PEER REVIEWED PUBLICATIONS
Chaput CD, Crawford NR, Ferrara L, Sandhu F, Malloy S, Pateder D. Biomechanical evaluation of a less invasive fixation device compared to conventional fixation in the setting of a direct decompression, submitted.


**BOOKS**


**BOOK CHAPTERS AND REVIEWS**


Sandhu FA. Model sytems to study the β-amyloid protein of Alzheimer's disease. AGE, 17(1);7-11, 1994.

Sandhu FA. The Amyloid Precursor Protein and Alzheimer's Disease. Journal of the University of Rochester Medical Center, 5(1);17-24, 1993.

Sandhu FA. Transgenic mice: an overview. Journal of the University of Rochester Medical Center, 1(1);23-7, 1989.

ABSTRACTS


Syed HR, Felbaum D, Sandhu FA, Initial results with the use of fibrin glue as a hemostatic agent to prevent epidural hematoma following minimally invasive laminectomy, In: Annual Meeting of American Association of Neurological Surgeons, 2015; Washington, DC.


Congress of Neurological Surgeons, 2013, San Francisco, CA.


Oermann EK, Pendharker AV, Voyadzis JM, Sandhu FA. Early Results for Extreme Lateral Lumbar Interbody Fusion (XLIF) for the Surgical Correction of Low Grade Single Level Spondylolisthesis. In: Annual Meeting of American Association of Neurological Surgeons, 2012; Miami, FL.

Penharker AV, Oermann EK, Voyadzis JM, Sandhu FA. Preliminary Results of Two Level Minimally Invasive Trans-foraminal Lumbar Interbody Fusion (MI-TLIF) for Low Back Pain and Radiculopathy. In: Annual Meeting of American Association of Neurological Surgeons, 2012; Miami, FL.

Sandhu FA, Nunley P. Novel Dual-Flat Blade Retractor for Lateral Transpsoas Approach to Anterior Interbody Fusion: Technique Description and Clinical Results. In: Annual Meeting of American Association of Neurological Surgeons, 2012; Miami, FL.

Anaizi AN, Sandhu FA. Minimally Invasive Lateral Lumbar Interbody Fusion (LLIF) with and without Recombinant Bone Morphogenic Protein (rBMP). In: Annual Meeting of American Association of Neurological Surgeons, 2012; Miami, FL.


Thomas JA, Sandhu FA. Treatment of Spondylolisthesis by Minimally Invasive TLIF. In: Annual Meeting of AANS/CNS Section on Disorders of the Spine and Peripheral Nerves; 2008; Orlando, FL.


Halliday A, Sandhu FA. Utilization of a Hybrid Minimally Invasive TLIF Construct to Achieve Lumbar Motion Segment Fusion. In: Congress of Neurological Surgeons Annual Meeting; 2004; San Francisco, CA.


Sandhu FA, Coumans JVC, Benzel EC, Henderson FC. Cervicothoracic Stabilization in Metastatic Disease with the Telescopic Plate Spacer. In: Annual Meeting of AANS/CNS Section on Disorders of the Spine and Peripheral Nerves; 2003; Tampa, FL.

Voyadzis JM, Sandhu FA, Henderson FC. High Cervical Fusion/Stabilization with the Teloscopic Plate Spacer Following Corpectomy for Tumor. In: Annual Meeting of AANS/CNS Section on Disorders of the Spine and Peripheral Nerves; 2003; Tampa, FL.


Sandhu FA, McGrail K, Watson V. Causes and techniques to minimize artifacts and errors in magnetic resonance imaging angiography of aneurysms treated with Guglielmi detachable coil. In: Congress of Neurological Surgery Annual Meeting, 2000; San Antonio, TX.


**INVITED ORAL PRESENTATIONS**

World Federation of Neurological Surgeons Meeting (Istanbul, Turkey)

• Midline lumbar fusion techniques with a novel system of implants

• Complications associated with minimally invasive Extreme Lateral Interbody Fusion (XLIF): an analysis of 300 cases
• TLIF is Superior to Percutaneous or Lateral Fusions for Treatment of Spondylolisthesis

Interactive Spine Summit Meeting (Park City, UT, 2017)
• Cervical spondylosis: treatment options and decision making

American Pakistani Physicians Association Annual Meeting (Washington, DC, 2016)
• Current Surgical Techniques and Approaches to MIS Spine Surgery

Japanese Congress of Neurological Surgeons 36th Annual Meeting (Osaka, Japan, 2016)
• Dynamic Surgical Guidance for Placement of Pedicle Screws

Selby Spine Conference (Park City, UT, 2016)
• Cervical arthroplasty should replace most fusions

1st Dandy Quadrennial Meeting (Dubai, 2015)
• Complications associated with minimally invasive Extreme Lateral Interbody Fusion (XLIF): an analysis of 300 cases

AANS Annual Meeting (Washington, DC, 2015)
• Percutaneous Transfacet Screw Insertion: Indications, Technique and Complication Avoidance

AANS Spine Section Meeting (Phoenix, 2015)
• Lateral lumbar fusion cadaver training course

AMCICO, Mexican Spine Association Annual Meeting (Taxtula, Mexico, 2014)
• Surgical Management of vertebral fractures with Percutaneous Pedicle Screws
• Interspinous Process Spacers, their use in degenerative disc disease
• MIS treatment of Thoracic Disc Herniation and MIS Corpectomy for Kyphotic Deformity

Direct Look Lateral Access Surgery Course (Washington, DC 2014)
• Complications of lateral access surgery

Meeting of the Minds, Advanced Deformity Conference (Washington, DC 2014)
• Who requires fusion in addition to decompression in adult degenerative scoliosis

Facet Fixation Course, Faculty
• Facetlink surgeon training for lumbar stabilization (Berlin, Germany 2014)
• Facetlink surgeon training for lumbar stabilization (Washington, DC 2016)

Mexican Congress of Minimally Invasive Spine Surgery (Guanjato, Mexico 2013)
• Minimally Invasive Decompression for Stenosis
• Uses and Indications for PAD Interspinous Fusion Device

Complex Deformity Correction Forum (Savilla, Spain 2013)
• Minimally Invasive Treatment of Spondylolisthesis
• Complication Avoidance in Lateral Access Surgery
• Complex Deformity Correction: Case presentation

Brazilian Spine Congress
• Placement of percutaneous pedicle screws using K-wireless technique (Sao Paulo, 2013)

AANS Annual Meeting
• Post-Operative C5 Root Palsy and the Use of Neurophysiologic Monitoring (Miami, 2012)

Congress of Neurological Surgeons Annual Meeting, Luncheon Seminar
• Minimally Invasive Nuances for Treating Spondylolisthesis (Chicago, 2012)
• Minimally Invasive Nuances for Treating Spondylolisthesis (Washington, 2011)

Neurosurgical Society of Australasia Annual Meeting, Oral Presentation
• Early Results Using a Novel Lateral Transpsoas Approach and Retractor for Performing Anterior Lumbar Interbody Fusions (Fiji, 2011)

6th Annual Temple University Spine Symposium
• An Evidence Based Analysis of Minimally Invasive Lumbar Spine Surgery (Philadelphia, 2010)

AANS Fundamentals of Spine Surgery Course for Residents
• Bone Fusion Techniques, Chicago, 2012 (Faculty)

AANS Annual Meeting Practical Courses
• Current Surgical Techniques and Approaches to MIS Spine Surgery, Philadelphia 2010 (Faculty)
• Current Surgical Techniques and Approaches to MIS Spine Surgery, San Diego 2009 (Faculty)
• Current Surgical Techniques and Approaches to MIS Spine Surgery, Washington, DC 2007 (Faculty)
• Surgical Anatomy of the Thoracic and Lumbar Spine, San Diego, 2005 (Faculty)
• Surgical Anatomy of the Thoracic and Lumbar Spine, New Orleans, 2003 (Faculty)

Applications of Minimal Access Spinal Surgery
• Neurology/Neurosurgery Grand Rounds, Georgetown University, Sept 21, 2004
• Neurosurgery Grand Rounds, Walter Reed Army Medical Center, April 4, 2005
• Grand Rounds, Southern Maryland Hospital, August 3, 2005
• Neurosurgery Grand Rounds, Syracuse University, November 5, 2005

Kyphoplasty: Advanced Applications (Course Instructor)
• Advanced Surgeon Training Course, Kyphon, Dallas, TX, February, 2005
• Surgeon Training Course, Kyphon, Toronto, Canada, November, 2006
• Surgeon Training Course, Kyphon, Washington, DC, May, 2008

Minimally Invasive PLIF: Indications and Technique (Course Instructor)
• MAST Course, Medtronic, Memphis, TN, October, 2003
• MAST Course, Medtronic, Seattle, WA, July, 2004
• MAST Course, Medtronic, Washington, DC, October, 2007

XLIF: Indications and Technique (Course Instructor)
• MVP Course, NuVasive, Baltimore, MD January, 2008
• MVP Course, NuVasive, San Diego, CA June, 2008
• MVP Course, NuVasive, San Diego, CA December, 2008
• MVP Course, NuVasive, San Diego, CA April, 2010

Lateral Interbody Fusion and Percutaneous Screw Techniques (Course Instructor)
• Surgeon Training Course, K2M, Newark, NJ, November, 2010
• Surgeon Training Course, K2M, Denver, CO, April, 2011
• Surgeon Training Course, K2M, Houston, TX, May 2011
• Surgeon Training Course, K2M, Coventry, UK, May 2011
• Surgeon Training Course, K2M, Leesburg, VA, June 2011
• Surgeon Training Course, K2M, San Francisco, CA, July 2011
• Surgeon Training Course, K2M, Chicago, IL, August 2011
• Surgeon Training Course, K2M, Fiji, September 2011
• Surgeon Training Course, K2M, Sydney, Australia, October 2011
• Surgeon Training Course, K2M, New York, NY April, 2012
• Surgeon Training Course, K2M, Detroit, MI September, 2012
• Surgeon Training Course, K2M, Minneapolis, MN, June, 2013

Annual AANS/Spine Section Meeting, Orlando, Florida, March 2, 2002
• Occipitocervical Fusion in Rheumatoid Patients Using the Inside-Outside Stabilization Technique

Neural Transplantation and Repair (INT-7) Meeting, Odense, Denmark, August 28, 1999
• Axonal Regeneration and Functional Recovery in Adult Rats After Chronic Cervical Spinal Cord Injury

Analysis of transgenic mice expressing the carboxyl 100 amino acids of the human amyloid precursor protein in glial cells (updated findings):
• American Aging Association Annual Meeting, Montreal, October 11, 1993
• American Aging Association Annual Meeting, San Francisco, October 19, 1992
• The Third International Conference on Alzheimer’s Disease and Related Disorders, Abano Terme, Italy, July 17, 1992
• Advances in the Understanding of Neurodegenerative Diseases, Big Sky, Montana, April 3, 1992
• Sterling-Winthrop Drug Co., Rensslelear, NY, October 9, 1991

PATENTS
Access system for minimally invasive spinal surgery, Sandhu FA, US Pat number 8,480,576 (issued July 9, 2013)

Stand-alone access system for minimally invasive spinal surgery, Sandhu, FA, US Pat numbers 8,986,344 (issued March 24, 2015), 9,414,831 (issued August 16, 2016)


Mesh cage scoring and cutting system, Sandhu F, McClintock L, Strauss KR, US pat number 9,393,709 (issued June 19, 2016)
Percutaneous tube assembly, Sandhu FA, Abdelgany MF, Oh YH, US Pat number 8,414,484 (issued April 9, 2013)

Facet screw system and method, Brumfield D, Abdelgany MF, Faizan A, Sandhu F, US Pat number 9,668,784 (issued June 6, 2017)


Cervical spine retractor, Sandhu FA, US Pat number 8,668,715 (issued March 11, 2014)