Curriculum Vitae

Kaveh Khajavi, MD, FACS, FAANS
Board Certified, American Board of Neurological Surgery

Georgia Spine & Neurosurgery Center
Southeastern Neurosurgical Specialists

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Certification & Licensure

- Diplomat of the American Board of Neurological Surgery since 1999 (FAANS)
- Fellow of the American College of Surgeons since 1998 (FACS)
- Georgia State Medical License since 2002

Current & Past Positions

- Founder and President, Georgia Spine & Neurosurgery Center, Atlanta, GA. (2003-present)
- Founder & Chief Medical Officer, StartBox® LLC, Atlanta, GA.
- Neurosurgical Consultant, Soccer World Cup, Atlanta, GA. June-July 2026
- Neurosurgical Consultant, FIFA Club World Cup 2025, Atlanta, GA. June-July 2025
- Neurosurgical Consultant, **Atlanta Falcons Football Club**, Atlanta, GA (2008-2020)
- Neurosurgical Consultant, United States Major League Rugby (2018-2021)
- Team Neurosurgeon, Rubgy ATL, Atlanta GA (2019-2020)
- Lead Neurosurgeon, Shepherd Center Complex Concussion Clinic
- Neurosurgical Consultant, Georgia State University Athletic Department, Atlanta, GA (2013-2020)
- Medical Advisory Board, Aspire Medical Partners, Atlanta, GA
- Consultant, NuVasive Inc., San Diego, CA 92121 (2004-present)
- Medical Officer, NanoHive Medical, Woburn, MA 01801
- Surgical Advisory Board, Spinal Simplicity, Overland Park, KS (2018-2021)
- Board of Directors & Advisory Board, Brain Injury Association of Georgia, Atlanta, GA
- Director of Neurosurgery, Scottsdale Center for the Advancement of Neuroscience, Scottsdale, AZ
- Advisory Board, Kids & Pros Inc., Atlanta, GA

- Team Neurosurgeon, Georgia Swarm Professional Lacrosse Club, Atlanta, GA (2013-2020)
- Team Neurosurgeon, Atlanta Rollergirls, Atlanta, GA (2013-2020)
- Board of Directors, Georgia Concussion Coalition, Atlanta, GA (2011-2014)
- Chairman Board of Directors, Institute for Neurosurgical & Spinal Research Foundation (INSPIRE), Atlanta, GA (2012-2019)
- Neurosurgical Consultant Atlanta Thrashers Hockey Club, Atlanta, GA (2009-2011)
- Team Neurosurgeon, Atlanta Silverbacks, NASL, Atlanta, GA (2013-2016)
- Director of Minimally Invasive Spine Surgery, Piedmont Physicians Neurosurgery (2015-2018)
- Director of Neurosurgical Services, The Shepherd Center (2015-2018)
- Medical Executive Committee Member, The Shepherd Center (2015-2018)
- Director of Neurosurgery, Sports Concussion Institute, Atlanta, GA (2012-2016)
- Chief of Neurosurgery, DeKalb Medical Center, Decatur GA (2006-2011)

Employment History

- **Nov 2018 - present: Southeastern Neurosurgical Specialists, Northside Hospital, Atlanta, GA**
- 2015-2018: Director Minimally Invasive Spine Surgery, Piedmont Atlanta Hospital, Atlanta, GA
- 2015-2018: Chief of Neurosurgery, Shepherd Center, Atlanta GA
- **2003 - present: Founder, Georgia Spine & Neurosurgery Center**
- 2006 – 2011: Chief of Neurosurgery, DeKalb Medical Center, Decatur, GA
- April 2004- Nov 2018: Neurosurgeon, Piedmont Atlanta Hospital, Atlanta, GA
- Mar 2002 – Sept 2003: Neurosurgeon, WellStar Health Systems, Marietta, GA
- July 2000 – Feb 2002: Neurosurgeon, Houston Spine and Neurosurgery Center, Houston, TX
- Sept 1997 – July 2000: Staff Neurosurgeon, Walter Reed Army Medical Center, Washington, DC
- Aug 1996 – Sept 1997: Staff Neurosurgeon, William Beaumont Army Medical Center, El Paso, TX

Academic Appointments (past & present)

- Adjunct Professor, Dept. of Physical Therapy, Georgia State University, Atlanta GA
- Adjunct Professor, Dept. of Physical Therapy, Mercer Univ. College of Health Professions, Atlanta, GA
- 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 (1997-2000)
- Assistant Professor, Department of Neurology, Uniformed Services University of the Health Sciences, Bethesda, MD (1997-2000)

Residency

- General Surgery Internship, Baylor College of Medicine, Houston, TX. June 1989- Feb 1991
- Neurosurgery Residency, Cleveland Clinic Foundation, Cleveland, OH. Mar 1991- July 1996

Education

- Bachelor of Arts (Chemistry), Emory University, Atlanta, GA. May 1985
- Doctor of Medicine, Georgetown University School of Medicine, Washington, DC. May 1989

Military Background

- Commissioned 2nd Lieutenant, United States Air Force, April 1985
- Promoted to Captain, United States Air Force, May 1989
- Promoted to Major, United States Air Force, July 1996
- Air Force Commendation Medal, Oct 1997
- Meritorious Service Medal, May 2000

Professional Affiliations (past & present)

- American College of Surgeons
- American Association of Neurological Surgeons
- Society of Lateral Access Surgery (Founding Member)
- Southern Neurosurgical Society
- AANS/CNS Joint Spine and Peripheral Nerve Section
- Society of Minimally Invasive Spine Surgery
- International Society for the Advancement of Spine Surgery

- North American Spine Society
- AANS/CNS Trauma and Critical Care Section
- Congress of Neurological Surgeons
- Military Spine Study Group
- Georgia Neurosurgical Society
- Georgia Concussion Coalition
- Brain Injury Association of Georgia
- Medical Association of Georgia

Publications

1. Menezes C, Leal J, de Moraes Ogawa T, **Khajavi K**. Lateral single Position Surgery for Lumbar Fusion: A systematic Review and Meta-analysis. In press, Seminars in spire Surgery.

2. **Khajavi K**, Menezes C, Smith W, Berjano P. Low rate of hardware failure and revision surgery in patients treated with lateral lumbar interbody fusion and unilateral pedicle screw rod fixation. Manuscript submitted for publication.

3. Thomas A, Tayyab N, **Khajavi K**, Milam A, Smith W. Clinical and Radiographic Outcomes of a 3D-Printed Porous Titanium Intervertebral Cage in Anterior Lumbar Interbody Fusion (ALIF). Accepted for publication, Journal of Orthopaedic Surgery and Research.

4. **Khajavi K**, Youssef J, Eastlack RK, Niznik G, Smith W. Safety and Feasibility of Transabdominal Muscle Action Potential Monitoring (TMAP) in Lateral Lumbar Surgery. World Neurosurgery (2025) 197:123878; https://doi.org/10.1016/j.wneu.2025.123878

5. Gloystein D. Jackson K., **Khajavi K**. Innovative Technology System to Prevent Wrong Site Surgery, Capture & Reduce Near-Misses: A Longitudinal Review of 1187 cases. Submitted to The Joint Commission Journal on Quality and Patient Safety.

6. Guiroy A, De Andrada-Pereira B, Camino-Willhuber G, Berjano P, Buckland A, Gagliardi M, **Khajavi K**, Thomas A, Menezes C, Lehman R, Uribe J. Setting for Single Position surgery: Survey from Expert Spinal Surgeons. *Eur Spine J* (2022); https://doi.org/10.1007/s00586-022-07228-5.

7. **Khajavi K**, Menezes C, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. *Eur Spine J* (2022); https://doi.org/10.1007/s00586-022-07252-5

8. Thomas A, Menezes C, Buckland A, **Khajavi K**, Ashayeri K, Braly B, Cheng I, Berjano P. Single Position Circumferential Lumbar Spinal Fusion: An Overview of Terminology, Concepts, Rationale, and the Current Evidence Base. *Eur Spine J* (2022). https://doi.org/10.1007/s00586-022-07229-4

9. Farber SH, Sagar S, Godkik J, Zhou J, Walker CT, **Khajavi K**, Turner JD, Uribe JS. Radiographic Comparison of Lordotic and Hyper-lordotic Implants in L5-S1 Anterior Lumbar Interbody Fusion. J of Neurosurg: Spine 2022, 36(5), 775-783.

10. Bodon G, Kiraly K, Baska G, Barany L, Kiss M, Hunt B, Pussert A, Timothy J, Stubbs L, **Khajavi K**, Braly B. Applied Anatomy and Surgical Technique of the Lateral Single-Position L5-S1 Fusion. *Clinical Anatomy* 2021; 34(5):774-784.

11. Phillips FM, Basques BA, Shifflet GD, **Khajavi K**, Kanter AS, Peterson MD. Comparison of 2-year postoperative clinical outcomes between transforaminal and lateral transpsoas lumbar interbody fusion in the treatment of degenerative spondylolisthesis at L4-5. The Spine Journal 2014, 14 (11): S175-176

12. Uribe JS, Isaacs RE, Youssef JA, **Khajavi K**, Balzer JR, Kanter AS, Kuelling FA, Peterson MD. Can triggered electromyography monitoring throughout retraction predict postoperative symptomatic neuropraxia after XLIF? Results from a prospective multicenter trial. *Eur Spine J* 2015;24 Suppl 3:378-85.

13. **Khajavi K**, Shen AY. Substantial clinical benefit of minimally invasive lateral interbody fusion for degenerative spondylolisthesis. *Eur Spine J* 2015;24 Suppl 3:314-21

14. **Khajavi K**, Shen A.Y, Lagina L, Hutchison A. Comparison of Clinical Outcomes Following Minimally Invasive Lateral Interbody Fusion Stratified by Preoperative Diagnosis. *Eur Spine J* 2015;24 Suppl 3:322-30.

15. Tatsumi R, Lee YP, **Khajavi K**, Taylor W, Chen F, Bae H. In vitro comparison of endplate preparation between four mini-open interbody fusion approaches. *Eur Spine J* 2015;24 Suppl 3:372-7.

16. **Khajavi K**, Shen A.Y, Hutchison A. Radiographic and Clinical Outcomes of a Minimally Invasive, Lateral, Transpsoas Approach for Anterior Lumbar Interbody Fusion in the Treatment of Adult Degenerative Scoliosis. Eur Spine J 2014, vol 23 (6), p1215-1223

17. **Khajavi K**, Struebing AS. Safety and Efficacy of Bioabsorbable Cervical Spacers and Low-Dose rhBMP-2 in Multi-Level ACDF. International Journal of Spine Surgery, June 2014, vol 8, article 9.

18. 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.

19. **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.

20. 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.

21. 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.

22. 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.

23. Jabbari B, **Khajavi K**, Rao K. Medullary dystonia. *J of Movement Disorders* 14(4): 698-700, 1999.

24. Perl J II, Tkach JA, Porras-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.

25. **Khajavi K**, Comair Y, Wyllie E, Palmer J, Morris H, Hahn JF. Surgical management of pediatric tumor associated epilepsy. *J Child Neurology* 14(l):15-25, 1999.

26. **Khajavi K**, Ayzman 1, 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.

27. **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.

28. 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.

29. **Khajavi K**, Chyatte D. Subarachnoid hemorrhage: an overview. In Neurobase, DeMeter S. (Ed), Arbor Day Pub Corp, 1995.

Abstracts & Presentations

1. Dann K, Mihir C, Moskovic T, Budil L, Bayaton A, McDermott M, Boyett J, Jakoi A, **Khajavi K**, Thomas A, Szczepaniak M, Patel A.. Multicenter Validation of Transabdominal Muscle Action Potentials (TMAP): Refining Alarm Criteria for Detecting Nerve Injury. Submitted to 2026 Society to Minimally Invasive Spine Surgery Annual Forum, Las Vegas NV, Sept 10-12, 2026

2. Dann K, Chandra, Moskovic T, Budil L, Bayaton A, McDermott M, Saleh O, Jakoi A, **Khajavi K**, Mica M. Multicenter Validation of Transabdominal Muscle Action Potentials (TMAP): Refining Alarm Criteria for Detecting Nerve Injury. Presentation at Lumbar Spine Research Society (LSRS) 19th Annual Meeting, Chicago, Il. May 14–15, 2026

3. **Khajavi K**, Menezes C, Smith W, Berjano P. Low rate of hardware failure and revision surgery in patients treated with lateral lumbar interbody fusion and unilateral pedicle screw rod fixation. Brazilian Spine Society 20th Annual Meeting, Curitiba, PR. April 18-21, 2026

4. Spayde E, **Khajavi K**. Safety and Performance Outcomes of a 3D-Printed Porous Titanium Interbody Implant Following LLIF: a Retrospective Review. Submitted to 2025 Society to Minimally Invasive Spine Surgery Annual Forum, and 2025 American Association of Orthopedic Surgery.

5. **Khajavi K**, Menezes C, Smith W, Berjano P. Low rate of hardware failure and revision surgery in patients treated with lateral lumbar interbody fusion and unilateral pedicle screw rod fixation. ISASS 2025, Miami, Fl, 10-12 April 2025

6. **Khajavi K**, Gloystein DM, Heiges BA, Schwartz DG, DeVine JG, Spratt D. Innovative Technology System to Prevent Wrong Side Surgery, Capture and Reduce Near Misses: A Longitudinal Review of 1187 cases. Safety in Spine Surgery Summit, NY, NY, 15 April 2023

7. Menezes C, **Khajavi K**, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. Global spine Conference 2021, Paris, France. 3-6 Nov, 2021

8. **Khajavi K**, Menezes C, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. ISASS 2021, Miami, Fl. 13-15 May, 2021

9. Menezes C, **Khajavi K**, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. Abstract submitted to Eurospine Annual Conference, Gothenburg, Sweden. 13-15 Oct, 2021

10. **Khajavi K**, Menezes C, Braly B, Thomas A. Spinal Alignment Comparison for Lateral Versus Supine L5-S1 ALIF in the Treatment of Patients with Degenerative Conditions of the Lumbar Spine. Society of Minimally Invasive Spine Surgery Annual Forum '20, Las Vegas, NV, Oct 29-31,2020. Top 5 Paper Nominee.

11. Phillips FM, Basques BA, Shifflet GD, **Khajavi K**, Kanter AS, Peterson MD. Comparison of 2-year postoperative clinical outcomes between transforaminal and lateral transpsoas lumbar interbody fusion in the treatment of degenerative spondylolisthesis at L4-5. ISASS 20 Annual Conference, San Juan, Puerto Rico, Feb 26-28, 2020

12. Balzer JR, Billys J, Brown, CR, … **Khajavi K** et al. The feasibility of transcutaneous transabdominal stimulation of lumbosacral nerve roots in lumbar spine surgery. North American Spine Society Annual Meeting, Los Angeles, CA, Sept 26-29, 2018.

13. Malcolm JR, **Khajavi K**, Youseff JA, Eberle M. Power Drill Development, Utilization, & Surgeon Issues. 10th Annual Society of Lateral Access Surgery Research Meeting, San Diego, CA, May 19, 2018.

14. Balzer JR, Billys J, Brown, CR, … **Khajavi K** et al. The feasibility of transcutaneous transabdominal stimulation of lumbosacral nerve roots in lumbar spine surgery. 10th Annual Society of Lateral Access Surgery Research Meeting, San Diego, CA, May 19, 2018.

15. Phillips F, **Khajavi K**, Kanter A, Peterson M. A Prospective, Multi-center Comparison of Outcomes for Lumbar Fusion in the treatment of Degenerative Spondylolithesis and Degenerative Disc Disease at Two Year Follow-up. International Society for the Advancement of Spine Surgery 16th Annual Conference, Las Vegas, NV, April 6-8, 2016.

16. Phillips F, **Khajavi K**, Kanter A, Peterson M. A Prospective, Multi-center Comparison of Clinical Outcomes between TLIF and LLIF for the treatment of Degenerative Spondylolisthesis at L4-5 at Two-year Follow Up. Society of Minimally Invasive Spine Surgery Global Forum '15, Las Vegas, NV, Nov 5-7, 2015.

17. Phillips F, **Khajavi K**, Kanter A, Peterson M. Comparison of Outcomes for Lumbar Fusion in the Treatment of Degenerative spondylolithesis and Degenerative Disc Disease: A Prospective study. Updated results submitted to the annual meeting of the North American Spine Society, Chicago, IL. Oct 14-17, 2015.

18. Phillips F, **Khajavi K**, Kanter A, Peterson M. Comparison of Outcomes between XLIF and TLIF for the Treatment of Degenerative spondylolithesis at L4-5: A Prospective study. Updated results submitted to the annual meeting of the North American Spine Society, Chicago, IL. Oct 14-17, 2015.

19. Phillips F, **Khajavi K**, Kanter A, Peterson M. Comparison of Outcomes between XLIF and TLIF for the Treatment of Degenerative spondylolithesis at L4-5: A Prospective study. International Society for the Advancement of Spine Surgery 15th Annual Conference, San Diego, CA, April 15-17, 2015.

20. Phillips F, **Khajavi K**, Kanter A, Peterson M. Comparison of Outcomes for Lumbar Fusion in the Treatment of Degenerative spondylolithesis and Degenerative Disc Disease: A Prospective study. 8th Annual Society of Lateral Access Surgery Research Meeting, San Diego, CA, April 18, 2015.

21. **Khajavi K**, Niznik G. Femoral Nerve Monitoring during Lateral Transpsoas Approach to the Lumbar Spine. 8th Annual Society of Lateral Access Surgery Research Meeting, San Diego, CA, April 18, 2015.

22. **Khajavi K**, Niznik G. Femoral Nerve Monitoring during Lateral Transpsoas Approach to the Lumbar Spine. International Society for the Advancement of Spine Surgery 15th Annual Conference, San Diego, CA, April 15-17, 2015.

23. **Khajavi K**, Niznik G. Femoral Nerve Monitoring during Lateral Transpsoas Approach to the Lumbar Spine. 83rd Annual Meeting of the American Association of Neurologic Surgeons, Washington, DC. May 2-6, 2015.

24. Phillips F, **Khajavi K**, Kanter A, 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.

25. 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.

26. **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.

27. **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.

28. **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.

29. **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.

30. 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.

31. 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.

32. **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.

33. **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.

34. **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.

35. **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.

36. **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.

37. **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.

38. **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.

39. **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.

40. **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.

41. **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.

42. **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.

43. **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.

44. **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.

45. **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.

46. **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.

47. **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.

48. **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.

49. **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.

50. Rogers W, Tohmeh A, Hyde J, Cohen D, Deviren V, **Khajavi K**, Peterson M, Dinh D, Hunt L, Huntsman K, Isaaxs 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.

51. Rogers W, Tohmeh A, Hyde J, Cohen D, Deviren V, **Khajavi K**, Peterson M, Dinh D, Hunt L, Huntsman K, Isaaxs 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.

52. **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.

53. **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.

54. **Khajavi K**, Mihelic E, Malcolm J. Bioresorbable Spacers in the Treatment of Multilevel Cervical Spondylosis. Georgia Neurosurgical Society Meeting, November 19, 2005.

55. **Khajavi K**, Surgical Treatment of Extratemporal Epilepsy. 50th Annual Meeting of the Congress of Neurological Surgeons, San Antonio, TX, September 27, 2000.

56. **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.

57. **Khajavi K**. Strategies for Extratemporal Resective Surgery. 49th Annual Meeting of the Congress of Neurologic Surgeons, Boston, MA, November 3, 1999.

58. **Khajavi K**. Surgery for Mesial Temporal Sclerosis. 49th Annual Meeting of the Congress of Neurologic Surgeons, Boston, MA, November 3, 1999.

59. **Khajavi K**. Surgical Treatment of Movement Disorders. 18th Annual US Army Medical Department Neurology Conference: "Update in Neurology". Washington, DC, November 20, 1998.

60. Jabbari B, **Khajavi K**. Epilepsy Surgery: The Walter Reed Experience. 9th International Symposium: Epilepsy Surgery, Cleveland, OH, June 22-26, 1998.

61. 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.

62. 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.

63. **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.

64. **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.

65. **Khajavi K**, Prayson R, Comair Y, Hahn JF. Cortical dysplasia and MlBl 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.

66. Prayson R, **Khajavi K**, Comair Y. Cortical dysplasia and MlBl (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.

67. 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.

68. **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.

69. 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.

70. **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.

71. **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. Faculty for XLIF in Lumbar Degenerative Conditions Course (NuVasive). San Diego, CA, 21 NOV 2024
2. Faculty for XLIF in Lumbar Degenerative Conditions Course (NuVasive). Englewood, NJ, 21 Oct 2023
3. Panelist for "The Impact of XLIF over 20 years. "Celebrating 20 Years of XIF". Society for Minimally Invasive Spine Surgery, Las Vegas NV 5 Oct 2023
4. Guest faculty for "20 Years of XIF". International Society for the Advancement of Spine Surgery, Miami, FL 17 March, 2023
5. Faculty for XLIF in Lumbar Degenerative Conditions Course (NuVasive). San Diego, CA, Aug 27, 2022
6. Faculty for Lumbar Corpectomy Course (NuVasive). San Diego, CA, Nov 1, 2019
7. Faculty for Lateral Position L5-S1 ALIF Course (NuVasive). Miami, FL, Sept 8, 2019
8. Lab faculty, Cleveland Clinic Spine Review Course. Cleveland, OH. July 18-22, 2019
9. Faculty for Lumbar Corpectomy Course and L5-S1 ALIF in the Lateral Position (NuVasive). San Diego, CA, June 29, 2019
10. Faculty for Treatment of Degenerative Conditions at L4-S1 in the Lateral Position Course (NuVasive). San Diego, CA, May 19, 2018
11. Faculty for Treatment of Degenerative Conditions at L4-S1 in the Lateral Position Course (NuVasive). San Diego, CA, May 17, 2018
12. Instructor for Single Position Lateral Solutions to Treat L4-S1 Course (NuVasive). Atlanta, GA, May 12, 2018
13. Single Position Lateral Solutions to Treat L4-S1, Featuring Advanced 3D Printer Implants and LessRay Radiation Emission Reduction Technology. American Association of Neurologic Surgeons Annual Meeting, New Orleans, LA, April 30, 2018.
14. Instructor for NuVasive Lateral L5-S1 ALIF Course, Baltimore, MD, April 27, 2018
15. Instructor for NuVasive Lateral L5-S1 ALIF Course, San Diego, CA, March 22-23, 2018
16. Instructor for NuVasive Lateral L5-S1 ALIF Course, San Diego, CA, February 16, 2018
17. Instructor for NuVasive Lateral L5-S1 ALIF Course, San Diego, CA, Dec 1-2, 2017

18. Instructor for NuVasive Lateral L5-S1 ALIF Course, San Diego, CA, Nov 9-11, 2017
19. Course Director, Piedmont Spine Update 2015, Atlanta, GA, 14 Nov 2015.
20. Advanced XLIF Course. Instructor for Surgeon's Visit Program (NuVasive), San Antonio, TX, 12-13 June 2015
21. Advanced XLIF Course. Instructor for Marquis Surgeon's Visit Program (NuVasive), Paramus, NJ. 27 June 2014.
22. Instructor for Minimal Access Spine Surgery Residents and Fellows Course (NuVasive). Paramus, NJ. 29 March 2014.
23. XLIF Research Symposium. Course Co-director. Hot Springs, VA November 2013
24. Minimally Invasive Spine Surgery. Instructor for Surgeon's Visit Program (NuVasive), Birmingham, AL 24 October 2013
25. Minimally Invasive Spine Surgery. Instructor for Surgeon's Visit Program (NuVasive), Huntsville, AL 7 August 2013
26. Advanced eXtreme Lateral Interbody Fusion Course (NuVasive). Instructor for Marquis Surgeon's Visit Program, Paramus, NJ. June 2013
27. Expanded Indications for Lateral Lumbar Fusion Course (NuVasive). Instructor for Marquis Surgeon's Visit Program, Paramus, NJ. September 2012.
28. Advanced Lateral Lumbar Interbody Fusion Course (NuVasive). Instructor for Marquis Surgeon's Visit Program, San Diego, CA, July 2012.
29. Masters Spinal Surgery Course. Instructor for Marquis Surgeon's Visit Program (NuVasive), San Diego, CA, April 2011.
30. Complex Spinal Deformity Surgery. Instructor for Marquis Surgeon's Visit Program (NuVasive), San Diego, CA, December 2010.
31. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program (NuVasive), Walter Reed Army Medical/Bethesda Naval National Neurosurgery Consortium, Washington, DC, February 2010.
32. Expansive Cervical Laminoplasty: Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, April 2009.
33. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, April 2009.
34. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program, Upstate Department of Neurosurgery, Syracuse, NY, September 2008.

35. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, May 2008.
36. Instructor for Bethesda Spine Workshop, Cervical Section, Uniformed Services University of the Health Sciences, May 2008.
37. Lateral Lumbar Fusion Options. Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, May 2007.
38. Extreme Lateral Lumbar Interbody Fusion (XLIF). Instructor for Bethesda Spine Workshop, Uniformed Services University of the Health Sciences, June 2006.
39. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program (NuVasive), San Diego, CA, April 2006.
40. Extreme Lateral Lumbar Interbody Fusion (XLIF). Instructor for Marquis Surgeon's Visit Program (NuVasive), South Florida Spine Clinic, February 2006.
41. Maximum Access Spine Surgery. Instructor for Marquis Surgeon's Visit Program (NuVasive), San Diego, CA, August 2005.
42. Extreme Lateral Lumbar Interbody Fusion (XLIF). Course Co-Director (NuVasive), University of South Florida, July 2004.
43. Instructor for Bethesda Spine Workshop, Peripheral Nerve Section, Uniformed Services University of the Health Sciences, June 2000

Invited Concussion Talks: NFL / Atlanta Falcons / Heads up / USA Football

1. Sports Concussions: Piedmont Brainstorm, 22 July 2011
2. Football Concussions. NFL Health & Safety Talk, Stone Mountain HS, 19 April 2012
3. Sports head injuries. Chiropractic & Beyond Fall Seminars, Marietta GA, 3 Dec 2011.
4. Football Concussions. Atlanta Falcons Coaches Clinic, Flowery Branch GA, 14 June 2013
5. Football Concussions. USA Football Player Safety Clinic, Marist High school, Atlanta, GA, July 2013
6. Football Concussions. USA Football Player Safety Clinic, Marist High school, Atlanta, GA, 3 August 2013
7. Sports head injuries. Chiropractic & Beyond Fall Seminars, Marietta, GA, 6 Oct 2012
8. Sports head injuries. Chiropractic & Beyond Fall Seminars, Marietta, GA, 1 Dec 2012

9. Football Concussions. NFL Mom's clinic, Kings Ridge Christian School, Alpharetta GA, 18 March 2014

10. Football Concussions. NFL Mom's clinic, Sandy Creek High School, Tyrone GA, 22 April 2014

11. Football Concussions. USA / Heads up football, Atlanta, GA, 15 July 2014

Patents

1. **Percutaneous Pedicle Screw Revision System**
   Publication number: 20210113245
   Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
   Type: Application
   Filed: December 9, 2020
   Publication date: April 22, 2021
   Inventors: Kaveh Khajavi, David E. Lane, II

2. **Percutaneous pedicle screw revision system**
   Patent number: 10888355
   Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
   Type: Grant
   Filed: July 6, 2018
   Date of Patent: January 12, 2021
   Assignee: Spinal Elements, Inc.
   Inventors: Kaveh Khajavi, David E. Lane, II

3. **Safety-Blade Dispenser and Related Methods**
   Publication number: 20200261177
   Abstract: Safety-blade dispensers for safely storing surgical blades prior to surgery and optionally for retrieving used surgical blades after surgery. In either case, the safety-blade dispenser is configured to store one or more surgical blades in an orientation that allows a user to simply and safely attach a surgical tool handle to the surgical blades (and optionally remove the handle from the surgical blades) without requiring the user to physically touch or manipulate the surgical blades by hand. The safety-blade dispensers disclosed herein may be used alone or in conjunction with a system and method of preventing wrong-site surgery.
   Type: Application
   Filed: September 16, 2019

Publication date: August 20, 2020
Inventors: Kaveh Khajavi, David E. Lane, II, Luke Boland, Christopher Davis, John G. Kerwood

4. **Safety-blade dispenser and related methods**
Patent number: 10413378
Abstract: Safety-blade dispensers for safely storing surgical blades prior to surgery and optionally for retrieving used surgical blades after surgery. In either case, the safety-blade dispenser is configured to store one or more surgical blades in an orientation that allows a user to simply and safely attach a surgical tool handle to the surgical blades (and optionally remove the handle from the surgical blades) without requiring the user to physically touch or manipulate the surgical blades by hand. The safety-blade dispensers disclosed herein may be used alone or in conjunction with a system and method of preventing wrong-site surgery.
Type: Grant
Filed: May 4, 2017
Date of Patent: September 17, 2019
Assignee: STARTBOX, LLC
Inventors: Kaveh Khajavi, David E. Lane, II, Luke Boland, Christopher Davis, John G. Kerwood

5. **Percutaneous Pedicle Screw Revision System**
Publication number: 20180310963
Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
Type: Application
Filed: July 6, 2018
Publication date: November 1, 2018
Inventors: Kaveh Khajavi, David E. Lane, II

6. **SYSTEM AND METHOD FOR PREVENTING WRONG-SITE SURGERIES**
Publication number: 20180289387
Abstract: A system and related methods of preventing wrong-site surgeries and blade-related injuries to OR personnel, which includes a computer software system (for use on computers or hand-held devices in the medical environment) in combination with a surgical supply carrier (such as a safety blade-dispenser or other surgical sharps dispenser). The surgical supply carrier comprises at least one component, such as a label, which prevents or impedes a surgeon from accessing one or more surgical instruments stored within until after a "time-out" is performed by the surgeon or authorized OR personnel to confirm various details including but not limited to correct patient, correct procedure, correct equipment, etc, before starting the intended surgical procedure. Data can be captured throughout the medical environment (from "decision-to-incision" and beyond) to assess wrong-site surgery data (including "near miss" data) and enable a host of analytics on wrong-site surgery prevention.
Type: Application
Filed: October 3, 2016
Publication date: October 11, 2018
Inventors: Kaveh Khajavi, David E. Lane, II, John G. Kerwood, Christopher Davis, Jonathan David Spangler, Timothy Brian Dentry

7. **MULTI-FUNCTIONAL SANITIZATION APPARATUS AND RELATED METHODS**

Publication number: 20180280554
Abstract: The present invention relates to a method and apparatus for preventing bacterial cross-contamination between a user's personal item and a bacterially sensitive environment. More particularly, the present invention is directed to a method and apparatus for sanitizing a user's hands and cell phone prior to the user entering into a steril operating room, thereby minimizing the introduction of contaminants via the cell phone.
Type: Application
Filed: November 23, 2016
Publication date: October 4, 2018
Inventors: Kaveh Khajavi, David E. Lane

8. **Percutaneous pedicle screw revision system**

Patent number: 10039573
Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
Type: Grant
Filed: February 23, 2017
Date of Patent: August 7, 2018
Assignee: Amendia, Inc.
Inventors: Kaveh Khajavi, David E. Lane, II

9. **Safety-Blade Dispenser and Related Methods**

Publication number: 20170360523
Abstract: Safety-blade dispensers for safely storing surgical blades prior to surgery and optionally for retrieving used surgical blades after surgery. In either case, the safety-blade dispenser is configured to store one or more surgical blades in an orientation that allows a user to simply and safely attach a surgical tool handle to the surgical blades (and optionally remove the handle from the surgical blades) without requiring the user to physically touch or manipulate the surgical blades by hand. The safety-blade dispensers disclosed herein may be used alone or in conjunction with a system and method of preventing wrong-site surgery.
Type: Application
Filed: May 4, 2017
Publication date: December 21, 2017
Inventors: Kaveh Khajavi, David E. Lane, II, Luke Boland, Christopher Davis, John G. Kerwood

10. **SYSTEM AND METHOD FOR PREVENTING WRONG-SITE SURGERIES**

Publication number: 20170329911
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the

container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. The system and method may also include a wrong site surgery profile used by individuals within the surgical procedure environment and third parties for tracking and determining if, and where, a wrong site surgical procedure occurred. The profile can be updated, tacked and monitored while a patient is interacting within the medical environment.
Type: Application
Filed: July 31, 2017
Publication date: November 16, 2017
Inventor: Kaveh Khajavi

11. System and method for preventing wrong-site surgeries

Patent number: 9721064
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. The system and method may also include a wrong site surgery profile used by individuals within the surgical procedure environment and third parties for tracking and determining if, and where, a wrong site surgical procedure occurred. The profile can be updated, tacked and monitored while a patient is interacting within the medical environment.
Type: Grant
Filed: October 2, 2015
Date of Patent: August 1, 2017
Assignee: StartBox, LLC
Inventor: Kaveh Khajavi

12. Percutaneous Pedicle Screw Revision System

Publication number: 20170164983
Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
Type: Application
Filed: February 23, 2017
Publication date: June 15, 2017
Inventors: Kaveh Khajavi, David E. Lane, II

13. Percutaneous pedicle screw revision system

Patent number: 9610104
Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend

pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
Type: Grant
Filed: July 25, 2014
Date of Patent: April 4, 2017
Assignee: Amendia, Inc.
Inventors: Kaveh Khajavi, David E. Lane, II

14. Spinal implant revision device

Patent number: 9451994
Abstract: A spinal implant revision device has a revision connector and a tulip member. The revision connector is configured for attachment to a pre-existing rod in a patient. The revision connector has a slotted opening configured to receive a first or a pre-existing rod. The tulip member is pivotally connected to the revision connector and movable in angularity within predetermined ranges in a first plane. This first plane is parallel to a rod to which the revision connector is attached. A second plane which is non-parallel to that first plane allows a second or new rod to be received in the tulip and allows the second rod to pivot relative to the first rod.
Type: Grant
Filed: June 30, 2015
Date of Patent: September 27, 2016
Assignee: Amendia, Inc.
Inventors: Dale Whipple, Jason Hayes Tillett, William C. Tally, Kaveh Khajavi

15. System and method for preventing wrong-site surgeries

Publication number: 20160022361
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. The system and method may also include a wrong site surgery profile used by individuals within the surgical procedure environment and third parties for tracking and determining if, and where, a wrong site surgical procedure occurred. The profile can be updated, tacked and monitored while a patient is interacting within the medical environment.
Type: Application
Filed: October 2, 2015
Publication date: January 28, 2016
Inventor: Kaveh Khajavi

16. System and method for preventing wrong-site surgeries

Patent number: 9168107
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the

container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. Preferably, the container top may be removed and placed between the surgeon and surgical technician to define a no-hands "neutral zone" to avoid being stuck by the sharps. Also, the container preferably includes compartments for storing used sharps and/or a local anesthetic-loaded syringe, and the top may be replaced and secured for safely disposing of the sharps after the surgery.
Type: Grant
Filed: December 30, 2013
Date of Patent: October 27, 2015
Assignee: StartBox, LLC
Inventor: Kaveh Khajavi

17. Spinous process fixation plate and minimally invasive method for placement

Patent number: 9149305
Abstract: The invention is directed to a laterally inserted spinous process plating device and a method for installing the device using a minimally invasive procedure. The device includes a partially threaded bolt as well as a contralateral and ipsilateral fixation plates, a deployment nut, a lag nut and a locking nut. Each fixation plate includes a pair of wing portions that are pivotally connected to one another to facilitate installation. The each of the fixation plates includes anchoring elements.
Type: Grant
Filed: October 14, 2010
Date of Patent: October 6, 2015
Assignee: Latitude Holdings, LLC
Inventors: Kaveh Khajavi, David E. Lane

18. Percutaneous Pedicle Screw Revision System

Publication number: 20150032158
Abstract: The present invention describes a system, devices and methods for percutaneous pedicle screw revision procedures. The present invention utilizes a tulip rod stub/connector adapted to be used to extend pedicle screw/rod constructs with minimal disruption to surrounding soft tissue and without having to remove existing hardware.
Type: Application
Filed: July 25, 2014
Publication date: January 29, 2015
Inventors: Kaveh Khajavi, David E. Lane, II

19. System and method for preventing wrong-site surgeries

Publication number: 20140110298
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. Preferably, the container top may be removed and placed between the surgeon and

surgical technician to define a no-hands "neutral zone" to avoid being stuck by the sharps. Also, the container preferably includes compartments for storing used sharps and/or a local anesthetic-loaded syringe, and the top may be replaced and secured for safely disposing of the sharps after the surgery.
Type: Application
Filed: December 30, 2013
Publication date: April 24, 2014
Applicant: StartBox, LLC
Inventor: Kaveh Khajavi

20. Spinal implant revision device

Patent number: RE46840
Abstract: A spinal implant revision device has a revision connector and a tulip member. The revision connector is configured for attachment to a pre-existing rod in a patient. The revision connector has a slotted opening configured to receive a first or a pre-existing rod. The tulip member is pivotally connected to the revision connector and movable in angularity within predetermined ranges in a first plane. This first plane is parallel to a rod to which the revision connector is attached. A second plane which is non-parallel to that first plane allows a second or new rod to be received in the tulip and allows the second rod to pivot relative to the first rod.
Type: Grant
Filed: July 5, 2017
Date of Patent: May 15, 2018
Assignee: Amendia, Inc.
Inventors: Dale Whipple, Jason Hayes Tillett, William C. Tally, Kaveh Khajavi, Geoffrey Toon

21. System and method for preventing wrong-site surgeries

Patent number: 8616215
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. Preferably, the container top may be removed and placed between the surgeon and surgical technician to define a no-hands "neutral zone" to avoid being stuck by the sharps. Also, the container preferably includes compartments for storing used sharps and/or a local anesthetic-loaded syringe, and the top may be replaced and secured for safely disposing of the sharps after the surgery.
Type: Grant
Filed: November 9, 2005
Date of Patent: December 31, 2013
Assignee: StartBox, LLC
Inventors: Kaveh Khajavi, James D. Griffin

22. Spinous process fixation plate and minimally invasive method for placement

Publication number: 20110087285
Abstract: The invention is directed to a laterally inserted spinous process plating device and a method for installing the device using a minimally invasive procedure. The device includes a partially threaded bolt as well

as a contralateral and ipsilateral fixation plates, a deployment nut, a lag nut and a locking nut. Each fixation plate includes a pair of wing portions that are pivotally connected to one another to facilitate installation. The each of the fixation plates includes anchoring elements.
Type: Application
Filed: October 14, 2010
Publication date: April 14, 2011
Inventors: Kaveh Khajavi, David E. Lane

23. System and method for preventing wrong-site surgeries
Publication number: 20060096877
Abstract: A container holds at least one surgical implement, has a lock mechanism, and has a signature label that impedes access to the surgical implement until the correct surgical site is confirmed. A method of using the container includes the steps of confirming the correct surgical site, signing the label and removing it from the container, placing the label in the medical record, unlocking the container, removing the implement, and beginning the surgery, wherein the surgical team is forced to pause to confirm the correct surgical site before starting the surgery. Preferably, the container top may be removed and placed between the surgeon and surgical technician to define a no-hands "neutral zone" to avoid being stuck by the sharps. Also, the container preferably includes compartments for storing used sharps and/or a local anesthetic-loaded syringe, and the top may be replaced and secured for safely disposing of the sharps after the surgery.
Type: Application
Filed: November 9, 2005
Publication date: May 11, 2006
Inventors: Kaveh Khajavi, James Griffin