

CURRICULUM VITAE

Donna D. Ohnmeiss, Dr. Med.

Work Address: Texas Back Institute Research Foundation
6020 W. Parker Rd., Suite 200
Plano, Texas 75093

Birthplace: Lampasas, Texas

EDUCATION

- 1994 - 2000 Karolinska Institute; Stockholm, Sweden
Doctor of Medicine (PhD in Medical Research)
Department of Clinical Sciences
Division of Rehabilitation Medicine
graduated May, 2000
- 1983 - 1985 University of North Texas; Denton, Texas
Master of Science
major in Mathematics and coursework in statistics and computer science
graduated December, 1985
- 1979 - 1983 Tarleton State University; Stephenville, Texas
Bachelor of Science with major in Mathematics
Bachelor of Business Administration
Secondary Teaching Certification in Mathematics and Business
graduated with high honors May, 1983

EMPLOYMENT HISTORY

- Jan. 1986 - Texas Back Institute Research Foundation
present Current position: President
- Aug. 1983 - North Texas State University; Denton, Texas
Dec. 1985 Teaching Fellow for the Department of Mathematics
- Jan. 1980 - Tarleton State University; Stephenville, Texas
Dec. 1982 Teaching Assistant for the Department of Mathematics

UNIVERSITY AWARDS AND ACTIVITIES

North Texas State University Teaching Fellow - Mathematics

Tarleton State University Phi Eta Sigma (Academic honor society)
Alpha Chi (Academic honor society)
Dick Smith Arts and Sciences Scholarship recipient - 4 years

HONORS AND AWARDS

Tarleton State University's Outstanding Young Alumni in 2001

Leon Wiltse Overall Best Paper Award; International Society for the Advancement of Spine
Surgery; Barcelona, Spain; March, 2012

SOCIETY MEMBERSHIPS AND COMMITTEES

International Society for the Study of the Lumbar Spine
US Central Regional Representative, 2010-2013

North American Spine Society

Outcomes Compendium Task Force, 2000, 2003-2006

Outcomes Compendium Task Force, Chairman, 2009 - present

Patient Education Committee, 2002-2009

Patient Education Committee Chairman, 2007 – 2009

Education Publishing Committee, Member 2008 – 2010

Membership Review Committee, 2003-2009

Membership Review Committee, Chairman, 2011-present

Registry Sub-Committee, 2011-present

Board Structure Task Force, 2013-2015

Abstract reviewer for the 2003, 2004, 2005, 2007, and 2013 annual meetings

Abstract reviewer for the 2009 NASS Spring Break conference

International Association for the Study of Pain

International Society for the Advancement of Spine Surgery (formerly Spine Arthroplasty
Society)

Program Committee 2008 - 2014 annual conferences

Basic Science Program Chair 2013 annual conference

Research Committee 2011 - present

World Spine Care

International Consortium for Health Outcomes Measurement, Spine Working Group member,
2013 to present

JOURNAL POSITIONS

SPINE, Advisory Committee and reviewer

International Journal of Spine Surgery (formerly *SAS J*), Special Deputy to the Editor-in-Chief

The Spine Journal, reviewer

PUBLICATIONS

1. Vanharanta H, Sachs BL, Spivey MA, Guyer RD, Hochschuler SH, Rashbaum RF, Johnson RG, Ohnmeiss DD, Mooney V: The Relationship of Pain Provocation to Lumbar Disc Deterioration as Seen by CT/Discography. *Spine* 12(3):295-298, 1987.
2. Vanharanta H, Sachs BL, Spivey MA, Hochschuler SH, Guyer RD, Rashbaum RF, Ohnmeiss DD, Mooney V: A Comparison of CT/Discography, Pain Provocation and Radiographic Disc Height. *Spine* 13(3):321-324, 1988.
3. Loguidice VA, Guyer RD, Stith WJ, Ohnmeiss DD, Hochschuler SH, Rashbaum RF, Johnson RG: Anterior Lumbar Interbody Fusion. *Spine* 13(3):366-369, 1988.
4. Hochschuler SH, Guyer RD, Stith WJ, Ohnmeiss DD, Rashbaum RF, Johnson, RG: Proplast Reconstruction of Iliac Crest Defects. *Spine* 13(3):378-379, 1988.
5. Guyer RD, Collier RR, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Vanharanta H, Loguidice VA: Extraosseous Spinal Lesions Mimicking Disc Disease. *Spine* 13(3):328-331, 1988.
6. Vanharanta H, Guyer RD, Ohnmeiss DD, Stith WJ, Sachs BL, Aprill C, Spivey M, Rashbaum RF, Hochschuler SH, Videman T, Selby DK, Terry A, Mooney V: Disc Deterioration In Low Back Syndromes: A Prospective Multi-center CT/Discography Study. *Spine* 13(12):1349-1351, 1988.
7. Guyer RD, Collier R, Stith WJ, Ohnmeiss DD, Hochschuler SH, Rashbaum RF, Regan JJ: Discitis after Discography. *Spine* 13(12):1352-1354, 1988.
8. Vanharanta H, Sachs BL, Ohnmeiss DD, Spivey M, Guyer RD, Rashbaum RF, Hochschuler SH, Stith WJ, Mooney V: Pain Provocation and Disc Deterioration by Age: A CT/Discography Study in Low Back Pain Population. *Spine* 14(4):420-423, 1989.
9. Shea DD, Ohnmeiss DD, Stith WJ: Interrupting the Pain Cycle in Chronic Low Back Pain Patients. (Invited Article) *Back Pain Monitor*, May, S1-S3, 1989.
10. Shea DD, Ohnmeiss DD, Stith WJ, Guyer RD, Rashbaum RF, Hochschuler SH, Regan JJ: The Effect of Sensory Deprivation on the Reduction of Pain in Chronic Low Back Patients. *Spine* 16(5):560-561, 1991.
11. Guyer RD, Ohnmeiss DD: Lumbar Discography and CT/Discography. *University of Pennsylvania Orthopaedic Journal* 7:61-63, 1991.
12. Guyer RD, Hochschuler SH, Spivey MA, Ohnmeiss DD, Castleman C: Case Report: The Use of Dynamic MRI to Identify Cervical Spine Disc Herniation and Cord Compression. *Spine* 17(5):596-597, 1992.
13. Vanharanta H, Floyd T, Ohnmeiss DD, Guyer RD, Hochschuler SH: The Relationship between Facet Tropism and Degenerative Disc Disease. *Spine* 18(8):1000-1005, 1993.
14. Guyer RD, Ohnmeiss DD: The Role of Discography and Intradiscal Therapy. *Current Opinion in Orthopaedics* 5(II):49-53, 1994.
15. Ohnmeiss DD, Guyer RD, Hochschuler SH: Laser Disc Decompression: The Importance of Proper Patient Selection. *Spine* 19(18):2054-2059, 1994.

16. Ohnmeiss DD, Vanharanta H, Guyer RD: The Association between Pain Drawings and CT/Discographic Pain Responses. *Spine* 20(6):729-733, 1995.
17. Bogdanffy GM, Ohnmeiss DD, Guyer RD: Early Changes in Bone Mineral Density above a Combined Anterior-Posterior L4-S1 Lumbar Spinal Fusion: A Clinical Investigation. *Spine* 20(15):1674-1678, 1995.
18. Guyer RD, Ohnmeiss DD: Contemporary Concepts in Spine Care: Lumbar Discography. Position Statement from the North American Spine Society Diagnostic and Therapeutic Committee. *Spine* 20(18):2048-2059, 1995.
19. Block AR, Vanharanta H, Ohnmeiss DD, Guyer RD: Discographic Pain Reports: Influence of Psychological Factors. *Spine* 21(3):334-338, 1996.
20. Guyer RD, Ohnmeiss DD: [letter] Response to Fraser's comments on Lumbar Discography Position Statement. *Spine* 21(10):1275-1276, 1996.
21. Ohnmeiss DD, Rashbaum RF, Bogdanffy GM: Prospective Outcome Evaluation of Spinal Cord Stimulation in Patients with Intractable Leg Pain. *Spine* 21(11):1344-1350, 1996.
22. Guyer RD, Ohnmeiss DD, Mason SL, Shelokov AP: Complications of Cervical Discography: Findings in a Large Series. *J Spinal Disord* 10(2):95-101, 1997.
23. Ohnmeiss DD, Vanharanta H, Ekholm J: Degree of Disc Disruption and Lower Extremity Pain. *Spine* 22(14):1600-1605, 1997.
24. Vanharanta H, Ohnmeiss DD, Aprill C: Vibratory Pain Provocation Can Improve the Specificity of MRI in the Diagnosis of Symptomatic Lumbar Disc Rupture. *Clin J Pain* 14(3):239-247, 1998.
25. Ohnmeiss DD, Vanharanta H, Ekholm J: Relationship of Pain Drawings to Invasive Tests Assessing Intervertebral Disc Pathology. *Europ Spine J* 8(2):126-131, 1999.
26. Ohnmeiss DD, Vanharanta H, Ekholm J: The Relationship between Pain Location and Disc Pathology: A Study of Pain Drawings and CT/Discography. *Clin J Pain* 15(3):210-217, 1999.
27. Regan JJ, Aronoff RJ, Ohnmeiss DD, Sengupta DK: Laparoscopic Approach to L4-5 for Interbody Fusion Using BAK Cages: Experience in the First 58 Cases. *Spine* 24(20):2171-2174, 1999.
28. Ohnmeiss DD, Guyer RD, Mason SL: Relationship of Cervical Discographic Pain Responses to Radiographic Images. *Clin J Pain* 16(1):1-5, 2000.
29. Ohnmeiss DD, Vanharanta H, Estlander AM, Jämsén A: The Relationship of Disability (Oswestry) and Pain Drawings to Functional Testing. *Europ Spine J* 8(2):127-131, 2000.
30. Ohnmeiss DD: Pain Drawings in the Evaluation of Lumbar Disc-Related Pain. Dissertation. Karolinska Institute; Stockholm, Sweden. April, 2000.
31. Ohnmeiss DD: Repeatability of Pain Drawings in a Low Back Pain Population. *Spine* 25(8):980-988, 2000.

32. Ohnmeiss DD, Guyer RD: Provocative Discography for Diagnostic Purposes in Patients with Discogenic Pain - Its Therapeutic Implications. *Current Anesthesiology Reports* 2(3):175-180, 2000.
33. Floyd T, Ohnmeiss DD: A Meta-Analysis of Autograft versus Allograft in Anterior Cervical Fusion. *Europ Spine J* 9:398-403, 2000.
34. Block AR, Ohnmeiss DD, Guyer RD, Rashbaum RF, Hochschuler SH: The Use of Presurgical Psychological Screening to Predict the Outcome of Spine Surgery. *Spine J* 1(4):274-282, 2001.
35. Ohnmeiss DD, Rashbaum RF: Patient Satisfaction with Spinal Cord Stimulation in the Treatment of Predominant Complaints of Chronic, Intractable Low Back Pain. *Spine J* 1(5):358-363; 2001.
36. Sengupta DK, Mehdian SMH, Mulholland RC, Webb JK, Ohnmeiss DD: Biomechanical Evaluation of Immediate Stability with Rectangular vs. Cylindrical Interbody Cages in Stabilization of the Lumbar Spine. *BMC Musculoskel J* 3(1):23, 2002.
37. Hochschuler SH, Ohnmeiss DD, Guyer RD, Blumenthal SL: Artificial Disc: Preliminary Results of a Prospective Study in the United States. *Europ Spine J* 11(Suppl 2):S106-110, 2002.
38. Blumenthal SL, Ohnmeiss DD, Guyer R, Hochschuler S, McAfee P, Garcia R, Salib R, Yuan H, Lee C, Bertagnoli R, Bryan V: Artificial Discs and Beyond: A North American Spine Society Annual Meeting Symposium. *Spine J* 2(6):460-463, 2003.
39. Guyer RD, Ohnmeiss DD: Contemporary Concepts Reviews: Lumbar Discography. *Spine J* 3(3S):11S-17S, 2003.
40. Blumenthal SL, Ohnmeiss DD: Contemporary Concepts Reviews: Intervertebral Cages for Degenerative Spinal Disease. *Spine J* 3(4):301-309, 2003.
41. Guyer RD, Ohnmeiss DD: Intervertebral Disc Prostheses. *Spine* 28(15S):S15-S23, 2003.
42. Zigler JE, Burd TA, Vialle EN, Sachs BL, Rashbaum RF, Ohnmeiss DD: Lumbar Spine Arthroplasty: Early Results using the ProDisc II - A Prospective Randomized Trial of Arthroplasty versus Fusion. *J Spinal Disord Tech* 16(4):352-361, 2003.
43. Chang Y, Guyer RD, Ohnmeiss DD, Moore S: Case Report: Intra-operative Left Common Iliac Occlusion in a Scheduled 360 Degree Spinal Fusion. *Spine* 28(16):E316-E319, 2003.
44. Blumenthal SL, Ohnmeiss DD, Guyer RD, Hochschuler SH: Prospective Study Evaluating Total Disc Replacement: Preliminary Results. *J Spinal Disord Tech* 16(5):450-454, 2003.
45. Guyer RD, McAfee PC, Hochschuler SH, Blumenthal SL, Fedder IL, Ohnmeiss DD, Cunningham BW: Prospective Randomized Study of the Charité Artificial Disc - Data from Two Investigational Centers. *Spine J* 4(6 Suppl):252S-259S, 2004.

46. Blumenthal SL, McAfee PC, Guyer RD, Hochschuler SH, Geisler FH, Holt RT, Garcia R Jr., Regan JJ, Ohnmeiss DD: A Prospective, Randomized, Multi-Center FDA IDE Study of Lumbar Total Disc Replacement with the CHARITÉ™ Artificial Disc vs. Lumbar Fusion: Part I – Evaluation of Clinical Outcomes. *Spine* 30(14):1565-1575, 2005.
47. Small S, Guyer RD, Ohnmeiss DD: Faces of Spine Care: From the Procedure Room: When Spinal Injection Becomes Advanced Imaging. *Spine J* 6(1):96-97, 2006.
48. Guyer RD, Patterson M, Ohnmeiss DD: Failed Back Surgery Syndrome: Diagnostic Evaluation. *J Am Acad Orthop Surg* 14(9):534-43, 2006.
49. Zigler JE, Ohnmeiss DD: Patient Selection for Lumbar Arthroplasty. *Seminars Spine Surgery* 18:40-46, 2006.
50. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Two to Three Year Follow-up of ProDisc-L: Results from a Prospective Randomized Trial of Arthroplasty Versus Fusion. *SAS J* 1(2):63-67, 2007.
51. Leahy M, Zigler JE, Ohnmeiss DD, Rashbaum RF, Sachs BL: Comparison of Results of Total Disc Replacement in Post-Discectomy Patients versus Patients with No Previous Lumbar Surgery. *Spine* 33(15):1690-1693, 2008.
52. Zigler JE, Ohnmeiss DD: Comparison of Two-level vs. One-level Total Disc Replacement: Data from a Prospective FDA-regulated Trial. *SAS J* 2(3):140-144, 2008.
53. Guyer RD, Siddiqui S, Zigler JE, Ohnmeiss DD, Blumenthal SL, Sachs BL, Hochschuler SH, Rashbaum RF: Lumbar Spinal Arthroplasty: Analysis of One Center's 20 Best and 20 Worst Clinical Outcomes. *Spine* 33(23):2566-2569, 2008.
54. Bosita RV, Hong T, Ohnmeiss DD: Avascular Necrosis of Lumbar Facet Joints Associated with Bilateral Facet Fractures. *Spine J* 9(6):e1-4, 2009.
55. Rohan MX Jr., Ohnmeiss DD, Guyer RD, Zigler JE, Blumenthal SL, Hochschuler SH, Sachs BL, Rashbaum RF: Relationship between the Length of Time Off Work Pre-operatively and Clinical Outcome at 24-month Follow-up in Patients Undergoing Total Disc Replacement or Fusion. *Spine J* 9(5):360-365, 2009.
56. Ohnmeiss DD, Guyer RD: 24-Month Follow-up for Reporting Results of Spinal Implant Studies: Is This Guideline Supported by the Literature? *SAS J* 3:100-107, 2009.
57. Guyer RD, Ohnmeiss DD: Advancements in Spinal Surgery. *US Musculoskeletal Review* 4:47-50, 2009.
58. Ohnmeiss DD, Bodemer W, Zigler JE: Effect of Adverse Events on Low Back Surgery Outcome: 24-month Follow-up Results from an FDA IDE Trial. *Spine* 35(7):835-838, 2010.
59. Marchetti J, Verma-Kurvari S, Patel N, Ohnmeiss DD: Are Electrodiagnostic Study Findings Related to Patient's Response to Epidural Steroid Injection? *PM R* 2(11):1016-20, 2010.
60. Guyer RD, Shellock J, MacLennan B, Hanscom D, Knight RQ, McCombe P, Jacobs JJ, Urban RM, Bradford D, Ohnmeiss DD: Early Failure of Metal-on-Metal Artificial Disc

- Prostheses Associated with Lymphocytic Reaction: Diagnosis and Treatment Experience in 4 Cases. *Spine* 36(7): E492–E497, 2011.
61. Coric D, Nunley PD, Guyer RD, Musante D, Carmody C, Gordon C, Laurysen C, Ohnmeiss DD, Boltes MO: Prospective, Randomized, Multicenter Study of Cervical Arthroplasty: 269 Patients from the Kineflex®/C Artificial Disc IDE Study with Minimum Two Year Follow-up. *J Neurosurg Spine* 15(4):348-358, 2011.
 62. Glenn JS, Yaker J, Guyer RD, Ohnmeiss DD: Anterior Discectomy and Total Disc Replacement for Three Patients with Multiple Third and Fourth Recurrent Lumbar Disc Herniations. *Spine J* 11(9):e1-e6, 2011.
 63. Tepper G, Ohnmeiss DD, Guyer RD: Retrograde Ejaculation—Make It Count. *SpineLine* XII(6):37-38, 2011.
 64. Thongtrangan I, Guyer RD, Ohnmeiss DD: Anterior Lumbar Arthroplasty. *Seminars Spine Surg* 24:32-36, 2012.
 65. Laurysen C, Coric D, Dimmig T, Musante D, Ohnmeiss DD, Stubbs HA: Cervical Total Disc Replacement Using a Novel Compressible Prosthesis: Results from a Prospective FDA-regulated Feasibility Study with 24-month Follow-up. *Internat J Spine Surg* 6:71-77, 2012.
 66. Bradley WD, Hisey MS, Verma-Kurvari S, Ohnmeiss DD: Clinical Outcome of a Minimally Invasive Trans-Sacral Approach to L5-S1 Interbody Fusion. *Internat J Spine Surg* 6:110-114, 2012.
 67. Rainey S, Blumenthal SL, Zigler JE, Guyer RD, Ohnmeiss DD: Analysis of Adjacent Segment Re-Operation Following Lumbar Total Disc Replacement. *Internat J Spine Surg* 6:140-144, 2012.
 68. Hu X, Ohnmeiss DD, Lieberman IH: Robotic-assisted Pedicle Screw Placement: Lessons Learned from the First 102 Patients. *Europ Spine J* 22(3):661–666, 2013.
 69. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Re-operations in Cervical Total Disc Replacement Compared with Anterior Cervical Fusion: Results Compiled from Multiple Prospective FDA IDE Trials Conducted at a Single Site. *Spine* 38(14):1177–1182, 2013.
 70. Hu X, Ohnmeiss DD, Lieberman IH: Use of an Ultrasonic Osteotome Device in Spine Surgery: Experience from the First 128 Patients. *Eur Spine J* 22(12):2845-2849, 2013.
 71. Rashbaum RF, Ohnmeiss DD: Psychology of the Spine Surgeon and other Spine Interventionalists. *SpineLine* November/December, 2013.
 72. Block AR, Marek RJ, Ben-Porath YS, Ohnmeiss DD: Associations between MMPI-2-RF Scores, Workers' Compensation Status, and Spine Surgery Outcome. Accepted for publication in *J Applied Biobehav Reseach*.
 73. Guyer RD, Pettine K, Roh JS, Dimmig TA, Coric D., McAfee, PC, Ohnmeiss DD: Comparison of Two Lumbar Total Disc Replacements: Results of a Prospective, Randomized, Controlled Multicenter Food and Drug Administration Trial with 24-month Follow-up. Accepted for publication in *Spine*.

BOOK CHAPTERS

1. Ohnmeiss DD, Stith WJ, Gilbert PJ, Rashbaum RF: *Treatment of Acute Low Back Pain*. In: Guyer RD (ed) SPINE - State of the Art Review: Lumbar Disc Disease. Hanley & Belfus; Philadelphia, Pennsylvania; January 1989; pp. 69-81.
2. Stith WJ, Ohnmeiss DD, Carranza CB, Hanks D: *Rehabilitation of Patients with Chronic Back Pain*. In: Guyer RD (ed) SPINE - State of the Art Review: Lumbar Disc Disease. Hanley & Belfus; Philadelphia, Pennsylvania; January 1989; pp. 125-138.
3. Ohnmeiss DD: *Modalities* (subchapter of Non-surgical Treatment of Sports-Related Spine Injuries). In: Hochschuler SH (ed): SPINE - State of the Art Review: Spinal Injuries in Sports. Hanley & Belfus, Philadelphia, Pennsylvania; May 1990; pp. 442-445.
4. Ohnmeiss DD: *Modalities* (subchapter of Non-surgical Treatment of Sports-Related Spine Injuries). In: Hochschuler SH (ed): The Spine in Sports. Hanley & Belfus, Philadelphia, Pennsylvania; 1990; pp. 242-245.
5. Ohnmeiss DD: *The Role of Education in the Treatment of Back Pain Patients*. In: Hochschuler SH, Guyer RD, Cotler HB (eds) Rehabilitation of the Spine: Science and Practice. Mosby Year Book, Chicago, Illinois; 1993; pp 19-24.
6. Guyer RD, Ohnmeiss DD: *Invasive Radiology and Pain Location*. In: Margulies J (ed) SPINE: State of the Art Review: Adult L5-S1 Surgery. Hanley & Belfus, Philadelphia, Pennsylvania; 1997; pp. 59-67.
7. Guyer RD, Ohnmeiss DD: *Pain Evaluation, Invasive Radiology, and Patient Selection in Previously Operated Patients*. In: Margulies J (ed) Revision Spine Surgery. Mosby; St. Louis, Missouri; 1999; pp. 201-210.
8. Sachs BL, Ohnmeiss DD: *Technique for Performing Lumbar Discography*. In: Büttner-Janz K, Hochschuler SH, McAfee PC (eds): The Artificial Disc. Springer-Verlag, Berlin, Germany; 2003; pp. 85-93.
9. Guyer RD, Ohnmeiss DD: *Degenerative Disc Disease: Fusion Cages and Dowels*. In: Herkowitz H, Dvorak J, Bell G, et al (eds): The Lumbar Spine, 3rd Edition. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania; 2004; pp. 342-351.
10. Blumenthal SL, Ohnmeiss DD: *Degenerative Disc Disease: Complications of Surgery*. In: Herkowitz H, Dvorak J, Bell G, et al (eds): The Lumbar Spine, 3rd Edition. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania; 2004; pp. 360-372.
11. Ohnmeiss DD, Rashbaum RF: *Management of the Failed Back Patient: Spinal Cord Stimulation*. In: Herkowitz H, Dvorak J, Bell G, et al (eds): The Lumbar Spine, 3rd Edition. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, 2004, pp 905-911.
12. Ohnmeiss DD, Blumenthal SL: *Evolution in the Treatment of Lumbar Disc-Related Pain*. In: Guyer RD, Zigler JE (eds): Spinal Arthroplasty: A New Era in Spine Care. Quality Medical Publishers, St. Louis, Missouri; 2005; pp. 3-24.

13. Spitler J, Sachs BL, Ohnmeiss DD: *Design Considerations for an Artificial Disc*. In: Guyer RD, Zigler JE (eds): Spinal Arthroplasty: A New Era in Spine Care. Quality Medical Publishers, St. Louis, Missouri; 2005; pp. 67-78.
14. Hochschuler SH, Ohnmeiss DD: *Artificial Disc: Clinical Results of Motion Segment Replacement*. In: Corbin TP, et al (eds): Advanced Spinal Surgical Technologies. Quality Medical Publishing, St. Louis, Missouri; 2005; pp. 519-526.
15. Ohnmeiss DD: *Imaging*. In: Whitaker C, Hochschuler SH (eds): Pocket Spine. Quality Medical Publishing, St. Louis, Missouri; 2006; pp. 13-28.
16. Guyer RD, Ohnmeiss DD: *Disc Replacement*. In: Slipman CW, Simeone F, Derby R, Mayer TG (eds): Interventional Spine: An Algorithmic Approach. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 1389-1396.
17. Singh K, Yakel DM, Wojewnik B, Ohnmeiss DD, Vaccaro A, Blumenthal SL: *Lumbar Spine Arthroplasty: Charité Total Disk Replacement*. In: Vaccaro A, Baron EM (eds): Operative Techniques: Spine Surgery. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 409-428.
18. Guyer RD, Ohnmeiss DD: *Socioeconomic Impact of Motion Preservation Technology*. In: Yue JJ, Bertagnoli R, McAfee PC, An HS (eds): Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 132-137.
19. Blumenthal SL, Ohnmeiss DD: *Charite Artificial Disc*. In: Yue JJ, Bertagnoli R, McAfee PC, An HS (eds): Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 309-317.
20. Blumenthal SL, Geisler F, Roush T, Ohnmeiss DD: *Simultaneous Lumbar Fusion and Total Disc Replacement*. In: Yue JJ, Bertagnoli R, McAfee PC, An HS (eds): Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 617-619.
21. Hochschuler SH, Ohnmeiss DD: *The Future of Motion Preservation*. In: Yue JJ, Bertagnoli R, McAfee PC, An HS (eds): Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies. Saunders Elsevier, Philadelphia, Pennsylvania; 2008; pp. 760-769.
22. Rashbaum RF, Ohnmeiss DD: *Facet Joint Anatomy and Approach for Denervation*. In: Ozgur B, Benzel E, Garfin SR (eds): Minimally Invasive Spine Surgery. Springer, New York, New York; 2009; 93-98.
23. Rashbaum RF, Block AR, Ohnmeiss DD: *Spine Clinics*. In: Fishman SM, Ballantyne JC, Rathmell JP (eds): Bonica's Management of Pain 4th Edition. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania; 2009; pp. 1532-1536.
24. Ohnmeiss DD: *Cognitive Therapy for Symptomatic Disc Degeneration*. In: Phillips FM, Laurysen C (eds): The Lumbar Intervertebral Disc. Thieme Medical, New York, New York; 2010; pp. 161-166.

25. Pereira M, Hochschuler SH, Ohnmeiss DD: *Inter-spinous Devices*. In: Phillips FM, Laurysen C (eds): The Lumbar Intervertebral Disc. Thieme Medical, New York, New York; 2010; pp. 191-197.
26. Guyer RD, Ohnmeiss DD: *How Disc Replacement Fits in the Treatment Algorithm for Degenerative Disc Disease: Refining Indications for Disc Replacement*. . In: Szpalski M, Gunzburg R, Rydevik, BL, Le Huec J-C, Mayer HM (eds): Surgery for LowBackPain. Springer, Heidelberg, Germany; 2010; pp 177-182.
27. Guyer RD, Ohnmeiss DD: *Prospective Randomized Comparison of Two Lumbar Total Disc Replacements*. In: Szpalski M, Gunzburg R, Rydevik, BL, Le Huec J-C, Mayer HM (eds): Surgery for LowBackPain. Springer, Heidelberg, Germany; 2010; pp 193-198.
28. Guyer RD, Ohnmeiss DD, Strauss KR: *Overview of Pedicle Screw Based Posterior Dynamic Stabilization Systems*. In: Szpalski M, Gunzburg R, Rydevik, BL, Le Huec J-C, Mayer HM (eds): Surgery for LowBackPain. Springer, Heidelberg, Germany; 2010; pp 221-226.
29. Hochschuler SH, Ohnmeiss DD: *Economics of Spine Care*. In: Yue JJ, Guyer RD, Johnson JP, Khoo LT, Hochschuler SH (eds): The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques. Elsevier, Philadelphia, Pennsylvania; 2010; pp. 443-446.
30. Araghi A, Ohnmeiss DD: *Natural History of the Degenerative Cascade*. In: Yue JJ, Guyer RD, Johnson JP, Khoo LT, Hochschuler SH (eds): The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques. Elsevier, Philadelphia, Pennsylvania; 2010; pp. 20-24.
31. Guyer RD, Ohnmeiss DD: *How to Calculate the Cost of Spine Care*. In: Rihn JA, Vaccaro AR, Albert TJ (eds): Defining the Value of Spine Care. Jaypee Brothers Medical Publishers, New Delhi, India; 2012; pp. 109-118.
32. Ohnmeiss DD: *Numerical Rating Scales*. In: Rihn JA, Vaccaro AR, Albert TJ (eds): Defining the Value of Spine Care. Jaypee Brothers Medical Publishers, New Delhi, India; 2012; pp. 73-80.
33. Guyer RD, Ohnmeiss DD: *Mini-ALIF: Anterior Lumbar Interbody Fusion*. In Singh K, (eds): Minimally Invasive Spine Surgery: An Algorithmic Approach. Jaypee Brothers Medical Publishers. New Delhi, India; 2013, pp. 44-49.
34. Blumenthal SL, Ohnmeiss DD: *Neural and Dural Injuries*. In: Frank M. Phillips FM, Lieberman IH, Polly DW, Jr. (eds): Minimally Invasive Spinal Surgery: Surgical Techniques and Disease Management. Springer Science+Business Media, to be published in 2014.
35. Morrison T, Guyer RD, Ohnmeiss DD: *Complications of Cervical Disc Replacement*. In: Kim D, Cammisa FP, Fessler RG, Sengupta DK, Yoon KJ (eds): Dynamic Reconstruction of the Spine 2nd Edition. Thieme Medical Publishers, New York, New York, to be published in 2014.

36. Ilalov K, Guyer RD, Zigler JE, Ohnmeiss DD: *Clinical Results of Total Lumbar Disc Replacement, Including Update of IDE Trials*. In: Kim D, Cammisa FP, Fessler RG, Sengupta DK, Yoon KJ (eds): Dynamic Reconstruction of the Spine 2nd Edition. Thieme Medical Publishers, New York, New York, to be published in 2014.
37. Ohnmeiss DD: *Imaging*. In: Whitaker C, Hochschuler SH (eds): Pocket Spine. 2nd edition. Quality Medical Publishing, St. Louis, Missouri; to be published in 2014.

PRESENTATIONS

1. Loguidice VA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Stith WJ, Ohnmeiss DD: Anterior Lumbar Interbody Fusions. North American Spine Society. June, 1987; Banff, Canada.
2. Guyer RD, Collier R, Rashbaum RF, Hochschuler SH, Stith WJ, Ohnmeiss DD, Loguidice VA: Extraosseous Spinal Lesions Mimicking Disc Disease. North American Spine Society. June, 1987; Banff, Canada.
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18. Guyer RD, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Regan JJ: Comparison of Single Level Arthroscopic Microdiscectomy to Laminectomy and Discectomy. International Intradiscal Therapy Society. April, 1991; Houston, Texas.
19. Ohnmeiss DD: Spinal Cord Stimulation: Evaluation Methods and Initial Results. Spinal Cord Stimulation Workshop. June, 1991; Plano, Texas.
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26. Guyer RD, Hochschuler SH, Ohnmeiss DD, Stith WJ, Spivey MA, Castleman C, Rashbaum RF, Regan JJ: Dynamic MRI: A New Technique to Identify Functional Pathology in the Spine. Federation of Spine Associations. February, 1992; Washington, D.C.
27. Herbert M, Kent D, Rashbaum R, Ohnmeiss D: Transfer of Intervertebral Disc Pressure to Adjacent Discs During Discography. International Society for the Study of the Lumbar Spine. May, 1992; Chicago, Illinois.
28. Floyd T, Hochschuler SH, Vanharanta H, Ohnmeiss DD, Guyer RD: The Relationship of Facet Tropism to Degenerative Disc Disease. North American Spine Society. July, 1992; Boston, Massachusetts.
29. Bogdanffy GM, Ohnmeiss DD, Guyer RD, Griffith SL: Bone Mineral Density Above a Multi-Segmental Lumbar Spinal Fusion. American Society for Bone and Mineral Research. September, 1992; Minneapolis, Minnesota.
30. Bogdanffy GM, Griffith SL, Ohnmeiss DD: Force/Velocity Relationship in Elite and Competitive Road and Track Cyclists. American Physiological Society/American College of Sports Medicine Joint Symposium. September, 1992; Colorado Springs, Colorado.
31. Griffith SL, Bogdanffy GM, Ohnmeiss DD, Rashbaum RF: Isometric Quadriceps Function Improves After Spinal Cord Stimulation Indicated for Intractable Leg Pain. American Physiological Society/American College of Sports Medicine joint symposium. September, 1992; Colorado Springs, Colorado.
32. Ohnmeiss DD: Results of Spinal Cord Stimulation: One Year Follow-up. Spinal Cord Stimulation Workshop. October, 1992; Plano, Texas.
33. Floyd T, Vanharanta H, Ohnmeiss DD, Guyer RD, Hochschuler SH: The Relationship of Facet Tropism to Degenerative Disc Disease. Schriners Residents and Fellows Conference. November, 1992; New Orleans, Louisiana.
34. Ohnmeiss DD: Results of Spinal Cord Stimulation for Intractable Leg Pain. RING-EBI Workers Compensation Specialist meeting. January, 1993; Plano, Texas.
35. Floyd T, Hochschuler SH, Ohnmeiss DD, Vanharanta H: The Relationship of Facet Tropism to Degenerative Disc Disease. American Academy of Orthopaedic Surgeons. February, 1993; San Francisco, California.

36. Block A, Guyer RD, Hochschuler SH, Ohnmeiss DD, Vanharanta H: Discographic Pain Report: Influence of Psychological Factors. American Academy of Orthopaedic Surgeons. February, 1993; San Francisco, California.
37. Floyd T, Hochschuler SH, Ohnmeiss DD, Vanharanta H: The Relationship of Facet Tropism to Degenerative Disc Disease. American Academy of Orthopaedic Surgeons. February, 1993; San Francisco, California.
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39. Rashbaum RF, Ohnmeiss DD, Bogdanffy GM, Guyer RD: Prospective Outcome Evaluation of Spinal Cord Stimulation for Intractable Leg Pain. International Society for the Study of the Lumbar Spine. June, 1993; Marseilles, France.
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42. Ohnmeiss DD, Hochschuler SH, Guyer RD, Weinhoffer SL: Laser Disc Decompression: The Importance of Proper Patient Selection. North American Spine Society. October, 1993; San Diego, California.
43. Weinhoffer SL, Guyer RD, Herbert M, Griffith SL, Ohnmeiss DD: In Vitro Intradiscal Pressure Measurements Above a Simulated Fusion. North American Spine Society. October, 1993; San Diego, California.
44. Rashbaum RF, Ohnmeiss DD, Bogdanffy GM, Guyer RD: Prospective Outcome Evaluation of Spinal Cord Stimulation for Intractable Leg Pain. North American Spine Society. October, 1993; San Diego, California.
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47. Bogdanffy GM, Ohnmeiss DD: Relationship and Reliability of Ultrasound and Dual Energy X-Ray Absorptiometry (DXA) for the Assessment of Bone. Orthopaedic Research Society. February, 1994; New Orleans, Louisiana.
48. Ohnmeiss DD: Pain Drawings. ASG (Austrian-Swiss-German) Traveling Fellows Conference. March, 1994; Plano, Texas.

49. Bogdanffy GM, Griffith SL, Ohnmeiss DD: Comparison of the Changes in Two Functional Isometric Parameters in Spinal Fusion Patients. American College of Sports Medicine. June, 1994; Indianapolis, Indiana.
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51. Guyer RD, Ruoff M, Ohnmeiss DD: Combined Anterior-posterior Lumbar Spinal Fusion: Is it Safe? North American Spine Society; October, 1994; Minneapolis, Minnesota.
52. Bogdanffy GM, Ohnmeiss DD: Changes in Physical Function and Pain Following Lumbar Spinal Fusion and Progressive Active Rehabilitation. North American Spine Society; October, 1994; Minneapolis, Minnesota.
53. Vanharanta H, Ohnmeiss DD, Guyer RD: Are Lumbar Flexion-Extension Films Useful in Identifying Discogenic Pain? North American Spine Society; October, 1994; Minneapolis, Minnesota.
54. Novotny SR, Guyer RD, Regan JJ, Ohnmeiss DD: Laparoscopic Assisted Anterior Lumbar Interbody Fusion. North American Spine Society; October, 1994; Minneapolis, Minnesota.
55. Ohnmeiss DD: Pain Drawings in Back Pain Patients: Collaborative Work with Karolinska Institute. Neuroscience Conference. December, 1994; Plano, Texas.
56. Blumenthal SL, Regan JJ, Guyer RD, Novotny S, Ohnmeiss DD: Laparoscopic Assisted Anterior Lumbar Interbody Fusion. International Society for the Study of the Lumbar Spine. June, 1995; Helsinki, Finland.
57. Vanharanta H, Aprill CN, Ohnmeiss DD: Vibration as a Diagnostic Tool for Lumbar Disease. North American Spine Society. October, 1995; Washington, D.C.
58. Ohnmeiss DD, Vanharanta H: The Relationship of Pain Drawings to Invasive Tests Assessing Disc Pathology. North American Spine Society. October, 1995; Washington, D.C.
59. Guyer RD, Ohnmeiss DD, Mason SL, Shelokov AP: The Relationship of Cervical Discographic Pain Responses and Radiographic Images. North American Spine Society. October, 1995; Washington, D.C.
60. Mason SL, Shelokov AP, Guyer RD, Ohnmeiss DD: Complications of Cervical Discography: Findings in a Large Series. North American Spine Society. October, 1995; Washington, D.C.
61. Regan JJ, Ohnmeiss DD, Thompson T, Griffith SL: Laparoscopic-Assisted Fusion of the Lumbar Spine: A Comparison to Open Procedures. North American Spine Society. October, 1995; Washington, D.C.
62. Mason SL, Shelokov AP, Guyer RD, Ohnmeiss DD: Complications of Cervical Discography: Findings in a Large Series. American Academy of Orthopaedic Surgeons. February, 1996; Atlanta, Georgia.

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64. Ohnmeiss DD, Vanharanta H: Degree of Internal Disc Disruption Associated with Lower Extremity Pain. International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
65. Block AR, Ware D, Ohnmeiss DD, Guyer RD, Pladjewitz C: Initial Results from a Psycho-Social Screening Package for Spine Surgery Candidates. International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
66. Ohnmeiss DD, Vanharanta H: Degree of Disc Disruption Associated with Lower Extremity Pain. North American Spine Society. October, 1996; Vancouver, Canada.
67. Ohnmeiss DD, Vanharanta H: Degree of Disc Disruption Associated with Lower Extremity Pain. American Academy of Orthopaedic Surgeons. February, 1997; San Francisco, California.
68. Guyer RD, Ohnmeiss DD, Vanharanta H, Mason SL: Are Results of Lumbar and Cervical Discography Similar? Spine Across the Sea. March, 1997; Hawaii.
69. Ohnmeiss DD: Relationship of Pain Drawings to Lumbar Disc Pathology. Neuroscience Conference; May, 1997; Plano, Texas.
70. Ohnmeiss DD: Statistics in Medical Literature. Journal Club. January, 1998; Plano, Texas.
71. Massoud B, Ohnmeiss DD, Rinn C, Guyer RD, Hochschuler SH, Rashbaum RF, Blumenthal SL, Zigler JE, Regan JJ, Fulp T: Results of Hardware Removal in the Lumbar Spine and the Role of Diagnostic Hardware Injection. Dialogue and Controversy in Spinal Surgery. April, 1998; Stove Mountain, Georgia.
72. Hochschuler SH, Hyde J, Ohnmeiss DD: Posterior Lumbar Decompression and Fusion Using Local Bone Graft and Spinal Fixation. Dialogue and Controversy in Spinal Surgery. April, 1998; Stove Mountain, Georgia.
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74. Ohnmeiss DD: Report from the International Society for the Study of the Lumbar Spine Meeting. Neuroscience Conference. June, 1998; Plano, Texas.
75. Ohnmeiss DD: Repeatability of Pain Drawings in a Low Back Pain Population. North American Spine Society. October, 1998; San Francisco, California.
76. Regan JJ, Ohnmeiss DD, Risk D: Prospective Evaluation of Return to Work in a Lumbar Fusion Population. North American Spine Society. October, 1998; San Francisco, California.
77. Regan JJ, Ohnmeiss DD, Risk D: Laparoscopic Anterior Lumbar Interbody Fusion: Analysis of Learning Curve and Comparison to Open Cage Procedures. North American Spine Society. October, 1998; San Francisco, California.

78. Ohnmeiss DD: Pain Drawings and Lumbar Discogenic Pain. Department of Rehabilitation, Karolinska Institute. November, 1998; Stockholm, Sweden.
79. Simpson NS, Blumenthal SL, Guyer RD, Ohnmeiss DD, Risk DE: Anterior Lumbar Interbody Fusion with Threaded Fusion Cages: Technique, Feasibility, and Safety. American Spinal Injury Association. April, 1999; Atlanta, Georgia.
80. Ohnmeiss DD, Vanharanta H, Ekholm E: The Relationship Between Pain Location and Intervertebral Disc Pathology at specific Lumbar Levels. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
81. Sengupta D, Ohnmeiss DD, Mulholland R, Webb J, Guyer RD, Zigler JE, Hochschuler SH: Fulcrum Assisted Soft Stabilization (FASS) in the Treatment of Activity Related Low Back Pain – A New Concept. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
82. Guyer RD, Goodwin C, Ohnmeiss DD, Guthner D: Capacitively Coupled stimulation for Lumbar Spine Fusion: Clinical Improvement Analysis from a Randomized Double-Blind Trial. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
83. Block AR, Guyer RD, Rashbaum RF, Hochschuler SH, Ohnmeiss DD: Use of Presurgical Psychosocial Screening to Predict Spine Surgery Outcome. North American Spine Society. October, 1999; Chicago, Illinois.
84. Ohnmeiss DD: Pain Drawings in the Evaluation of Lumbar Disc-related Pain. Neuroscience Conference. June, 2000; Plano, Texas.
85. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation for Predominant Complaints of Chronic Low Back Pain. Spine Across the Sea, joint meeting of the North American Spine Society and the Japanese Spine Research Society. July, 2000; Kona, Hawaii.
86. Sengupta DK, Ohnmeiss DD, Webb JK, Mulholland RC: Effect of Fulcrum Assisted Soft Stabilization vs. Rigid Fixation in Disc Unloading and Flexibility of the Stabilized and the Adjacent Segment in the Lumbar Spine – A Cadaver Study. Spine Across the Sea, joint meeting of the North American Spine Society and the Japanese Spine Research Society. July, 2000; Kona, Hawaii.
87. Sengupta DK, Ohnmeiss DD, Dorgan JC, Findlay GF: Can Hindbrain Decompression for Syringomyelia Lead to Regression of Scoliosis? Spine Across the Sea, joint meeting of the North American Spine Society and the Japanese Spine Research Society. July, 2000; Kona, Hawaii.
88. Regan JJ, Ohnmeiss DD, Hochschuler SH, Blumenthal SL, Guyer RD: Comparison of Laparoscopic to Mini-Open Fusion at the L4-5 Level. North American Spine Society. October, 2000; New Orleans, Louisiana.
89. Block AR, Ohnmeiss DD: MMPI Profiles Predict the Outcome of Spinal Surgery. North American Spine Society. October, 2000; New Orleans, Louisiana.
90. Wacholtz E, Block AR, Ohnmeiss DD: Responsiveness to Spine Surgery: Effects of Spousal Solicitousness on Short-Term Recovery. North American Spine Society. October, 2000; New Orleans, Louisiana.

91. Corbin T, Guyer RD, Ohnmeiss DD: Outcomes of Spinal Fusion Supplemented with Capacitively Coupled Electrical Stimulation. North American Spine Society. October, 2000; New Orleans, Louisiana.
92. Blumenthal SL, McAfee PC, Hochschuler SH, Guyer RD, Fedder I, Ohnmeiss DD: Prospective Evaluation of the SB Charité III Disc Prosthesis. Spine Society of Australia. April, 2001; Australia.
93. Burton DC, Ohnmeiss DD, Zigler JE, Blumenthal SL, Rashbaum RF, Guyer RD, Regan JJ: Anterior Cervical Discectomy and Fusion with Allograft Bone and Plate Fixation. American Spinal Injury Association. May, 2001; Long Beach, California.
94. Hisey MS, Bash J, Ohnmeiss DD, Zigler JE, Guyer RD, Blumenthal SL, Regan JJ, Hochschuler SH, Rashbaum RF: Is There an Association Between Using ADCON-L™ and the Incidence of Recurrent Disc Herniation? American Spinal Injury Association. May, 2001; Long Beach, California.
95. Hochschuler SH, Ohnmeiss DD: Artificial Discs: A Comprehensive Review and Clinical Experience. (Winner of the Lyman Smith Award for Best Paper). International Intradiscal Therapy Society. May, 2001; Phoenix, Arizona.
96. Ohnmeiss DD: Questionnaires Used in the Evaluation of Low Back Pain Patients. Neuroscience Conference. June, 2001; Plano, Texas.
97. Hochschuler SH, Ohnmeiss DD, Hyde JA: Posterior Lumbar Fusion Using Local Bone Graft and Pedicle Screw Fixation. International Society for the Study of the Lumbar Spine. June, 2001; Edinburgh, Scotland.
98. Ohnmeiss DD: Highlights from the International Society for the Study of the Lumbar Spine Annual Conference. Neuroscience Conference. June, 2001; Plano, Texas.
99. Ohnmeiss DD: Preparing Educational Materials. Information Technology Symposium. North American Spine Society. November, 2001; Seattle, Washington.
100. Ohnmeiss DD: Treatment of Failed Back Surgery Syndrome. Symposium on Failed Back Surgery Syndrome. American Pain Society. March, 2002; Baltimore, Maryland.
101. Block AR, Ohnmeiss DD: Cluster Analysis of MMPI Scores and Their Relationship to Spine Surgery Outcome. (Poster Award Winner) American Pain Society. March, 2002; Baltimore, Maryland.
102. Ohnmeiss DD: Frequently Used Questionnaires for Back Pain Patients. Neuroscience Conference. March, 2002; Plano, Texas.
103. Henry S, Ohnmeiss DD, Guyer RD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion For Discographically Proven Pain. Meeting of the Americas. April, 2002; New York, New York.
104. Sachs BL, McVoy J, Miller B, Ohnmeiss DD: A Prospective, Randomized Comparison of Laparoscopic to Open Anterior Lumbar Interbody Fusion With Cages. Meeting of the Americas. April, 2002; New York, New York.

105. Ohnmeiss DD, Guyer RD, Hochschuler SH, Rashbaum RF, Blumenthal SL, Zigler JE: Influence of Scan Projection on the Diagnosis of Osteoporosis in a Low Back Pain Population. Meeting of the Americas. April, 2002; New York, New York.
106. Ohnmeiss DD: Research and Emerging Medical Technology. Tarleton State University – Pre-medical and Pre-veterinary Sciences Club lecture series. April, 2002; Stephenville, Texas.
107. Blumenthal SL, Guyer RD, Hochschuler SH, Ohnmeiss DD: Preliminary Results of a Prospective Study Using the SB Charité III Disc Prosthesis. Spine Society of Australia. April, 2002; Melbourne, Australia.
108. Guyer RD, Blumenthal SL, Hochschuler SH, Ohnmeiss DD: US Experience with the SB Charité Artificial Disc. Spinal Arthroplasty Society. May, 2002; Montpellier, France.
109. Ohnmeiss DD: Writing for Scientific Publication. Neuroscience Conference. September, 2002; Plano, Texas.
110. Block AR, Ohnmeiss DD: Cluster Analysis of MMPI Scores and Their Relationship to Spine Surgery Outcome. North American Spine Society. October, 2002; Montreal, Canada.
111. Ohnmeiss DD: Failed Back Patients: Who and How. Managing the Low Back “Train Wreck” symposium. November, 2002; Plano, Texas.
112. Sachs BL, McVoy J, Miller B, Ohnmeiss DD: A Prospective, Randomized Comparison of Laparoscopic to Open Anterior Lumbar Interbody Fusion With Cages. American Academy of Orthopaedic Surgeons. February, 2003; New Orleans, Louisiana.
113. Zigler JE, Boden S, Ohnmeiss DD: Evaluation of Iliac Crest Reconstruction in Patients Undergoing Spinal Fusion Using Iliac Crest Autograft. American Spinal Injury Association. April, 2003; Miami, Florida.
114. Guyer RD, Blumenthal SL, Hochschuler SH, Ohnmeiss DD: Prospective outcome evaluation of a Total Disc Replacement. Spine Society of Australia. April, 2003; Canberra, Australia.
115. Sachs BL, Hisey MS, Zigler JE, Burd T, Ohnmeiss DD: Clinical Comparison of Percutaneous (Minimally Invasive) Placement of Pedicle Screws Versus Standard Open Pedicle Screw Placement. International Meeting on Advanced Spinal Techniques (IMAST), July, 2003; Rome, Italy.
116. Guyer RD, Blumenthal SL, Hochschuler SH, Ohnmeiss DD: Prospective Outcome Evaluation of a Total Disc Replacement. Spine Across the Sea. July, 2003; Maui, Hawaii.
117. Zigler JE, Burd T, Vialle E, Sachs BL, Rashbaum RF, Ohnmeiss DD: Lumbar Spine Arthroplasty: Early Results Using the ProDisc II: A Prospective Randomized Trial of Arthroplasty Versus Fusion. Spine Across the Sea. July, 2003; Maui, Hawaii.
118. Guyer RD, Blumenthal SL, Hochschuler SH, Ohnmeiss DD: Preliminary Experience with the SB Charité III Disc Prosthesis. World Spine. August 2003; Chicago, Illinois.

119. Sachs BL, Miller B, Tynsen M, Ledet E, Vialle E, Ohnmeiss DD. A Bone Growth Dose-Response Study of OP-1 Putty in Interbody Fusion. *World Spine*. August 2003; Chicago, Illinois.
120. Sachs BL, Connolly R, Vialle E, Ohnmeiss DD: In Vivo Evaluation of Interbody Fusion Using RhOP-1 in a Baboon Model. *World Spine*. August 2003; Chicago, Illinois.
121. Guyer RD, Hochschuler SH, Ohnmeiss DD, Blumenthal SL: Prospective Outcome Evaluation of Total Disc Replacement: A 12- to 24-Month Follow-Up Study. *North American Spine Society*. October, 2003; San Diego, California.
122. Ohnmeiss DD: Basics of Preparing Power Point Presentations (Pre-course: Power Point) *North American Spine Society*. October, 2003; San Diego, California.
123. Guyer RD, Hochschuler SH, Blumenthal SL, Ohnmeiss DD: Prospective Outcome Evaluation of Total Disc Replacement. *American Academy of Orthopaedic Surgeons*. March, 2004; San Francisco, California.
124. Ohnmeiss DD: Management of Clinical Trials: Basics & Trends. *Neuroscience Lecture Series*. March, 2004; Plano, Texas.
125. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Results of a Prospective Randomized Trial of Total Disc Replacement. *American Academy of Orthopaedic Surgeons*. March, 2004; San Francisco, California.
126. Blumenthal S, McAfee P, Guyer R, Hochschuler S, Garcia R, Regan J, Ohnmeiss D: Randomized Control Trial of the Charité Artificial Disc vs. Fusion for Single Level Lumbar Degenerative Disc Disease: A Two-Year Follow-up Study. *Spinal Arthroplasty Society*. May, 2004; Vienna, Austria.
127. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 12 to 24-month Follow-up Results of a Prospective, Randomized Comparison to Fusion. *Spinal Arthroplasty Society*. May, 2004; Vienna, Austria.
128. Blumenthal SL., Sohn JM, Guyer RD, Hochschuler SH, Ohnmeiss DD: Range of Motion Analysis of the Lumbar Spine after Total Disc Replacement: A Prospective Two-Year Follow-Up Study. *Spinal Arthroplasty Society*. May, 2004; Vienna, Austria.
129. Hochschuler SH, Whitaker C, Zigler JE, Guyer RD, Sachs BL, Blumenthal SL, Rashbaum RF, Ohnmeiss DD: Comparison of Return to Work Following Total Disc Arthroplasty vs. Fusion: A Prospective, Randomized Study. *Spinal Arthroplasty Society*. May, 2004; Vienna, Austria.
130. Sachs BL, Gottlieb J, Guyer RD, Zigler JE, Rashbaum RF, Hochschuler SH, Blumenthal SL, Whitaker C, Ohnmeiss DD: Comparison of Complications Associated with Total Disc Replacement versus Lumbar Fusion at Two-year Follow-Up. *Spinal Arthroplasty Society*. May, 2004; Vienna, Austria.
131. Zigler J, Burd T, Vialle E, Rashbaum R, Sachs B, Ohnmeiss D: Lumbar Spine Arthroplasty - Early Results of a Prospective Randomized Trial of Arthroplasty vs. Fusion. *International Society for the Study of the Lumbar Spine*. June, 2004; Porto, Portugal.

132. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Results of a Prospective, Randomized Study Comparing Total Disc Replacement to Fusion. International Meeting on Advanced Spinal Techniques (IMAST). July, 2004; Bermuda.
133. Ohnmeiss DD: AMA & AdvaMed Guidelines for Gifts to Physicians. Neuroscience Lecture Series. October, 2004; Plano, Texas.
134. Ohnmeiss DD, Guyer RD: 24-month Follow-up for Reporting Results of Spinal Implant Studies: Is This Guideline Supported by the Literature? North American Spine Society. October, 2004; Chicago, Illinois.
135. Blumenthal S, McAfee P, Guyer R, Hochschuler S, Garcia R, Regan J, Ohnmeiss D: Prospective, Randomized, Multicenter Comparison of Artificial Disc vs. Fusion for Single Level Lumbar Degenerative Disc Disease: A Two-Year Follow-up Study. North American Spine Society. October, 2004; Chicago, Illinois.
136. Zigler JE, Burd T, Vialle E, Sachs BL, Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 12 to 24-month Follow-up Results of a Prospective, Randomized Comparison to Fusion. North American Spine Society. October, 2004; Chicago, Illinois.
137. Ohnmeiss DD: Clinical Research: Compliance Update. Neuroscience Lecture Series. January, 2005; Plano, Texas.
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213. Ohnmeiss DD: Outcome Assessment, Evidence-Based Practice and Biostatistics. AAOS Board Maintenance of Certification Preparation and Review. November, 2010; Boston, Massachusetts.
214. Shellock J, Guyer RD, Hisey MS, Bradley WD, Kugler C, Ohnmeiss DD: Indirect Decompression of Lumbar Spondylolisthesis using anterior lumbar interbody fusion and minimally invasive pedicle screw fixation. Society for Minimally Invasive Spine Surgery. November, 2010; Las Vegas, Nevada.

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223. Ohnmeiss DD. Incorporating Research into your Practice. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
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225. Thongtrangan I, Ohnmeiss DD, Zigler JE, Guyer RD, Atanasov AM: Health-Related Quality of Life: How Does Symptomatic Disc Degeneration and Its Treatment with Total Disc Replacement Compare to Other Medical Conditions? North American Spine Society. November, 2011; Chicago, Illinois.

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227. Ohnmeiss DD: Incorporating Research into Private Practice. Transitions in Spine Surgery: Residency to Fellowship, Fellowship to Practice. January, 2012; Plano, Texas.
228. Ohnmeiss DD, Block AR, Ben-Porath Y, Burchette D: Analyzing the Relationships between Pain, Patient Expectations, and Satisfaction Following Spine Surgery. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
229. Blumenthal SL, Guyer RD, Ohnmeiss DD, Zigler JE: Comparison of Re-operations in Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Results with Mean 48 Month Follow-up. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
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235. Block AR, Ohnmeiss DD, Guyer RD, Atanasov A, Ben-Porath Y, Burchett D: Presurgical Psychological Screening: A New Algorithm, Including the MMPI-2-RF, for Predicting Spine Surgery Results. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
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243. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. North American Spine Society. October, 2012; Dallas, Texas.
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245. Ohnmeiss DD: Psychological Influences on Medical Diagnostic Testing (part of The Psychology of Spine Surgery Symposium). North American Spine Society. October, 2012; Dallas, Texas.
246. Ohnmeiss DD: Compliance in Clinical Research and Physician-Industry Relationships. Neuroscience Lecture Series. March, 2013; Plano, Texas.
247. Ohnmeiss DD: Compliance in FDA Trials: Review of Where Things Go Wrong. Inservice for Clinical Research Coordinators. March, 2013; Plano, Texas.
248. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Re-operations in Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Mean 48 Month Follow-up. American Academy of Orthopaedic Surgeons. March, 2013; Chicago, Illinois.
249. Blumenthal SL, Zigler JE, Guyer RD, Ohnmeiss DD: Long-term Evaluation of Re-operation Rates for Lumbar Total Disc Replacement and Fusion: Analysis of 1,237 Patients. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.

250. Block A, Ben-Porath Y, Marek R, Ohnmeiss DD, Guyer RD: Relationship of Workers Compensation Status, Psychological Profiles, and Clinical Outcome: Results of a Prospective, Multicenter Study. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
251. Hisey MS, Bonsignore C, Bradley WD, Verma-Kurvari S, Ohnmeiss DD: Clinical Outcome Following a Minimally Invasive Lumbar Decompression Technique for the Treatment of Lumbar Spinal Stenosis. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
252. Guyer RD, Shivers J, Ohnmeiss DD, Zigler JE: Implementation and Impact of Pre-operative Peer Case Review in a Spine Practice. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
253. Ohnmeiss DD: The Fate of Prospective Spine Studies Posted on ClinicalTrials.gov. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
254. Ohnmeiss DD: The Fate of Prospective Spine Studies Posted on ClinicalTrials.gov. International Society for the Study of the Lumbar Spine. May, 2013; Scottsdale, Arizona.
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259. Ohnmeiss DD: Outcome Assessments: The Good, the Bad and the Ugly. Data Collection, Value and Cost-Effectiveness of Spine Care (Symposium). North American Spine Society. October, 2013; New Orleans, Louisiana.
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- Method Compared with Traditional Manual Measurements. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
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274. Belanger TA, Ohnmeiss DD: Impact of Cervical Symptoms on Recreational Activities. Cervical Spine Research Society – European Section. May, 2013; Bordeaux, France.
275. Rogers RW, Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Clinical Outcomes Following Anterior Cervical Hybrid Surgery Using Total Disc Replacement Combined with Anterior Cervical Fusion at the Adjacent Segment. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
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MANAGING EDITOR OF THE FOLLOWING BOOKS AND MONOGRAPHS

1. Lumbar Disc Disease. SPINE-State of the Art Reviews. Edited by RD Guyer. Hanley & Belfus, Philadelphia, Pennsylvania; 1989.
2. Spinal Injuries in Sports. SPINE-State of the Art Reviews. Edited by SH Hochschuler. Hanley & Belfus, Philadelphia, Pennsylvania; 1990.
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6. Spinal Arthroplasty: A New Era in Spine Care. Edited by RD Guyer, JE Zigler. Quality Medical Publishing, St. Louis, Missouri; 2005.

OTHER ACTIVITIES

Designated Institutional Official for ACGME accredited Spine Surgery Fellowship program at Texas Back Institute

Developed training program for Clinical Research Coordinators responsible for execution of FDA IDE trials

Developed and chaired NASS pre-course for clinical research coordinators for 2007 and 2008 annual conferences

Course Director for the following accredited symposia:

Spine Care of the Injured Worker; June, 2002; Plano, Texas

Spine Care of the Injured Worker; November, 2002; Phoenix, Arizona

Managing the Low Back "Train Wreck"; November, 2002; Plano, Texas

Solutions for Workplace Spine Injuries; September, 2003; Phoenix, Arizona

Performed technical preparation for interactive patient education CDs:

Getting Ready for Surgery

Post-operative Care

Surgery Informed Consent (programmed to provide automated, printed, documentation of informed consent and patient responses to questionnaire)

Research Fellow (Graduate Advisor) Ola Grimsby Institute (1999 to 2002)