

Curriculum Vitae

Kaveh Khajavi, MD, FACS

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Certification & Licensure

- 1999 – Present Diplomat of the American Board of Neurological Surgery
- 2002 – Present Georgia State Medical License

Current Positions

- 2003 – Present Georgia Spine & Neurosurgery Center, Atlanta, GA
Founder and President
- 2004 – Present Scottsdale Center for the Advancement of Neuroscience, Scottsdale, AZ
Director of Neurosurgery
- 2008 – Present Atlanta Falcons Football Club, Atlanta, GA
Neurosurgical Consultant
- 2008 – 2011 Atlanta Thrashers Hockey Club, Atlanta, GA
Neurosurgical Consultant
- 2012 – Present The Institute for Neurosurgical and Spinal Research Foundation, Atlanta, GA
Chairman, Board of Directors
- 2013 – Present Sports Concussion Institute, Atlanta, GA
Director of Neurosurgery
- 2014 – Present Atlanta Silverbacks, North American Soccer League, Atlanta, GA
Team Neurosurgeon

Hospital Affiliations

- 2006 – Present Piedmont Hospital, Atlanta, GA
- 2008 – Present St. Josephs Hospital, Atlanta, GA (Gamma Knife only)

Employment History

- 1996 – 1997 William Beaumont Army Medical Center, El Paso, TX
Staff Neurosurgeon
- 1997 – 2000 Walter Reed Army Medical Center, Washington, DC
Staff Neurosurgeon
- 2000 – 2002 Houston Spine and Neurosurgery Center, Houston, TX
Staff Neurosurgeon

2002 – 2003 WellStar Health Systems, Marietta, GA
Staff Neurosurgeon

2006 – 2011 DeKalb Medical Center, Decatur, GA
Chief of Neurosurgery Section

2008 – 2011 DeKalb Medical Center, Decatur, GA
Medical Director of Neuroscience

Academic Appointments

2013 – Present Adjunct Professor, Dept. of Physical Therapy
Georgia State University

2014 – Present Adjunct Clinical Associate Professor, Dept. of Physical Therapy
Mercer University College of Health Professions

1997 – 2000 Chief, Epilepsy and Functional Surgery Section, Department of Neurosurgery
Walter Reed Army Medical Center, Washington, DC

1997 – 2000 Assistant Professor, Department of Surgery
Uniformed Services University of the Health Sciences, Bethesda, MD

1999 – 2000 Assistant Professor, Department of Neurology
Uniformed Services University of the Health Sciences, Bethesda, MD

Residency

1989 – 1991 Baylor College of Medicine, Houston, TX
General Surgery Internship

1991 – 1996 Cleveland Clinic Foundation, Cleveland, OH
Neurosurgery Residency

Education

1981 – 1985 Emory University, Atlanta, GA
Bachelor of Arts, Chemistry

1985 – 1989 Georgetown University School of Medicine, Washington, DC
Doctor of Medicine

Military Background

1985 Commissioned 2nd Lieutenant, United States Air Force

1989 Promoted to Captain, United States Air Force

1996 Promoted to Major, United States Air Force

1997 Air Force Commendation Medal

2000 Meritorious Service Medal

Professional Affiliations

Fellow of the American College of Surgeons
American Association of Neurological Surgeons
Congress of Neurological Surgeons
Society of Lateral Access Surgery (Founding Member)
International Society for the Advancement of Spine Surgery
AANS/CNS Joint Spine and Peripheral Nerve Section
AANS Trauma and Critical Care Section
Military Spine Study Group
Georgia Neurosurgical Society
Georgia Concussion Coalition
Medical Association of Georgia
Society of Minimally Invasive Spine Surgery

Publications

1. **Khajavi K**, Shen A.Y, Hutchison A. Radiographic and Clinical Outcomes of a Minimally Invasive, Lateral, Transpoas Approach for Anterior Lumbar Interbody Fusion in the Treatment of Adult Degenerative Scoliosis. *Eur Spine J.*, 12 March 2014.
2. **Khajavi K**, Shen A.Y, Lagina L, Hutchison A. Comparison of Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion Stratified by Preoperative Diagnosis. Manuscript submitted To The Journal of Spine Surgery.
3. **Khajavi K**, Struebing AS. Safety and Efficacy of Bioabsorbable Cervical Spacers and Low-Dose rhBMP-2 in Multi-Level ACDF. Manuscript submitted to International Journal of Spine Surgery, anticipated publication summer 2014.
4. Phillips FM, Isaacs RE, Rodgers WB, **Khajavi K**, Tohmeh AG, Deviren V, Peterson MD, Hyde J, Kurd MF. Adult Degenerative Scoliosis Treated with XLIF. *Spine(Phila Pa 1976)* 2013;38:1853-61.
5. **Khajavi K**, Peterson M, Rodger WB. eXtreme Lateral Interbody Fusion (XLIF) in the Treatment of Lumbar Degenerative Spondylolisthesis. In: Goodrich JA, Volcan IJ, *eXtreme Lateral Interbody Fusion (XLIF), 2nd Edition*. St. Louis, MO: Quality Medical Publishing, Inc., 2013.
6. Tatsumi RL, **Khajavi K**, Lee YP, Bae HW, Taylor WR. In Vitro Comparison of Endplate Preparation Between Four Less-Invasive Approaches for Lumbar Interbody Fusion (XLIF® vs. Mini-TLIF vs. Mini-PLIF vs. Mini-ALIF). Manuscript in preparation. Anticipated print date, 2013.
7. **Khajavi K**, Shen AY. Minimally Invasive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: a Prospective Evaluation of Midterm Clinical and Radiographic Outcomes. 2012. Manuscript submitted Anticipated print date, 2014.
8. Jabbari B, Prohorenko O, **Khajavi K**, Mena H. Intractable Epilepsy and Mild Brain Injury: incidence, pathology and surgical outcome. *Brain Inj.* 2002 Jun;16(6):463-7.
9. Poffenbarger GJ, **Khajavi K**. Management of Solitary Intracranial Abscess. In Textbook of Neurological Surgery: Principles and Practice, Batjer H and Loftus C (Eds), Lippincott-Williams & Wilkins Publishers, 2002, p3142-50.

10. Gullick R, **Khajavi K**. Thoracic Disk Degeneration and Pain. Textbook of Neurological Surgery: Principles and Practice, Batjer H and Loftus C (Eds), Lippincott-Williams & Wilkins Publishers, 2002, p1651-56.
11. Jabbari B, **Khajavi K**, Rao K. Medullary dystonia. *J of Movement Disorders* 14(4): 698-700, 1999.
12. Perl J II, Tkach JA, Porrás-Jimenez M, Leiber M, Obuchowski N, Ross J, Ding X, Ruggieri PM, Shearer D, **Khajavi K**, Masryk T. Hemorrhage detection using MRI imaging of in the setting of acute stroke: an in vivo model. *Amer J of Neurorad* 20(10): 1863-70, 1999.
13. **Khajavi K**, Comair Y, Wyllie E, Palmer J, Morris H, Hahn JF. Surgical management of pediatric tumor associated epilepsy. *J Child Neurology* 14(1):15-25, 1999.
14. **Khajavi K**, Ayzman I, Schearer D, Jones S, Prayson RA, Levy JH, Hahn JF, Chyatte D. Prevention of chronic cerebral vasospasm in dogs with milrinone. *Neurosurgery* 40:354-363, 1997.
15. **Khajavi K**, Comair Y, Prayson R, Wyllie E, Palmer J, Estes M, Hahn JF. Childhood ganglioglioma and, medically intractable epilepsy: a clinicopathological study of 15 patients and a review of the literature. *Pediatr Neurosurg* 22:181-188, 1995.
16. Prayson R, **Khajavi K**, Comair Y. Cortical architectural abnormalities and MIB1 (Ki-67) immunoreactivity in ganglioglioma (GG): a study of 60 patients with intracranial tumors. *J Neuropath Exp Neurol* 54(4):513-520, 1995.
17. **Khajavi K**, Chyatte D. Subarachnoid hemorrhage: an overview. In Neurobase, DeMeter S. (Ed), Arbor Day Pub Corp, 1995.

Abstracts & Oral/Poster Presentations

1. Phillips F, Kanter A, **Khajavi K**, Peterson M. Comparison of Outcomes for Lumbar Fusion in the Treatment of Degenerative spondylolithesis and Degenerative Disc Disease: A Prospective study. Annual meeting of the North American Spine Society, San Francisco, CA. Nov 12-15, 2014.
2. Phillips F, Kanter A, **Khajavi K**, Peterson M. Comparison of Outcomes for Lumbar Fusion in the Treatment of Degenerative spondylolithesis and Degenerative Disc Disease: A Prospective study. 7th Annual Society of Lateral Access Surgery Research Meeting, Miami, FL, April 29, 2014.
3. **Khajavi K**, Shen AY. Safety and Efficacy of Bioabsorbable Cervical Spacers and Low-Dose rhBMP-2 for Multi-Level ACDF. International Society for the Advancement of Spine Surgery 14th Annual Conference, Miami, FL, April 30-May 2, 2014.
4. **Khajavi K**, Shen AY. Comparison of Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion by Pre-Operative Diagnosis. International Society for the Advancement of Spine Surgery 14th Annual Conference, Miami, FL, April 30-May 2, 2014.
5. **Khajavi K**, Shen AY, Hutchison T. Bioabsorbable Cervical Spacers and Low-Dose rhBMP-2 in Multi-Level ACDF. 2013 Georgia Neurosurgical Society Annual Fall Meeting, Lake Oconee, Georgia, December 7-9, 2013.
6. **Khajavi K**, Shen AY, Hutchison T. Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion Based on Pre-operative Diagnosis. 2013 Georgia Neurosurgical Society Annual Fall Meeting, Lake Oconee, Georgia, December 7-9, 2013.
7. Youssef JA, **Khajavi K**, Rodgers WB. Longitudinal Evoked EMG Neuromonitoring in eXtreme Lateral Interbody Fusion (XLIF): Interim Results of a Prospective Multicenter Study. 6th Annual Society of Lateral Access Surgery Research Meeting, Del Mar, California, May 9-11, 2013.

8. Tatsumi RL, **Khajavi K**, Lee YP, Bae HW, Taylor WR. In Vitro Comparison of Endplate Preparation Between Four Less-Invasive Approaches for Lumbar Interbody Fusion (XLIF® vs. Mini-TLIF vs. Mini-PLIF vs. Mini-ALIF). 6th Annual Society of Lateral Access Surgery Research Meeting, Del Mar, California, May 9-11, 2013.
9. **Khajavi K**, Shen AY, Lagina M, Hutchison T. Comparison of Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion by Indication. 6th Annual Society of Lateral Access Surgery Research Meeting, Del Mar, California, May 9-11, 2013.
10. **Khajavi K**, Shen AY, Hutchison T. Comparison of Clinical Outcomes Following Treatment of Degenerative Disc Disease or Degenerative Spondylolisthesis with Minimally Invasive Lateral Interbody Fusion. 81st American Association of Neurological Surgeons Annual Scientific Meeting, New Orleans, Louisiana, April 27-May 1, 2013.
11. **Khajavi K**, Shen AY, Hutchison T. Comparison of Clinical Outcomes Following Treatment of Degenerative Disc Disease or Degenerative Spondylolisthesis with Minimally Invasive Lateral Interbody Fusion. International Society for the Advancement of Spine Surgery 13th Annual Conference, Vancouver, BC, Canada. April 3-5, 2013.
12. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: a Prospective Evaluation of Midterm Clinical and Radiographic Outcomes. 2012 Georgia Neurosurgical Society Annual Fall Scientific Assembly, Atlanta, GA. November 16-17, 2012.
13. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Scoliosis: a Prospective Evaluation of Two-Year Clinical and Radiographic Outcomes. Society for Minimally Invasive Spine Surgery 2012 Annual Meeting, Miami, FL, September 21-23, 2012.
14. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: a Prospective Evaluation of Midterm Clinical and Radiographic Outcomes. Society for Minimally Invasive Spine Surgery 2012 Annual Meeting, Miami, FL, September 21-23, 2012.
15. **Khajavi K**, Shen AY, Hutchison T. Lateral Interbody Fusion in the Treatment of Spondylolisthesis. Society of Lateral Access Surgery East Regional Meeting, New York, NY, September 15, 2012.
16. **Khajavi K**. XLIF for Adult Degenerative Scoliosis: Clinical and Radiographic Results of a 24-Month Multi-Center Prospective Study. Society of Lateral Access Surgery East Regional Meeting, New York, NY, September 15, 2012.
17. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: a Prospective Evaluation of Midterm Clinical and Radiographic Outcomes. The 19th International Meeting on Advanced Spine Techniques, Istanbul, Turkey, July 18-21, 2012.
18. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: A Prospective Evaluation of Mid-term Clinical and Radiographic Outcomes. 5th Annual Society of Lateral Access Surgery Research Meeting, Del Mar, California, May 3-5, 2012.
19. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: A Prospective Evaluation of Mid-term Clinical and Radiographic Outcomes. 2012 Annual Lumbar Spine Research Society Meeting, Chicago, Illinois, April 26-27, 2012.
20. **Khajavi K**, Shen AY, Hutchison T. Minimally Disruptive Lateral Interbody Fusion in the Treatment of Degenerative Spondylolisthesis: A Prospective Evaluation of Mid-term Clinical Outcomes. 2012 Annual Meeting of the AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Orlando, Florida, March 7-10, 2012.

21. **Khajavi K.** Radiographic and Clinical Outcome of one Institutions Experience with Extreme lateral Interbody Fusion (XLIF) in the Treatment of Degenerative Scoliosis. 2011 Annual Meeting of the Society for Minimally Invasive Spine Surgery, Las Vegas, Nevada, October 21-23, 2011.
22. **Khajavi K.** Radiographic and Clinical Outcome of one Institutions Experience with Extreme lateral Interbody Fusion (XLIF) in the Treatment of Degenerative Scoliosis. 2011 Annual Meeting of the Congress of Neurological Surgeons, Washington, DC, October 1-6, 2011.
23. **Khajavi K.** Radiographic and Clinical Outcome of one Institutions Experience with Extreme lateral Interbody Fusion (XLIF) in the Treatment of Degenerative Scoliosis. 18th International Meeting on Advanced Spine Techniques, Copenhagen, Denmark, July 13-16, 2011.
24. **Khajavi K.** Radiographic and Clinical Outcome of one Institutions Experience with Extreme Lateral Interbody Fusion (XLIF) in the Treatment of Degenerative Scoliosis. 4th Annual Meeting of the Society of Lateral Access Surgeons, La Jolla, CA, April 2, 2011.
25. **Khajavi K, Gullick RA.** XLIF in the Treatment of Degenerative Conditions of the Lumbar Spine: Clinical and Radiographic Outcomes. 3rd Annual Meeting of the Society of Lateral Access Surgeons, La Jolla, CA, April 8-10, 2010.
26. **Khajavi K, Gullick RA.** XLIF in Adult Degenerative Scoliosis: Clinical Outcomes. 3rd Annual Meeting of the Society of Lateral Access Surgeons, La Jolla, CA, April 8-10, 2010.
27. Rogers W, Tohmeh A, Hyde J, Cohen D, Deviren V, **Khajavi K**, Peterson M, Dinh D, Hunt L, Huntsman K, Isaacs R, Richardson W, Malcolm J, Volcan I, Yoon S, Smith W, Anson J, Phillips F. A Prospective, Multicenter, Non-randomized Evaluation of XLIF in the Treatment of Adult Scoliosis: Mid-term Clinical Outcomes. 24th Annual Meeting of the North American Spine Society, San Francisco, CA, November 10-14, 2009.
28. Rogers W, Tohmeh A, Hyde J, Cohen D, Deviren V, **Khajavi K**, Peterson M, Dinh D, Hunt L, Huntsman K, Isaacs R, Richardson W, Malcolm J, Volcan I, Yoon S, Smith W, Anson J, Phillips F. A Prospective, Multicenter, Non-randomized Evaluation of XLIF in the Treatment of Adult Scoliosis: Mid-term Radiographic Outcomes. 24th Annual Meeting of the North American Spine Society, San Francisco, CA, November 10-14, 2009.
29. **Khajavi K.** Extreme Lateral Interbody Fusion (XLIF) in the Treatment of Degenerative Conditions of the Lumbar Spine. Poster presentation at the CNS Annual Meeting, San Diego, CA, September 15-20, 2007.
30. **Khajavi K, Mihelic E, Malcolm J.** Bioresorbable Spacers in the Treatment of Multilevel Cervical Spondylosis. 2006 Annual Meeting of the AANS/CNS Section of Disorders of the Spine and Peripheral Nerve, Lake Buena Vista, FL, March 15-18, 2006.
31. **Khajavi K, Mihelic E, Malcolm J.** Bioresorbable Spacers in the Treatment of Multilevel Cervical Spondylosis. Georgia Neurosurgical Society Meeting, November 19, 2005.
32. **Khajavi K,** Surgical Treatment of Extratemporal Epilepsy. 50th Annual Meeting of the Congress of Neurological Surgeons, San Antonio, TX, September 27, 2000.
33. **Khajavi K, Jabbari B, Christiansen D, Johnston P, Kelly M.** Postoperative memory dysfunction in patients with lesional temporal lobe epilepsy treated with lesionectomy or lobectomy and limited hippocampal resection. 68th Annual Meeting of the American Association of Neurologic Surgeons, San Francisco, CA, April 2000.
34. **Khajavi K.** Strategies for Extratemporal Resective Surgery. 49th Annual Meeting of the Congress of Neurological Surgeons, Boston, MA, November 3, 1999.
35. **Khajavi K.** Surgery for Mesial Temporal Sclerosis. 49th Annual Meeting of the Congress of Neurologic Surgeons, Boston, MA, November 3, 1999.

36. **Khajavi K.** Surgical Treatment of Movement Disorders. 18th Annual US Army Medical Department Neurology Conference: "Update in Neurology". Washington, DC, November 20, 1998.
37. Jabbari B, **Khajavi K.** Epilepsy Surgery: The Walter Reed Experience. 9th International Symposium: Epilepsy Surgery, Cleveland, OH, June 22-26, 1998.
38. Perl J II, Tkach JA, Ding X, Porras-Jiminenez M, Leiber M, Obuchowski N, Ruggieri PM, Shearer D, Masryk T, **Khajavi K.** MRI Detection of Hemorrhage in the Setting of Acute CVA: A Canine Model. 31st Annual Meeting of the American Society of Neuroradiology, Toronto, Canada, May 18-22, 1997.
39. Tkach JA, Perl J II, Porras-Jiminenez M, Ding X, Shearer D, Ruggieri PM, Ross JS, **Khajavi K,** Leiber M, Obuchowski N, Masryk T. Detection of Hyperacute Parenchymal Hematomas and Subarachnoid Hemorrhage: Dog Model. 5th Scientific Meeting and Exhibition of the International Society Magnetic Resonance in Medicine, Vancouver, British Columbia, Canada, April 12-18, 1997.
40. **Khajavi K,** Ayzman 1, Schearer D, Jones S, Murray P, Prayson RA, Levy JH, Hahn JF, Chyatte D. Milrinone for the treatment of cerebral vasospasm. 22nd Annual Richard Lende Winter Neurosurgery Conference, Snowbird, Utah, February 1996.
41. **Khajavi K,** Ayzman 1, Schearer D, Jones S, Murray P, Prayson RA, Levy JH, Hahn JF, Chyatte D. Prevention of chronic cerebral vasospasm in dogs with milrinone. Oral presentation, 45th Annual Meeting of the Congress of Neurological Surgeons, San Francisco, CA, Oct 17, 1995.
42. **Khajavi K,** Prayson R, Comair Y, Hahn JF. Cortical dysplasia and MIB1 immunoreactivity in patients with ganglioglioma. Plenary Session 1, at the 63rd Annual Meeting of the American Association of Neurologic Surgeons, Orlando, FL, April 24, 1995.
43. Prayson R, **Khajavi K,** Comair Y. Cortical dysplasia and MIB1 (Ki-67) immunoreactivity in ganglioglioma: a study of 60 patients. Annual Meeting of the United States and Canadian Academy of Pathology, Toronto, Canada, March 11-17, 1995.
44. Steiner CP, **Khajavi K,** Chyatte D, Ayzman 1, Hahn JF. Image doctor: a new system to quantitate angiographic narrowing in an animal model of vasospasm. 21st Annual Richard Lende Winter Neurosurgery Conference, Snowbird, UT, Feb 4-11, 1995.
45. **Khajavi K,** Comair Y, Prayson R, Wyllie E, Palmer J, Estes M, Hahn JF. Completeness of tumor resection determines seizure outcome in children with intractable epilepsy and gangliogliomas. 62nd Annual Meeting of the American Association of Neurologic Surgeons, San Diego, CA. April 13, 1994.
46. Hahn JF, **Khajavi K,** Comair Y, Prayson R, Wyllie E, Estes M. Childhood ganglioglioma and medically intractable epilepsy: a clinicopathological study of 15 patients and a review of the literature. Annual Meeting of the American Society of Pediatric Neurosurgeons, Nevis, West Indies. February 5, 1994.
47. **Khajavi K,** Comair Y, Wyllie E, Morris H, Hahn JF. Tumor associated epilepsy in children. Lende Winter Neurosurgical Society Meeting, Snowbird, UT. January 31, 1994.
48. **Khajavi K,** Comair Y, Wyllie E, Morris H, Hahn JF. Intractable epilepsy and primary brain tumors: completeness of tumor resection determines seizure outcome. 43rd annual meeting of the Congress of Neurologic Surgeons, Vancouver, British Columbia. October 6, 1993.

Invited Surgeon Faculty

1. Minimal Access Spine Surgery Residents and Fellows Course. Paramus, NJ. March 2014.
2. XLIF Research Symposium. Course Co-director. Hot Springs, VA November 2013
3. Advanced eXtreme Lateral Interbody Fusion Course. Instructor for Marquis Surgeon's Visit Program, Paramus, NJ. June 2013.

4. Expanded Indications for Lateral Lumbar Fusion Course. Instructor for Marquis Surgeon's Visit Program, Paramus, NJ. September 2012.
5. Advanced Lateral Lumbar Interbody Fusion Course. Instructor for Marquis Surgeon's Visit Program, SEN, San Diego, CA, July 2012.
6. Masters Spinal Surgery Course. Instructor for Marquis Surgeon's Visit Program, SEN, San Diego, CA, April 2011.
7. Complex Spinal Deformity Surgery. Instructor for Marquis Surgeon's Visit Program, SEN, San Diego, CA, December 2010.
8. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program, Walter Reed Army Medical/Bethesda Naval National Neurosurgery Consortium, Washington, DC, February 2010.
9. Expansive Cervical Laminoplasty: Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, April 2009.
10. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, April 2009.
11. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program, Upstate Department of Neurosurgery, Syracuse, NY, September 2008.
12. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, May 2008.
13. Instructor for Bethesda Spine Workshop, Cervical Section, Uniformed Services University of the Health Sciences, May 2008.
14. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, May 2007.
15. Extreme Lateral Lumbar Interbody Fusion (XLIF). Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, June 2006.
16. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program, SEN, San Diego, CA, April 2006.
17. Extreme Lateral Lumbar Interbody Fusion (XLIF). Instructor for Marquis Surgeon's Visit Program, South Florida Spine Clinic, February 2006.
18. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program, SEN, San Diego, CA, August 2005.
19. Extreme Lateral Lumbar Interbody Fusion (XLIF). Course Co-Director, University of South Florida, July 2004.
20. Instructor for Bethesda Spine Workshop, Peripheral Nerve Section, Uniformed Services University of the Health Sciences, June 2000.