

KEVIN L. JU, M.D.

Texas Back Institute
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EDUCATION

<i>Bellaire High School</i> Bellaire, Texas	Valedictorian (Graduating class size: 675)	August 1998 – June 2002
<i>Stanford University</i> Stanford, California	B.S. Biological Sciences Degree conferred with <i>Honors</i> in Neurobiology, with <i>University</i> <i>Distinction</i> , and with the <i>J.E.</i> <i>Wallace Sterling Award for</i> <i>Scholastic Achievement</i> (GPA 4.1/4.0)	September 2002 – June 2006
<i>Harvard Medical School</i> Boston, Massachusetts	M.D. High Honors in every course/rotation	August 2006 – May 2010

GRADUATE MEDICAL EDUCATION

Internship and Residency:

<i>General Surgery Internship</i> Massachusetts General Hospital Boston, Massachusetts	June 2010 – June 2011 Director: John Mullen, MD
<i>Harvard Combined Orthopaedic Surgery Residency Program</i> ~Administrative Chief Resident, Massachusetts General Hospital~ Massachusetts General Hospital, Brigham & Women's Hospital Children's Hospital Boston, Beth Israel Deaconess Medical Center Boston, Massachusetts	June 2011 – June 2015 Director: George Dyer, MD

Fellowship:

<i>Emory University Spine Fellowship</i> Emory Spine Center Atlanta, Georgia	August 2015 – July 2016 Director: John Heller, MD
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APPOINTMENTS

Academic:

2010 – 2011	Clinical Fellow in Surgery, Harvard Medical School, Boston, MA
2011 – 2015	Clinical Fellow in Orthopaedic Surgery, Harvard Medical School, Boston, MA
2015 – 2016	Senior Associate in Orthopaedics, Emory University School of Medicine, Atlanta, GA
2015 – 2016	Associate in Orthopaedics, The Emory Clinic, Atlanta, GA

HONORS AND AWARDS

- 2002 National Merit Scholar
- 2002 Awarded International Baccalaureate Diploma– Challenging two year curriculum covering the experimental sciences, social sciences, languages, mathematics, and arts
- 2004 National Rookie of the Year (Archery) – Men’s Compound Bow division
- 2004 ExxonMobil Teagle Scholarship
- 2005 URO Major Grant – Competitive one year grant to fund undergraduate research (Stanford University)
- 2005 National Archery Association Scholarship – National scholarship awarded for leadership and academic achievement
- 2003 – 2006 Broke seven high-score records in California and the U.S. West Region (Archery)
- 2006 Firestone Medal for Excellence in Research – Awarded to top 10% of all theses in social science, science, and engineering (Stanford University)
- 2006 J.E. Wallace Sterling Award for Scholastic Achievement – Awarded to top 25 individual graduating seniors by GPA (Stanford University)
- 2007 Tylenol Scholarship – Nationwide scholarship awarded for leadership and academic performance
- 2007 Louis W. Gilbert Fellowship – Competitive one year clinical research fellowship (Harvard Medical School)
- 2013 Charles Ray Best Clinical Paper Award (International Society for the Advancement of Spine Surgery)
- 2014 Brigham and Women’s Faulkner Hospital I CARE Award – Recognizes individuals who go above and beyond regular job responsibilities
- 2014 – 2015 Selected as Administrative Chief Resident, Massachusetts General Hospital
- 2015 Harvard Orthopaedic Residency Program Executive Committee Award for Excellence on the Orthopaedics In-Training Exam (highest score throughout five-year residency)

ORGANIZATIONS, COMMITTEES, & ACTIVITIES

Extracurricular Activities:

- 2002 – 2006 Stanford Archery Program (Stanford, CA)
Helped create, recruit, train, and lead the first nationally ranked archery team at Stanford. In addition, created and operated a small business offering community archery lessons that grossed over \$50,000 annually.
- 2004 – 2006 Pacific Free Clinic (San Jose, CA)
Stanford University affiliated health clinic that provides free healthcare for low-income, uninsured adults in the San Jose area.
- 2006 – 2008 Health Collaboration Services (Boston, MA)
A management consulting organization that provides strategic advice and guidance to healthcare-related nonprofit organizations around the greater Boston area.
- 2006 – 2008 Common Hope for Health (Boston, MA)
A non-profit corporation in Massachusetts with 501(c)3 tax-exempt status. CHH’s mission is to develop long-term partnerships with community-based health initiatives in resource-poor settings around the world.

- 2006 – 2008 Student Interest Group in Neurosciences (Boston, MA)
Student club dedicated toward advancing interest in the nervous system, neurology, and neurosurgery through guest lectures, dinner talks, and other events around Harvard Medical School.
- 2007 – 2008 Student Teaching Corps (Boston, MA)
Tutored first year medical students & held review sessions throughout the Harvard Medical School Human Anatomy curriculum.
- 2016 Best Doctors (Boston, MA)
Served as a Medical Doctor Consultant for Best Doctors, an international service that provides medical reviews, second opinions, and treatment recommendations from physicians identified as international leaders in their fields.

Professional Societies:

American Medical Association	2006 – 2011	Member
Massachusetts Medical Society	2006 – 2015	Member
American Academy of Orthopaedic Surgeons	2010 – Present	Member
North American Spine Society	2013 – Present	Member
Harvard Medical School Orthopedic Trauma Initiative	2014 – Present	Member
AOSpine North America	2015 – Present	Member

PUBLICATIONS

Book Chapters:

1. Ian Dunn, **Kevin L. Ju**, Robert Friedlander. “Middle Cerebral Artery Aneurysms” *Fundamentals of Operative Techniques in Neurosurgery*. Eds. Connolly, E.S., McKhann, G.M. II, Huang, J., Choudhri, T.F. New York: Thieme, 2010. 114 – 120.
2. **Kevin L. Ju** and Mitchel B. Harris. “Initial Evaluation of the Spine in Trauma Patients” *Skeletal Trauma 5th Edition*. Eds. Browner, B.D., Jupiter, J.B., Anderson, P.A., Krettek, C. Philadelphia: Saunders Elsevier, 2014. 303 – 314.
3. **Kevin L. Ju** and John G. Heller. “Degenerative Disorder of the Cervical Spine / Cervical Stenosis” *Spine Injuries in Athletes*. Eds. Hecht, A.C., Batjer, H., Ellenbogen, R., Hsu, W., Ludwig, S., Vaccaro, A. In Press.
4. **Kevin L. Ju**, Feifei Zhou, and John M. Rhee. “Cervical Laminoplasty” *Essentials of Spinal Stabilization*. Eds. Holly, L. & Anderson, P. In Press.

Scientific Articles (peer-reviewed journals):

1. **Kevin L. Ju**, Nathan Manley, and Robert Sapolsky. “Anti-apoptotic therapy with a Tat fusion protein protects against excitotoxic insults in vitro and in vivo.” *Experimental Neurology*. April 2008. 210(2): 602-7.
2. Teresa Santiago-Sim, Steven R. DePalma, **Kevin L. Ju**, Barbara McDonough, Christine E. Seidman, J.G. Seidman, Dong H. Kim. “Genomewide Linkage in a Large Caucasian Family Maps a New Locus for Intracranial Aneurysms to Chromosome 13q.” *Stroke*. March 2009. 40(Suppl 1): S57-60.
3. **Kevin L. Ju**, David Zurakowski, Mininder S. Kocher. “Differentiating between methicillin-resistant and methicillin-sensitive *Staphylococcus aureus* osteomyelitis in children: an evidence-based clinical

prediction algorithm.” *Journal of Bone and Joint Surgery American*. September 2011. 93(18): 1693-1701.

4. Sang D. Kim, Rojeh Melikian, **Kevin L. Ju**, David Zurakowski, Kirkham B. Wood, Christopher M. Bono, Mitchel B. Harris. “Independent Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses.” *The Spine Journal*. August 2014. 14(8): 1673-9.
5. **Kevin L. Ju**, Sang D. Kim, Rojeh Melikian, Christopher M. Bono, Mitchel B. Harris. “Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions.” *The Spine Journal*. January 2015. 15(1): 95-101.
6. Michiel Hageman, Ahmet Kinaci, **Kevin L. Ju**, Thierry G. Guitton, Chaitanya S. Mudgal, David Ring, and the Science of Variation Group. “Carpal Tunnel Syndrome: Assessment of Surgeon and Patient Preferences and Priorities for Decision-Making.” *Journal of Hand Surgery*. September 2014. 39(9): 1799-1804.
7. **Kevin L. Ju**, Rachel Deering, Dafang Zhang, Mitchel B. Harris, Christopher M. Bono. “Ensuring Homogenous Study Groups for Randomized Trials in Spine.” *Ann Orthop Rheumatol*. 2015. 3(1): 1041
8. John M. Rhee and Kevin L. Ju. “Anterior Cervical Decompression and Fusion.” *Journal of Bone and Joint Surgery Essential Surgical Techniques*. November 2016. 6(4):e37.
9. John Kleimeyer, Kirkham Wood, Greger Lonne, Tyler Herzog, **Kevin L. Ju**, Lisa Beyer, Christine Park. “Surgery for Refractory Coccygodynia: Operative versus Nonoperative Treatment.” *Spine*. In Press.
10. Rojeh Melikian, Sang D. Kim, **Kevin L. Ju**, David Zurakowski, Christopher M. Bono, Mitchel B. Harris. “Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurological Exams or Radicular Deficits.” *The Spine Journal*. Submitted.
11. Amna Diwan, **Kevin L. Ju**, Kaj Lambers, Srinivas Susarla, Mark Vrahas, Malcolm Smith. “Immediate Post-Operative Weight Bearing in Ankle Fractures Does Not Lead to Loss of Position.” *Injury*. Submitted
12. **Kevin L. Ju**, Feifei Zhou, Yanbin Zhao, Fengshan Zhang, Shengfa Pan, John Heller, Yu Sun. “Progressive Bone Formation After Cervical Disc Replacement: Minimum of 5 Year Follow-Up.” *Spine*. Submitted.

Other Publications:

1. **Kevin L. Ju** and Mitchel B. Harris. “Geriatric Spine Fractures.” *American Orthopaedic Association Community of Leaders Newsletter*. In Press.
2. **Kevin L. Ju**. "What's a Slipped Disc?" *Spine-health.com*. 16 Dec. 2016. <http://www.spine-health.com/blog/what-s-slipped-disc>.
3. **Kevin L. Ju**, “Figuring Out the Right Treatment for Your Sciatica Symptoms.” *Spine-health.com*. 3 Jan. 2017. <http://www.spine-health.com/blog/figuring-out-right-treatment-your-sciatica-symptoms>.

4. **Kevin L. Ju**, “How The Boston Marathon Bombings Changed My Life As A Doctor.” MDMonthly.com. 3 Jan. 2017. <http://www.mdmonthly.com/boston-marathon-bombings-changed-life-doctor/>
5. Texas Back Institute. “Dr. Kevin Ju Introduction And ER Call During Boston Bombing.” Spine Talk. Texas Back Institute. 17 Nov. 2016.

PRESENTATIONS

Meetings & Conferences:

1. **Kevin L. Ju**. “Trojan Horse Therapy: Delivery of the BH4 Domain of the Bcl-xL Protein Protects Neurons Against Excitotoxicity”. Poster Presentation at the 2006 Achauer Honors Symposium. June 2006, Stanford, CA.
2. **Kevin L. Ju** and Robert Sapolsky. “Anti-apoptotic therapy with a Tat fusion protein protects against excitotoxic insults in vitro and in vivo.” Poster Presentation at the 37th annual meeting of the Society for Neuroscience. November 2007, San Diego, CA.
3. **Kevin L. Ju**. “The Identification of Coding Variants Associated with Cerebral Aneurysms”. Poster Presentation at the 2008 Soma Weiss Research Day. January 2008, Boston, MA.
4. **Kevin L. Ju**, David Zurakowski, Mininder S. Kocher. “Differentiating Methicillin-Resistant from Methicillin-Sensitive Staphylococcus aureus Osteomyelitis.” Podium Presentation at the American Academy of Orthopaedic Surgeons 2011 Annual Meeting. February 2011, San Diego, CA
5. **Kevin L. Ju**, David Zurakowski, Mininder S. Kocher. “Evidence-based Clinical Prediction Algorithm for Differentiating Between MRSA and MSSA Osteomyelitis in Children.” AWARD Podium Presentation at the Pediatric Orthopaedic Society of North America 2011 Annual Meeting. May 2011, Montreal, Quebec, Canada
6. Anna Diwan, **Kevin L. Ju**, Kaj Lambers, Srinivas M. Susarla, Mark Vrahas, R. Malcolm Smith. “Immediate Post-Operative Weight Bearing in Ankle Fractures Does Not Lead to Loss of Position.” Poster Presentation at the 2012 Challenges in Fracture Care Across Disciplines Meeting. February 2012, Lake Buena Vista, Florida
7. Sang Kim, Rojeh Melikian, **Kevin L. Ju**, Christopher M. Bono, Mitchel B. Harris. “Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses.” Podium Presentation at the 2013 International Society for the Advancement of Spine Surgery Annual Meeting. April 2013, Vancouver, Canada.
8. Sang Kim, Rojeh Melikian, **Kevin L. Ju**, Mitchel B. Harris. “Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses.” Podium Presentation at the 2013 International Society for the Study of the Lumbar Spine Meeting. May 2013, Scottsdale, Arizona.
9. **Kevin L. Ju**, Christopher M. Bono, Rachel Deering, Daffang Zhang, John S. Clapp, Mitchel Harris. “Ensuring Homogenous Study Groups: Is a Power Analysis Enough for Randomized Trials in Spine?” Podium Presentation at the North American Spine Society 2013 Annual Meeting. October 2013, New Orleans, Louisiana.

10. Sang Do Kim, Rojeh Melikian, **Kevin L. Ju**, David Zurakowski, Kirkham B. Wood, Christopher M. Bono, Mitchel B. Harris. "Independent Predictors of Failure of Nonoperative Management of Spinal Epidural Abscesses." Podium Presentation at the North American Spine Society 2013 Annual Meeting. October 2013, New Orleans, Louisiana.
11. **Kevin L. Ju**, Sang Do Kim, Rojeh Melikian, Christopher M. Bono, Mitchel B. Harris. "Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions." Podium Presentation at the 2013 Cervical Spine Research Society Meeting. December 2013, Los Angeles, California.
12. Rojeh Melikian, Sang Do Kim, **Kevin L. Ju**, Christopher M. Bono, Mitchel B. Harris. "Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurology or Radicular Deficit." Podium Presentation at the American Academy of Orthopaedic Surgeons 2014 Annual Meeting. New Orleans, Louisiana.
13. **Kevin L. Ju**, Sang Do Kim, Rojeh Melikian, Christopher M. Bono, Mitchel B. Harris. "Predicting Patients with Concurrent Noncontiguous Spinal Epidural Abscess Lesions." Podium Presentation at the 2014 International Society for the Advancement of Spine Surgery. May 2014, Miami, Florida.
14. Rojeh Melikian, Sang Do Kim, **Kevin L. Ju**, Christopher M. Bono, Mitchel B. Harris. "Medical vs. Surgical Treatment of Spinal Epidural Abscesses in Patients with Normal Neurology or Radicular Deficit." Podium Presentation at the 2014 International Society for the Advancement of Spine Surgery. May 2014, Miami, Florida.
15. Feifei Zhou, **Kevin L. Ju**, Yanbin Zhao, Fengshan Zhang, Shengfa Pan, Yu Sun, John Heller. "Progressive Bone Formation After Cervical Total Disc Replacement: Based on at Least 5-year Follow-up Results." Cervical Spine Research Society-AP. April 2016, Seoul, Korea.
16. Kirkham Wood, Greger Lonne, Tyler Herzog, **Kevin L. Ju**, Lisa Beyer, Christine Park. "Surgery for Refractory Coccygodynia: Operative versus Nonoperative Treatment." North American Spine Society 2016 Annual Meeting. Boston, Massachusetts.

NARRATIVE

- Conversational in Mandarin Chinese
- Hobbies include archery, SCUBA diving (PADI Open Water certified), skiing, sailing, gadgets/technology