

## **Other SRF Publications**

### **Research Articles**

1. Mayr MT, Subach BR, Comey CH, Rodts GE, Haid RW: Cervical spondylotic myelopathy: outcomes of anterior corpectomy and instrumented fusion. *J Neurosurg* 2002 Jan; 96 (1 suppl):10-6.
2. Barnes B, Haid RW, Rodts GE, Subach BR, Kaiser MG: Early results using the Atlantis anterior cervical plating system. *Neurosurgical Focus*, 2002.
3. Mummaneni PV, Rodts GE, Sasso RC, Traynelis VC, Subach BR, Fiore A, Haid RW: Posterior cervical fusion using a new polyaxial screw and rod system: technique and preliminary results. *Neurosurgical Focus*, 2002.
4. Tang G, Subach BR, Rodts GE, Haid RW: Management of infection following implantation of anterior spinal cages. *Seminars in Spine Surgery*, December 2002.
5. Kaiser MG, Haid RW Jr., Subach BR, Rodts GE: Anterior cervical plating enhances arthrodesis after discectomy and fusion with cortical allograft. *Neurosurgery* 2002 Feb;50(2):229-36; discussion 236-8.
6. Kaiser MG, Haid RW Jr., Subach BR, Miller JS, Smith CD, Rodts GE: Comparison of the mini-open versus laparoscopic approach for anterior lumbar interbody fusion: A retrospective review. *Neurosurgery* 2002 Jul;51(1):97-103; discussion 103-5.
7. Fiore AJ, Haid RW, Rodts GE, Subach BR, Mummaneni PV, Riedel CJ, Birch BD: Atlantal lateral mass screws for posterior spinal reconstruction. *Neurosurg Focus* 12(1):Article 5, 2002.
8. Kaiser MG, Haid RW Jr., Subach BR, Barnes B, Rodts GE: Anterior cervical plating enhances arthrodesis after discectomy and fusion with cortical allograft. *Neurosurgery* 2002 Feb; 50(2):229-36 ;discussion 236-8.
9. Barnes B, Rodts GE, Haid RW, Subach BR, McLaughlin MR : Allograft implants for posterior lumbar interbody fusion : results comparing cylindrical dowels and impacted wedges. *Neurosurgery* 2002 Nov ; 51(5) :1191-8, discussion 1198.

10. Narayan P, Haid RW, Subach BR, Comey CH, Rodts GE : Effect of spinal disease on successful arthrodesis in lumbar pedicle screw fixation. *J Neurosurg (Spine)*2002;97(3 suppl.):277-280.
11. Mummaneni PV, Lin FJ, Haid RW, Rodts GE, Subach BR, Miller JS : Current indications and techniques for anterior approaches to the lumbar spine. *Contemp Neurosurg* 2002 :24 (10) :1-8.
12. Mummaneni PV, Lin FJ, Haid RW, Rodts GE, Subach BR, Miller JS : Current indications and techniques for anterior approaches to the lumbar spine. *Contemp Spine Surg* 2002 :3 (8) :57-64.
13. Alexander JT, Branch CL, Subach BR, Haid RW : Applications of a resorbable interbody spacer via a posterior lumbar interbody fusion technique. *Orthopedics* 2002 Oct ;25(10 suppl):s1185-9; discussion s1189.
14. Alexander JT, Branch CL, Subach BR, Haid RW :Applications of a resorbable interbody spacer in posterior lumbar interbody fusion. *J. Neurosurg* 2002 Nov ;97(4 Suppl) :468-72. Review.
15. Reitsma, A.M., Schuler, T.C., Hasz, M.W., Poelstra. K.A., "Surgical treatment of symptomatic Bertolotti Syndrome on post-fusion patients." *Orthopedics* Vol. 25(3): 340-342; 2002.
16. Mummaneni PV, Haid RW, Subach BR, Rodts GE : Ventral Plus Dorsal Techniques for Thoracolumbar Arthrodesis. *Techniques in Neurosurgery. Thoracolumbar Trauma.* 8(2):83-92, June 2003.
17. Schuler, T.C., Burkus, J.K., Gornet, M., Zdeblick, T. A., "The effect of preoperative disc space height on clinical outcomes after anterior lumbar interbody fusion." *The Spine Journal*; Vol. 3-5S: 109S-110S; 2003.
18. Schuler TC, Subach BR, Branch C, Foley K, Burkus JK : Segmental lumbar lordosis : manual versus computer-assisted measurement using seven different techniques. *J Spinal Disord Tech.* 2004 Oct;17(5):372-9.
19. Burkus, J.K., Schuler, T.C., Gornet, M.F., Zdeblick, T.A., "Anterior lumbar interbody fusion for the management of chronic lower back pain: current strategies and concepts." *Orthopedic Clinics of North America*; January 2004 35 (1): 25-32.
20. Subach BR, Schuler TC, Hasz MW : Structural failure of cervical allograft cancellous spacers. In revision, *Journal of Neurosurgery-Spine*, 2005.

21. Subach BR, Schuler TC, Burkus JK : Technical Note : Anterior lumbar interbody implants : the importance of interdevice distance. In revision, Journal of Spinal Disorders and Techniques, 2005.
22. Subach BR, Schuler TC : To the Editor re : Fairbank et al. Randomised controlled trial to compare surgical stabilisation of the lumbar spine with an intensive rehabilitation programme for patients with chronic low back pain : the MRC stabilisation trial. Br. Med. J. 2005 ; 330 :1233. 29 June 2005.
23. Schuler TC, Burkus JK, Gornet MF, Subach BR, Zdeblick TA: The correlation between preoperative disc space height and clinical outcomes after anterior lumbar interbody fusion. J Spinal Disord Tech 2005;18(5); 396-401.
24. Schuler, T.C., Burkus, J. K., Gornet, M. F., Subach, B. R., Zdeblick, T. A., "The Correlation Between Preoperative Disc Space Height and Clinical Outcomes after Anterior Lumbar Interbody Fusion" J. Spinal Disord Tech Vol. 18, No. 5, October 2005
25. Copay AG, Subach BR, Glassman SD, et al: Understanding the Minimum Clinically Important Difference (MCID). A Review of Concepts and Methods. The Spine Journal 2007; 7(5) 541-6.
26. Copay AG, Subach BR, Glassman SD, et al: The Minimum Clinically Important Difference In Lumbar Spine Surgery Patients. A Choice Of Methods Using The Oswestry Disability Index, Mos Short Form 36, And Pain Scales. Spine J 2008 Jan 15.
27. Glassman SD, Copay AG, Berven S, Polly DW, Subach BR, Carreon L. Defining Substantial Clinical Benefit following Lumbar Arthrodesis. J Bone Joint Surg Am. 2008;90:1839-47.
28. Copay AG, Subach BR, Glassman SD, Schuler TC, Carreon L. Transparent Assessment of Spine Surgery Outcomes: benchmarks of a Patient-Centered Assessment. Manuscript in review, Spine 2007.
29. Schuler, TC. Physician Extenders in Spine Health Care: Physician Assistants. SpineLine, May-June 2008: 36– 38.
30. Carreon LY, Glassman SD, Schwender JD, Subach BR, Gornet MF, Ohno S: Reliability and accuracy of fine-cut CT scans to determine the statue of anterior interbody fusions with metallic cages. Spine J. 2008 Feb 13.

## **B. Contributed Textbook Publications:**

1. Subach BR, Marion DM: Intensive Care Management of Cranial Trauma. in Textbook of Neurological Surgery. Batjer and Loftus (eds.), 2002.
2. McLaughlin MR, Haid RW Jr, Rodts GE, Subach BR: Overview of frameless stereotactic techniques for lumbar spine surgery. Seminars in Neurological Surgery 2002.
3. Subach BR, Haid RW, Rodts GE, Fiore A, Mummaneni PV, Petraglia CA: Fractures, stenosis, and sports: guidance for participation. Chapter 49, in Clinical Neurosurgery: Proceedings of the Congress of Neurological Surgeons.,2002;49:518-527.
4. Kaiser MG, Subach BR, Rodts GE, Haid RW: Chapter 22. Cervical burst fractures. In Neurosurgery.3<sup>rd</sup> edition. Wilkins and Rengachary (eds.), 2002.
5. Subach BR, Haid RW, Rodts GE, Kaiser MG: Techniques of ventral thoracic and lumbar spinal stabilization. In Neurosurgery.3<sup>rd</sup> edition. Wilkins and Rengachary (eds.), 2002.
6. Haid RW, Subach BR, Rodts GE (editors.): Progress in Neurological Surgery: Advances in Spinal Stabilization., S. Karger Publishers, Farmington, CT, 2003.
7. Kaiser MG, Subach BR, Rodts GE: Operative Approach Selection: Anterior vs Posterior. in Haid RW, McLaughlin MR, Fessler RG (eds): Lumbar Interbody Fusion Techniques – Cages, Dowels, and Grafts. Quality Medical Publishing, St. Louis, Missouri, 2003.
8. McLaughlin MR, Branch CD, Haid RW, Subach BR: Technique for impacted posterior lumbar interbody fusion. in Haid RW, McLaughlin MR, Fessler RG (eds): Lumbar Interbody Fusion Techniques – Cages, Dowels, and Grafts. Quality Medical Publishing, St. Louis, Missouri, 2003.
9. Subach BR, Haid RW, Rodts GE, Petraglia CA: Bone Morphogenetic Protein (rhBMP-2): Experimental review and clinical update. In Haid RW, Subach BR, Rodts GE (eds.) Progress in Neurological Surgery:

Advances in Spinal Stabilization. S. Karger Publishing, Farmington, CT, 2003.

10. Kaiser MG, Haid RW Jr., Subach BR, Rodts GE: Laparoscopic versus 'Mini-open' Anterior Lumbar Interbody Fusion. In Haid RW, Subach BR, Rodts GE (eds.) Progress in Neurological Surgery: Advances in Spinal Stabilization. S. Karger Publishing, Farmington, CT, 2003.
11. Subach BR: Total disc arthroplasty; the wave of the future. In American Association of Neurological Surgeons Bulletin, Vol. 13, No.1, pp 8-9, 2004.
12. Subach BR, Schuler TC: Posterior Atlantoaxial Screw Fixation. Chapter 6: In Wolfla C and Resnick DK (eds.) Neurosurgical Operative Atlas 2E: Spine and Peripheral Nerves Thieme Medical Publishing, New York, NY, 2005.
13. Subach BR, Copay AG, Schuler TC, Martin MM: Lumbar Arthroplasty. In Choudhri (eds.) Fundamentals of Operative Techniques in Neurosurgery, 2<sup>nd</sup> Edition. Thieme Medical Publishing, New York, NY (in press).

### **C. Published Abstracts:**

1. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Stereotactic radiosurgery in the management of petroclival meningiomas. *Skull Base Surgery*, 1996.
2. Resnick DK, Subach BR, Marion DW: Vascular complications associated with basilar skull fracture. *Neurosurgery* 39:653, 1996.
3. Subach BR, Welch WC, Pollack IF, Jacobs GW: Frameless stereotactic guidance for surgery of the upper cervical spine. *Neurosurgery* 39:648, 1996.
4. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Stereotactic radiosurgery as an alternative to microsurgery in the management of petroclival meningiomas. *Neurosurgery* 39:648, 1996.
5. Welch WC, Subach BR, Pollack IF, Jacobs GW: Frameless stereotactic guidance for surgery of the upper cervical spine. *North American Program on Computer Assisted Orthopaedic Surgery*. Pittsburgh, Pennsylvania, June, 1997.

6. Clyde BL, Subach BR, Jho HD, Lunsford LD: Multimodal therapy of brainstem cavernous malformations at the University of Pittsburgh. *Skull Base Surgery* 8:8, 1998.
7. Lunsford LD, Pollock BE, Kondziolka D, Sekula R, Subach BR, Flickinger JC: Failed radiosurgery and the role of microsurgery for acoustic neuromas. *J Neurosurg* 88:395A, 1998.
8. Duma CM, Lunsford LD, Kondziolka D, Subach BR, Jacques DB: Gamma knife radiosurgery of cavernous sinus meningiomas: Results of a two-institution, 10-year experience. *J Neurosurg* 88:385A, 1998.
9. Pollock BE, Lunsford LD, Kondziolka D, Subach BR: Vestibular schwannoma management. Part II: Failed radiosurgery and the role of delayed microsurgery. *J Neurosurg* 88:396A, 1998.
10. Subach BR, Lunsford LD, Kondziolka D: Will radiosurgery replace microsurgery for pineal region tumors?. *J Neurosurg* 88:385A, 1998.
11. Subach BR, McLaughlin MR, Albright AL, Pollack IF: Current management of pediatric atlantoaxial rotatory subluxation. *Neurosurgery* 43:676, 1998.
12. Subach BR, Witham TF, Kondziolka D, Lunsford LD, Bozik M, Schiff D: Morbidity and survival after BCNU wafer implantation for recurrent glioblastoma: A retrospective case matched cohort series. *Neurosurgery* 43:678, 1998.
13. Subach BR, Kondziolka D, Lunsford LD, Bissonette DA, Flickinger JC, Maitz AH: Stereotactic radiosurgery in the management of acoustic neuromas associated with neurofibromatosis-type II. *J Neurosurg* 90:411A, 1999.
14. Spiro RM, Subach BR, Marion DW, Kimball D, Bullian LA: Outcome Expectations in Patients with Severe Traumatic Brain Injury Associated with Fixed, Dilated Pupils and Radiographic Evidence of Transtentorial Herniation. *Neurosurgery* 45:706, 1999.
15. Subach BR, McLaughlin MR, Haid RW, Rodts GE: C1-2 transarticular screw fixation for atlantoaxial instability: a six-year experience. *J Neurosurg* 92:579, 2000.
16. Haid RW Jr., Subach BR, Rodts GE Jr., McLaughlin MR: Do current outcomes data support the technique of lumbar interbody fusion? Congress of Neurological Surgeons. San Antonio, Texas, October 2000.

17. Subach BR, Haid RW, Rodts GE: Bone morphogenetic proteins: overview, update, and FDA status. Joint Section on Disorders of the Spine and Peripheral Nerves. Phoenix, Arizona, February 2001.
18. Subach BR, Haid RW, Rodts GE: Resorbable Polymers in Spine Surgery. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, February 2002.
19. Subach BR, Haid RW, Rodts GE: The use of a resorbable polymer in an impacted PLIF. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, February 2002.
20. Mummaneni PV, Haid RW, Subach BR, Rodts GE: Principles of spinal deformity: Evaluation of adult thoracolumbar deformity and non-operative treatment options. Southern Neurosurgical Society, 2003.
21. Mummaneni PV, Haid RW, Subach BR, Rodts GE: Cervical pedicle subtraction osteotomy for chin on chest deformity- Technique and results. Southern Neurosurgical Society, 2003.
22. Subach BR, Glassman S, Polly DW, et al: The Effect of Previous Discectomy on Outcome after Lumbar Spinal Fusion Surgery. 12<sup>th</sup> International Meeting for Advanced Spinal Techniques, 2005.
23. Subach BR, Glassman S, Polly DW, et al: The Effect of Previous Discectomy on Outcome after Lumbar Spinal Fusion Surgery. Scoliosis Research Society, Miami, October 2005.

**D. Presentations at Scientific Meetings:**

1. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Stereotactic radiosurgery in the management of petroclival meningiomas. North American Skull Base Society. San Diego, California, June 1996.
2. Resnick DK, Subach BR, Marion DW: Vascular complications associated with basilar skull fracture. Congress of Neurological Surgeons. Montreal, Quebec, October 1996.
3. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Radiosurgery as an alternative to microsurgery in the management of petroclival meningiomas. Congress of Neurological Surgeons. Montreal, Quebec, October 1996.
4. Subach BR, Lunsford LD, Kondziolka D: Stereotactic radiosurgery in the management of petroclival meningiomas. Allegheny Neurosurgery Symposium, Pittsburgh, Pennsylvania, February 1997.

5. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Radiosurgery as an alternative to microsurgery in the management of petroclival meningiomas. American Society of Neurological Surgeons. Pittsburgh, Pennsylvania, May 1997.
6. Welch WC, Subach BR, Pollack IF, Jacobs GW: Frameless stereotactic guidance for surgery of the upper cervical spine. North American Program on Computer Assisted Orthopaedic Surgery. Pittsburgh, Pennsylvania, June 1997.
7. Subach BR, Lunsford LD, Kondziolka D, Flickinger JC: Stereotactic radiosurgery in the management of petroclival meningiomas. American College of Surgeons, Southwestern Pennsylvania Chapter, Annual Residents' Day, Pittsburgh, Pennsylvania, November 1997.
8. Jannetta PJ, Subach BR: Lower clival and foramen magnum lesions: The Pittsburgh Experience. The Karolinska Institute, Stockholm, Sweden, November 1997.
9. Subach BR: Image guided neurosurgery: the role of intraoperative imaging. Allegheny Neurosurgery Symposium. Pittsburgh, Pennsylvania, December 1997.
10. Clyde BL, Subach BR, Jho HD, Lunsford LD: Multimodal therapy of brainstem cavernous malformations at the University of Pittsburgh. North American Skull Base Society. Kamuela, Hawaii, February 1998.
11. Subach BR, Lunsford LD: Management of petroclival meningiomas. First International Symposium: Controversies in Radiosurgery and Microsurgery, Guadalajara, Mexico, February 1998.
12. Subach BR, Lunsford LD: Stereotactic and radiosurgical management of pineal region tumors. First International Symposium: Controversies in Radiosurgery and Microsurgery, Guadalajara, Mexico, February 1998.
13. Subach BR, Lunsford LD: Stereotactic radiosurgery for arteriovenous malformations. First International Symposium: Controversies in Radiosurgery and Microsurgery, Guadalajara, Mexico, February 1998.
14. Subach BR, Lunsford LD: The future of radiosurgery. First International Symposium: Controversies in Radiosurgery and Microsurgery, Guadalajara, Mexico, February 1998.
15. Lunsford LD, Pollock BE, Kondziolka D, Sekula R, Subach BR, Flickinger JC: Failed radiosurgery and the role of microsurgery for

acoustic neuromas. American Association of Neurologic Surgeons, Philadelphia, Pennsylvania, April 1998.

16. Duma CM, Lunsford LD, Kondziolka D, Subach BR, Jacques DB: Gamma knife radiosurgery of cavernous sinus meningiomas: Results of a two-institution, 10-year experience. American Association of Neurologic Surgeons, Philadelphia, Pennsylvania, April 1998.
17. Pollock BE, Lunsford LD, Kondziolka D, Subach BR: Vestibular schwannoma management. Part II: Failed radiosurgery and the role of delayed microsurgery. American Association of Neurologic Surgeons, Philadelphia, Pennsylvania, April 1998.
18. Subach BR, Lunsford LD, Kondziolka D: Will radiosurgery replace microsurgery for pineal region tumors? American Association of Neurologic Surgeons, Philadelphia, Pennsylvania, April 1998.
19. Subach BR, McLaughlin MR, Albright AL, Pollack IF: Current management of pediatric atlantoaxial rotatory subluxation. Congress of Neurological Surgeons. Seattle, Washington, October 1998.
20. Subach BR, Witham TF, Kondziolka D, Lunsford LD, Bozik M, Schiff D: Morbidity and survival after BCNU wafer implantation for recurrent glioblastoma: A retrospective case-matched cohort series. Congress of Neurological Surgeons. Seattle, Washington, October 1998.
21. Lunsford LD, Lee JYK, Subach BR, Kondziolka D, Bissonette DJ: Intraoperative Imaging: What do we really need?. American Association of Neurological Surgeons. New Orleans, Louisiana, April 1999.
22. Subach BR, Kondziolka D, Lunsford LD, Bissonette DA, Flickinger JC, Maitz AH: Stereotactic radiosurgery in the management of acoustic neuromas associated with neurofibromatosis-type II. American Association of Neurological Surgeons. New Orleans, Louisiana, April 1999.
23. Spiro RM, Subach BR, Marion DW, Kimball D, Bullian LA: Outcome Expectations in Patients with Severe Traumatic Brain Injury Associated with Fixed, Dilated Pupils and Radiographic Evidence of Transtentorial Herniation. Congress of Neurological Surgeons. Boston, Massachusetts, November 1999.
24. Subach BR, Marion DW, King JT, Bullian LA: Three-month Glasgow outcome scores predict long-term functional outcomes in patients with severe traumatic brain injury. American Association of Neurological Surgeons. San Francisco, California, April 2000.

25. Subach BR, McLaughlin MR, Haid RW, Rodts GE: C1-2 transarticular screw fixation for atlantoaxial instability: a six-year experience. American Association of Neurological Surgeons. San Francisco, California, April 2000.
26. Rodts GE, Haid RW, McLaughlin MR, Subach BR: Neuro-Navigation of the Spine: Current therapies and emerging technology. Spine Surgery in the New Millennium, Memphis, Tennessee, August 2000.
27. Haid RW Jr., Subach BR, Rodts GE Jr., McLaughlin MR: Do current outcomes data support the technique of lumbar interbody fusion? Congress of Neurological Surgeons. San Antonio, Texas, October 2000.
28. Subach BR, Haid RW, Rodts GE: Bone morphogenetic proteins: overview, update, and FDA status. Joint Section on Disorders of the Spine and Peripheral Nerves. Phoenix, Arizona, February 2001.
29. Subach BR, Haid RW, Rodts GE: Stenosis, fractures, and return to play. Congress of Neurological Surgeons. San Diego, California, September 2001.
30. Subach BR, Haid RW, Rodts GE: The use of a resorbable polymer in an impacted PLIF. Joint Section on Disorders of the Spine and Peripheral Nerves. Orlando, February 2002.
31. Mummaneni PV, Haid RW, Rodts GE, Subach BR, Sasso RC, Traynelis V: Occipito-cervical junction and cervicothoracic junction fixation using the vertex system: Technique and surgical results. 9<sup>th</sup> International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.
32. Mummaneni PV, Fiore AJ, Haid RW, Rodts GE, Subach BR, Riedel CJ, Birch BD: Atlantal lateral mass screws for posterior spinal reconstruction. 9<sup>th</sup> International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.
33. Subach BR: PLDLA, PEEK, and BMP; the future of spine surgery. Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 2002.
34. Subach BR: The biology of bone fusion and adjuncts to fusion. Congress of Neurological Surgeons, Philadelphia, Pennsylvania, September 2002.

35. Mummaneni PV, Haid RW, Subach BR, Rodts GE: Principles of spinal deformity: Evaluation of adult thoracolumbar deformity and non-operative treatment options. Southern Neurosurgical Society, 2003.
36. Mummaneni PV, Haid RW, Subach BR, Rodts GE: Cervical pedicle subtraction osteotomy for chin on chest deformity- Technique and results. Southern Neurosurgical Society, 2003.
37. Subach BR: The Effect of Previous Discectomy on Outcome after Lumbar Spinal Fusion Surgery. Lumbar Spine Study Group, San Francisco, CA, June 2005.
38. Subach BR, Glassman S, Polly DW, et al: The Effect of Previous Discectomy on Outcome after Lumbar Spinal Fusion Surgery. 12<sup>th</sup> International Meeting for Advanced Spinal Techniques, Alberta, CAN, July 2005.
39. Subach BR, Glassman S, Polly DW, et al: The Effect of Previous Discectomy on Outcome after Lumbar Spinal Fusion Surgery. Scoliosis Research Society, Miami, October, 2005.
40. Glassman S, Gornet MF, Subach BR, et al: Detecting non-union with metallic anterior interbody fusion cages. International meeting on advanced spine techniques, Athens, July 2006.
41. Glassman S, Gornet MF, Subach BR, et al: Detecting non-union with metallic anterior interbody fusion cages. International meeting on Advanced Spine Techniques, North American Spine Society Annual Meeting, San Francisco, September 2006.
42. Glassman S, Carreon L, Subach BR, et al. Detecting Non-Union with Metallic Interbody Devices. Meeting of the Lumbar Spine Study Group (LSSG). Las Vegas, Nevada, June 2006.
43. Glassman S, Gornet M, Subach BR, et al. Detecting Non-Union with Metallic Anterior Interbody Cages. 13<sup>th</sup> International Meeting on Advanced Spine Techniques (IMAST). Athens, Greece, July 2006.
44. Glassman S, Gornet M, Subach BR, et al. Detecting Non-Union with Metallic Anterior Interbody Cages. NASS 21<sup>st</sup> annual meeting. Seattle, Washington, September 2006.
45. Carreon L, Glassman S, Schwender J, Subach BR, et al. Detecting Non-Union with Metallic Anterior Interbody Cages. NASS 22nd annual meeting. Austin, Texas, October 23-27, 2007. Accepted.

46. Carreon L, Glassman S, Schwender J, Subach BR, et al. Reliability and Accuracy of Fine-Cut CT Scans to Determine the Status of Anterior Interbody Fusion with Metallic Cages. 14<sup>th</sup> International Meeting on Advanced Spine Techniques (IMAST). Paradise Island, Bahamas, July 11-14, 2007. Accepted.
47. Copay AG, Subach BR, Glassman SD, Polly DW, Schuler TC: Understanding the minimum clinically important difference (MCID). A review of concepts and methods. Lumbar Spine Study Group (LSSG). Las Vegas, Nevada, June 7-8, 2006
48. Subach BR, Copay AG: Prior Surgery and Outcomes Following Lumbar Fusion Surgery. Lumbar Spine Study Group (LSSG). Chicago, Illinois, November 9-11, 2006
49. Copay AG, Glassman SD, Subach BR, Berven S, Schuler TC, Carreon L: The Minimum Clinically Important Difference In Lumbar Spine Surgery Patients. A Choice Of Methods Using The Oswestry Disability Index, Mos Short Form 36, And Pain Scales. North American Spine society (NASS) 22nd annual meeting. Austin, Texas, October 23-27, 2007.
50. Glassman SD, Copay AG, Berven S, Polly DW, Subach BR, Carreon L: Defining Clinical Benefit for Lumbar Fusion. North American Spine society (NASS) 22nd annual meeting. Austin, Texas, October 23-27, 2007.
51. Glassman SD, Copay AG, Berven S, Polly DW, Subach BR, Carreon L: Defining Clinical Benefit for Lumbar Fusion. 14<sup>th</sup> International Meeting on Advanced Spine Techniques (IMAST). Paradise Island, Bahamas, July 11-14, 2007.
52. Glassman SD, Copay AG, Berven S, Polly DW, Subach BR, Carreon L: Defining Clinical Benefit for Lumbar Fusion. Scoliosis Research Society (SRS) 42nd Annual Meeting. Edinburgh, Scotland, September 5-8, 2007.
53. Carreon LY, Glassman SD, Schwender JD, Subach BR, Gornet MF, Ohno S: Reliability and accuracy of fine-cut CT scans to determine the statue of anterior interbody fusions with metallic cages. Scoliosis Research Society (SRS) 42nd Annual Meeting. Edinburgh, Scotland, September 5-8, 2007.
54. Anderson H, Briggs S, Hannon C, Kim C, Piao Z, Rooney A, Schuler TC, Subach BR, Torrens J: Effect of a Collaborative multidisciplinary Pain Management program on Outcomes for Spine Surgery Patients. Proceedings 5<sup>th</sup> Annual Nursing Research Conference, Reston, Virginia, May 2008.

55. Subach BR, Schuler TC, Copay AC: Narrow versus wide positioning in anterior lumbar interbody fusion using LT cages. Degenerative Spine Study Group, Washington D.C., June 14, 2008.
56. Subach BR, Schuler TC, Copay AC: Rate of spinal surgery in first encounter patients. Degenerative Spine Study Group, Washington D.C., June 14, 2008.