Francisco, CA. Digital Poster, October 2013.
5. **Deukmedjian AR**, Ahmadian A, Bach K, Uribe JS. “MIS Lateral Approach for Adult Degenerative Scoliosis: A Novel Classification Scheme”. Florida Neurosurgical Society Annual Meeting. West Palm Beach, FL. Oral Presentation, August 2013.
6. Park MS, **Deukmedjian AR**, Uribe JS. “Hybrid Pedicle Subtraction Osteotomy from the Lateral Approach: A technical note and anatomy review.” Florida Neurosurgical Society Annual Meeting. West Palm Beach, FL. Oral Presentation, August 2013.

7. Ahmadian A, **Deukmedjian AR**, Bach K, Uribe JS. "MIS Lateral Approaches for Adult Spinal Deformity: *When and How*." Society of Lateral Access Surgeons Annual Meeting. San Diego, CA. Podium presentation, May 2013.
8. **Deukmedjian AR**, Uribe JS. "Midthoracic Chance fracture in a morbidly obese polytrauma patient." Case presentation, Spine Universe (website)
9. **Deukmedjian AR**, Uribe JS. "Minimally invasive anterior longitudinal ligament release for correction of sagittal imbalance: an anatomic and technical feasibility study and report on four clinical cases." Florida Neurosurgical Society Annual Meeting. West Palm Beach, FL. Podium presentation, August 2012.
10. **Deukmedjian AR**, Uribe JS. "Anterior longitudinal ligament release using the minimally invasive lateral retroperitoneal transpsoas approach: a cadaveric anatomic study." Society of Minimally Invasive Spine Surgeons. Miami, FL. Poster presentation, 2012
11. **Deukmedjian AR**, Uribe JS. "Early outcomes of minimally invasive anterior longitudinal ligament release for correction of sagittal imbalance in patients with adult degenerative scoliosis." Society of Minimally Invasive Spine Surgeons. Miami, FL. Poster presentation, 2012
12. **Deukmedjian AR**, Smith DO, Uribe JS. "Catastrophic complications following minimally invasive lateral lumbar interbody fusion." Congress of Neurological Surgeons Annual Meeting. Chicago, IL. Poster presentation, 2012
13. **Deukmedjian AR**, Smith DO, Vale F, Uribe JS. "Perioperative infection rate after minimally invasive lateral lumbar interbody fusion." Congress of Neurological Surgeons Annual Meeting. Chicago, IL. Poster presentation, 2012
14. **Deukmedjian AR**, Uribe JS. "Anterior longitudinal ligament release using the minimally invasive lateral retroperitoneal transpsoas approach: a cadaveric anatomic study." Congress of Neurological Surgeons Annual Meeting. Chicago, IL. Poster presentation, 2012
15. Uribe JS, Vale F, **Deukmedjian AR**, Smith DO. "Perioperative infection rate after minimally invasive lateral lumbar interbody fusion." International Meeting on Advanced Spine Techniques. Istanbul, Turkey. Poster presentation, 2012.
16. **Deukmedjian AR**, Uribe JS. "Anterior longitudinal ligament release: an anatomic study and report of four clinical cases." International Meeting on Advanced Spine Techniques. Istanbul, Turkey. Poster presentation, 2012.
17. Uribe JS, **Deukmedjian AR**. "Minimally Invasive Percutaneous Pedicle Screw Fixation for the Treatment of a Flexion-Distracted Type Spine Fracture Without Neurologic Deficit in a Morbidly Obese Patient." International Meeting on Advanced Spine Techniques. Istanbul, Turkey. Poster presentation, 2012.
18. **Deukmedjian AR**, Smith DO, Uribe JS. "Catastrophic complications following minimally invasive lateral lumbar interbody fusion." International Meeting on Advanced Spine Techniques. Istanbul, Turkey. Podium presentation, 2012.
19. **Deukmedjian AR**, Uribe JS. "Surgical anatomy of the anterior longitudinal ligament from the perspective of the lateral transpsoas approach." Society of Lateral Access Surgeons (SOLAS). San Diego, CA. Podium presentation, May 2012.
20. Le TV, **Deukmedjian AR**, Turner AWL, Uribe JS. "An In Vitro Cyclic Biomechanical Comparison of Wide vs Round Endcap Corpectomy Fixation

- Cages in a Human Cadaveric Spine Model.” Society of Lateral Access Surgeons (SOLAS). San Diego, CA. Podium presentation, May 2012.
21. **Deukmedjian AR**, Dakwar E, Le TV, Martinez C, Uribe JS. “Movement of retroperitoneal structures with positional change from supine to lateral decubitus using magnetic resonance imaging (MRI): implications on the lateral approach to the lumbar spine.” AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL. Poster presentation, 2012
 22. **Deukmedjian AR**, Dakwar E, Vasan R, Uribe JS. “Movement of the Abdominal Vasculature with Lateral Positioning.” Society of Minimally Invasive Spine Surgeons. Las Vegas, NV. Poster presentation, 2011.
 23. **Deukmedjian AR**, Dakwar E, Uribe JS. “L4/5 XLIF: Is it Safe?” Society of Minimally Invasive Spine Surgeons. Las Vegas, NV. Poster presentation, 2011.
 24. **Deukmedjian AR**, Vale F. “The need for surgical intervention in prolactin-secreting pituitary adenomas.” Southern Neurosurgical Society meeting, Boca Raton, FL. Oral presentation, 2010