

J. PATRICK JOHNSON, M.D., M.S., FACS, FAANS

CURRICULUM VITAE

ADDRESS: Cedars Sinai Spine Center
Department of Neurosurgery
444 S. San Vicente Boulevard Suite 800
Los Angeles, CA 90048
Phone: (310) 423-9792 Fax: (310) 423-9767

Spine Institute Foundation
8306 Wilshire Blvd
Suite 344
Beverly Hills, CA 90211
Phone: (310)402-2442

Email: johnsonjp@cshs.org

www.spine-practice.com; www.cshs.spine.org
www.spineinstitute.org

BIRTHPLACE: Great Falls, Montana

EDUCATION

High School: Great Falls High, 1974
Great Falls, Montana

College: The Citadel, 1978 B.A. Chemistry, Cum Laude
Charleston, South Carolina

Graduate: Oregon Health Sciences University, 1981 M.S.
Department of Anatomy and Neuroendocrinology
Portland, Oregon

Medicine: Oregon Health Sciences University, 1986 M.D.
Portland, Oregon

POSTGRADUATE MEDICAL TRAINING

Surgical Internship: University of California, Los Angeles
1986-1987 Los Angeles, California

Neurosurgical Residency: University of California, Los Angeles
1987-1992 Los Angeles, California

Neurology/Neurosurgical Fellowship National Hospital for Nervous Diseases
1990 Queen Square, London, England

Spinal Surgery Fellowship: University of Tennessee
1993 Memphis, Tennessee

Revised: 17 Feb 2020

ACADEMIC POSITIONS

January 2015 to Present	Co-Director, Cedars Sinai Spine Center Cedars Sinai Medical Center Los Angeles, California
July 2001 to Present	Director, Neurosurgery Spine Fellowship Program Department of Neurosurgery Cedars Sinai Medical Center Los Angeles, California
September 2012 to July 2015	Co-Director, Spine Fellowship Program UC-Davis Spine Center Department of Neurosurgery, University of California-Davis Sacramento, California
September 2011 to August 2018	Clinical Professor Department of Neurosurgery, University of California-Davis Sacramento, California
September 2008 to 2013	Clinical Professor Department of Neurosurgery, University of California-Irvine Irvine, California
January 2007- January 2010	Director Cedars-Sinai Institute for Spinal Disorders Academic, Fellowship and Research Programs, Co-Director Cedars-Sinai Institute for Spinal Disorders Stem Cell Research Lab/Program
February 2001-January 2007	Director Cedars-Sinai Institute for Spinal Disorders Los Angeles, California
March 1999 – February 2001	Associate Professor Division of Neurosurgery, UCLA School of Medicine Los Angeles, California
July 1993 – March 1999	Assistant Professor Department of Neurosurgery, UCLA School of Medicine Los Angeles, California
April 1996 – January 2001	Co-Director, UCLA Center for Autonomic Disorders UCLA Medical Center Los Angeles, California
June 1995 – January 2001	Director, UCLA Spinal Neurosurgery Fellowship Program Division of Neurosurgery, UCLA Medical Center Los Angeles, California
January 1994 – January 2001	Co-Director, UCLA Comprehensive Spine Center UCLA Medical Center Los Angeles, California
July 1992 – July 1997	Chief, Division of Neurosurgery, Olive View-UCLA Medical Center Sylmar, California

July 1992 – July 1993
Clinical Instructor
Department of Neurosurgery, UCLA School of Medicine
Los Angeles, California

MEDICAL STAFF

July 1997 – Present
Attending Neurosurgeon
Cedars Sinai Medical Center
Los Angeles, California

July 2012 – Present
Attending Neurosurgeon
UC Davis Medical Center
Sacramento, California

July 1992 – 2006
Attending Neurosurgeon
UCLA Medical Center
Los Angeles, California

Sept 2008 – 2013
Attending Neurosurgeon
UC Irvine Medical Center
Orange, California

April 1998 - 2001
Attending Neurosurgeon
Santa Monica-UCLA Medical Center
Santa Monica, California

July 1996 – July 2003
Consultant Neurosurgeon
Fort Harrison VA Medical Center
Helena, Montana

July 1992 – January 2001
Attending Neurosurgeon
West Los Angeles VA Medical Center
Los Angeles, California

July 1992 – January 2001
Attending Neurosurgeon
Harbor/UCLA Medical Center
Torrance, California

PROFESSIONAL CONSULTING STAFF

National Football League (NFL) Unaffiliated Neurotrauma Consultant, 2016-present

Justin Professional Rodeo Sports Medicine Neurosurgical Consultant, 2008-present

Professional Rodeo Cowboys Association (PRCA) Physician Consultant, 2007-present

CURRENT RESEARCH ACTIVITIES

1. ALS clinical trial treating mid-stage ALS patients with genetically engineered embryonic stem cells, 2015-present.
2. Stem cell applications spinal reconstruction and spinal cord regeneration, 2005-present
3. Spinal biomechanics for degenerative spine and functional spine reconstruction outcomes, 2005-present.
4. Clinical Outcomes: Complex Spinal Deformity, 2005-present.
5. Minimally invasive and endoscopic spinal surgery outcomes, 1995-present.
6. Spinal deformity techniques and outcomes, 2001-present.
7. Artificial disc replacement, cervical and lumbar outcomes, 2001-present
8. Development of computerized image guided spinal stereotaxic technology, 1996-present.
9. The role of sacral slope in lumbosacral fusion - A Biomechanical Study. 2012-present

CLINICAL INVESTIGATION PROTOCOLS

Lead Surgeon and Co-Investigator: ALS clinical trial injecting genetically engineered embryonic stem cells transplanted into humans. California Institute of Regenerative Medicine (CIRM) and Cedars Sinai Regenerative Medicine Program, Los Angeles, CA, 2015-present

Co-Principal Investigator: Workflow Analysis for Spinal Image Guidance Navigation Workflow and Human Factors Analysis. Medtronic Sofamor-Danek Inc., Memphis, TN, 2014-present

Principal Investigator: Pivotal IDE study of the Bryan Cervical Disc Prosthesis in the Treatment of Degenerative Disc, Medtronic Inc, Memphis, TN, 2002-present.

BMP Clinical Outcomes: Evaluation of recombinant bone morphogenetic Protein (BMP) in the aging spine. Medtronic Sofamor-Danek Inc, Memphis, TN, 2005-present

PAST CLINICAL AND RESEARCH INVESTIGATIONS

Principal Investigator: Motor Neuron Stem Cell transplantation in Spinal Muscular Atrophy (SMA) model. UC-Irvine, Orange, CA, Reeve-Irvine Research Center, Irvine, CA, 2008-2013

Principal Investigator: Osteo-Cell (Stem Cell) Intervertebral Fusion Spinal Fusion Outcome protocol. Nuvasive Inc. San Diego, CA, 2009-2012

Co-Principal Investigator: Nubac Lumbar Nucleus Replacement; Pioneer Medical Inc., Marquette, MI, 2009 -2011

Principal Investigator: Lumbar Total Segmental Vertebral Replacement, Flexuspine Inc., Tyler, and TX 2008-2012

Principal Investigator: Staxx Fracture and Interbody Vertebral Reconstruction in the Treatment of Vertebral Compression Fractures and Instability. Spinewave Inc., Shelton, CT, 2004-2011

Principal Investigator: Pivotal IDE study of the SBIII Charité Lumbar Disc Prosthesis, Johnson and Johnson, Raynham, MA, 2001-2005.

Principal Inventor and Investigator: Polyaxial cervical plating system, Depuy-Motech Inc. Raynham, MA 1996-2002.

Principal Investigator: 3-D computerized image guided spinal surgery, CBYON Inc. Palo Alto, CA 2001-2004.

Principal Investigator: Development of frameless spinal stereotaxy, Radionics Inc. Burlington, MA 1995-2000.

Principal Investigator: Development of human bone morphogenetic protein in spinal fusion. UCLA IRB with Dr. Marshall Urist, 1998-2001.

Principal Investigator: Bone morphogenetic protein (BMP) in lumbar fusion, Sulzer Medica Inc. Austin, TX 1997 – 1999.

Principal Investigator: Pre-emptive analgesia for lumbar spinal surgery, Olive View-UCLA Educational Research Institute, Sylmar, CA 1996-97.

Principal Investigator: Outpatient lumbar microdiscectomy outcome study, UCLA Medical Center 1996-1999.

Principal Investigator: Prospective analysis of vertebral body replacement: techniques and procedures, UCLA Medical Center 1995-2002.

Principal Investigator: Cerebral blood flow in craniocerebral gunshot wounds, Harbor/UCLA Medical Center, 1990-1991.

Principal Investigator: Methods of cerebral blood flow in clinical neurosurgery, UCLA Medical Center, 1989-1990.

Investigator: In vitro fertilization and cell cultures, Oregon Health Sciences University, 1980-1982.

Investigator: Experimental gastrointestinal carcinogenesis, Oregon Health Sciences University, 1979-1980.

HONORS

Dean's List, The Citadel, Charleston, South Carolina, 1974-78

Who's Who in American Colleges and Universities, 1978

Bachelor of Arts, Cum Laude, The Citadel, Charleston, South Carolina, 1978

NIH Pre-doctoral Fellowship, Oregon Health Sciences University, Portland, Oregon, 1978-1981

Tartar Fellowship, Oregon Health Sciences University, Portland, Oregon, 1981

Visiting Scientist, University of Washington, Endocrine/Reproductive Laboratory, Seattle, Washington, March 1983.

Visiting Scientist, Pennsylvania Hospital, Reproductive and Fertility Laboratory, Philadelphia, Pennsylvania, June-August 1983

UCLA Outstanding Physician of the Year, 1996

Honorary Member Korean Neurosurgical Society, 1997

Honorary Member Peruvian Neurosurgical Society, 1997

Cedars-Sinai Institute for Spinal Disorders Fellowship Outstanding Teaching Award, 2004, 2006, 2008

Cedars Sinai Attending Staff Basketball Player MVP 2005, 2007, 2009

Cedars-Sinai Department of Neurosurgery, "Golden Apple Award" for Outstanding Teaching Award, 2010

The Citadel, Academy of Sciences and Mathematics Life Achievement Award, 2016

The Citadel, "Distinguished List of Alumni" 2016

Who's Who in Medicine and Healthcare, 1997- 2016

Southern California "Super Doctors" in Neurosurgery, 2007-2020

Castle Connolly "Top Doctors" in the USA 2009-2020

US News and World Reports "Best Doctors" 2009-2020

Member, Cedars-Sinai Board of Governors, 2007-present

PROFESSIONAL MEMBERSHIPS

American Association of Neurological Surgeons
AANS/CNS Joint Spine Section - Executive Committee
American College of Surgeons
American Association for the Advancement of Science
American Association of Spine Physicians
California Association of Neurological Surgeons – Director and Board Member
Congress of Neurological Surgeons
Justin Professional Rodeo Cowboys Association Neurosurgical Consultant
Los Angeles County Medical Association
Los Angeles Surgical Society
Montana Medical Association
Neurosurgical Society of America
North American Spine Society
One Spine – Board Member
Professional Rodeo Cowboys Association
Professional Bull Riders
Rocky Mountain Neurosurgical Society
Scoliosis Research Society
Western Neurosurgical Society

PROFESSIONAL ORGANIZATION BOARD MEMBER

Member, Cedars-Sinai Board of Governors, 2007-present
Spine Institute Foundation, President and CEO, Los Angeles, CA 2008-present
Executive Committee, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 2006-present
Director, California Association of Neurological Surgeons, 2005-present
Foundation for International Education in Neurosurgery (FIENS), 1998-present
ONE (Orthopedic + Neurosurgery = Spine) Spine, 2003-present
Senior Advisory Council, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, 2008-present

FRATERNAL ORGANIZATIONS

Rancheros Vistadores
Phi Beta Cowboys

LICENSURE and BOARD CERTIFICATION

American Board of Neurological Surgery, Board Certification Examination #98025 date 05/1998
Fellow, American College of Surgeons 1998
American Board of Neurological Surgery, Primary Examination 1991
Diplomat, National Board of Medical Examiners 1987
California medical license #G 61860 exp 4/30/2017
Montana medical license # 10347 exp 2018
DEA #BJ 1286221 exp 12/31/2016
Fluoroscopy license RHC 147405 exp 12/31/2016
Radiology license RHC 149840 exp 12/31/2016
Basic Cardiac Life Support exp 9/30/2016
Advanced Cardiac Life Support exp 9/30/2016

TEACHING EXPERIENCE

Undergraduate Teaching Assistant: General Chemistry Laboratory, Department of Chemistry, The Citadel Charleston, South Carolina, 1976-1978

Graduate Teaching Assistant: Gross Anatomy, Neuroanatomy, Histology, Department of Anatomy Oregon Health Sciences University, Portland, Oregon, 1979-1981.

Instructor: Gross Anatomy, Neuroanatomy, Histology; Oregon Health Sciences University, Portland, Oregon, 1982-1983.

Instructor: Stanley Kaplan Educational Services; MCAT Review Instructor, Portland, Oregon, 1980-1982.

Clinical Instruction: Residents, Interns, Medical Students and Neurosurgical Nursing Staff, Department of Surgery, UCLA Medical Center, Los Angeles, California, 1986 to 2001.

Lecturer: Neurosurgical Clinical Clerkship Series for Third Year Medical Students, UCLA Medical Center, Los Angeles, California, 1992 to 2001.

Director: UCLA Spinal Neurosurgical Fellowship Program, Division of Neurosurgery, UCLA Medical Center, Los Angeles, California, 1995 to 2001.

Director: Cedars-Sinai Institute for Spinal Disorders Fellowship Program, Cedars-Sinai Medical Center Los Angeles, California, 2001-2010.

Director: Cedars-Sinai Institute for Spinal Disorders, Neurosurgery Residency Program, Cedars-Sinai Medical Center, Los Angeles, California, 2005-present.

Director: Spine Institute Foundation Fellowship Program (Locations: Cedars Sinai Medical Center, Los Angeles, CA, UC-Davis Medical Center, Sacramento, CA, UC-Irvine Medical Center, Orange, CA), 2009-present.

Co-Director: Neurosurgery Spine Fellowship Program, Department of Neurosurgery, UC-Davis Medical Center, Cedars-Sinai Medical Center, Sacramento, California, 2013-present.

Director: Neurosurgery Spine Fellowship Program, Department of Neurosurgery, Cedars-Sinai Medical Center, Los Angeles, California, 2013-present.

ACADEMIC/ADMINISTRATIVE COMMITTEES

Operating Room Committee, Olive View-UCLA Medical Center, 1993-1997

Faculty Executive Committee, Department of Surgery, Olive View-UCLA Medical Center, 1993-97

Faculty Compensation Committee, Department of Surgery, UCLA Medical Center, 1994-96

Telemedicine Steering Committee, UCLA Medical Center, 1995-97

Hospital Infection Control Committee, UCLA Medical Center, 1997-99

UCLA Hospital Planning Committee, 1997-98

Trauma Committee, (Consultant for Development of Acute Spinal Injury Protocols), UCLA Medical Center, 1995-2001

Instructional Course Committee, North American Spine Society, 1999-present

Value Analysis Committee, UCLA Medical Center, 2000-2001

Continuing Medical Education (CME) Committee, North American Spine Society, 2000-2003

Santa Monica-UCLA Risk Management Committee, 2000-2001

Department of Surgery-Performance Improvement Committee, Cedars Sinai Medical Center, 2002-present

Board of Directors, California Association of Neurological Surgeons, 2005-2010 (term ends)

Executive Committee, Joint Spine Section CNS/AANS 2007- present

Member, Database Committee, Scoliosis Research Society, 2005-present

Dept of Neurosurgery-Performance Improvement Committee, Cedars Sinai Medical Center, 2006-present

Neurosurgical Society of America, Program Committee, 2006-present

Cedars- Sinai Institute for Spinal Disorders Fellowship Task Force

Cedars- Sinai Medical Center Department of Surgery: Performance Improvement Committee 2001 to present

Cedars- Sinai Medical Center Program Implementation Oversight Committee 2007 to present

Senior Advisory Council, Executive Committee, AANS/CNS Spine Section, 2008-present

EDITORIAL REVIEW BOARDS

Editorial Board Member, World Journal of Surgery, 1996-present

Editorial Board Member, Neurosurgery, 2010-present

Editorial Board Member, *Surgical Neurology*, 2005-present

Topic Editorial Member, *Neurosurgical Focus* (Journal of Neurosurgery), 2000-present

Editorial Board Member, *The Spine Journal* (Journal of the North American Spine Society), 2000-present

Co-Editor, *Neurosurgical Focus*, "Spinal Deformity", Jan 2003

Co-Editor, *Neurosurgical Focus*, "Image Guided Spinal Surgery and Robotic Spinal Surgery", Jan 2013

Editorial Board Member, Journal of Critical Spine Cases, 2009-2015

PUBLICATIONS

1. Hirschel MD, **Johnson JP**, Alexander NJ: In vitro capacitation methods used in the hamster egg test. *Fertility and Sterility* 41(1): 202-209, 1984.
2. **Johnson JP**, Alexander NJ: Hamster egg penetration: comparison of preincubation periods. *Fertility and Sterility* 41(4): 599-609, 1984.
3. **Johnson JP**, King WA, Andrews JC, Becker DP, Canalis R: Preserving hearing in acoustic neuroma removal. *Western Journal of Medicine* 159(1): 72-73, 1993.
4. **Johnson JP**, and Becker DP: A continuous microneurosurgical irrigation and suction system. *Neurosurgery* 39(3): 409-411, 1996.
5. **Johnson JP**: Anterior cervical foraminotomy approach. *Journal of Neurosurgery* 85(3): 525-526, 1996.
6. Mathisen G and **Johnson JP**. Current concepts in brain abscess management. *Clinical Infectious Diseases*, 1997;25: pp 763-781.
7. Medin PM, Solberg TD, DeSalles AAF, Selch MT, **Johnson JP**, Smathers JB, Cosman ER: A minimally invasive method for fractionated spinal radiosurgery. *Medical Physics* 24(6): 972, 1997.
8. Filler AG, Lufkin RB, Villablanca JP, Farahani K, Prager J, **Johnson JP**. MR Neurography and interventional MRI in diagnosis and treatment of sciatic from piriformis syndrome. *European Radiology* 7:1159-1160, 1997.
9. **Johnson JP**, Ahn SS: Thoracoscopic sympathectomy. *Techniques in Neurosurgery* 3(4): 308-314, 1997.
10. **Johnson JP**, Masciopinto JE: Cervical Disc Herniation. **N Engl J Med**. Sep 17;339(12):852-853, 1998
11. Batzdorf U, Klekamp J, **Johnson JP**: A critical appraisal of syrinx cavity shunting procedures. *J Neurosurg* 89(3): 382-388, 1998.
12. **Johnson JP**, Lane JM: Traumatic lumbar pseudomeningocele occurring with spina bifida occulta: a case report. *Journal of Spinal Disorders* 11(1): 80-83, 1998.
13. **Johnson JP**, Ahn SS, Choi WW, Masciopinto JE, Kim KD, Filler AG, DeSalles AAF: Thoracoscopic sympathectomy: techniques and outcomes. *Neurosurgical Focus* 4(2): Article 4, 1998.
14. **Johnson JP**, Paré LS, Torres RA: Thoracolumbar body replacement: materials and techniques. *Contemporary Neurosurgery* 20(6): 1-9, March 1998.
15. Batzdorf U, Klekamp J, **Johnson JP**: A critical appraisal of syrinx cavity shunting procedures. *Journal of Neurosurgery* 89(3): 382-388, September 1998.
16. **Johnson JP**: Clinical Crossroads: a 45-year-old man with low back pain. **JAMA**. 1999 Mar 10;281(10):895. PMID: 10078479
17. Kim KD, **Johnson JP**, Masciopinto JE, Bloch O, Saracen MJ, Villablanca JP: Universal calibration of surgical instruments for spinal stereotaxy. *Neurosurgery* 44(1): 173-178, January 1999.

18. Kim KD, **Johnson JP**, Bloch O, Masciopinto JE, Saracen MJ, Villablanca JP: New software applications for interchangeable instrumentation in spinal stereotaxis. *Stud Health Technol Inform* (62): 179-180, 1999.
19. Fineman I, **Johnson JP**, Sandhu H: Renal failure and brown tumors in the spine. *Journal of Neurosurgery: Spine* 90(4): 242-246, April 1999.
20. **Johnson JP**, Obasi C, Hahn MS, Glatleider P: Endoscopic thoracic sympathectomy. *Neurosurgical Focus* 6(5) Article 2, May 1999.
21. **Johnson JP**, Obasi C, Hahn MS, Glatleider P: Endoscopic sympathectomy. *Journal of Neurosurgery: Spine* 91:90-97, 1999.
22. Kim KD, **Johnson JP**, Masciopinto JE: Management of spinal epidural abscess and subdural empyema. *Techniques in Neurosurgery* 5(4): 293-302, December 1999.
23. Takacs II, Hamilton AJ, Lulu B, Fosmire H, **Johnson JP**, Stea B, Saporato S: Frame-based Stereotactic Spinal Radiosurgery: Experience from the first 19 patients treated. *Stereotact Funct Neurosurg* 73(1-4): 69, 1999.
24. Holly LT, **Johnson JP**, Masciopinto JE, Batzdorf U: Treatment of posttraumatic syringomyelia with extradural decompressive surgery. *Neurosurg Focus* 8(3): Article 8, 1-6, March 2000.
25. **Johnson JP**, Filler AG, McBride DQ, Batzdorf U: Anterior cervical foraminotomy for unilateral radicular disease. *Spine* 25 (8): 905-909, April 2000.
26. **Johnson JP**, Filler AG, McBride DQ: Endoscopic thoracic discectomy. *Neurosurgical Focus* 9 (4): Article 11, October 2000.
27. Park J, **Johnson JP**: Thoracolumbar reconstruction for metastatic spine tumors. *Neurosurgery* 47(2): 530-532, 2000
28. Masciopinto JE, **Johnson JP**, Kim KD: Interbody fusion devices in infections. *Techniques in Neurosurgery* 7(2): 162-168, 2001.
29. Kim KD, **Johnson JP**, Bloch O, Masciopinto JE: Computer-assisted thoracic pedicle screw placement: an in vitro feasibility study. *Spine* 26(4): 360-364, Feb 15 2001.
30. Bloch O, Holly LT, **Johnson JP**: Accuracy of image guided placement of C1-2 transarticular screws. *Journal of Neurosurgery: Spine* 95:74-79, July 2001.
31. Holly LT, Bloch O, Obasi C, **Johnson, JP**: Anterior image guided spinal registration: a comparative accuracy study. *Journal of Neurosurgery: Spine* 95:196-201, October 2001.
32. Patel NP, Choi WW, Wright NM, McBride DQ, **Johnson JP**: Forestier's Disease Associated with a Retro-odontoid mass causing cervicomedullary compression. *Skull Base* 11(Supplement 1): 2001.
33. Oskouian RJ, **Johnson JP**: Vascular complications in anterior thoracolumbar spinal reconstruction. *Journal of Neurosurgery: Spine* 96:1-5, January 2002.
34. Stokes JK, Villavicencio AT, Liu PC, Bray RS, **Johnson JP**: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. *Neurosurgical Focus* 12(1): Article 6, January 2002.
35. Oskouian RJ, **Johnson JP**, Regan JR: Thoracoscopic Microdiscectomy. *Neurosurgery* 50(1): 103-109, Jan 2002.

36. Patel NP, Choi WW, Wright NM, McBride DQ, **Johnson JP**: Forestier's disease associated with a retro-odontoid mass causing cervicomedullary compression. *Journal of Neurosurgery (Spine 2)* 96:188-194, 2002.
37. Alsina GA, **Johnson JP**, McBride DQ, Rhoten PRL, Mehringer CM, Stokes JK: Spinal cysticercosis. *Neurosurgical Focus* 12(6): Article 8, 2002.
38. Citow JS, **Johnson JP**, McBride DQ, and Ammirati M: Intraventricular neurocysticercosis: magnetic resonance imaging and surgical outcomes in 30 patients. *Neurosurgical Focus* 12(6): Article 6, 2002.
39. Medin PM, Solberg TD, DeSalles AAF, Cagnon CH, Selch MT, **Johnson JP**, Smathers JB and Cosman ER: Investigations of a minimally invasive method for treatment of spinal malignancies with linac stereotactic radiation therapy: accuracy and animal studies. *International Journal of Radiology Oncology Biological Physics* 52(4): 1111-1122, March 2002.
40. **Johnson JP**, Patel NP: Uniportal and biportal endoscopic thoracic sympathectomy. *Neurosurgery* 51(5 suppl): 79-83, Nov 2002.
41. Geisler FH, Blumenthal SL, Guyer RD, McAfee PC, Regan JJ, **Johnson JP**, Mullin B: Neurological complications of lumbar artificial disc replacement and comparison of clinical results with those related to lumbar arthrodesis in the literature: results of a multicenter, prospective, randomized Investigational Device Exemption (IDE) study of the Charite intervertebral disc. *Journal of Neurosurgery (Spine 2)* 1: 143,154, 2004.
42. Oskouian RJ, Whitehill R, Samii A, Shaffrey ME, **Johnson JP**, Shaffrey CI: The future of spinal arthroplasty: a biomaterial perspective. *Neurosurg Focus* 17(3): E2, 2004.
43. **Johnson JP**, Laurysen C, Cambron HO, Pashman RS, Regan JJ, Anand N, Bray RS: Sagittal alignment and the Bryan Cervical Artificial Disc. *Neurosurg Focus* 17(6): E14, 2004.
44. Blumenthal SL, McAfee PC, Geisler FH, Banco RJ, Bitan F, Brown C, Cappucino A, Fedder IL, Gaines RW Jr, Garcia R Jr, Guyer RD, Hochschuler SH, Holt RT, Isaza JE, Jenis LG, **Johnson JP**, Majd ME, Maxwell JH, McNamara M, Mullin BB, Regan JJ, Stadlan N, Troman- hauser SG, Tortolani PJ, Wong DC, Laich DT: Response to the editorial and points of view regarding the IDE study of the CHARITE™ artificial disc. *Spine* 30: Linked via *Article Plus* to Zindrick et al. E388–E390, 2005.
45. Filler AG, Haynes J, Jordan SE, Prager J, Villablanca JP, Farahani K, McBride DQ, Tsuruda JS, Morisoli B, Batzdorf U, **Johnson JP**: Sciatica of non-disk origin and piriformis syndrome: diagnosis by MR neurography and interventional MRI with outcome study of resulting treatment. *Journal of Neurosurgery: Spine* 2(2): 99-115, Feb 2005.
46. **Johnson JP**, Pashman RS, Laurysen C, Anand N, Regan JJ, Bray RS: The changing role for neurosurgeons and the treatment spinal deformity. *J Neurosurg Spine* 2(3): 233-242, March 2005.
47. Oskouian RJ, **Johnson JP**: Endoscopic thoracic microdiscectomy. *Neurosurg Focus* 18(3): E11, 1-8, March 2005.
48. Villavicencio AT, Oskouian R, Roberson FC, Stokes JK, Park J and **Johnson JP**: Thoracolumbar vertebral reconstruction of metastatic spinal tumors: long-term outcomes. *Neurosurg Focus* 19(3): E8, September 2005.
49. Villavicencio AT, Burneikiene S, **Johnson JP**: Spinal artificial disc replacement: lumbar arthroplasty. Part I. *Contemporary Neurosurgery* 27(19): September 30, 2005.

50. Villavicencio AT, Burneikiene S, **Johnson JP**: Spinal artificial disc replacement: lumbar arthroplasty. Part II. *Contemporary Neurosurgery* 27(19): September 30, 2005.
51. **Johnson JP**, Stokes JK, Oskouian RJ, Choi WW, King W: Image-guided thoracoscopic spinal surgery: a merging of two technologies. *Spine* 30(19): E572-E578, October 2005.
52. Holly LT, Bloch O, **Johnson JP**: Evaluation of registration techniques for spinal image guidance. *J Neurosurg: Spine* 4(4) 323-8, Apr 2006.
53. Wagner W, Regan JJ, Leary SP, Lanman TH, **Johnson JP**, Rao RK, Cossman D: Access strategies for revision or explanation of the Charité lumbar artificial disc replacement. *Journal of Vascular Surgery*, Dec; 44(6): 1266-72, 2006.
54. Baron E, Siddique K, Perri B, Anand N, **Johnson JP**. "Anterior Transoral Resection". **Operative Techniques in Orthopedics**, (Eds. Freddie H. Fu, MD), Vol. 17(3) July 2007, pp.156-162.
55. Gurian JH, Gobin YP, **Johnson JP** and Vinuela F: Balloon test occlusion of large radiculomedullary arteries prior to resection of vertebral tumors. Submitted to *Journal of Neurosurgery*.
56. Perri BR, Oyelese A, Bray RS, **Johnson JP**. "Classification of cervical kyphotic deformities: strategies and techniques for reconstruction surgery," (submitted for publication).
57. Villavicencio AT, Burneikene S, Pashman RS, **Johnson, JP**,: Spinal Artificial Disc Replacement: Cervical Arthroplasty; Part I: History, Design, and Types of Artificial Discs. *Contemporary Neurosurgery* 29(12); June 15, 2007.
58. Villavicencio AT, Burneikene S, Pashman RS, **Johnson, JP**,: Spinal Artificial Disc Replacement: Cervical Arthroplasty; Part II: History, Design, and Types of Artificial Discs. *Contemporary Neurosurgery* 29(12); June 15, 2007
59. Meyer SC, Swartz K, **Johnson JP**: Quadriplegia and Spinal Cord Stimulation: Case Report. *Spine* 32(19): E565-8, 1 Sept 2007
60. Heller JG, Sasso RC, Papadopoulos SM, Anderson PA, Fessler RG, Hacker RJ, Coric D, Cauthen JC, Riew DK (**Johnson JP**-contributing IDE Clinical Investigator): Comparison of BRYAN Cervical Disc Arthroplasty With Anterior Cervical Decompression and Fusion: Clinical and Radiographic Results of a Randomized, Controlled Clinical Trial. *SPINE* 34(2):101–107, 2008
61. Patel N, Wolcott P, **Johnson JP**, Cambron HO, Lewin M, McBride DQ, Batzdorf U: "Esophageal Injury Associated with Anterior Cervical Spine Surgery". *Surg Neurol*. Jan;69(1):20-4, 2008.
62. Mundwiler ML, Siddique K, Dym JM, Perri B, **Johnson JP**, Weisman MH. Complications of the spine in ankylosing spondylitis with a focus on deformity correction. *Neurosurg Focus* 24 (1): E6, 2008.
63. Ghostine S, Perry E, Vaynman S, Raghavan R, Tong KA, Samudrala S, **Johnson JP**, Colohan ART: The Rare Case of an Intramedullary Cervical Spinal Cord Teratoma in an Elderly Adult: Case Report and Literature Review. *Spine*, 15;34(26):E973-8, 2009.
64. Samudrala S, Vaynman S, Thiayananthan T, Ghostine S, Bergey DL, Pashman RS, **Johnson JP**:. Pedicle Subtraction Osteotomy for Kyphosis of the Cervicothoracic Junction: A New Approach, *Journal of Neurosurgery-Spine*, 13(6): p695-706 December 2010.
65. Sasso RC, MD, Anderson PA, Riew DK, Heller JG (**Johnson JP**-contributing IDE Clinical Investigator): Results of Cervical Arthroplasty Compared with Anterior Discectomy and Fusion:

- Four-Year Clinical Outcomes in a Prospective, Randomized Controlled Trial. *J Bone Joint Surg*;93:1684-92, 2011
66. Drazin D, Shirzadi S, Jeswani S, Ching H, Rosner J, Rasouli A, Kim TT, Pashman RS, **Johnson JP**: Direct surgical repair of lumbar spondylolysis in athletes: indications, techniques, and outcomes. *Neurosurg Focus* 31 (5):E9, November 2011.
 67. Jeswani S, Drazin D, Shirzadi A, Fan X, **Johnson JP**. Endometriosis in the Lumbar Plexus Mimicking a Nerve Sheath Tumor. *World Journal of Oncology*, Vol. 2, No. 6, p314-318, Dec 2011.
 68. Ghostine S, Vaynman S, Schoeb JS, Cambron HO, King WA, Samudrala S, **Johnson JP**. Image-guided thoracoscopic resection of thoracic dumbbell nerve sheath tumors. *Neurosurgery* 70(2):461-468, February 2012.
 69. Vaynman S, Ghostine S, Freudenberger C, Samudrala S, **Johnson JP**. Diffuse idiopathic skeletal hyperostosis with Ossification of the Posterior Longitudinal Ligament in the presence of an underlying metabolic syndrome: Case Report and Review of the Literature. Submitted to *The Spine Journal* **Accepted with revisions**.
 70. Shirzadi A, Drazin D, Gates M, Shirzadi N, Bannykh S, Xuemo F, Hunt L, Baron EM, King WA, Kim TT, **Johnson JP**: Surgical Management of Primary Spinal Hemangiopericytomas: An institutional case series and review of the literature. *Eur Spine J*. Accepted Dec 10, 2012.
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58. Obasi CN, **Johnson JP**, Filler AF, Park J: Failure of screw-plate fixation in patients with osteoporosis and 3-column instability. Spine+Science+Management, New Orleans, LA, November 1999.
59. Park J, Holly LT, Obasi CN, **Johnson JP**: Evaluation of open door expansile laminoplasty using titanium miniplates for treatment of cervical spine stenosis. Spine+Science+Management, New Orleans, LA, November 1999.
60. Holly LT, **Johnson JP**, Masciopinto JE, Batzdorf U: Treatment of post-traumatic syringomyelia with extradural decompressive surgery. Spine+Science+Management, New Orleans, LA, November 1999.

61. Park J, Holly LT, Obasi CN, **Johnson JP**: Evaluation of open door expansile laminoplasty using titanium miniplates for treatment of cervical spine stenosis. Joint Section on Disorders of the Spine and Peripheral Nerves, Palm Springs, CA, February 2000.
62. **Johnson JP**, Obasi CN, Park J, Hahn MS, Glatleider P: Endoscopic thoracic sympathectomy. Joint Section on Disorders of the Spine and Peripheral Nerves, Palm Springs, CA, February 2000.
63. Park J, Obasi CN, Hahn MS, **Johnson JP**: Transthoracic video-assisted endoscopic discectomy. Joint Section on Disorders of the Spine and Peripheral Nerves, Palm Springs, CA, February 2000.
64. Park J, Obasi CN, Hahn MS, **Johnson JP**: Transthoracic video-assisted endoscopic discectomy. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
65. **Johnson JP**, Obasi CN, Park J, Hahn MS, Glatleider P: Endoscopic thoracic sympathectomy. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
66. **Johnson JP**, Hahn MS, Obasi CN, Park J, Masciopinto JE, McBride DQ, Batzdorf U: Anterior cervical foraminotomy for unilateral radiculopathy. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
67. **Johnson JP**, Bloch O, Obasi CN, Holly LT, Park J, Kim KD, Villablanca JP: Image guidance and improved accuracy of C1-2 transarticular screw placement. Congress of Neurological Surgeons, San Antonio, TX, September 2000.
68. Park J, **Johnson JP**: Evaluation of open-door expansile laminoplasty for treatment of cervical stenosis. Congress of Neurological Surgeons, San Antonio, TX, September 2000.
69. Holly LT, **Johnson JP**, Masciopinto JE, Batzdorf U: Treatment of post-traumatic syringomyelia with extradural decompressive surgery. Congress of Neurological Surgeons, San Antonio, TX, September 2000.
70. **Johnson JP**, Obasi CN, Park J, Hahn MS, Kim KD, Masciopinto JE: Image guided thoracic pedicle screw placement: early clinical experience. Congress of Neurological Surgeons, San Antonio, TX, September 2000.
71. Obasi CN, **Johnson JP**, Filler AG, Park J: Failure of screw-plate fixation in patients with osteoporosis and 3-column instability. Congress of Neurological Surgeons, San Antonio, TX, September 2000.
72. **Johnson JP**, Filler AG, McBride DQ: Thoracoscopic discectomy: comparative outcomes. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, February 2001.
73. Patel NP, Wright NM, **Johnson JP**: MRI and the management of unstable Hangman's Fractures. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, February 2001.
74. Patel NP, **Johnson JP**, Choi WW, Wright NM, Verity MA: Forestier's Disease associated with a retro-odontoid mass causing cervicomedullary compression. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, February 2001.
75. Bloch O, Rogers CD, **Johnson JP**: Evaluation of registration techniques for spinal frameless stereotaxy. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, February 2001.

76. Obukhov SK, Nieto JH, **Johnson JP**: Anatomy of odontoid resection using an extreme lateral approach. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, February 2001.
77. Patel NP, **Johnson JP**: MR imaging and the management of unstable Hangman's Fractures. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
78. **Johnson JP**, Obasi CN, Park J, Hahn MS, Kim KD, Masciopinto JE: Image-guided thoracic pedicle screw placement: early clinical experience. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
79. Bloch O, Holly LT, Rogers CD, **Johnson JP**: Evaluation of registration techniques for spinal frameless stereotaxy. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
80. Kim DH, Kam AC, Altaf U, Park J, **Johnson JP**: Anterior cervical fusion with the PEAK polyaxial anterior cervical plate system in 163. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
81. Park J, **Johnson JP**: Evaluation of expansile laminoplasties for treatment of cervical spine stenosis. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
82. Kim KD, Babbitz JD, **Johnson JP**, Bloch O, Masciopinto JE: Image-guided thoracic pedicle screw insertion: a cadaveric feasibility study. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
83. Holly LT, **Johnson JP**, Masciopinto JE, Batzdorf U: Treatment of posttraumatic syringomyelia with extradural decompressive surgery. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
84. Holly LT, Bloch O, Obasi CN, **Johnson JP**: Frameless stereotaxy for anterior spinal procedures. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
85. Holly LT, Bloch O, Kim KD, Obasi CN, **Johnson JP**: Image guided cervical pedicle screw placement. American Association of Neurological Surgeons, Toronto, Ontario, April 2001.
86. Holly LT, **Johnson JP**, Masciopinto JE, Batzdorf U: Treatment of posttraumatic syringomyelia with extradural decompressive surgery. World Congress of Neurosurgery, Sydney, Australia, September 2001.
87. **Johnson JP**, Kim KD, Babbitz J, Patel NP, Wright NM, Obasi CN, Park J: Image-guided thoracic pedicle screw placement: early clinical experience. World Congress of Neurosurgery, Sydney, Australia, September 2001.
88. Patel NP, Wright NM, Virella AA, **Johnson JP**: MRI characteristics and the management of unstable Hangman's Fractures. Congress of Neurological Surgeons, San Diego, CA, September-October 2001.
89. Patel NP, **Johnson JP**, Choi WW, Wright NM: Forestier's Disease associated with a retro-odontoid mass causing cervicomedullary compression. Congress of Neurological Surgeons, San Diego, CA, September-October 2001.
90. **Johnson JP**, Kim KD, Babbitz J, Patel NP, Wright NM, Obasi CN, Park J: Image-guided thoracic pedicle screw placement: early clinical experience. Congress of Neurological Surgeons, San Diego, CA, September-October 2001.

91. Lim JY, Wright NM, Patel NP, Obasi CN, **Johnson JP**: Failure of lateral mass plate fixation in patients with 3-column instability. Congress of Neurological Surgeons, San Diego, CA, September-October 2001.
92. **Johnson JP**, Filler AG, McBride DQ, Patel NP, Wright NM: Endoscopic thoracic discectomy. Congress of Neurological Surgeons, San Diego, CA, September-October 2001.
93. **Johnson JP**, Kim KD, Babbitz J, Patel NP, Wright NM, Obasi CN, Park J: Image-guided thoracic pedicle screw placement: early clinical experience. World Federation of Neurosurgical Society, Sydney, Australia, September 2001.
94. **Johnson JP**, Kim KD, Babbitz J, Patel NP, Wright NM, Obasi CN, Park J: Image-guided thoracic pedicle screw placement: early clinical experience. Joint Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, Feb 2002.
95. **Johnson JP**, Shahidi R, Saracen M: Image guided thoracoscopic spinal surgery. American Association of Neurological Surgeons, Chicago, IL, April 2002.
96. McBride DQ, Patel NP, **Johnson JP**, Lanman TH: Chronic cervical spine pain associated with intradiscal screws. American Association of Neurological Surgeons, Chicago, IL, April 2002.
97. Lim JY, Obasi CN, **Johnson JP**: Failure of lateral mass plate fixation in patients with 3-column instability. American Association of Neurological Surgeons, Chicago, IL, April 2002.
98. Patel NP, **Johnson JP**, Choi WW, Wright NM: Forestier's disease associated with a retro-odontoid mass causing cervicomedullary compression. American Association of Neurological Surgeons, Chicago, IL, April 2002.
99. **Johnson JP**, Kim KD, Babbitz J, Pashman R, Patel NP, Wright NM, Obasi CN, Park J: Image guided thoracic screw placement. American Association of Neurological Surgeons, Chicago, IL, April 2002.
100. **Johnson JP**, Stokes JK, Regan JJ: Thoracic endoscopic spinal surgery. Congress of Neurological Surgeons, Philadelphia, PA, September 2002.
101. Patel NPP, **Johnson JP**, Lewin M, McBride DQ, Batzdorf U: Esophageal injury associated with anterior cervical spine surgery. Congress of Neurological Surgeons, Philadelphia, PA, September 2002.
102. Stokes JK, Villavicencio AT, Liu PC, **Johnson JP**: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. Congress of Neurological Surgeons, Philadelphia, PA, September 2002.
103. Patel NPP, **Johnson JP**, Lewin M, McBride DQ, Batzdorf U: Esophageal injury associated with anterior cervical spine surgery. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Tampa, FL, March 2003.
104. Patel NPP, Wright NM, **Johnson JP**: 3D image thoracic spinal tumor resection and reconstruction. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Tampa, FL, March 2003.
105. **Johnson JP**, Oskouian R, Patel NP, Stokes JK: Surgical management of thoracic disc herniations: a prospective nonrandomized clinical study. American Association of Neurological Surgeons, San Diego, CA, April 2003.
106. **Johnson JP**, Regan JJ, Stokes JK: Image guided endoscopic thoracic spinal surgery. Congress of Neurological Surgeons, Denver, CO, October 2003.

107. **Johnson JP**, Lauryssen C: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. Congress of Neurological Surgeons, Denver, CO, October 2003.
108. **Johnson JP**, Bergey D, Pashman RS: Pedicle subtraction osteotomy for cervical-thoracic kyphosis. Congress of Neurological Surgeons, Denver, CO, October 2003.
109. **Johnson JP**, Pashman RS, Regan JJ, Anand N, Rogers CD: Management of upper thoracic and cervical-thoracic junction kyphotic deformities. Congress of Neurological Surgeons, Denver, CO, October 2003.
110. **Johnson JP**, Lauryssen C: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. North American Spine Society, San Diego, CA, October 2003.
111. **Johnson JP**, Lauryssen C: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. Joint Section on Disorders of the Spine and Peripheral Nerves, San Diego, CA, March 2004.
112. **Johnson JP**, Regan JJ, Stokes JK: Image guided endoscopic thoracic spinal surgery. Joint Section on Disorders of the Spine and Peripheral Nerves, San Diego, CA, March 2004.
113. **Johnson JP**, Bergey D, Pashman RS: Pedicle subtraction osteotomy for cervical-thoracic kyphosis. Joint Section on Disorders of the Spine and Peripheral Nerves, San Diego, CA, March 2004.
114. Gregorian A, Maccabi G, Oskouian R, Lauryssen C, **Johnson JP**: Vascular complications in anterior thoracolumbar spinal reconstruction. Joint Section on Disorders of the Spine and Peripheral Nerves, San Diego, CA, March 2004.
115. **Johnson JP**, Pashman RS, Regan JJ, Anand N: Management of cervical-thoracic junction kyphotic deformities. American Association of Neurological Surgeons, Orlando, FL, May 2004.
116. Lauryssen C, **Johnson JP**: Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws. American Association of Neurological Surgeons, Orlando, FL, May 2004.
117. **Johnson JP**, Bergey D, Pashman RS: Pedicle subtraction osteotomy for cervical-thoracic kyphosis. American Association of Neurological Surgeons, Orlando, FL, May 2004.
118. **Johnson JP**: Image guided endoscopic thoracic spinal surgery. American Association of Neurological Surgeons, Orlando, FL, May 2004.
119. **Johnson JP**, Bergey DL, Pashman RS: Pedicle Subtraction Osteotomy for Cervical Thoracic Kyphosis. Scoliosis Research Society, Argentina, Buenos Aires, September 2004.
120. **Johnson JP**, Lauryssen C, Cambron HO, Pashman RS, Regan JJ, Anand N, Bray RS: Sagittal alignment of the Bryan cervical artificial disc. AANS/CNS Joint Section of the Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 2005.
121. **Johnson JP**, Lauryssen C, Cambron HO, Pashman RS, Regan JJ, Anand N, Bray RS: Sagittal alignment of the Bryan cervical artificial disc. AANS/CNS Joint Section of the Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 2005.
122. **Johnson JP**, Lauryssen C, Cambron HO, Pashman RS, Regan JJ, Anand N, Bray RS: Sagittal alignment of the Bryan Cervical Artificial Disc. American Association of Neurological Surgeons, New Orleans, LA, April 2005.

123. Miraliakbar H, **Johnson JP**, Maccabi G, Stokes JK, Bray RS, Laurysen: C1-2 fusion using facet arthrodesis without posterior structural bone grafting: a new technique. American Association of Neurological Surgeons, New Orleans, LA, April 2005.
124. Wolcott WP, **Johnson JP**, Pashman RS, Bray RS, Anand N, Cambron HO: Sagittal alignment of the Bryan cervical artificial disc. Spine Arthroplasty 5, New York, NY, May 2005.
125. Perri B, Oyelese A, Bray R, **Johnson JP**: Cervical kyphosis classification with strategies and techniques for correction of type-specific deformities. International Meeting on Advanced Spine Technologies (IMAST), Banff, Alberta, Canada, July 2005.
126. Melamed H, Hunt L, **Johnson JP**, Pashman RS, Wolcott WP: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. International Meeting on Advanced Spine Technologies (IMAST), Banff, Alberta, Canada, July 2005.
127. Siddique K, **Johnson JP**: Surgical options for treatment of osteomyelitis. International Meeting on Advanced Spine Technologies (IMAST), Banff, Alberta, Canada, July 2005.
128. Wolcott WP, Patel NP, **Johnson JP**, Lewin MG, McBride DQ, Batzdorf U: Esophageal injury rates in anterior cervical spine surgery: review of a large series and literature. Congress of Neurological Surgeons, Boston, Massachusetts, October 2005.
129. Wolcott WP, **Johnson JP**, Lim JY, Cambron HO, Patel NP, Wright NM: Failure of lateral mass plate fixation in osteoporosis. Congress of Neurological Surgeons, Boston, Massachusetts, October 2005.
130. **Johnson JP**, Melamed H, Hunt L, Pashman RS, Anand N, Wolcott WP: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. Congress of Neurological Surgeons, Boston, Massachusetts, October 2005.
131. Miraliakbar H, **Johnson JP**, Maccabi G, Stokes JK, Bray RS, Laurysen C: C1-2 instrumented fusion using facet arthrodesis without posterior structural bone grafting: clinical results on a new technique. Cervical Spine Research Society, San Diego, CA, December 2005.
132. Hamilton JF, Pinilla-Arias D, Bilancini M, Miraliakbar H, Laurysen C, **Johnson JP**: Addition of a cross-link to the C1 lateral mass/C2 pedicle screw fixation construct: a biomechanical study. Cervical Spine Research Society, San Diego, CA, December 2005.
133. Bergey DL, Melamed HM, Pashman RS, **Johnson JP**: Pedicle Subtraction Osteotomy for Cervical-Thoracic Kyphosis: A New Approach. CSRS Annual Meeting, San Diego, CA, December 2005.
134. Perri B, Oyelese A, Bray RS, **Johnson JP**: Strategies and techniques for correction of degenerative and post-surgical cervical kyphotic deformity. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Lake Buena Vista, FL, March 2006.
135. **Johnson JP**, Melamed H, Hunt LA, Pashman RS, Anand N, Wolcott PW: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Lake Buena Vista, FL, March 2006.
136. Hamilton JF, Pinilla-Arias D, Bilancini, Miraliakbar H, Laurysen C, **Johnson JP**: Addition of a cross-link to the C1 lateral mass/C2 pedicle screw fixation construct: a biomechanical study.

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137. Oyelese A, Perri B, Bray RS, **Johnson JP**: Strategies and techniques for correction of degenerative and post-surgical cervical kyphotic deformity. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
138. **Johnson JP**, Melamed H, Hunt LA, Pashman RS, Anand N, Wolcott PW: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
139. Hamilton JF, Pinilla-Arias D, Bilancini, Miraliakbar H, Laurysen C, **Johnson JP**: Addition of a cross-link to the C1 lateral mass/C2 pedicle screw fixation construct: a biomechanical study. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
140. Wolcott WP, **Johnson JP**, Lim JY, Cambron HO, Patel NP, Wright NM: Failure of lateral mass plate fixation in osteoporosis. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
141. Wolcott WP, Patel NP, **Johnson JP**, Lewin M, McBride DQ, Batzdorf U: Esophageal injury rates in anterior cervical spine surgery: review of a large series and literature. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
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143. **Johnson JP**, Melamed H, Hunt LA, Pashman RS, N, Wolcott PW: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Lake Buena Vista, FL, March 2006.
144. Hamilton JF, Pinilla-Arias D, Bilancini, Miraliakbar H, Laurysen C, **Johnson JP**: Addition of a cross-link to the C1 lateral mass/C2 pedicle screw fixation construct: a biomechanical study. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Lake Buena Vista, FL, March 2006.
145. Perri B, Oyelese A, Bray RS, **Johnson JP**: Strategies and techniques for correction of degenerative and post-surgical kyphotic deformity. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
146. Hamilton JF, Pinilla-Arias D, Bilancini, Miraliakbar H, Laurysen C, **Johnson JP**: Addition of a cross-link to the C1 lateral mass/C2 pedicle screw fixation construct: a biomechanical study. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
147. **Johnson JP**, Melamed H, Hunt LA, Pashman RS, N, Wolcott PW: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. American Association of Neurological Surgeons, San Francisco, CA, April 2006.
148. **Johnson JP**, Melamed H, Hunt LA, Pashman RS, Anand N, Wolcott WP: Asymmetric pedicle subtraction osteotomy with partial vertebrectomy for correction of fixed combined coronal and sagittal imbalance: a new twist on an old technique. American Association of Neurological Surgeons, April 22-27, 2006, San Francisco, CA.

149. Pashman RS, Hadden A, **Johnson JP**: Differential concave and convex CSF flow in idiopathic scoliosis. International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.
150. **Johnson JP**, Chuang S, Hunt L, Anand N, Pashman RS, Hedman T: Investigation of Injectable Collagen Crosslinking as an Alternative and Adjunctive Procedure in the Treatment of Spinal Deformity. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, October 2006.
151. **Johnson JP**, Ghostine S, Gazit D: Mesenchymal Stem Cell Applications for Spinal Disorders, American Association of Neurological Surgeons/Congress of Neurological Surgeons Section on Spine and Peripheral Nerves, Phoenix, AZ March 2007
152. Ghostine S, Zarembinski C, Tawackoli W, Pelled G, Gazit Z, **Johnson JP**, Gazit D. "Minimally Invasive Lumbar Interbody Fusion in a Porcine Model-Percutaneous Discectomy, Instrumentation, and Injection of Adult Mesenchymal Stem Cell". AANS, Washington DC, April 2007
153. Tawackoli W, **Johnson JP**, Anand NA, Haddock S, Siminton, T, Liebschner MAK: 3D Characterization of Joint Kinematics after Intervertebral Disc Augmentation, AANS, Washington DC, April 2007
154. Sheyn D, Pelled G, Gazit Z, Zarembinski CJ, Anand NA, **Johnson JP**, Gazit D: Injectable Adult Stem Cells as a Novel Therapeutic Platform for Anterior and Posterior Spinal Fusion. AANS, Washington DC, April 2007
155. Ghostine S, Zarembinski C, Tawackoli W, Pelled G, Gazit Z, **Johnson JP**, Gazit D, "Novel Porcine Model for the Analysis of Stem Cell-Based Lumbar Interbody Fusion": Congress of Neurological Surgeons, San Diego, September 2007
156. Ghostine S, Perri B, Anand, N, **Johnson JP**, Siddique K: Sacral Insufficiency Fractures Following Short Segmental Lumbar Instrumentation and Fusion. Congress of Neurological Surgeons, Chicago IL, September 2008
157. Ghostine S, Samudrala S, Vaynman S, Thiayanathan S, Bergey DL, Anand N, Pashman RS, **Johnson JP**: Cervicothoracic Junction (CTJ) Kyphosis: Surgical Reconstruction with Pedicle Subtraction Osteotomy (PSO). American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Spine and Peripheral Nerves, Annual Meeting, Phoenix AZ, March 2009
158. Vaynman S, **Johnson JP**, Ghostine S, Samudrala S: Using Exercise paradigms to Understand How Neurotrophins Can Impact Structural and Functional Plasticity in the Injured CNS. Bridges in Life Sciences-CEE Regional Networking Meeting, Debrecen, Hungary April 4-6, 2009
159. **Johnson JP**, Ghostine S, Thiayanathan G, Samudrala S, King WA, Levesque M, Vaynman S: Future Clinical Applications of Stem Cell Therapies for Spinal Disorders. Bridges in Life Sciences-CEE Regional Networking Meeting, Debrecen, Hungary April 4-6, 2009
160. Ghostine S, Keirstead H, **Johnson JP**: Spinal cord injury: Pathophysiology and Role of Stem Cells. American Association of Neurological Surgeons Annual Meeting, San Diego, May 2009
161. Ghostine S, Samudrala S, Vaynman S, Thiayanathan T, Anand N, Bergey D, Pashman RS, **Johnson JP**: Cervicothoracic Junction Kyphosis: Surgical reconstruction with pedicle osteotomy and Smith-Peterson Osteotomy. American Association of Neurological Surgeons Annual Meeting, San Diego, May 2009

162. Ghostine S, Kim TT, Vaynman S, Samudrala S, Laurysen C, **Johnson JP**: C1-C2 Facet Arthrodesis for Atlantoaxial Instability. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, Oct 24-29, 2009
163. Hummel A, Sandhu, Johnson JP: Structural Kyphoplasty: A Novel Directional Approach to Vertebral Fracture Repair. Poster at American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Spine and Peripheral Nerves, Annual Meeting, Phoenix, Arizona, 2009
164. Ghostine S, Samudrala S, Vaynman S, Schoeb JS, Cambron HO, King WA, **Johnson JP**: Image-guided thoroscopic resection of thoracic nerve sheath tumors. American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Spine and Peripheral Nerves, Annual Meeting, Phoenix, Arizona, 2009
165. Salinas P, Schoeb JS, Vaynman S, Samudrala S, **Johnson JP**: Thoracic Pedicle Subtraction Osteotomy for Fixed Sagittal Imbalance. American Association of Neurological Surgeons/Congress of Neurological Surgeons, Section on Spine and Peripheral Nerves, Annual Meeting, Phoenix, AZ 2009
166. Schoeb JS, Ghostine S, Vaynman S, King WA, Samudrala S, **Johnson JP**: Pre-Sacral Nerve Sheath Tumors-Evaluation and Management. American Association of Neurological Surgeons/Congress of Neurological Surgeons, Section on Spine and Peripheral Nerves, Annual Meeting, Phoenix, AZ 2009
167. Ghostine S, Vaynman S, Scibelli S, Woods K, Samudrala S, **Johnson JP**: Intra-articular C1-C2 Joint Arthrodesis- Description of an Alternative Safe Technique to Establish Successful C1-C2 Fusion. American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, Orlando FL 2010
168. Ghostine S, Vaynman S, Scibelli S, Woods K, Samudrala S, **Johnson JP**: Pedicle Subtraction Osteotomy- A Safe Alternative Surgical Technique to Treat Patients With Myelopathy Secondary to an Old Post-Traumatic Upper Thoracic Kyphotic Deformity. American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, Orlando, FL 2010.
169. **Johnson JP**, Vaynman S, Zarrini P, Ghostine S, Sandhu HS, Samudrala S: A Novel Technique for Direct Reduction of Vertebral Compression Fractures (VCF): A Safety Study, Techniques, and Preliminary Clinical Data. American Association of Neurological Surgeons/College of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, Orlando, FL 2010.
170. Scibelli S, Vaynman S, Ghostine S, Woods K, Samudrala S, **Johnson JP**: Cervical Kyphosis: A Novel Classification System and Operative Treatment Algorithm. American Association of Neurological Surgeons/Congress of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, Orlando, FL 2010.
171. Kim TT, Vayman SS, Pashman RS, Johnson JP: Eliminating Radiation Exposure to the Spine Surgeon: Image Guided Thoracoscopic Spine Surgery with the O-Arm: The next generation. Poster presented at the CNS annual meeting. San Francisco, CA, 2010.
172. Johnson JP: Eliminating Radiation Exposure to the Spine Surgeon: Using Modern Computed Tomography (CT) Guided Image Navigation in Adult Scoliosis Surgery. Poster presented at the CNS annual meeting. San Francisco, CA, 2010.

173. Ghostine S, Vaynman S, Schoeb JS, Cambron HO, King WA, Samudrala S, **Johnson JP**: Image-guided Thoracoscopic Resection of Thoracic Dumbbell Nerve Sheath Tumors. International Brain Mapping and Intraoperative Brain Surgical Planning Society. Annual Meeting, 2010.
174. Ghostine S, Vaynman S, Swartz KR, Brien EW, Samudrala S, **Johnson JP**: En-bloc Resection of a Large Sacral Chordoma facilitated by an Intra-operative Image-Guidance System (IGS). International Brain Mapping and Intraoperative Brain Surgical Planning Society. Annual Meeting, 2010
175. Ghostine S, Nasis R, Airriess C; Vaynman SS, **Johnson JP**, Reeves AL, Keirstead H. Clinical Trial Design for Phase I/IIA Embryonic Stem Cell Derived Motor Neuron Progenitor Transplant(MOTORGRAFTTM) for Treatment of Infantile Spinal Muscular Atrophy Type I. American Association of Neurological Surgeons/Congress of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, 2011.
176. **Johnson JP**, Kim TT, Vaynman SS, Ghostine S, Turner MS, Woods KR; Grode ML, Samudrala S, Pashman RS. Computerized Image Guided Spine Surgery: The State-of-the-Art. American Association of Neurological Surgeons/Congress of Neurological Surgeons, Section on Disorders of the Spine and Peripheral Nerves, Annual Meeting, 2011.
177. Shirzadi A, Drazin D, Turner M, Tomooka B, Samudrala S, King W, Kim T, **Johnson JP**. A Unique Fixation Technique for Femoral Shaft Allograft Fixation with Lag Screw fixation. Poster presented at the CNS annual meeting. Washington, DC, 2011.
178. Vaynman S. Ghostine S, **Johnson JP**. Diffuse idiopathic skeletal hyperostosis with ossification of the posterior longitudinal ligament presenting with an underlying metabolic syndrome: Keys to diagnosis and surgical management. 9th Annual World Congress of SBMT on Brain, Spinal cord mapping, and Image guided Therapy. Toronto, Canada 2012.
179. Kim T, Vaynman S, Ghostine S, Turner M, Samudrala S, Pashman R, **Johnson JP**. Computerized image-guided spine surgery: Updating the state-of-the art. 9th Annual World Congress of SBMT on Brain, Spinal cord mapping, and Image guided Therapy. Toronto, Canada 2012.
180. Johnson JP, Vayman SS, Hsieh JC, Ghostine S, Verma A, Drazin DG, Zarrini, Kim TT, Scibelli SS, Schoeb S, Samudrala S, Laurysen C: Out of Harm's Way: A New Alternative Safe Surgical Technique to Establish Reliable Atlantoaxial Fusion that Spares the C1-2 Nerve. Poster at CNS Annual Meeting, Chicago, IL 2012.
181. Hamilton J, Vaynman S, Ghostine S, Samudrala S, **Johnson JP**. A minimally invasive percutaneous far lateral approach with microscopic en bloc resection of lumbar nerve sheath tumors. 9th Annual World Congress of SBMT on Brain, Spinal cord mapping, and Image guided Therapy. Toronto, Canada 2012.
182. Drazin D, Hsieh J, Shirzadi A, Tomooka B, Vaynman S, Feldman L, Laurysen C, Lanman T, **Johnson JP**. Hybrid anterior lumbar interbody fusion and total disc replacement - a multicenter experience. NASS Amsterdam, Netherlands 2012.
183. Drazin D, Shirzadi A, Turner M, Tomooka B, Woods K, Ghostine S, Vaynman S, Samudrala A, King W, **Johnson JP**. Simultaneous direct lateral interbody fusion and posterior percutaneous screw fixation. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, 2012.

184. Hsieh J, Ghostine S, Drazin D, Vaynman S, Kim T, Zarrini P, Scibelli S, Schoeb S, Samudrala S, Laurysen C, **Johnson JP**: A new alternative to establish reliable atlanto-axial (C1-2) fusion. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL, 2012.
185. Gill AS, Hsieh JCY, Chaturbedi A, Yanni DS, Linskey ME, **Johnson JP**, Ghostine S: Parieto-occipito-cervical instrumentation and fusion of a patient with an unstable cranio-cervical junction after both a posterior fossa craniectomy and left transcondylar craniotomy. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, 2012.
186. Hsieh JC, Mattiello JA, Vaynman SS, Drazin DG, Pashman RS, **Johnson JP**, KimTT: Accuracy of Intraoperative Computed Tomography-Image Guided Surgery (CT-IGS) in Placing Pedicle Screws for New versus Revised Spine SurgeryPoster at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Phoenix, AZ Mar 2013.
187. **Johnson JP**, Vaynman SS, Ghostine S, Swartz KR, Mattiello JA, Hsieh JC, Brien E, Samudrala S: Disputed Passage: Using Intraoperative Image Guidance to Facilitate the En Bloc Resection of a Sacral Chordoma. Poster at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Phoenix, AZ, Mar 2013.
188. Hsieh JC, Mattiello JA, Drazin DG, Vaynman SS, Pashman RS, **Johnson JP**, Kim TT: The Role of Intraoperative Computed Tomography-Image-Guided-Surgery (CT-IGS) in Screw Placement in patient with Small Thoracic Pedicles. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Phoenix, AZ, March 2013.
189. **Johnson JP**, Vaynman S, Hsieh J, Verma A, Ghostine S, Zarrini P, Kim T, Scibelli S, Schoeb S, Samudrala S, Laurysen K. Description of a New Alternative Safe Surgical Technique to Establish Reliable Atlantoaxial Fusions that Spares the C2 Nerve Root. NASS 2013.
190. Drazin DG, Ross, L, Jeswani S, Patel AD, Babu H, Samudrala S, King WA, Kim TT, **Johnson JP**: Outcomes for Patients with Surgical Treatment of Primary and Metastatic Tumors of the Spine. Poster at CNS Annual Meeting, San Francisco, CA Oct 2013.
191. Drazin D, Shweikeh F, Nuno M, **Johnson JP**: National trends, complications, and outcomes following surgery for disc herniation and spinal stenosis in children and adolescents. Presentation at the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL Mar 2014
192. Drazin D, Shweikeh F, Nuno M, **Johnson JP**: Disparities in Clinical and Economic Outcomes in children and adolescents following surgery for tethered cord syndrome in the United States Presentation at the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL Mar 2014.
193. Drazin D, Al-Khouja L, Campbell J, Shweikeh F, Baron E, Pashman R, **Johnson JP**, Kim TT (2014, Oct). Minimally invasive surgery for management of traumatic lumbar spine fractures: A systemic review of techniques and outcomes. Poster presentation at the CNS annual meeting. Boston, MA Oct 2014.
194. Drazin D, Hsieh J, Pashman R, Kim TT, **Johnson JP**: Image-guided navigation in spinal surgery from cervical to sacral spine— A comprehensive experience with accuracy results and lessons learned. Poster presentation at the CNS annual meeting. Boston, MA Oct 2014.

195. Drazin D, Nuno M, Shweikeh F, **Johnson JP**, Kim TT, Vaccaro AR, Baron EM (2014, Oct). Outcomes and national trends for the surgical treatment of lumbar spine trauma. Poster presentation at the CNS annual meeting. Boston, MA Oct 2014.
196. Drazin D, Shweikeh F, Weishofer E, Kim TT, **Johnson JP**: Public Awareness of The Bone Morphogenetic Protein Controversy: Evidence From Major Newspapers. Poster presentation at the CNS annual meeting. Boston, MA Oct 2014.
197. Babu H, **Johnson JP**, Naruse R, Kim TT, Wong R, Turner MS: Airway Management in Patients with Severe Cervical Deformity. Poster presentation at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ Mar 2015.
198. Shweikeh F, Sangtani A, **Johnson JP**, Kim TT, Drazin DG: Cervical Epidural Abscess: A retrospective analysis of 16 cases with review of the literature. Poster presentation at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ Mar 2015.
199. Drazin DG, Al-Khouja L, Shweikeh F, Pashman RS, **Johnson JP**, Kim TT: Economics of Image Guidance and Navigation in Spine Surgery. Poster presentation at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ Mar 2015.
200. Drazin DG, Shweikeh F, Ugillweneza B, **Johnson JP**, Kim TT, Boakye M: Racial Disparities in Elderly Patients Receiving Lumbar Spinal Stenosis Surgery. Poster presentation at AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Phoenix, AZ Mar 2015.
201. Drazin DG, Ross L, Hsieh J, Lagman C, Baron E, Pashman RS, Kim TT, **Johnson JP**: A Comparative Cohort Study of Cervical 1-2 Instrumentation: Fluoroscopy versus CT Image Guided Navigation. ISSAS Annual meeting, Las Vegas, NV Apr 2016.
202. Drazin DG, Ross L, Hsieh J, Lagman C, Baron E, Pashman RS, Kim TT, **Johnson JP**: A Novel Approach to Spinal Image Guidance Navigation Workflow: A Human Factors Analysis: ISSAS Annual meeting, Las Vegas, NV Apr 2016.
203. Drazin DG, Ross L, Hsieh J, Lagman C, Baron E, Pashman RS, Kim TT, **Johnson JP**: Practice Makes Perfect: Surgeon Expertise Decreases Flow Disruptions in Spinal Navigation: ISSAS Annual meeting, Las Vegas, NV Apr 2016.
204. Drazin DG, Kim TT, **Johnson JP**: Spinal Surgery Outcomes in the 9th Decade: A national claim registry analysis. Awarded Third Place Young Neurosurgeons AANS Annual Meeting Electronic Poster Award. Chicago IL, Apr 2016
205. Lo V, Hsieh JC, Drazin DG, Pashman RS, **Johnson JP**, Baron EM, Kim TT: Comparison Of Navigation-Assisted And Fluoroscopic-Guided Screw Placement In Posterior Cervical Instrumentation Digital Poster Congress Of Neurological Surgeons, Houston, TX, 2018

BOOK CHAPTERS

1. **Johnson JP.** Subfrontal Approach: Unilateral and Bilateral. In: Samii M, Cheatham ML and Becker DP (Eds.) **Atlas of Cranial Base Surgery.** WB Saunders, Philadelphia, PA, 1995, pp 3-5.
2. **Johnson JP.** Frontotemporal Approach. In: Samii M, Cheatham ML and Becker DP (eds.) **Atlas of Cranial Base Surgery.** WB Saunders, Philadelphia, PA, 1995, pp. 6-8.
3. **Johnson JP.** Suboccipital Lateral Retrosigmoid Approach. In: Samii M, Cheatham ML, and Becker DP (eds.) **Atlas of Cranial Base Surgery,** WB Saunders, Philadelphia, PA, 1995, pp. 12-15.
4. **Johnson JP.** Suboccipital Midline Approach. In: Samii M, Cheatham ML and Becker DP (eds.) **Atlas of Cranial Base Surgery,** WB Saunders, Philadelphia, PA, 1995, pp. 16-17.
5. **Johnson JP.** Transoral Approach to the Clivus and C1-C2. In: Samii M, Cheatham ML and Becker DP (eds.) **Atlas of Cranial Base Surgery,** WB Saunders, Philadelphia, PA, 1995, pp. 95-98.
6. **Johnson JP** and Starkman S. New Concepts in Management of Acute Spinal Cord Injury. **Continuum of Neurology,** Fall 1996.
7. **Johnson JP** and Ahn SS. Thoracoscopic Sympathectomy. In: Loftus CM and Batjer HH (eds.) **Techniques in Neurosurgery,** Lippincott-Raven, Philadelphia, PA , 1997, Vol 3:No 4, pp308-314.
8. **Johnson JP.** Virtual Reality and Surgical Simulation in Neurosurgical Residency Training. In: Kerrigan C, Pietrucha B and Riess JR (eds.) **Medical Simulation and Training Kerrigan Media International,** Potomac, MD, 1996, Volume 1:No 2, pp 16-18.
9. **Johnson JP.** Transoral Anatomy and Approaches to the Craniovertebral Junction. **Perspectives in Neurological Surgery,** Quality Medical Publishing Inc., St Louis, MO.
10. Mathisen G and **Johnson JP.** Current concepts in brain abscess management. **Clinical Infectious Diseases,** 1997:25: pp 763-781.
11. **Johnson JP,** Ahn SS, Moossy JJ, Welch E. Surgery of the Sympathetic Nervous System. In: Benzel EC (ed.) **Spine Surgery: Techniques, Complication Avoidance, and Management,** Livingston Churchill, New York, NY 1998.
12. **Johnson JP** and Ahn SS. Thoracoscopic Sympathectomy. In: Rengachary SS (ed) **Neurosurgical Operative Atlas,** AANS Publications Committee, Park Ridge, IL, 1998, Volume VII: pp 157-162.
13. Kim KD, **Johnson JP,** Bloch O, Masciopinto JE, Saracen MJ, Villablanca JP. New software applications for interchangeable instrumentation in spinal stereotaxis. In: Westwood JS et al (eds) **Medicine Meets Virtual Reality,** IOS Press, 1999.
14. Kim KD, Masciopinto JE, **Johnson JP.** Anterior transoral surgical techniques. In: An H and Cotler J (eds). **Spinal Instrumentation** (2nd Ed.), Lippincott Williams & Wilkins, Philadelphia, PA, 1999.
15. Masciopinto JE, Kim KD, **Johnson JP.** Anterior odontoid screw fixation. In: An H and Cotler J (eds). **Spinal Instrumentation** (2nd Ed.), Williams & Wilkins, Philadelphia, PA, 1999.
16. Kim KD, DeSalles AAF, **Johnson JP,** Ahn SS. Sympathectomy: open and thoracic. In: Burchiel K (ed). **Pain Surgery,** Thieme Publishers, 1999.
17. **Johnson JP.** Surgery of the sympathetic nervous system. In: Schmidek HH and Sweet WH (eds). **Operative Neurosurgical Techniques** (4th Ed.), W.B. Saunders, Philadelphia, PA, 2000.

18. **Johnson JP**, Obasi CN, Canalis R. Tumors of the occipitocervical junction. In: Fessler and Sekhar (eds). **Atlas of Neurological Techniques**, Thieme, New York, NY. (submitted 1999)
19. Patel NP, **Johnson JP**, Hahn MS. Lumbar Fractures. In: Batjer H and Loftus C (eds). **Textbook of Neurological Surgery**, Lippencott-Raven Publishers, Philadelphia, PA, 2002.
20. Park J, **Johnson JP**, Fohrman E. Sacral Fractures. In: Batjer H and Loftus C (eds). **Textbook of Neurological Surgery**, Lippencott-Raven Publishers, Philadelphia, PA, Vol II, pp1784-9, 2002.
21. McBride DQ, **Johnson JP**, Masciopinto JE. Ray Cages. In: Haid R, Fessler R and Alexander J (eds.) **Lumbar Interbody Fusion Techniques: Cages, Dowels, and Grafts**, Quality Medical Publishing, Inc., St. Louis, MO, 1999.
22. **Johnson JP**. High Tech Spinal Surgery. In: Sinel MS and Deardorff WW (eds.) **Low Back Pain for Dummies**, IDG Books Worldwide, Foster City, CA, 1999.
23. **Johnson JP**, Filler AG, McBride DQ, Batzdorf U. Outpatient Anterior Cervical Foraminotomy. In: Perez-Cruet (ed.) **Outpatient Spinal Surgery**, 2000.
24. Patel NP, Lim JY, Kim KD, **Johnson JP**. Image-Guided Lumbar Instrumentation. In: Germano IM (ed.) **Advanced Techniques in Image-Guided Brain and Spine Surgery**, Thieme Publishers, New York, NY, 2002, pp 197-206.
25. McBride DQ, **Johnson JP**. Ray Cages In: Haid RW, McLaughlin MR Fessler (eds) **Lumbar Interbody Fusion Techniques: Cages, Dowels, and Grafts**, Quality Medical Publishing Inc., St. Louis MO, 2002.
26. **Johnson JP**, Khairi S, Welch E. Surgery of the Sympathetic Nervous System. In: Benzel EC (ed.) **Spine Surgery: Techniques, Complication Avoidance, and Management 2nd Edition**, Elsevier Churchill Livingstone, Philadelphia, Pennsylvania, 2005, pp 1357-1366.
27. Bergey D, Pashman RS, **Johnson JP**. Ankylosing Spondylitis: Deformity Correction Surgery. In: Benzel EC (ed.) **Spine Surgery: Techniques, Complication Avoidance, and Management 2nd Edition**, Elsevier Churchill Livingstone, Philadelphia, Pennsylvania, 2005, pp 931-935.
28. **Johnson JP**, Rogers CD. Thoracoscopic discectomy In: Kim DH, Fessler RG and Regan JJ (eds) **Endoscopic Spine Surgery and Instrumentation**, Thieme Medical Publishers, New York, NY, 2005, pp 111-124.
29. **Johnson JP**. Thoracoscopic management of thoracic discectomy. In: Kim DH, Fessler RG and Regan JJ (eds) **Endoscopic Spine Surgery and Instrumentation**, Thieme Medical Publishers, New York, NY, 2005, pp 111-124.
30. Stokes JK, **Johnson JP**. PEAK Polyaxial Anterior Cervical Plate. In: Vaccaro A, Fessler GD (eds). **Surgical Techniques in Spinal Instrumentation**, Thieme Medical Publishers, New York, NY, 2005, pp 156-161.
31. Bergey D, Pashman RS, **Johnson JP**: Ankylosing Spondylitis: Deformity Correction Surgery. In: Benzel EC (ed.) *Spine Surgery: Techniques, Complication Avoidance, and Management 2nd Edition*, Elsevier Churchill Livingstone, Philadelphia, Pennsylvania, 2005, pp 931-935.
32. Patel NP, **Johnson JP**. Sympathectomy. In: Spetzler R (ed.) *Encyclopedia of the Neurological Sciences*, Academic Press San Diego, CA.
33. Patel NP, **Johnson JP**. Hyperhidrosis. In: Spetzler R (ed.) *Encyclopedia of the Neurological Sciences*, Academic Press San Diego, CA.

34. Stokes JK, Lim JY, Bray RS, **Johnson JP**. Anterior plate fixation of the cervical spine. In: Wilkins RH and Rengachary SS (eds.) **Neurosurgery 3rd Edition**, McGraw-Hill Publishers, New York, NY.
35. Gart A, Patel NP, **Johnson JP**. Conservative management of cervical and lumbar pain. In: Wilkins RH and Rengachary SS (eds.) **Neurosurgery 3rd Edition**, McGraw-Hill Publishers, New York, NY.
36. **Johnson JP**, Patel NP. Endoscopic thoracic sympathectomy. In: Wilkins RH and Rengachary SS (eds.) **Neurosurgery 3rd Edition**, McGraw-Hill Publishers, New York, NY.
37. **Johnson JP**. Sympathectomy for intractable pain: indications, techniques, and results In: Osenbach R, Loftus C, Batjer H (eds) **Techniques in Neurosurgery on Management of Chronic Pain**, Lippincott Williams and Wilkins, PA.
38. **Johnson JP**. Anterior cervical foraminotomy In: Perez-Cruet MJ, Khoo LT, Fessler RG (eds) **An Anatomical Approach to Minimal Access Spine Surgery**, Quality Medical Publishing Inc.
39. **Johnson JP**. Thoracoscopic Minimally Invasive Update. In: Haid RW, Subach BR and Rodts GE (eds) **Progress in Neurological Surgery: Advances in Spinal Stabilization**, Karger Publications.
40. Melamed H, **Johnson JP**. Cervico-thoracic junction fixation options. Mummaneni PV, Haid RW, Lenke L (eds). **Principles of Spinal Deformity: A Primer on Surgical Management**, Quality Medical Publishing Inc.
41. **Johnson JP**, Kasimian S: Endoscopic Thoracic Discectomy. In: Vaccaro AR, Baron EM (ed) **Atlas of Operative Techniques: Spine Surgery**, Elsevier, New York, NY, 2007.
42. Perri B, Gravori T and **Johnson JP**. Thoracoscopic Sympathectomy in Functional Neurosurgery, **Neurosurgical Operative Atlas 2Ed**: Chapter 25, Eds: Starr, Barbaro and Larson,
43. Baron E, Siddique K, Perri B, Anand N, **Johnson JP**. "Anterior Transoral Resection"; in **Operative Techniques in Orthopaedics**, (Eds. Freddie H. Fu, MD), Vol. 17(3) July 2007, pp.156-162.
44. Wolcott P, Johnson JP, Melamed H, Fixation Options for the Cervicothoracic Junction" for **Spinal Deformity: A Guide to Planning and Management**. Quality Medical Publishing Inc.,(Submitted 2007).
45. Rustamzadeh E, Siddique K, **Johnson JP**: Fracture-dislocations of the thoraco-lumbar spine. **Atlas of Spinal Trauma: Adult and Pediatric**. Editors: Kim DH, Ludwig SC, Vaccaro AR., Elsevier Inc., Philadelphia, PA 2007.
46. Perri B, Siddique K, Anand N, Pashman R and **Johnson JP**: Charité SBIII Artificial Disc Replacement: Techniques for Surgical Implantation. Instructional Video. In Vaccaro, AR, Baron, EM **Atlas: Spine Surgery**. Elsevier Medical Publishing, Philadelphia. 2007.
47. Thaiyanathan G, and **Johnson JP**: "**Neurosurgery Tricks of the Trade**" Chapter on "Posterior Lumbar Discectomy" for companion handbook published in 2008 by Stanford University Medical Center Department of Neurosurgery.
48. Perri BR, Gravoori T and **Johnson JP**: "Thoracoscopic Sympathectomy" in **Neurosurgical Operative Atlas 2E: Functional Neurosurgery** (Chapter 25). Edited by Starr, Barbano and Larsen. Thieme Publishing 2008.
49. Ghostine S, Woods K, Vaynman S, Shirzadi A, Scibelli SS, Samudrala S, **Johnson JP**. Treatment of thoracic vertebral fractures In: **The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques**. Elsevier Publishing Philadelphia, PA, 2010.

50. Perri B, Ghostine S, Vaynman S, Samudrala S, **Johnson JP**, Siddique K. Thoracoscopic Sympathectomy for Hyperhidrosis In: Schmidek HH (ed). **Schmidek & Sweet's Operative Neurosurgical Techniques**, 6th Edition, Chapter 121, Elsevier, Philadelphia, PA, 2011.
51. **Johnson JP**, Bergey DC, Pashman RS. Deformity Surgery in Ankylosing Spondylitis in Benzel EC (ed). **Spine Surgery: Techniques, Complication Avoidance, and Management**, 3rd Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2011.
52. **Johnson JP**, Khairi S, Welch WC. Surgery of the Sympathetic Nervous System in Benzel EC (ed). **Spine Surgery: Techniques, Complication Avoidance, and Management**, 3rd Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2011.
53. **Johnson JP**, Vaynman S. Management of Ossification of Posterior Longitudinal Ligament in Benzel EC (ed). **Spine Surgery: Techniques, Complication Avoidance, and Management**, 3rd Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2011.
54. Ghostine S, Samudrala S, **Johnson JP**. "Treatment of thoracic disc herniation. In: Winn HR, ed. Youman's neurological surgery, vol 3. Youman's neurological surgery, ed 6. Philadelphia: Elsevier; 2011:2911-2918.
55. Scibelli SS, Woods KMR, Vaynman S **Johnson JP**; Cervical Laminectomy and Laminoplasty" Jandial R, McCormick PC, McBlack P, Eds. *Core Techniques in Operative Neurosurgery: Expert Consultant* Chapter 61, 2011.
56. Kasimian S, **Johnson JP**: Endoscopic Thoracic Discectomy. In Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 2nd Edition** Elsevier Medical Publishing, Philadelphia, PA, Chapter 20, 178-188, 2012.
57. Ghobrial GM, Baron EM, Choi D, Singh H, Harrop JS, **Johnson JP**, Vaccaro AR, Crockard HA: Anterior Odontoid Resection in Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 2nd Edition** Elsevier Medical Publishing, Philadelphia, PA, 2012.
58. Hsieh J, Drazin D, Turner M, Shirzadi A, Kim K, **Johnson JP**: Classification and Treatment of Thoracic Fractures. In: Ullman JS, Ellegala D, Raksin P (eds). **Atlas of Emergency Neurosurgery**. Thieme Medical Publishers, 2012.
59. Kim TT, Drazin D, Zelaya R, **Johnson JP**: Intraoperative Neurophysiologic Monitoring in Spine Surgery: Multimodality Setup in: Loftus CM, Biller J, Baron EM (eds). **Intraoperative Neuromonitoring**. McGraw-Hill Publishing, New York, NY, 2013.
60. Baron EM, Drazin D, Anand N, **Johnson JP**: Thoracoscopic Approach for Spinal Conditions. In: Vaccaro, A, et al, *The Spine*. Jaypee Brothers Medical Publishers (P) Ltd, 2014.
61. Perri B, Vaynman S, Ghostine G, Samudrala S, **Johnson JP**, Siddique K: Hyperhidrosis: Pathophysiology and Available Therapies. Oxford University Press. 2014.
62. **Johnson JP**, Khairi S, Welch WC, Prager JP. Surgery of the Sympathetic Nervous System in Benzel EC (ed). **Spine Surgery: Techniques, Complication Avoidance, and Management**, 4th Edition, Elsevier Churchill Livingstone, Philadelphia, PA, 2016.
63. Ghobrial GM, Baron EM, Choi D, Singh H, Harrop JS, **Johnson JP**, Vaccaro AR, Crockard HA: Anterior Odontoid Resection in Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 3rd Edition** Elsevier Medical Publishing, Philadelphia, PA, 2016.

64. Kasimian S, **Johnson JP**: Endoscopic Thoracic Discectomy. In Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 3rd Edition** Elsevier Medical Publishing, Philadelphia, PA, 2016.
65. Ross L, Baron EM, **Johnson JP**: Posterior Cervical Foraminotomy. In Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 3rd Edition** Elsevier Medical Publishing, Philadelphia, PA, 2016.
66. Drazin DG, **Johnson JP**: Surgical Treatment of Arachnoid Cysts. In Vaccaro A and Baron EM, **Atlas of Spinal Surgery. 3rd Edition** Elsevier Medical Publishing, Philadelphia, PA, 2016.
67. **Johnson JP**: Spinal Thoracic Discectomy: Open vs Endoscopic. In Nakaji P and Holly L, **Controversies in Neuroendoscopy**, Elsevier Medical Publishing, Philadelphia, PA, 2017. In press
68. Lo V, Redko A, Brown AE, Kim DH, **Johnson JP**. Thoracoscopic Discectomy. Chapter 33. In: Kim DH, eds. **Endoscopic Spine Surgery. 2nd Edition**. New York: Thieme 2018. In press

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1. **Johnson JP**, Adelson PD, McBride DQ: **UCLA Neurosurgical Student Manual**. UCLA Teaching Publications, 1989.
2. **Johnson JP**, McBride DQ, Filler AG, Batzdorf U: **Lumbar Spinal Fusion**. Lippincott-Wilkins Publishers, Philadelphia, PA 1999.
3. Yue J, Guyer D, **Johnson JP**, Khoo LT, Hochschuler ST: **The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques**. Elsevier Publishing Philadelphia, PA 2010.
4. Benzel EC, Drazin D, **Johnson JP**: **The Thoracic Spine**. Quality Medical Publishing. St. Louis, MO, in preparation 2016.

BOOK REVIEWS

1. Techniques in Spinal Fusion and Stabilization by: Hitchon, Treynalis and Rengachary. Journal of Neurosurgery, Vol. 83, pp. 1110, Dec 1995.
2. Surgery of Spinal Trauma by: Cotler JM, Simpson JM, An HS and Silveri CP. Lippincott Williams and Wilkins, Philadelphia, PA, 2000.
3. Spinal Instrumentation: Surgical Techniques by Kim DH, Vaccaro AR, Fessler RG. Thieme Medical Publishers, New York, NY, 2005.

VISITING PROFESSOR

1. Medical University of South Carolina Division of Neurosurgery, Charleston, South Carolina. November 1998. Minimally and Maximally Invasive Spine Surgery.
2. Oregon Health Sciences University, Department of Neurosurgery Visiting Professor Event, Portland, OR. March-April 2000. Spinal surgery in the new millennium.
3. University of Texas-Southwestern, Department of Neurosurgery Visiting Professor. Dallas, TX. December 10, 2001. Thoracoscopic spinal surgery. Indications for spinal fusion.
4. USC Department of Orthopaedic Surgery. Los Angeles, CA, April 25, 2003. Grand Rounds Series: Complex problems of the cervical-thoracic junction.
5. CINN-Rush Department of Neurosurgery. Chicago, IL, November 13-14, 2003. Grand Rounds: Spinal deformity and the neurosurgeon.
6. UC Davis Department of Neurosurgery. Sacramento, CA, December 9-10, 2003. Spine Conference: 1. Building a multidisciplinary spine center: how to do it. 2. Spinal deformity and the neurosurgeon.
7. Presbyterian/St. Luke's Medical Center, Department of Orthopedics, Denver, CO, March 5, 2004. Invited Speaker: Multilevel Cervical Decompression and Fusion.
8. University of Virginia, Department of Neurosurgery, Charlottesville, VA, September 25, 2004. Kitchin, Drake and Weaver Lectures. Spinal Deformity and the Neurosurgeon
9. UC Davis Medical Center. Center of Neuroscience Institute. Sacramento, CA, October 20, 2005. Spine Conference: Image guided thoracic spine surgery.
10. University of Tennessee. Chattanooga, TN, November 7, 2005. Department of Orthopedics Grand Rounds: Pedicle subtraction osteotomy for cervical thoracic junction kyphosis.
11. Mount Sinai Department of Neurosurgery, New York, NY February 3-4, 2009. Spine Surgery in the New Millennium.
12. University of California-Irvine, Department of Neurosurgery, Orange, CA. December 16, 2009. Stem Cell Applications in Degenerative Spinal Cord Disorders
13. Stanford University, Department of Neurosurgery, Palo Alto, CA. June 11, 2010. Spine Surgery in the New Millennium.
14. UC Davis Department of Neurosurgery, Sacramento, CA. February 14, 2012. Future Directions in Spinal Surgery.
15. Loma Linda University Medical Center, Loma Linda, CA. March 5, 2017. Emerging Techniques in Spine Surgery

INVITED SPEAKER

1. 1st Asian-Oceanian International Congress on Skull Base Surgery. Tokyo, Japan. June 19, 1991. Surgical Approach to Clival Chordomas by the Transoral, Median Labiomandibular Glossotomy Approach.
2. UCLA Cranial Base Surgery Workshop. Los Angeles, California, September 12-13, 1991, Transoral Surgery of the Odontoid. Lecture and live transoral surgical teletransmission with Alan Crockard, MD.
3. American Association of Neurological Surgeons. Orlando, Florida, April 27, 1995. Successful Techniques in Spinal Fusion.
4. 7th Congress of Peruvian Neurosurgery. Lima, Peru. October 31, 1995. Management of Thoracolumbar Fractures. Transoral Surgery and Craniocervical Junction Stabilization.
5. International Winter Congress on Minimally Invasive Techniques. Snowmass, Colorado, March 16-21, 1996. Minimally Invasive Spinal Instrumentation.
6. Southern California Neurosurgical Society. Pasadena, CA. May 15, 1996. Anterior Cervical Foramenotomy.
7. National Security Industrial Association. Orlando, FL. July 12, 1996. Medical Technology Meets the Future.
8. Society of Peruvian Neurosurgery and Society of Peruvian Spinal Surgery. Lima, Peru. August 15-17, 1996. International Course for Surgery of the Spine.
9. Congress of Neurological Surgeons. Montreal, Canada. September 29, 1996. Thoroscopic Sympathectomy.
10. Chilean Neurosurgical Congress. Vina del Mar, Chile. November 23, 1996. Current Topics in Thoracolumbar Spinal Surgery.
11. Clinica Las Condes. Santiago, Chile. November 25, 1996. Guest Speaker and Co-Director, Thoracolumbar Spinal Instrumentation Course.
12. Harry and Harms Meeting. Olympic Valley, CA. March 1997. Invited Speaker: Advanced Theory and Techniques in Spinal Surgery.
13. American Association of Neurological Surgeons. Denver, CO. April 1997. Breakfast Seminar: Endoscopic Surgery of the Spine.
14. Summer School of the Spine. Vancouver, Canada. July 1997. Craniovertebral Junction Stabilization.
15. Summer School of the Spine. Vancouver, Canada. July 1997. Anterior Screw Fixation of the Odontoid.
16. Advances in Spine Surgery and the Neurosciences International Symposium. Miami Beach, FL. July 1997. Transthoracic Endoscopic Spinal Surgery.
17. Advances in Spine Surgery and The Neurosciences International Symposium. Miami Beach, FL. July 1997. Implant Selection and Construct Design.

18. Montana Neurosurgery Symposium. Flathead Lake Lodge, Montana. September 1997. Thoracoscopic Sympathectomy; Outpatient Lumbar Microdiscectomy.
19. Congress of Neurological Surgeons. New Orleans, LA. September 28, 1997. Lecture: Thoracoscopic Spine Surgery.
20. Congress of Neurological Surgeons. New Orleans, LA. September 29, 1997. Luncheon Seminar: Neurosurgery Issues in Sports Medicine
21. Congress of Neurological Surgeons. New Orleans, LA. September 30, 1997. Luncheon Seminar: Thoracoscopic Spine Surgery.
22. Korean Neurological Society. Seoul, Korea. October 16, 1997. Invited Speaker: Stereotactic Spine Surgery.
23. Sejong University. Seoul, Korea. October 17, 1997. Invited Speaker: Lumbar Spinal Stenosis.
24. Yonsei University Hospital, Department of Neurosurgery. Seoul, Korea. October 20, 1997. Invited Speaker: Simultaneous anterior and posterior spinal reconstruction.
25. Congress of Peruvian Neurosurgery. Lima, Peru. November 1-2, 1997. Invited Speaker: Bone Healing and Arthrodesis and Types of Bone Grafts.
26. The Mount Sinai Medical Center: Thoracoscopic and Laparoscopic Approaches for the Treatment of Thoracic and Lumbar Spinal Pathology. New York, NY. December 12-13 1997. Invited Speaker: Surgical Technique-Thoracic Sympathectomy.
27. Spinal Surgery: Current and Innovative Theory and Techniques. Snowmass, CO. January 24-27 1998. Invited speaker: Odontoid screw fixation and thoracoscopic spine surgery.
28. American Association of Neurological Surgeons. Philadelphia, PA. April 1998. Breakfast Seminar: Thoracoscopic sympathectomy.
29. American Association of Neurological Surgeons. Philadelphia, PA. April 1998. Breakfast Seminar: Minimally invasive surgery.
30. American Association of Neurological Surgeons. Philadelphia, PA. April 1998. Pre-meeting practical course: Indications and techniques of anterior thoracolumbar constructs.
31. Clinica las Condes, Santiago, Chile. June 1998. Thoracoscopic disc surgery
32. Clinica las Condes, Santiago, Chile. June 1998. Peak Polyaxial Anterior Cervical Plate.
33. Congress of Neurological Surgeons. Seattle, WA. October 1998. Luncheon Seminar: Neurological issues in sports medicine.
34. XXVII Latin American Congress of Neurosurgery, Santiago, Chile. October 1998. Cervical Spine Course: Bone healing and arthrodesis.
35. Big Time Spine at LAX. Los Angeles, CA. January 1999. Thoracoscopic spinal surgery.
36. Big Time Spine at LAX. Los Angeles, CA. January 1999. Odontoid fractures.
37. Big Time Spine at LAX. Los Angeles, CA. January 1999. Image guided spinal surgery.

38. Big Time Spine at LAX. Los Angeles, CA. January 1999. Simultaneous anterior and posterior thoracic spinal reconstruction.
39. Interventional Therapies Workshop. Memphis, TN. January 1999. Fluoroscopy use and safety/fluoroscopic anatomy.
40. Interventional Therapies Workshop. Memphis, TN. January 1999. Intrathecal infusion systems implant techniques.
41. American Association of Neurological Surgeons. New Orleans, LA. April 1999. Anterior lumbar stabilization and fusion.
42. American Association of Neurological Surgeons. New Orleans, LA. April 1999. Breakfast Seminar: Contemporary management of the thoracic disc.
43. American Association of Neurological Surgeons. New Orleans, LA. April 1999. Breakfast Seminar: Endoscopic surgery of the spine.
44. Congress of Neurological Surgeons. Boston, MA. October 1999. Lunch Seminar: Management of thoracolumbar fractures.
45. Karl Storz. Culver City, CA. July 1999. Sales Training/Clinical Education: Spinal instrumentation, sympathectomy, endoscopy for thoracic spine disease, endoscopy for lumbar spine disease.
46. Joint Section of the Spine and Peripheral Nerves pre-meeting. Palm Springs, CA. February 2000. Lumbar instability and fusion: diagnosis, patient selection, treatment options and outcomes.
47. American Association of Neurological Surgeons. San Francisco, CA. April 2000. Breakfast Seminar: Sympathectomy: patient selection, contemporary techniques, and outcomes.
48. American Association of Neurological Surgeons. San Francisco, CA. April 2000. Breakfast Seminar: Stereotactic spinal techniques.
49. American Association of Neurological Surgeons. San Francisco, CA. April 2000. Minimally invasive spinal surgery: hit or M.I.S.S.?
50. Congress of Neurological Surgeons. San Antonio, TX. September 2000. Breakfast Seminar: Management of thoracolumbar fractures.
51. Panelist, Sympathectomy for pain and hyperhidrosis, American Association of Neurological Surgeons, Toronto, Ontario, April 24, 2001.
52. Rocky Mountain Neurosurgical Society, Invited Annual Guest Speaker. Steamboat, CO June 2001.
53. World Congress of Neurosurgery, Sydney, Australia. September 16, 2001. Oral presentation: Thoracoscopic discectomy vs thoracotomy: a comparative study.
54. World Congress of Neurosurgery, Sydney, Australia. September 16, 2001. Oral presentation: Lateral mass plates.
55. Congress of Neurological Surgeons, San Diego, CA. October 1, 2001. Luncheon Seminar: Spinal deformity surgery.

56. Spine Education Summit. Palm Springs, CA, November 16, 2001. Emerging Technology: Thoracoscopic discectomy.
57. Spine Education Summit. Palm Springs, CA, November 17, 2001. Cervical and Miscellaneous: Image guided spinal navigation.
58. 2001 World Congress of Minimally Invasive Spinal Medicine and Surgery, Las Vegas, NV. December 6, 2001. Image guided workshop: Modern image guided and minimally invasive spinal surgery.
59. 1st Annual Spinal Innovations Seminar, Phoenix, AZ. January 12, 2002. Presentation: Advances in minimally invasive surgery.
60. Richard Lende Winter Neurosurgery Conference, Snowbird, UT. February 6, 2002. Presentation: Management of flatback syndrome and kyphotic deformity.
61. Richard Lende Winter Neurosurgery Conference, Snowbird, UT. February 6, 2002. Presentation: Image guided thoracoscopic spinal surgery.
62. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, Feb 28, 2002. Scientific Session I: Contributed papers.
63. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March 1, 2002. Scientific Session III: Cervical spine surgery: state of the art.
64. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, FL, March 2, 2002. Scientific Session IV: Controversies in spine surgery.
65. AO ASIF Continuing Education Seminar. Houston, TX, Mar 2, 2002. Presentation: Surgical treatment options for osteogenic sarcoma.
66. American Association for Neurological Surgeons. Chicago, IL, April 8, 2002. Breakfast Seminar: Recent clinical developments in endoscopic surgery of the spine.
67. St. Charles Medical Center CME Activity. Bend, OR, April 4, 2003. Grand Rounds Series: Imaging guidance in neurosurgery.
68. Center Foundation Educational Meeting. Bend, OR, April 5, 2003. Spine and Sport: Current techniques, evaluation and management: Minimally invasive spine surgery.
69. Center Foundation Educational Meeting. Bend, OR, April 5, 2003. Spine and Sport: Current techniques, evaluation and management: Future directions in spinal surgery.
70. Neurosurgical Society of America. Sunriver, OR, June 11, 2003. Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws.
71. Montana Neurosurgical Symposium. Chico Hot Springs, MT, August 6, 2003. Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws AND Cervical artificial disc replacement.
72. Montana Neurosurgical Symposium. Chico Hot Springs, MT, August 6, 2003. Spinal deformity and the neurosurgeon AND Thoracic spine surgery: techniques and pitfalls.
73. AO ASIF Continuing Education Seminar. Rochester, MN, September 5, 2003. What is the role of preoperative modeling and surgical planning? AND Management of spinal fluid leak.

74. Western Neurological Society. Big Island, HI, September 21, 2003. Posterior atlantoaxial stabilization: a new alternative to C1-2 transarticular screws.
75. Congress of Neurological Surgeons. Denver, CO, October 20, 2003. Luncheon Seminar: Endoscopic spinal surgery: Image guided applications for thoracoscopic surgery.
76. Spine Education Summit. Carlsbad, CA, November 22, 2003. Craniovertebral junction management AND cervical artificial disc.
77. Cedars-Sinai Institute for Spinal Disorders Third Annual Symposium on Current Concepts in Spinal Disorders. La Quinta, CA, February 5, 2004. Artificial disc: cervical AND Results of displacement.
78. Spine Education Summit. Vail, CO, February 22, 2004. Neurologic manifestations of spinal deformity AND image guidance in complex spinal surgery.
79. Joint Section on Disorders of the Spine and Peripheral Nerves. San Diego, CA, March 18, 2004. The changing role of neurosurgeons and deformity surgeons.
80. Joint Section on Disorders of the Spine and Peripheral Nerves. San Diego, CA, March 20, 2004. Management of cervical-thoracic junction kyphotic deformities.
81. Neurosurgical Society of America. Santa Fe, New Mexico, June 9, 2004. Spinal deformity and the neurosurgeon.
82. Rocky Mountain Neurosurgical Society. Olympic Valley, CA, June 15, 2004. Total disc arthroplasty: current update AND spinal deformity and the neurosurgeon.
83. Chilean-North American International Spine Course. Santiago, Chile, August 26, 2004. Thoracic and lumbar applications of spinal endoscopy AND Percutaneous transforaminal endoscopic spine surgery.
84. Western Neurological Society. San Diego, CA, September 14, 2004. Spinal deformity and the neurosurgeon.
85. Richard Lende Winter Neurosurgery Conference. Snowbird, UT, January 29, 2005. Spinal deformity and the neurosurgeon.
86. Richard Lende Winter Neurosurgery Conference. Snowbird, UT, January 29, 2005. Sagittal alignment and the Bryan cervical artificial disc.
87. World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine. Pittsburgh, PA, October 1, 2005. Endoscopic sympathectomy for hyperhidrosis.
88. World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine. Pittsburgh, PA, October 1, 2005. Endoscopic image guided thoracic disc and spinal surgery.
89. International Brain Mapping and Intraoperative Surgical Planning Society. Pasadena, CA, November 19, 2005. Thoracoscopic image guided surgery.
90. Endoscopic Surgical Symposium. Chinese Neurosurgical Society. Beijing Neurosurgical Institute. Beijing, China. October 2006. Image Guided Endoscopic Thoracic Spinal Surgery
91. Spine Education Symposium. Vail, CO, March 2006. XLIF: A Novel Idea or a Dangerous Fad?

92. American Association of Neurological Surgery. Washington, DC, April 19, 2007. Meet the Experts: Cervical-thoracic Spine Surgery.
93. Invited Speaker: Neurosurgical Society of America (NSA): "Spinal Fusion: Overused or Underutilized?", : " Lumbar Fusion Surgery: Indications and Outcomes". Kohler WI, June 6-7, 2007
94. Los Angeles Neurological Society Meeting. "Spine Surgery in the New Millenium". Omni Hotel, Los Angeles, CA, October 17, 2007.
95. Invited Speaker. The Second Annual D.W. Cahill Spine Symposium. "Cervical Arthroplasty- Patient selection, techniques, outcomes and complications avoidance." " Moderator for "Case Discussion Cervical Degenerative Disk Disease" Palm Springs, CA, November 17-18, 2007.
96. AO Spine Meeting. Sun Valley, ID. Feb 22, 2008. Innovations in Adult Scoliosis.
97. "Mesenchymal Stem Cell Application in Treatment of Degenerative Disc Disease". Ghostine S, **Johnson JP**, Gazit D, Soltan M, Smiler D. Loma Linda University Medical Center, Neuroscience Grand Rounds, Loma Linda, CA April 2008
98. "Spinal cord injury- Stem cell treatment strategies". Ghostine S, **Johnson JP**, Keirstead H, Levesque M. Achieving Excellence in the Management and Rehabilitation of Spinal Disorder. Cedars Sinai sponsored conference for continued medical education, Los Angeles, CA September 2008
99. "Spinal cord injury- Pathophysiology and treatment strategies". Ghostine S, **Johnson JP**, Keirstead H, Levesque M, Rehab Conference for Continued Medical Education, Cedar's Sinai, Los Angeles, CA November 2008
100. "Spinal cord injury and stem cells", **Johnson JP**, Ghostine S. Spine conference, Cedars Sinai Spine Center 9th Annual Meeting, Las Vegas, NV January 2009
101. "Use of stem cells in spinal cord injury", Ghostine S, Keirstead H, **Johnson JP**. Advances in Neurology and Neurosurgery, conference for continued medical education, Marina Del Rey, CA February 2009
102. "A Stem Cell Based Treatment for Diseases of Motor Neuron Loss." Ghostine S, **Johnson JP**, Keirstead H. Spine conference for continued medical education, Cedars Sinai, Los Angeles, CA October 2009
103. "Stem cell application for spinal cord injury and spinal muscular atrophy". Ghostine S, **Johnson JP**, Keirstead H. Neurology and Neurosurgery Grand Rounds. Cottage Hospital, Santa Barbara, CA December 2009
104. Apfelbaum 1st Annual Spine Symposium: Department of Neurosurgery, University of Utah School of Medicine, Salt Lake City, UT. Feb 4, 2010. "Motor Neuron Stem Cell Transplantation for Degenerative Spinal Cord Diseases."
105. "Stem Cell and Other Biological Solutions to Spine Pain", Ghostine S, **Johnson JP**, Keirstead H, Combined Physical Medicine, Rehabilitation & Pain Management & Occupational Medicine Symposium, Kaiser Permanente Medical Center, August 14, 2010
106. "Diseases of the Spine and Spinal Cord Treated with Stem Cell Applications", Ghostine S, **Johnson JP**, Keirstead H, Department of Medicine Grand Rounds, UC Irvine Medical Center, August 24, 2010

107. "State-of-the-Art Image Guidance in Spinal Surgery," **Johnson JP** and Kim TT: Asian Spine Society 2010, Seoul Korea, Sept 9-11, 2010
108. Congress of Neurological Surgery, Complications in Spinal Surgery: When Bleeding Doesn't Stop" San Francisco, CA, Oct 17, 2010
109. Expandable TLIF Devices, Cedars Sinai 11th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 2-4, 2012.
110. Far Lateral Disc Herniations: Management of Lumbar Disc Disease Luncheon Seminar. Congress of Neurological Surgery, Chicago IL, October 23, 2014.
111. A Spine Surgeon's Perspective on Pain Management, Cedars Sinai 13th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 2, 2014.
112. The Biology of Minimally Invasive Spine Fusion. 4th World Congress Minimally Invasive Spine Surgery. Paris, France, June 14, 2014.
113. Pearls and Pitfalls of Image Guidance. One Spine Master's Course: Seattle Science Foundation, Swedish Neuroscience Institute, Seattle, WA, June 27, 2014.
114. Cervical Deformity Correction with Posterior Osteotomies. Cedars Sinai 14th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, January 30, 2015.
115. Image Guidance Everything! Spinal Image Guided Surgery Luncheon Seminar. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL 15 Mar 2016.
116. Cervical Spondylotic Myelopathy. 37th Annual Orthopedic Symposium. Emerging Techniques in Spine Reconstruction: Evidence Based Care, Loma Linda, CA Mar 5, 2017.
117. Disasters in Spinal Navigation. Emerging Technologies in Spine Surgery Symposium, Eurospine September 18, 2018 Barcelona, Espana
118. Expanded Indications of Spinal Navigation, NASS, Los Angeles, CA, Sept 28, 2018
119. Image Guidance Spinal Deformity, Spinal Navigation Course, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Miami, FL 14 Mar 2019.

TEACHING CONFERENCES AND SYMPOSIA

COURSE DIRECTOR/CO-DIRECTOR

1. Course Co-Director, UCLA Cervical Spine Stabilization Symposium and Cadaver Workshop, January 30-31, 1993.
2. Course Director, UCLA Endoscopic Lumbar Discectomy Symposium and Hands-on Cadaver Workshop, May 27, 1995.
3. Course Director, UCLA Pedicle Screw Fixation Update and Hands on Cadaver Workshop, August 26, 1995.
4. Course Co-Director, Thoracoscopic Spinal Surgery Cadaver Course, Congress of Neurosurgery, Montreal, Canada, September 29, 1996.
5. Course Co-Director, Advances in Neurosciences and Spinal Surgery International Symposium, Miami, FL, July 29, 1997.
6. Course Director, UCLA Clinical Symposium Minimally Invasive Thoracoscopic Spinal Surgery, Los Angeles, CA, May 26, 1999.
7. Symposium Chairman, Advances in minimally invasive lumbar spine surgery, North American Spine Society, Chicago, IL, October 22, 1999.
8. Program Director, Spodylo Summit for Spinal Surgery, Adamants, British Columbia, Canada, April 20-27 2000.
9. Course Director, FIENS/WFNS Cervical Spine Instrumentation, Tegucigalpa, Honduras, November 11-12, 2000.
10. Co-moderator, North American Spine Society, Concurrent Session I: Graft Substitutions, Seattle, Washington, November 3, 2001.
11. Course Co-Director, Cedars Sinai First Annual Symposium on Current Concepts in Spinal Disorders, La Quinta, CA, February 2002.
12. Course moderator, American Association of Neurological Surgeons, Breakfast Seminar: Treatment of complex regional pain syndrome and hyperhidrosis, Chicago, IL, April 10, 2002.
13. Course moderator, Congress of Neurological Surgeons, Luncheon Seminar: Management strategies for thoracolumbar fractures, Philadelphia, PA, September 23, 2002.
14. Course Co-Director, Cedars Sinai Second Annual Symposium on Current Concepts in Spinal Disorders, La Quinta, CA, February 2003.
15. Course Moderator, American Association of Neurological Surgeons, Breakfast Seminar: Treatment of complex regional pain syndrome and hyperhidrosis, San Diego, CA, April 30, 2003.
16. Course Moderator, Spine Education Summit, Trauma Session, Carlsbad, CA, November 2003.
17. Course Co-Director, Cedars Sinai Third Annual Symposium on Current Concepts in Spinal Disorders, La Quinta, CA, February 2004.
18. Course Moderator, Third Annual Symposium on Current Concepts in Spinal Disorders, Managing Back Pain, La Quinta, CA, February 2004.

19. Course Moderator, Joint Section on the Disorders of the Spine and Peripheral Nerves, Scientific Sessions IV: David Cahill Memorial Controversies, San Diego, CA, March 2004.
20. Course moderator, NASS Spring Break, Discussion II: Reimbursements, Contracts, Cost Shifting...Where are we healed?, Boca Raton, FL, April 2004.
21. Course moderator, American Association of Neurological Surgeons, Breakfast Seminar: Treatment of complex regional pain syndrome and hyperhidrosis, Orlando, FL, May 2004.
22. Course Co-Director, Cedars Sinai Fourth Annual Symposium on Current Concepts in Spinal Disorders, Lake Las Vegas in Henderson, NV, February 3-4, 2005.
23. Course Co-Director, NASS Spring Break, Anterior Cord Compression with Cervical Spondylotic Myelopathy- Single Level, Bal Harbour, FL, April 2005.
24. Course Moderator, American Association of Neurological Surgeons, Breakfast Seminar: Treatment of complex regional pain syndrome and hyperhidrosis, New Orleans, LA, May 2005.
25. Special Interest Poster Presentation Co-Moderator, North American Spine Society, Session on Novel Technology, Philadelphia, PA, September 2005.
26. Breakfast with Instructors, World Congress for Endoscopic Surgery of the Brain, Skull Base and Spine, Pittsburgh, PA, October 2005.
27. Course Co-Director, Cedars Sinai Fifth Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 3-4, 2006.
28. Course Co-Director, Jamaican Neurosurgical Society, Current Concepts in Spinal Surgery, Kingston, Jamaica, October 2006
29. Course Co-Director, Cedars Sinai Sixth Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, March 1-3, 2007.
30. Course Director: Motion Preservation Seminar. Western Neurological Society Meeting: Spine Seminar. Mauna Loa, HI, September 7-11, 2007.
31. Co-Chairman, The Second Annual D.W. Cahill Spine Symposium. Palm Springs, CA, November 17-18, 2007.
32. Course Co-Director, Cedars Sinai Seventh Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 1-2, 2008.
33. Course Co-Chairman, Cedars Sinai Neuroscience Program, Marina del Rey, CA, 2008.
34. Course Co-Director, Cedars Sinai Eighth Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 6-7, 2009.
35. Course Co-Director, Cedars Sinai Ninth Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 4-6, 2010.
36. Luncheon Session Moderator, Congress of Neurological Surgeons: Management of Thoracic Disc Herniation, Recurrent Lumbar Disc Herniation, and Far Lateral Lumbar Disc Herniation, Chicago, IL, October 12, 2012.

37. Luncheon Session Moderator, Congress of Neurological Surgeons: Management of Thoracic Disc Herniation, Recurrent Lumbar Disc Herniation, and Far Lateral Lumbar Disc Herniation, San Francisco, CA, October 23, 2013.
38. Course Co-Director, World Congress Minimally Invasive Spine Surgery. Paris, France, June 11-14, 2014.
39. Course Co-Director, Cedars Sinai Fourteenth Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, January 30-February 1, 2015.
40. Course Co-Director, Cedars Sinai 15th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV, February 4-6, 2016.
41. Course Co-Director, Swedish Neuroscience Foundation, 1st Annual Spinal Navigation, Emerging Technologies and Systems Integration (SNETSI), Seattle, WA, December 6, 2016.
42. Course Director Cedars-Sinai Spine Center 16th Annual Symposium Current Concepts in Spinal Disorders. Caesar's Palace Hotel, Las Vegas, NV, February 2-4, 2017.
43. Course Co-Director, Hands-On Spinal Navigation Symposium. Image Guidance Spinal Surgery. Joint Spine Section Meeting of CNS/AANS, Las Vegas, NV, Mar 8, 2017
44. Course Co-Director, Spine Navigation and Emerging Technologies, Annual Meeting of the Spine Section of the German Society for Neurosurgery (DGNC) Sept 22, 2017 Munich, Germany
45. Course Co-Director, Swedish Neuroscience Foundation, 2nd Annual Spinal Navigation, Emerging Technologies and Systems Integration (SNETSI), Seattle, WA, December 8, 2017
46. Course Director, Cedars-Sinai Spine Center 17th Annual Symposium Current Concepts in Spinal Disorders. The Cosmopolitan Hotel, Las Vegas, NV, February 8-10, 2018.
47. Course Co-Director, Swedish Neuroscience Foundation, 3rd Annual Spinal Navigation, Emerging Technologies and Systems Integration (SNETSI), Seattle, WA, November 3, 2018.
48. Course Co-Director, Emerging Technologies in Spine Surgery, Eurospine September 18, 2018 Barcelona, Espana
49. Course Director, Cedars-Sinai Spine Center 18th Annual Symposium Current Concepts in Spinal Disorders. The Cosmopolitan Hotel, Las Vegas, NV, February 7-9 2019.

COURSE FACULTY MEMBER

1. Faculty, Thoracic and Lumbar Stabilization Techniques, Joint Spine Section Meeting of CNS/AANS, Phoenix, AZ, Feb 1995
2. Faculty, Thoracolumbar Instrumentation Hands-On Course, Congress Of Neurological Surgeons, San Francisco, CA, Oct 1995.
3. Faculty, Lumbosacral Fixation Techniques Hands-On Course, Joint Spine Section Meeting of AANS/CNS, Orlando, FL, Feb 1996
4. Faculty, Thoracic and Lumbar Stabilization Techniques Hands-On Course, American Association of Neurological Surgeons, Minneapolis, MN, Apr 1996.

5. Faculty, Management of Thoracolumbar Fractures, American Association of Neurological Surgeons, Minneapolis, MN, Apr 1996.
6. Faculty, Lumbosacral Stabilization Hands-On Course, Congress of Neurological Surgeons, Montreal, Canada, Sept 1996.
7. Faculty, Thoracolumbar Fixation Hands-On Course, Congress of Neurological Surgeons, Montreal, Canada, Sept 1996.
8. Faculty, Lumbosacral Instrumentation and Fusion, Congress of Neurological Surgeons. New Orleans, LA. September 28, 1997.
9. Faculty, Thoracoscopic Spine Surgery, Congress of Neurological Surgeons. New Orleans, LA. September 28, 1997.
10. Faculty, Spinal Stereotaxis Workshop, Congress of Neurological Surgeons, New Orleans, LA, September-October 1997.
11. Faculty, Posterior Thoracolumbar Instrumentation and Fusion, Congress of Neurological Surgeons, New Orleans, LA, September 28, 1997.
12. Faculty, Cervical Stabilization Course, Peruvian Neurosurgical Society, Lima, Peru, November 12, 1997.
13. Course Faculty, Thoracoscopic Sympathectomy Course, Mount Sinai Hospital, New York, New York, December 11-14, 1997.
14. Course Faculty, Stereotactic spine surgery: techniques and applications, American Association of Neurological Surgeons, Philadelphia, PA, April 26, 1998.
15. Course Faculty, Thoracic and lumbar stabilization techniques, American Association of Neurological Surgeons, Philadelphia, PA, April 26, 1998.
16. Course Faculty, Lumbar interbody fusion and interbody techniques, American Association of Neurological Surgeons, Philadelphia, PA, April 26, 1998.
17. Course Faculty, Thoracoscopic and laparoscopic approaches to the thoracolumbar spine, Congress of Neurological Surgeons, Seattle, WA, October 3, 1998.
18. Course Faculty, Minimally invasive spinal surgery, Congress of Neurological Surgeons, Seattle, WA, October 3, 1998
19. Course Faculty, Cervical spine instrumentation, Congress of Neurological Surgeons, Seattle, WA, October 3, 1998.
20. Course Faculty, Neurosurgical navigation-spinal, Congress of Neurological Surgeons, Seattle, WA, October 4, 1998.
21. Course Faculty, Stereotaxis: spinal navigation, Congress of Neurological Surgeons, Seattle, WA, October 4, 1998.
22. Course Faculty, Lumbosacral instrumentation and fusion: cages, dowels and screws, Congress of Neurological Surgeons, Seattle, WA, October 4, 1998.

23. Course Faculty, Surgical lead and anatomy review, Interventional Therapies Workshop Labs, Memphis, TN, January 15, 1999.
24. Course Faculty, Advanced Surgical Techniques, Interventional Therapies Workshop Labs, Memphis, TN, January 16, 1999.
25. Course Faculty, Cervical Spine, American Association of Neurological Surgeons, New Orleans, LA, April 24, 1999.
26. Course Faculty, Stereotactic spine surgery: techniques and applications, American Association of Neurological Surgeons, New Orleans, LA, April 25, 1999.
27. Course Faculty, Thoracic and lumbar stabilization and fusion, American Association of Neurological Surgeons, New Orleans, LA, April 25, 1999.
28. Course Faculty, Endoscopy of the "Adult" neurosurgeon, American Association of Neurological Surgeons, New Orleans, LA, April 25, 1999.
29. Course Faculty, Surgical exposure, decompression, stabilization of the cervical spine, American Association of Neurological Surgeons, New Orleans, LA, April 25, 1999.
30. Course Faculty, Image guided spinal navigation, Congress of Neurological Surgeons, Boston, MA, October 30, 1999.
31. Course Faculty, Cervical spine stabilization, Congress of Neurological Surgeons, Boston, MA, October 30, 1999.
32. Course Faculty, Thoracoscopic spinal surgery, Congress of Neurological Surgeons, Boston, MA, October 30, 1999.
33. Course Faculty, Advanced management of the cervical spine, Depuy-Acromed Education Symposium, Chicago, IL, September 17, 1999.
34. Course Faculty, Neurosurgery review by case management: oral board preparation, American Association of Neurological Surgeons, Houston, TX, November 15-16, 1999.
35. Course Faculty, Advanced technique in image guided neurosurgery: an intensive review and prospects for the millennium, Mt. Sinai Hospital Symposium, New York, NY, December 10, 1999.
36. Course Faculty, Craniovertebral junction lesions, Education Design "Big Time Spine", Keystone, CO, January 30, 2000.
37. Course Faculty, Odontoid fracture treatment, Education Design "Big Time Spine", Keystone, CO, January 30, 2000.
38. Course Faculty, Cervical spine trauma, Education Design "Big Time Spine", Keystone, CO, January 30, 2000.
39. Course Faculty, Stereotactic spine surgery: techniques and applications, American Association of Neurological Surgeons, San Francisco, CA, April 8, 2000.
40. Course Faculty, Spinal endoscopic techniques, American Association of Neurological Surgeons, San Francisco, CA, April 8, 2000.
41. Course Faculty, Thoracic and lumbar stabilization and fusion, American Association of Neurological Surgeons, San Francisco, CA, April 8, 2000.

42. Course Faculty, First Russian-American Cervical Spine Seminar, St. Petersburg, Russia, May 20, 2000.
43. Course Faculty, Cervical spine stabilization, Congress of Neurological Surgeons, San Antonio, TX, September 23, 2000.
44. Course Faculty, Image guided spinal navigation, Congress of Neurological Surgeons, San Antonio, TX, September 23, 2000.
45. Course Faculty, Thoracoscopic spinal surgery, Congress of Neurological Surgeons, San Antonio, TX, September 24, 2000.
46. Course Faculty, Neurosurgery review by case management: oral board preparation, American Association of Neurological Surgeons, Houston, TX, November 3-7, 2000.
47. Course Faculty, Thoracic and lumbar stabilization and fusion, American Association of Neurological Surgeons, Toronto, Ontario, April 22, 2001.
48. Course Faculty, Interactive image guided spinal and cranial surgery, American Association of Neurological Surgeons, Toronto, Ontario, April 22, 2001.
49. Course Faculty, Neuroscience Symposium 2001: Contemporary management of spinal trauma and spinal cord injury, Bakersfield, CA, July 1, 2001.
50. Course Faculty, Thoracoscopic spinal surgery, Congress of Neurological Surgeons, San Diego, CA, September 30, 2001.
51. Course Faculty, MIS Fusion, Nuvasive meeting, San Diego, CA, June 30, 2001.
52. Course Faculty, Contemporary Management of Spinal Trauma and Spinal Cord Injury, Bakersfield Neuroscience Symposium, July 1, 2001.
53. Course Faculty, Cervical spine stabilization, Congress of Neurological Surgeons, San Diego, CA, September 29, 2001.
54. Course Faculty, Image guided spinal navigation, Congress of Neurological Surgeons, San Diego, CA, September 29, 2001.
55. Course Faculty, Thoracoscopic spinal surgery, Congress of Neurological Surgeons, San Diego, CA, September 30, 2001.
56. Course Faculty, Spine Education Summit, Palm Springs, CA, November 15-18, 2001.
57. Course Faculty, Innovations in spinal fixation: an advanced course, American Association of Neurological Surgeons, Memphis, TN, July 27-28, 2002.
58. Course Faculty, Image guided spinal navigation, Congress of Neurological Surgeons, Philadelphia, PA, September 22, 2002.
59. Course Faculty, Anterior cervical spine stabilization, Congress of Neurological Surgeons, Philadelphia, PA, September 22, 2002.
60. Course Faculty, 2nd Annual advanced techniques in cervical and thoracolumbar fusion, Health Stream, Snowbird, UT, March 26-29, 2003.

61. Course Faculty, Innovations in spinal fixation: an advanced course, AANS, Memphis, TN, July 25-27, 2003.
62. Course Faculty, Emerging technologies in lumbar fusion, CNS, Denver, CO, October 19, 2003.
63. Course Faculty, Endoscopic spinal surgery, CNS, Denver, CO, October 20, 2003.
64. Course Faculty, Spine Education Summit, Carlsbad, CA, November 20-22, 2003.
65. Course Faculty, Spine Education Summit, Vail, CO, February 19-22, 2004.
66. Course Faculty, Joint Section/SRS Thoracolumbar Deformity Session, Joint Section on Disorders of the Spine and Peripheral Nerves, San Diego, CA, March 17-20, 2004.
67. Course Faculty, Practical Course: Interactive image guided spinal surgery, American Association of Neurological Surgeons, April 30 to May 3, 2004.
68. Course Faculty, Fusion to L4, L5 or the sacrum AND Fixed coronal deformity. AO ASIF Spine Deformity Symposium. Annapolis, MD, July 24-25, 2004.
69. Course Faculty, Revisions of cylindrical screw-in cages AND Degenerative spondylolisthesis: the case AGAINST instrumentation, Controversies in Lumbar Spine Surgery. New Orleans, LA, July 29-31, 2004.
70. Invited Faculty Panelist and Speaker. Current Concepts in Emerging Technologies in Spine Symposium. Breakout Session #4 Thoracolumbar Trauma Case Presentations and "XLIF Good Idea or Dangerous Shortcut". Vail CO, February 18-21, 2007.
71. Course Faculty/Director Cedars-Sinai Institute for Spinal Disorders Annual Symposium Community Lecture; "Back Pain and Spinal Disorders". Mandalay Bay Hotel South Convention Center, Las Vegas, NV, March 1, 2007.
72. Course Faculty, Cedars-Sinai Medical Center Symposium "Medical and Surgical Approach to Spine Disease and Spine Deformity in Ankylosing Spondylitis. Cedars-Sinai Medical Center, Los Angeles, CA, March 24, 2007.
73. Course Faculty, Practical Course: Thoracic and lumbar stabilization and fusion: indications and complications. American Association of Neurological Surgeons, San Francisco, CA, April 22, 2006.
74. Course Faculty, Practical Course: Thoracic and lumbar stabilization and fusion: indications and complications. American Association of Neurological Surgeons, Washington, DC, April 15, 2007.
75. Invited Faculty for Depuy Spine 4th Annual; Pre-Fellowship Bioskills Workshop". Las Vegas NV, April 26-28 2007.
76. Invited Faculty for Medtronic Inc., "Prestige ADR Arthroplasty Course". San Diego CA, August 3-4, 2007.
77. Course Director Cedars-Sinai Spine Center 15th Annual Symposium Current Concepts in Spinal Disorders. Cosmopolitan Hotel, Las Vegas, NV, February 5-7, 2015.
78. Course Director Cedars-Sinai Spine Center 15th Annual Symposium Current Concepts in Spinal Disorders. Caesar's Palace Hotel, Las Vegas, NV, February 4-6, 2016.

79. Course Director Cedars-Sinai Spine Center 16th Annual Symposium Current Concepts in Spinal Disorders. Caesar's Palace Hotel, Las Vegas, NV, February 4-6, 2017.
50. Course Faculty, Spine Navigation and Emerging Technologies, Annual Meeting of the Spine Section of the German Society for Neurosurgery (DGNC) Sept 22, 2017 Munich Germany
80. Course Faculty, Emerging Technologies in Spine Surgery, Eurospine September 18, 2018 Barcelona, Espana
81. Course Faculty, NASS 2018, Expanded Indications of Spinal Navigation, NASS, Sept 28, 2018 Los Angeles, CA
82. Image Guidance Spinal Deformity, Spinal Navigation Course, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Miami, FL 14 Mar 2019.

SPINE FELLOWS TRAINED

Jon S. Citow, MD (Illinois NS) 1993-94 (Assoc. Professor NS, University Illinois)
Roland A. Torres, MD (UC Davis NS) 1994-95 (Assoc. Professor NS, Stanford University)
Fernando Silva, MD (Loma Linda NS)1995
Apurva Bhatt, MD (NS) 1995-96
Aaron G. Filler, MD (Washington NS)1995-96 Dept NS, Cedars Sinai Medical Center)
George A. Alsina, MD (Northwestern NS)1996-1997
Laura S. Paré, MD (Montreal Neurologic NS) 1996-1997 (Assoc. Professor NS UC-Irvine)
William Choi, MD (Montreal Neurologic NS 1997) (Asst Professor NS University of Colorado)
Jeffery E. Masciopinto, MD (Wisconsin NS)1997-1998 (Chair, Dept of Neurosurgery, Dean Clinic)
Kee D. Kim, MD (UC Davis NS) 1997-1998 (Assoc. Professor NS UC-Davis)
Michael S.Hahn, MD (Med Coll NY NS) 1998-1999
Chinyere Obasi, MD (Western Ontario NS) 1999-2000
Jon Park, MD (Montreal Neurologic NS) 1999-2000 (Assoc. Professor NS, Stanford University)
Neill M. Wright, MD (Wash U NS) 2000-2001 (Assoc. Professor NS, Washington University)
Naresh P. Patel, MD (Mt Sinai NS) 2000-2001 (Assoc. Professor NS, Mayo Clinic)
Jae Lim, MD (UCLA NS) 2000-2001
John K. Stokes, MD (UNC NS) 2001-2002
Paul C. Liu, MD (OS) 2001-2002
Alan T. Villavicencio, MD (Duke NS) 2001-2002
F. Clifford Roberson, MD (MCV NS) 2001-2002
Darren Bergey, MD (Loma Linda OS) 2002-2003 (Asst. Professor OS, Loma Linda University)
Mark Wolgin, MD (UCLA OS) 2002-2003
Firooz Amjadi, MD (OS) 2002-2003
Ali Abazari, MD (NS) 2002-2003 Chief of Neurosurgery, Kaiser Fontana, CA
Karin Swartz, MD (Wisconsin NS) 2003-2004 (Asst. Professor NS, University of Kentucky)
Saad Khairi, MD (UNC NS) 2003-2004 (Asst Professor NS, University of Indiana)
Chris Lycette, MD (UCLA NS) 2003-2004
Hamid Miraliakbar, MD (OS) 2003-2004
S. Craig Meyer, MD (Missouri OS) 2003-2004
Toki Oyelese, MD (Stanford NS) 2004-2005 (Asst. Professor NS, Brown University)
Khawar Siddique, MD (Illinois NS) 2004-2005 (Dept NS, Cedars Sinai Medical Center)
John Hamilton, MD (Henry Ford NS) 2004-2005
Hooman Melamed, MD (Pitt OS) 2004-2005
Brian Perri, DO (Penn State OS) 2004-2005 (Dept Surgery OS, Cedars Sinai Medical Center)
Anthony Hadden, MD (Loma Linda NS) 2005-2006
Tooraj Gravori, MD (UCLA NS) 2005-2006
Edward Rustamzadeh, MD (Minnesota NS) 2005-2006 (Asst. Professor NS, Stanford University)
Mukesh Misra, MD (NS) 2005
Justin Paquette, MD (Tufts NS) 2005-2006
Stepan Kasimian, MD (USC OS) 2005-2006
Eli Baron, MD (Temple NS) 2006-2007 (Assoc Prof, NS, Cedars Sinai Medical Center)

Kevin Ammar, MD (UAB NS) 2006-2007
Ramin Rabbani, MD (Med Coll NY OS) 2006-2007
Samer Ghostine, MD (Loma Linda NS 2006-2007) (Assoc Professor NS, Chairman UC Riverside)
Curt Freudenberger MD (Colorado OS) 2007-2008
Richard Wupperman MD (Vanderbilt OS) 2007-2008
Thai “ Ty” Thaiyanathan MD (Yale NS) 2007-2008 (Asst Professor NS, UC Irvine)
Paul Salinas, MD (Texas-Galveston NS) 2008-2009
Scott Schoeb, MD (Columbia Univ OS) 2008-2009
Terrence Kim, MD (U Maryland OS) 2008-2009 (Dept Surgery OS, Cedars Sinai Medical Center)
Samer Ghostine, MD (Loma Linda NS) 2008-2009 (Assoc Professor NS, Chairman UC Riverside)
Stephen Scibelli, MD (Wake Forest NS) 2009-2010
Kamal Woods, MD (Loma Linda NS) 2009-2010 (Asst Professor NS, Loma Linda University)
Michael Turner, MD, PhD (Chicago NS) 2010-2011
Joseph Hsieh, MD PhD (Chicago NS) 2011-2012 (Asst Prof NS, Univ Texas, Houston TX)
Ali Shirzadi, MD (Texas-Galveston/Cedars Sinai NS) 2011-2012
Harvinder Bedi, MD (OS) 2011-2012
Mohammed Khan DO (NS) 2011-2012
Phillip Rosenthal, MD (UCSF NS) 2012-2014
Sunil Jeswani, MD (Cedars Sinai NS) 2013-2014 (Asst Prof NS, UC San Diego)
Julian Mattiello, MD PhD (Chicago/Temple NS) 2014-2015
Andrea Simmonds, MD Univ British Columbia, Canada OS), 2014-2015
Zeeshan Sarder, MD (McGill University OS) 2014-2015
Jason Cuellar MD PhD (Stanford Univ OS) 2015-16 (Asst Prof OS, Cedars Sinai)
Justin Millard MD (University of the Caribbean OS) 2015-16
Paula Eboli MD University of Buenos Aires, Argentina NS) 2015-2016 (Asst Prof NS Cedars Sinai)
Victor Lo MD (Univ Texas NS) 2016-2017 (Asst Prof NS U Texas Houston)
Chris Kong MD (Univ British Columbia, Canada OS) 2016-2017 (Asst Prof OS, Cedars Sinai)
Jared Ament MD (UC Davis NS) 2016-2017
Ajit Jada MD (Montefiore NS) 2017-2018 (Asst Prof NS, Rothman Inst. Philadelphia PA)
Saqib Hasan MD (NYU OS) 2017-2018
Michael McGinity MD (U Texas San Antonio NS) 2018-2019 (Asst Prof NS, UT Texas San Antonio)
Alysha Alyan MD (Cedars Sinai OS) 2018-2019
Robert Ravinsky MD (U Toronto OS) 2018-2019
Lindsey Ross MD (Cedars Sinai NS) 2018-present
Blake Burkert MD OS 2018-present
Robert Ryu MD OS 2018-present

INTERNATIONAL FELLOWS TRAINED

William Choi, MD 1995-1997 (Montreal Neurologic Institute, Montreal, Canada)
Laura S. Paré, MD 1996-1997 (Montreal Neurologic Institute, Montreal Canada)
Alfredo Fuentes-Davila MD 1997-1998 (University of Lima, Chief of Neurosurgery, Lima, Peru)
Chinyere Obasi MD, 1999-2000 (University of Western Ontario, London, Ontario)
Jon Park, MD 1999-2000 (Montreal Neurologic Institute, Montreal, Canada)
Nikolay Konovolov MD 2000-2001 (Burdenko Neurosurgical Institute, Moscow, Russia)
Vadim Bikmullin MD 2001-2002 (St Petersburg Neurosurgery Institute, St Petersburg, Russia)
Goksel Sali MD 2016 (Akdeniz University, Antalya, Turkey)
Andrea Simmonds, MD 2014-2015 (Univ British Columbia, Canada OS)

Zeeshan Sarder, MD 2014-2015	(McGill University, Montreal, Canada OS)
Paula Eboli MD 2015-2016	(University of Buenos Aires, Argentina NS)
Chris Kong MD 2016-2017	(Univ British Columbia, Canada OS)
Robert Ravinsky MD 2017-present	(U Toronto, Canada OS)

THESIS ADVISOR

Paul Medin, Ph. D candidate, Conferred - 1998

Minimally invasive methods for fractionated treatment of spinal malignancies with LINAC stereotactic radiation therapy

PATENTS

Dynamic (sliding) thoracolumbar spinal plating system

US Patent application #56865657 pending

Polyaxial anterior cervical plating system

US Patent Pending

TECHNICAL CONSULTING

Spine Wave Inc. 2003-2010

Flexuspine 2005-2010

ALPHATEC Inc. 2007-2010

Pioneer Medical, 2005-2010

Johnson and Johnson, ad hoc

Medtronic, ad hoc

PAST TECHNICAL CONSULTING

Johnson & Johnson, Inc., Raynham MA, Spinal technical development, 2001-2005

Depuy-Motech Inc., Wabash, IN; Development of Polyaxial Cervical Spinal Instrumentation System, 1996-2001.

Grumman-Northrup International, Pico Rivera, CA, Development of Surgical Simulation for Neurosurgical Training, 1996-1998.

American Biomedical Inc., Orange, CA, Development of Minimally Invasive Spinal Dissector, 1996.

Radionics Inc., Burlington, MA, Development of Spinal Stereotaxis, 1997-2001.

INTERNATIONAL PUBLIC SERVICE/VOLUNTEER PROGRAMS

Eurospine
October 2018
Barcelona, Espana

German Neurosurgical Society
Sept 2017
Munich Germany

4th World Congress Minimally Invasive Spine Surgery
June 2014.
Paris, France

Asian Spine Society 2010
Sept 2010
Seoul Korea

Health Volunteers Overseas – (HVO)-Orthopaedics
October 2008
Sianhouk Hospital
Pnohm Penh, Cambodia

Landstuhl Regional Medical Center (US Army Hospital)
Red Cross Physicians
March 2006 and 2008
Landstuhl, Germany

Chinese Neurosurgical Society
Beijing Neurosurgical Institute
October 2006
Beijing, China.

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
October 2005
Trujillo, Peru

Chilean-North American International Spine
August 2004
Santiago, Chile

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
Date May 2002
Lima, Peru

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
May 2002
Arequipa, Peru

World Congress of Neurosurgery
Spine Symposium Organizer
September 2001
Sydney, Australia..

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
May 2001
Santiago, Chile

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
November 2000
Tegucigalpa, Honduras

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
April 2000
St Peterburg, Russia

Foundation for International Education for Neurosurgery (FIENS)
International Surgeon Education Program
Sept 1998
Lima, Peru

Clinica las Condes
International Surgeon Education Program
June 1998
Santiago, Chile.

Latin American Congress of Neurosurgery
October 1998
Santiago, Chile

Congress of Peruvian Neurosurgery
November 1997
Lima, Peru

Sejong University, Korean Neurological Society and Yonsei University Hospital Spine Education
Symposia
October 1997
Seoul, Korea

Chilean Neurosurgical Congress
November 23, 1996
Vina del Mar, Chile

Clinica Las Condes
International Surgeon Education Program
November 25, 1996
Santiago, Chile

Society of Peruvian Neurosurgery and Society of Peruvian Spinal Surgery
International Surgeon Education Program
August 1996
Lima, Peru

Congress of Peruvian Neurosurgery
October 1995
Lima, Peru

Asian-Oceanian International Congress on Skull Base Surgery
June 1991
Tokyo, Japan

INTRAMURAL LECTURES AND CONFERENCES

1. Subdural Empyema and Epidural Abscess. UCLA Neurosurgery Grand Rounds, 7 Sept 1988.
2. Hypothalamic Hamartomas. UCLA Neurosurgery Grand Rounds, 5 Oct 1988.
3. Pediatric Head Injuries and Child Abuse. UCLA Neurosurgery Grand Rounds, 10 Nov 1988.
4. Echinococcal Infections in the CNS. UCLA Neurosurgery Grand Rounds, 14 June 1989.
5. Spinal Extradural Cysts. UCLA Neurosurgical Grand Rounds, 18 Oct 1989.
6. Management of Hyponatremia in Neurosurgical Patients. UCLA Neurosurgery Grand Rounds, 1 Nov 1989.
7. Cerebral Blood Flow Determination Methods in the Neurosurgical ICU. Neurosurgical ICU Conference, 31 Jan 1990.
8. CNS Lymphoma. UCLA Neurosurgery Grand Rounds, 14 Feb 1990.
9. Management of AICA Aneurysms. UCLA Neurosurgery Grand Rounds, 7 March 1990.
10. Medical Ethics/Life Support. UCLA Neurosurgery Grand Rounds. JPJ and Leslie Rothenberg, JD, 28 Mar 1990.
11. Clival Chordomas. UCLA Neurosurgery Grand Rounds, 18 April 1990.
12. Management of Sagittal Sinus Thrombosis. UCLA Neurosurgery Grand Rounds, 16 May 1990.
13. Neurology and Neurosurgery at Queen Square. UCLA Neurosurgery Grand Rounds, 22 January 1991.
14. Neurosurgical Management of Degenerative Cervical Spine Disease. Sepulveda VA Neurology Conference, 12 Feb 1991.
15. Management of Spinal Epidural Abscesses. Medical Grand Rounds, Wadsworth VA Hospital, 22 Feb 1991.
16. Neurosurgical Management of Metastatic Brain Tumors. UCLA Neurosurgery Grand Rounds, 20 March 1991.
17. Midface Degloving Approach to Clival Chordomas. Cranial Base Surgical Dissection Course, UCLA Medical Center, 12-13 Sept 1991.
18. Neurosurgical Management of Degenerative Cervical Spine Disease, Harbor/UCLA Neurology Grand Rounds, 27 Sept 1991.
19. Craniocerebral Gunshot Wounds. UCLA Neurosurgery Grand Rounds, 9 Oct 1991.
20. Brain Tumors From Disordered Embryogenesis. UCLA Neurosurgery Grand Rounds, 11 Dec 1991.
21. Hearing Preservation in Acoustic Neuromas, UCLA Neurosurgery Grand Rounds 7 Oct 1992.
22. Cervical Spinal Fusion, UCLA Neuroscience Grand Rounds, 16 Dec 1992.

23. Live Transoral Operative Demonstration of Rheumatoid Odontoid Resection, UCLA Cervical Spine Workshop, 19 Jan 1993.
24. Transnasal-Transmaxillary (Midface Degloving) Exposure of the Sella and Clivus, UCLA Cranial Base Surgical Workshop, 23 Jan 1993.
25. New Technique of Anterior Cervical Interbody Fusion, UCLA Neurosurgery Grand Rounds, 17 Feb 1993.
26. Neurosurgical Management of Metastatic Brain Tumors, UCLA Third Year Medical Students, July 7, 1993.
27. Indications for Internal Fixation and Fusion of the Lumbar Spine, UCLA Clinical Neurosurgical Symposium. 26 Jan 1994.
28. Management of Metastatic Cancer of the Spine, UCLA Clinical Neurosurgical Symposium, Oct 19, 1994.
29. Surgical Management of Metastatic Spinal Lesions, UCLA Oncology Grand Rounds, Nov 15, 1995.
30. Thoracoscopic Sympathectomy for Autonomic Disorders, UCLA Neurology Grand Rounds, Jan 17, 1996.
31. Cauda Equina Syndrome: Diagnosis and Management. UCLA Neurology Chief of Service Rounds, Nov 1, 1996.
32. Minimally Invasive Spinal Surgery. UCLA Surgery Grand Rounds, Dec 10, 1997.
33. Minimally Invasive Spinal Surgery. UCLA Surgery Grand Rounds, Jun 3, 1998.
34. Cervical and lumbar microdiscectomy. SM-UCLA In-service lecture, Aug 24, 1998.
35. Image guided surgery. UCLA Neurosurgery Grand Rounds, Nov 18, 1998.
36. Minimally invasive spinal surgery. UCLA Surgery Grand Rounds, Dec 2, 1998.
37. Spinal cord compression and treatment. UCLA Radiology Resident Rounds, Jan 11, 1999.
38. Minimally invasive spinal surgery. UCLA Neurosurgery Resident Rounds, April 9, 1999.
39. Minimally invasive thoracoscopic spinal surgery. Course Director, UCLA Neurosurgery Grand Rounds, May 26, 1999.
40. Image guided thoracoscopic discectomy. Cedars Sinai Department of Surgery Grand Rounds, May 10, 2002.
41. The new frontier: artificial cervical disc replacement. Cedars-Sinai Institute for Spinal Disorders Spine Conference, April 16, 2003.
42. Techniques and outcomes for cervical artificial disc. Cedars-Sinai Institute for Spinal Disorders Back Pain Conference Community Lecture, October 9, 2004.
43. Techniques and outcomes for cervical artificial disc replacement. Cedars-Sinai Institute for Spinal Disorders Back Pain Conference Community Lecture, Las Vegas, NV, February 10, 2005.

44. Spine Surgery in the New Millenium: Department of Neurosurgery Grand Rounds, Cedars Sinai Medical Center, July 27, 2007
45. Spine Surgery in the New Millenium: Department of Surgery Grand Rounds, Cedars Sinai Medical Center, April 16, 2008.
46. Computer Guided Spinal Surgery: Department of Neurosurgery Grand Rounds with Doniel Drazin MD and JP Johnson. November 21, 2014.
47. Expandable Implants for Osteoporotic Fracture Management: Cedars Sinai Spine Center Conference, Las Vegas, NV, December 10, 2010.
48. Career Planning in Neurosurgery: Department of Neurosurgery Conference, UC Davis Medical Center. November 24, 2015.
49. SPECT CT and the Spine: Paula Eboli MD and JP Johnson. The Art of Spinal Surgery – Cedars Sinai Spine Center Grand Rounds. March 30, 2016
50. Far Lateral and Foraminal Disc Herniations: The Art of Spinal Surgery – Cedars Sinai Spine Center Grand Rounds. April 6, 2016

PERSONAL WORK EXPERIENCE

Spine Institute Foundation, Chairman of the Board and CEO, Los Angeles, CA 2008-present
Stem Cell Solutions, Inc. CEO and CMO, Los Angeles, CA, 2006 to present
JS Rodeo LLC, Co-Owner, Vaughn, MT, 2005-2016
Johnson Brothers Cattle Company, Co-Owner, Leroy, MT, 1994-present.
Ranch Foreman, ranch work and all-around cowboy, Pinwheel J Ranch, Lloyd, Montana, 1972-1980
Waiter and Maitre d'Hotel, The Fernwood Inn, Milwaukie, Oregon, 1982-1986
Research Assistant, Oregon Regional Primate Research Center Reproductive Physiology Laboratory
Oregon Health Sciences University Infertility Laboratory, Portland, Oregon 1981-1983
Graduate Teaching Assistant, Department of Chemistry, The Citadel, Charleston, SC 1977-78

SPORTS AND RECREATIONAL ACTIVITIES

Skiing: Helicopter Skiing, Bugaboos, Canada 2009
Helicopter Skiing, Gothics, Canada 2006
Helicopter Skiing, Cariboos, Canada 2005
Helicopter Skiing, Adamants, Canada 2004
Helicopter Skiing, Bugaboos, Canada 2003
Helicopter Skiing, Bugaboos, Canada 2002
Helicopter Skiing, Bugaboos, Canada 2001
Helicopter Skiing, Adamants, Canada 2000
Helicopter Skiing, Gothics, Canada 1999
Helicopter Skiing, Kootenay, Canada 1998
Helicopter Skiing, Bugaboos, Canada 1997
Helicopter Skiing, Cariboos, Canada 1996
Helicopter Skiing, Bugaboos, Canada 1995
Helicopter Skiing, Mont Blanc, France 1987
United States Alpine Training Team 1973-74

Basketball: Cedars Attending Staff Player-Coach 2004-2010, MVP 2005, 2007, 2009

Collegiate Basketball: Oregon Health Sciences Univ., Player-Coach, Portland, Oregon 1980-86

Collegiate Football: The Citadel, Charleston, South Carolina 1974-76

Rodeo: Professional Rodeo Cowboys Association, Permit holder 1978

REFERENCES

Donald P. Becker, M.D., Professor and Chairman Emeritus, Associate Dean for Academic Affairs, Division of Neurosurgery, UCLA Medical Center CHS 74-140, 10833 Le Conte, Los Angeles, California 90024, (310) 825-5111

Ulrich Batzdorf, M.D., Professor and Vice-Chairman, Division of Neurosurgery, UCLA Medical Center CHS 74-140, 10833 Le Conte, Los Angeles, California 90024, 310.825.5079

Achilles Demetriou, MD, Chief Operating Officer, University Hospitals Health System, Lakeside 11100 Euclid Avenue, Cleveland, OH 44106, 216.844.7951.