

CURRICULUM VITAE

Donna D. Ohnmeiss, Dr.Med.

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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 with major in Mathematics
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

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 2001
David Selby Award 2021 (to recognize contributions to the art and science of spinal disorder management through service to the North American Spine Society)
Leon Wiltse Overall Best Paper Award; International Society for the Advancement of Spine Surgery; Barcelona, Spain; March, 2012
Best Poster Award; International Society for the Advancement of Spine Surgery; San Diego, California; April, 2015
The Spine Journal Elite Reviewer 2019-present (1 of 13 selected); "Top Reviewers" for 2016 (1 of 9 reviewers selected)

SOCIETY MEMBERSHIPS AND COMMITTEES

International Society for the Study of the Lumbar Spine
US Central Regional Representative, 2010-2013
North American Spine Society
Board of Directors, 2015-2020
Education Publishing Chair, 2015-2018
Clinical Research Development Chair, 2018-2020
Program Co-chair for the 2018 annual conference
Outcomes Compendium Task Force, Chair, 2009-2020; member 2003-2006, member of the Outcomes Compendium Workgroup resulting in publication of Compendium of Outcome Instruments for Assessment and Research of Spinal Disorders, 2000)
Patient Education Committee Chair, 2007-2009, member 2002-2007
Education Publishing Committee member 2008-2010
Membership Review Committee Chair, 2011-2015, member 2003-2009
PhD and Allied Health Engagement Task Force Chair, 2014-2015
Publications Oversight Committee, 2007-2009
Clinical Research Development Committee, 2009-2020
Open Access Journal Task Force Chair, 2017-2018
SpineLine Editorial Board, 2015-present
Registry Committee, 2011-2020
NASS Advocacy Fly-In (Washington, DC) participant 2019
Board Structure Task Force, 2013-2015
Section on Surgical Technologies member 2021-present
Section on Sacroiliac Joint and Pelvic Girdle Pain member, 2021-present
Abstract reviewer for the 2003-2005, 2007, 2013, 2015, 2020, 2022 annual meetings and the 2009 NASS Spring Break conference

International Association for the Study of Pain

International Society for the Advancement of Spine Surgery
Program Committee 2008-2013, 2015 annual conferences
Basic Science Program Chair 2013 annual conference
Research Committee 2011-present

AO Spine

International Consortium for Health Outcomes Measurement, Spine Working Group member,
2013-2014 (project completion)

World Spine Care (former member)

HealthCare Compliance Association (former member)

International Intradiscal Therapy Society (former member)

PEER-REVIEWED JOURNAL POSITIONS

SPINE, Advisory Committee and reviewer

The Spine Journal, Editorial Board; Elite Reviewer

NASSJ, Associate Editor

International Journal of Spine Surgery (formerly *SAS J*), Special Deputy to the Editor-in-Chief
(inception-2014; Section Editor, 2014-present)

ACADEMIC ROLES

Designated Institutional Official for ACGME accredited Spine Surgery Fellowship program at
Texas Back Institute, 2008-2021

Graduate Advisor for the Ola Grimsby Institute, 1999-2002

Doctoral Committee Member for two students receiving PhDs in Psychology whose dissertation
research involved spine care

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. *Eur 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. *Eur 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. *Eur 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. *Eur 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, Lauryssen 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. *Int 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. *Int 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. *Int 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. *Eur 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. Büttner-Janzen K, Guyer RD, Ohnmeiss DD: Indications for Lumbar Total Disc Replacement: Selecting the Right Patient with the Right Indication for the Right Total Disc. *Int J Spine Surg* 8:doi: 10.14444/1012, 2014.
73. Sclafani JA, Liang K, Ohnmeiss DD, Gordon C: Clinical Outcomes of a Polyaxial Interspinous Fusion System. *Int J Spine Surg* 8:doi: 10.14444/1035, 2014.
74. Block AR, Marek RJ, Ben-Porath YS, Ohnmeiss DD: Associations between MMPI-2-RF Scores, Workers' Compensation Status, and Spine Surgery Outcome. *J Applied Biobehav Research* 19(4):248–267, 2014.
75. Ohnmeiss DD: The Fate of Prospective Spine Studies Registered on www.ClinicalTrials.gov. *Spine J* 15(3):487-491, 2015.
76. Hu X, Scharschmidt TJ, Ohnmeiss DD, Lieberman IH: Robotic Assisted Surgeries for the Treatment of Spine Tumors. *Int J Spine Surg* 9:doi: 10.14444/2001, 2015.
77. Hisey MS, Bae HW, Davis R, Gaede S, Hoffman G, Kim K, Nunley PD, Peterson D, Rashbaum RF, Stokes J, Ohnmeiss DD: Prospective, Randomized Comparison of Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Results at 48 Months Follow-up. *J Spinal Disord Tech* 28(4):E237-E243, 2015.
78. Hipp J, Guyer RD, Zigler JE, Ohnmeiss DD, Wharton ND: Development of a Novel Radiographic Measure of Lumbar Instability and Validation Using the Facet Fluid Sign. *Int J Spine Surg* 9:37; doi: 10.14444/2037, 2015.
79. Clement R, Welander A, Stowell C, Cha T, Chen J, Davies M, Fairbank J, Foley K, Gehrchen M, Hagg O, Jacobs W, Kahler R, Khan SN, Lieberman IH, Morrison B, Ohnmeiss DD, Peul W, Shonnard N, Smuck M, Solberg TK, Stromqvist B, van Hooff M,

- Wasan A, Willems P, Yeo W, Fritzell P: The Recommended Minimum Set of Metrics for Outcome Reporting in the Management of Low Back Pain. *Acta Orthop* 86(5):523-33, 2015.
80. Lieberman IH, Hu X, Ohnmeiss DD, Guyer RD, Zigler JE: Restoration of Cervical Alignment Is Associated with Improved Clinical Outcome after One and Two Level Anterior Cervical Discectomy and Fusion. *Int J Spine Surg* 9:61, 2015.
 81. Guyer RD, Pettine K, Roh JS, Dimmig TA, Coric D, McAfee, PC, Ohnmeiss DD: Five-year Follow-up of a Prospective, Randomized Trial Comparing Two Lumbar Total Disc Replacements. *Spine* 41(1):3-8, 2016.
 82. Musacchio MJ, Lauryssen C, Davis RJ, Bae HW, Pelozo JH, Guyer RD, Zigler JE, Ohnmeiss DD, Leary S: Evaluation of Decompression and Interlaminar Stabilization Compared with Decompression and Fusion for the Treatment of Lumbar Spinal Stenosis: 5-year Follow-up of a Prospective, Randomized, Controlled Trial. *Int J Spine Surg* 10:6 doi: 10.14444/3006, 2016.
 83. Rashbaum RF, Ohnmeiss DD, Lindley EM, Kitchel SH, Patel VV: Sacroiliac Joint Pain and Its Treatment. *Clin Spine Surg* 29(2):42-48, 2016.
 84. Hisey MS, Zigler JE, Jackson R, Nunley PD, Bae HW, Kim KD, Ohnmeiss DD: Prospective, Randomized Comparison of One-level Mobi-C Cervical Total Disc Replacement vs. Anterior Cervical Discectomy and Fusion: Results at 5-year Follow-up. *Int J Spine Surg* 10:10, 2016.
 85. Zigler JE, Rogers RW, Ohnmeiss DD: Comparison of One-Level versus Two-Level Anterior Cervical Discectomy and Fusion: Clinical and Radiographic Follow-Up at 60 Months. *Spine* 41(6):463-469, 2016.
 86. Blumenthal SL, Ohnmeiss DD: Does Surgery Have a Role in the Treatment of Patients with a Primary Complaint of Axial Low Back Pain? The Good, the Bad, and the Ugly. *SpineLine*, May/June:24-28, 2016.
 87. Guyer RD, Abitbol JJ, Ohnmeiss DD, Yao C: Evaluating Osseointegration into a Deeply Porous Titanium Scaffold: A Biomechanical Comparison with PEEK and Allograft. *Spine* 41(19):E1146-E1150, 2016.
 88. Coric D, Guyer RD, Nunley PD, Musante D, Carmody C, Gordon C, Lauryssen C, Boltes MO, Ohnmeiss DD: Prospective, Randomized, Multicenter Study of Cervical Arthroplasty versus Anterior Cervical Discectomy and Fusion: 5-year Results with a Metal-on-Metal Artificial Disc. *J Neurosurg Spine* 28(3):252-261, 2018.
 89. Zigler JE, Blumenthal SL, Guyer RD, Ohnmeiss DD, Patel L. Relationship of Range of Motion and Adjacent Level Degeneration Following Lumbar Total Disc Replacement: Results of a Prospective Study with 5-year Follow-up. *Spine* 43(20):1395-1400, 2018.
 90. Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Cervical Spine Symptoms? *Eur Spine J* 29(11):2665-2669, 2020.

91. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Analysis of Re-operations after Cervical Total Disc Replacement in a Consecutive Series of 535 Patients Receiving the ProDisc-C Device. *Eur Spine J* 29(11):2683-2687, 2020.
92. Guyer RD, Albano J, Ohnmeiss DD: Cervical Total Disc Replacement: Novel Devices. In *Neurosurg Clin N Amer* 32:449-460, 2021.
93. Perfetti DC, Galina JM, Derman PB, Guyer RD, Ohnmeiss DD, Satin AM: Risk Factors for Reoperation after Lumbar Total Disc Replacement at Short-, Mid-, and Long-term Follow-up. *Spine J* 21(7):1110-1117, 2021.
94. Guyer RD, Ferko N, Bonner A, Situ A, Ohnmeiss DD: Incidence and Resolution Strategies for Early-Onset Postoperative Leg Pain Following Lumbar Total Disc Replacement. *Int J Spine Surg* 15(5): 978-987, 2021.
95. Guyer RD, Coric D, Nunley PD, Sasso RC, Musacchio M, Bae HW, Ohnmeiss DD: Single-level Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Results of a Multicenter FDA IDE Trial with 24-month Follow-up. *Int J Spine Surg* 15(4):633-644, 2021.
96. Derman PB, Ohnmeiss DD, Lauderback A, Guyer RD: Indirect Decompression for the Treatment of Degenerative Lumbar Stenosis. *Int J Spine Surg* 15(6):1066-1071, 2021.
97. Zigler JE, Guyer RD, Blumenthal SL, Satin AM, Shellock JL, Ohnmeiss DD: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? Accepted for publication in *Eur Spine J*.
98. Guyer RD, Zigler JE, Blumenthal SL, Shellock JL, Ohnmeiss DD: Evaluation of Anterior Lumbar Interbody Fusion Performed Using a Stand-alone, Integrated Fusion Cage. Accepted for publication in *Int J Spine Surg*.

Currently Submitted for Publication

1. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Impact of Previous Lumbar Spine Surgery on the Outcome of Lumbar Total Disc Replacement: Analysis of Prospective 5-year Follow-up Study Data. Submitted to *Eur Spine J*.
2. Guyer RD, Coric D, Nunley PD, Ohnmeiss DD: Cervical Total Disc Replacement: Available Implant Size Matters. Submitted to *Clin Spine Surg*.
3. Coric D, Guyer RD, Bae H, Nunley PD, Strenge B, Pelosa JH, Boltes MO, Ohnmeiss DD: Prospective, Multicenter Study of Two-level Cervical Arthroplasty with a PEEK-on-Ceramic Artificial Disc. Submitted to *J Neurosurg Spine*.
4. Hochschuler SH, Ohnmeiss DD, Leasure J, Raji OR: Lateral Approach Interspinous-Interbody Fusion: An Investigation of Implant Fixation Biomechanics. Submitted to *Int J Spine Surg*.

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.
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221. Duffy MF, Zigler JE, Blumenthal SL, Guyer RD, Saqqa S, Ohnmeiss DD. Treatment Options for Two-Level Symptomatic Disc Degeneration: Comparison of Total Disc Replacement, Fusion, and Hybrid. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
222. Zigler JE, Samocha Y, Guyer RD, Blumenthal SL, Ohnmeiss DD. Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Data from Four Prospective, Randomized, Multicenter Trials. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
223. Ohnmeiss DD. Incorporating Research into your Practice. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
224. Ohnmeiss DD, Blumenthal SL, Guyer RD: Investigating the Potential Effect of “Euphoric Bias” for the New Technology on Results of Randomized Lumbar Total Disc Replacement Trials. North American Spine Society. November, 2011; Chicago, Illinois.
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.
226. Zigler JE, Guyer RD, Blumenthal SL, Hisey MS, Atanasov AM, Ohnmeiss DD: Total Disc Replacement vs. Anterior Cervical Fusion: Minimum 24-Month Follow-Up Data Combined from Six FDA IDE Trials at a Single Site. Cervical Spine Research Society. December, 2011; Scottsdale, Arizona.
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.
230. Morrison T, Guyer RD, Hisey MH, Atanasov A, Ohnmeiss DD, Zigler JE, Blumenthal SL: Clinical Outcome of Stand-alone Anterior Lumbar Interbody Fusion. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
231. Guyer RD, Ohnmeiss DD, Zigler JE, Blumenthal SL, Shivers J: Implementation of a Quality Assurance Program for Spine Surgery in a Multi-site Private Practice. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
232. Guyer RD, Blumenthal SL, Hisey MS, Bradley WD, Ohnmeiss DD: Indirect Decompression of Lumbar Spondylolisthesis Using Anterior Lumbar Interbody Fusion and Minimally Invasive Pedicle Screw Fixation. Spine Society of Australia. April, 2012; Sydney, Australia.
233. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Comparison of Re-operations in Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Results with Mean 48 Month Follow-up. Spine Society of Australia. April, 2012; Sydney, Australia.
234. Duffy MF, Guyer RD, Zigler JE, Blumenthal SL, Saqqa S, Ohnmeiss DD: Treatment Options for Two-Level Symptomatic Disc Degeneration: Comparison of Total Disc Replacement, Fusion, and Hybrid. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.
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.
236. Duffy MF, Ohnmeiss DD, Belanger TA, Guyer RD, Blumenthal SL, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. State of Spine Surgery: A Think Tank". June, 2012; Carlsbad, California.
237. Bradley WD, Edwards K, Hisey MS, Guyer RD, Zigler JE, Ohnmeiss DD: Extreme Lateral Interbody Fusion (XLIF): Clinical Results from One Center. Spine Across the Sea. July - August, 2012; Kauai, Hawaii.
238. Morrison T, Guyer RD, Atanasov A, Ohnmeiss DD, Zigler JE, Blumenthal SL: Clinical Outcome of Stand-Alone Anterior Lumbar Interbody Fusion. Spine Across the Sea. July - August, 2012; Kauai, Hawaii.
239. Ohnmeiss DD, Duffy MF, Belanger TA, Guyer RD, Blumenthal SL, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. Spine Across the Sea. July - August, 2012; Kauai, Hawaii.
240. Block AR, Belanger TA, Ben-Porath Y, Atanasov A, Ohnmeiss DD: Workers' Compensation versus Non Workers' Compensation: Differences in Personality. Spine Across the Sea. July - August, 2012; Kauai, Hawaii.

241. 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. Spine Across the Sea. July - August, 2012; Kauai, Hawaii.
242. Block AR, Atanasov A, Ohnmeiss DD, Guyer RD, Burchett D: Workers' Compensation Versus Non Workers' Compensation Patients: Are There Personality Differences? North American Spine Society. October, 2012; Dallas, Texas.
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.
244. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Comparison of Re-Operations in Cervical Total Disc Replacement vs. Anterior Cervical Fusion. North American Spine Society. October, 2012; Dallas, Texas.
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.
255. 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 International Society for the Study of the Lumbar Spine. May, 2013; Scottsdale, Arizona.
256. 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 Study of the Lumbar Spine. May, 2013; Scottsdale, Arizona.
257. Shellock J, Guyer RD, Shivers J, Ohnmeiss DD, Zigler JE: Implementation and Impact of a Pre-operative Peer Case Review Process in a Spine Practice. State of Spine Surgery: "Think Tank." June, 2013; Los Cabos, Mexico.
258. 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. North American Spine Society. October, 2013; New Orleans, Louisiana.
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.
260. Ohnmeiss DD: The Benefits of Intra- and Trans-Institutional Data Pooling. Collaborative Concepts in Spine Care: Outcomes Assessment in the New Vernacular of Value (Symposium). North American Spine Society. October, 2013; New Orleans, Louisiana.
261. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE; The Re-operation Rate in a Single Dataset Varies Significantly Depending on the Definitions Applied. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
262. Biehn J, Shellock J, Ohnmeiss DD, Guyer RD, Zigler JE: Use of Amniotic Membrane Anti-adhesion Barrier for Lumbar Discectomy. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
263. Ohnmeiss DD, Baker R, Guyer RD, Blumenthal SL, Zigler JE; The Re-operation Rate in a Single Dataset Varies Significantly Depending on the Definitions Applied. International Society for the Study of the Lumbar Spine. June, 2014; Seoul, Korea.
264. Ohnmeiss DD: Health Policy and Societal Implications: Is There a Potential Value for Early Spine Care? (part of symposium: Collaborative Concepts in Spine Care: Axial Pain in Late Adolescence and Early Adulthood: An Emerging Demographic). North American Spine Society. November, 2014; San Francisco, California.
265. Zigler JE, Rogers RW, Hisey MS, Davis RJ, Bae H, Ohnmeiss DD: Differences in Outcomes following ACDF in Patients with One and Two Level Symptomatic Cervical Disc Disease: Follow-up at Four Years in a Prospectively Collected Series of 186 Patients. Cervical Spine Research Society. December, 2014; Orlando, Florida.
266. Guyer RD, Otero-Lopez E, Blumenthal SL, Ohnmeiss DD, Zigler JE: Comparison of Clinical Outcomes for Anterior vs. 360 Fusion at the Fusion Level of Lumbar Hybrid Surgery. Spine Society of Australia. April, 2015; Canberra, Australia.

267. Guyer RD, Blumenthal SL, Ohnmeiss DD, Zigler JE: Long-Term Evaluation of Re-Operation Rates for Lumbar Total Disc Replacement and Fusion: Analysis of 1,279 Patients. Spine Society of Australia. April, 2015; Canberra, Australia.
268. Hipp JA, Guyer RD, Zigler JE, Ohnmeiss DD, Wharton N: A New Method Correlating an Objective Radiographic Metric for Lumbar Spine Stability and the Facet Fluid Sign on MRI. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
269. Guyer RD, Putney E, Carl A, Tepper G, Ohnmeiss DD: When Would a Spine Surgeon Have Surgery for a Herniated Disc? International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
270. Hipp JA, Zigler JE, Guyer RD, Ohnmeiss DD, Wharton N: Developing Normative Values for a Quantifiable, Clinically Applicable Method to Evaluate Lumbar Instability. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
271. Zigler JE, Rogers WR, Ohnmeiss DD: Comparison of One-Level versus Two-Level Anterior Cervical Discectomy and Fusion: Clinical and Radiographic Follow-Up at 60 Months in Patients Serving as Control Groups in Randomized Trials. Global Spine Congress. May, 2015; Buenos Aires, Argentina.
272. Owusu A, Zigler JE, Ohnmeiss DD, Guyer RD, Blumenthal SL: Pregnancy after Lumbar Total Disc Replacement. Global Spine Congress. May, 2015; Buenos Aires, Argentina. Global Spine Congress. May, 2015; Buenos Aires, Argentina.
273. Hipp C, Guyer RD, Zigler JE, Blumenthal SL, Ohnmeiss DD: Stand-alone Interbody Devices in the Treatment of Cervical Spine Disease. Global Spine Congress. May, 2015; Buenos Aires, Argentina.
274. Guyer RD, Otero-Lopez E, Zigler JE, Ohnmeiss DD, Blumenthal SL: Comparison of Clinical Outcomes for Anterior vs. 360 Fusion at the Fusion Level of Lumbar Hybrid Surgery. Global Spine Congress. May, 2015; Buenos Aires, Argentina.
275. Guyer RD, Putney E, Carl A, Tepper G, Ohnmeiss DD: When Would a Spine Surgeon Have Surgery for a Herniated Disc? Global Spine Congress. May, 2015; Buenos Aires, Argentina.
276. Blumenthal SL, Bradley WD, MD, Ohnmeiss DD: A Prospective, Randomized, Multicenter Study Comparing Two Interspinous Devices for the Treatment of Lumbar Stenosis. International Society for the Study of the Lumbar Spine. June, 2015; San Francisco, California.
277. Zigler JE, Owusu A, Ohnmeiss DD, Guyer RD, Blumenthal SL: Pregnancy after Lumbar Total Disc Replacement. Spine Across the Sea. July, 2015; Big Island, Kohala Coast, Hawaii.
278. Rogers, RW, Zigler JE, Ohnmeiss DD: Comparison of One-Level versus Two-Level Anterior Cervical Discectomy and Fusion: Clinical and Radiographic Follow-Up at 60 Months in Patients Serving as Control Groups in Randomized Trials. Spine Across the Sea. July, 2015; Big Island, Kohala Coast, Hawaii.

279. Ohnmeiss, DD, Guyer RD, Blumenthal SL, Zigler JE: The Re-operation Rate in a Single Dataset Varies Significant Depending on the Definitions Applied. *Spine Across the Sea*. July, 2015; Big Island, Kohala Coast, Hawaii.
280. 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. *Spine Across the Sea*. July, 2015; Big Island, Kohala Coast, Hawaii.
281. Otero-Lopez ER, Blumenthal SL, Ohnmeiss, Guyer RD, Zigler JE: Comparison of Clinical Outcomes for Anterior vs. 360 Fusion at the Fusion Level of Lumbar Hybrid (Total Disc Replacement / Fusion) Surgery. *Spine Across the Sea*. July, 2015; Big Island, Kohala Coast, Hawaii.
282. Hu X, Ohnmeiss DD, Zigler JE, Guyer RD, Lieberman IH: Restoration of Cervical Alignment is Associated with Improved Clinical Outcome after One and Two Level Anterior Cervical Discectomy and Fusion. *North American Spine Society*. October, 2015; Chicago, Illinois.
283. Hisey MS, Ohnmeiss DD, Bae HW: Impact of Adverse Events on Clinical Outcome: Results through Five-year Follow-up. *Cervical Spine Research Society*. December, 2015; San Diego, California.
284. Hisey M, Zigler J, Guyer R, Ohnmeiss D: Impact of Age on Patient Outcomes after Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion: Comparison at 5-Year Follow-up. *International Society for the Advancement of Spine Surgery*. April, 2016; Las Vegas, Nevada.
285. Ohnmeiss D, Hisey M, Bae H: Influence of Adverse Events on Clinical Outcomes of Patients in an FDA IDE Clinical Trial of Cervical Total Disc Replacement versus Anterior Cervical Discectomy and Fusion. *International Society for the Advancement of Spine Surgery*. April, 2016; Las Vegas, Nevada.
286. Hisey M, Bae H, Ohnmeiss D: Comparison of One- and Two-Level Treatment with Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion. *International Society for the Advancement of Spine Surgery*. April, 2016; Las Vegas, Nevada.
287. Zigler J, Shivers J, Guyer R, Ohnmeiss D: Complications Associated with the Anterior Approach to the Lumbar Spine: Analysis of 2,881 Consecutive Cases during a 6-year Period. *International Society for the Advancement of Spine Surgery*. April, 2016; Las Vegas, Nevada.
288. Guyer R, Putney E, Ohnmeiss D, Zigler J: Analysis of Hospital Length of Stay Following Lumbar Anterior/Posterior Combined Fusion: Is There a Disadvantage Associated with Shorter Stays? *International Society for the Advancement of Spine Surgery*. April, 2016; Las Vegas, Nevada.
289. Putney E, Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Analysis of Hospital Length of Stay Following Lumbar Anterior/Posterior Combined Fusion: Is There a Disadvantage Associated with Shorter Stays? *Spine Society of Australia*. April, 2016; Melbourne, Australia.

290. Blumenthal SL, Zigler JE, Shivers J, Ohnmeiss DD, Guyer RD: Complications Associated with the Anterior Approach to the Lumbar Spine: Analysis of 2,881 Consecutive Cases during a 6-Year Period. Spine Society of Australia. April, 2016; Melbourne, Australia.
291. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Stand-Alone Interbody Devices in the Treatment of Cervical Spine Disease. Spine Society of Australia. April, 2016; Melbourne, Australia.
292. Guyer RD, Abitbol JJ, Ohnmeiss DD, Yao C: Evaluating the Osseointegration of a Deeply Porous Titanium Scaffold through Comparison with PEEK Implants and Allograft: Biomechanical Assessment Using a Porcine Skull Model. North American Spine Society – SpineWeek. May, 2016; Singapore.
293. Hisey M, Zigler J, Guyer R, Ohnmeiss D: Impact of Age on Patient Outcomes after Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion: Comparison at 5-year Follow-up. International Society for the Advancement of Spine Surgery – SpineWeek. May, 2016; Singapore.
294. Hisey M, Bae H, Ohnmeiss D: Comparison of One- and Two-level Treatment with Cervical Disc Arthroplasty or Anterior Cervical Discectomy and Fusion. International Society for the Advancement of Spine Surgery – SpineWeek. May, 2016; Singapore.
295. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Re-operation Rates in Lumbar Spine Surgery: Statistically Significant Differences Exist in the Same Dataset When Different Definitions for Re-operation Are Applied. North American Spine Society. October, 2016; Boston, Massachusetts.
296. Hisey MS, Zigler JE, Davis RJ, Bae HW, Kim KD, Nunley PD, Jackson RJ, Ohnmeiss DD: Total Disc Replacement versus ACDF: Results from an FDA Clinical Trial on Single Level Treatment through 84 Months. North American Spine Society. October, 2016; Boston, Massachusetts.
297. Zigler JE, Putney E, Ohnmeiss DD, Guyer RD, Blumenthal SL: Anterior Access to the Lumbar Spine: Complications Encountered in 2,881 Consecutive Procedures. North American Spine Society. October, 2016; Boston, Massachusetts.
298. Guyer RD, Ohnmeiss DD, Yao C: Comparison of Abrasion and Osseointegration Associated with Titanium Plasma Spray Coated PEEK vs. FortiCore Deeply Porous Titanium Scaffold on PEEK. (Innovative Technology Exhibitors Symposium). North American Spine Society. October, 2016; Boston, Massachusetts
299. Zigler JE, Ohnmeiss DD: Ten-year Follow-up of Patients Enrolled in the FDA-regulated Trial for Single-level Lumbar Total Disc Replacement: One Site’s Experience. North American Spine Society. October, 2016; Boston, Massachusetts.
300. Guyer RD, Abitbol JJ, Chang Y, Ohnmeiss DD: Comparison of Abrasion and Osseointegration Associated with Titanium Plasma Spray Coated PEEK vs. a Deeply Porous Titanium Scaffold on PEEK. International Society for the Advancement of Spine Surgery. April, 2017; Boca Raton, Florida.
301. Guyer R, Zigler J, Ohnmeiss D: Ten-year Follow-up of Patients Enrolled in the FDA-regulated Trial for Single-level Lumbar Total Disc Replacement: One Site’s Experience.

- International Society for the Advancement of Spine Surgery. April, 2017; Boca Raton, Florida.
302. Guyer R, Zigler J, Ohnmeiss DD: Clinical Outcome of Two-level Lumbar Total Disc Replacement: An Analysis of 141 Patients with Minimum 24-month Follow-up. International Society for the Advancement of Spine Surgery. April, 2017; Boca Raton, Florida.
 303. Blumenthal SL, Guyer RD, Ohnmeiss DD, Zigler JE: Adjacent Segment Degeneration after Lumbar Total Disc Replacement: 5-Year Results of a Multicenter, Prospective, Randomized Study with Independent Radiographic Assessment. International Society for the Study of the Lumbar Spine. May-June, 2017; Athens, Greece.
 304. Blumenthal S, Ohnmeiss D, Guyer R, Zigler J: Adjacent Segment Degeneration after Lumbar Total Disc Replacement: 5-Year Results of a Multicenter, Prospective, Randomized Study with Independent Radiographic Assessment. Eurospine. October, 2017; Dublin, Ireland.
 305. Guyer RD, Ohnmeiss DD, Cresti M: Q-Spine: New MRI-Based Quantification Method for L-Spine Analysis. North American Spine Society. October, 2017; Orlando, Florida.
 306. Blumenthal SL, Guyer RD, Ohnmeiss DD, Zigler JE: Adjacent Segment Degeneration after Lumbar Total Disc Replacement: 5-Year Results of A Multicenter, Prospective, Randomized Study with Independent Radiographic Assessment. North American Spine Society. October, 2017; Orlando, Florida.
 307. Guyer RD, Ohnmeiss DD: Supine vs. Upright Weight Bearing MRI in the Evaluation of Patients with Lumbar Spondylolisthesis. International Society for the Advancement of Spine Surgery. April, 2018; Toronto, Ontario, Canada.
 308. Guyer RD, Zigler JE, Blumenthal SL, Ohnmeiss DD: Analysis of Lumbar Total Disc Replacement Removals/Revisions during a 17 Year Experience with 1,707 Patients. International Society for the Advancement of Spine Surgery. April, 2018; Toronto, Ontario, Canada.
 309. Blumenthal S, Zigler JE, Guyer RD, Ohnmeiss DD: Analysis of Lumbar Total Disc Replacement Removals/Revisions during a 17 Year Experience with 1,707 Patients. Global Spine Conference. April, 2018; Singapore.
 310. Zigler J, Blumenthal S, Guyer R, Ohnmeiss D: Analysis of Re-operations after Cervical Total Disc Replacement in a Consecutive Series of 504 Patients Receiving the ProDisc-C Device. Spine Society of Australia. April, 2018; Adelaide, Australia.
 311. Blumenthal S, Zigler J, Guyer R, Ohnmeiss D: Analysis of Lumbar Total Disc Replacement Removals and Revisions: A 17-Year Experience. Spine Society of Australia. April, 2018; Adelaide, Australia.
 312. Blumenthal S, Zigler J, Guyer R, Ohnmeiss D: Progression of Adjacent-level Degeneration after Lumbar Total Disc Replacement: Results of a Prospective Study with 5-year Follow-up. Spine Society of Australia. April, 2018; Adelaide, Australia.

313. Blumenthal S, Zigler J, Guyer R, Ohnmeiss D: Analysis of Lumbar Total Disc Replacement Removals and Revisions: A 17-Year Experience. Spine Across the Sea. July-August, 2018; Lihue, Hawaii.
314. Guyer R, Ohnmeiss D, Blumenthal S, Zigler J: Analysis of Lumbar Total Disc Replacement Removals and Revisions: A 17-Year Experience. North American Spine Society. September, 2018; Los Angeles, California.
315. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? Spine Society of Australia. April, 2019; Queensland, Australia.
316. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? Spine Society of Australia. April, 2019; Queensland, Australia.
317. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
318. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Analysis of Re-operations after Cervical Total Disc Replacement in a Consecutive Series of 504 Patients Receiving the ProDisc-C Device. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
319. Guyer RD, Zigler JE, Blumenthal SL, Ohnmeiss DD: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Cervical Spine Symptoms. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
320. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD, Vovk A: Spike vs. Keel: Does Endplate Design of Lumbar Artificial Discs Affect Radiographic Outcomes? International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
321. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Clinical Outcome of Cervical Hybrid Surgery Using a Stand-alone Device at the Fusion Level. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
322. Blumenthal SL, Ohnmeiss DD, Zigler JE, Guyer RD: Impact of Previous Lumbar Spine Surgery on Outcome of Lumbar Total Disc Replacement: Analysis of Prospective 5-year Follow-up Study Data. International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.
323. Shivers J, Ohnmeiss D, Block A: Effects of Drug Enforcement Agency (DEA) Narcotic Restrictions on a Multi-Disciplinary Spine Practice: Analysis of Patient Discharges from the Practice during a 10-year Period. North American Spine Society. September, 2019; Chicago, Illinois.
324. Guyer RD, Nunley PD, Coric D, Ohnmeiss DD: Clinical Outcomes of a PEEK-on-Ceramic Total Disc Replacement: Data from 3 Sites Participating in the Single-Level Cervical FDA IDE Trial. North American Spine Society. September, 2019; Chicago, Illinois.

325. Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Cervical Spine Symptoms? North American Spine Society. September, 2019; Chicago, Illinois.
326. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? North American Spine Society. September, 2019; Chicago, Illinois.
327. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Intraoperative Conversion of Cervical Total Disc Replacement to Fusion: Incidence and Reasons. North American Spine Society. September, 2019; Chicago, Illinois.
328. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD: Impact of Previous Lumbar Spine Surgery on Outcome of Lumbar Total Disc Replacement: Analysis of Prospective Five-Year Follow-Up Study Data (presented in Best Papers Session). North American Spine Society. September, 2019; Chicago, Illinois.
329. Derman P, Lauderback A, Kalafchi E, Ohnmeiss D: Indirect Decompression for the Treatment of Degenerative Lumbar Stenosis. Society for Minimally Invasive Spine Surgery. November, 2019; Las Vegas, Nevada.
330. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Impact of Previous Lumbar Spine Surgery on Outcome of Lumbar Total Disc Replacement: Analysis of Prospective 5-year Follow-up Study Data. International Society for the Advancement of Spine Surgery. February, 2020; San Juan, Puerto Rico.
331. Guyer RD, Blumenthal SL, Beall, Wilson, Bishop, Tally, Temple, Ganey T, Ohnmeiss D: Clinical Investigation of the Safety and Preliminary Results of Cellularized Allograft Disc Matrix for the Treatment of Symptomatic Lumbar Disc Degeneration. International Society for the Advancement of Spine Surgery. February, 2020; San Juan, Puerto Rico.
332. Guyer RD, Sasso R, Coric D, Ohnmeiss DD: Clinical Outcomes of a PEEK-on-Ceramic Total Disc Replacement: Data from Three Sites Participating in the Two-Level Cervical FDA IDE Trial. International Society for the Advancement of Spine Surgery. February, 2020; San Juan, Puerto Rico.
333. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Intra-operative Conversion of Cervical Total Disc Replacement to Fusion: Incidence and Reasons. International Society for the Advancement of Spine Surgery. February, 2020; San Juan, Puerto Rico.
334. Guyer RD, Blumenthal SL, Ohnmeiss DD, Ferko N, Bonner A, Situ A: Incidence and Resolution Strategies for Early Onset Postoperative Leg Pain Following Lumbar Total Disc Replacement. (Best Papers Session) North American Spine Society. October, 2020 (virtual meeting).
335. Guyer RD, Nunley PD, Strenge B, Ohnmeiss DD: 2-level Cervical Disc Replacement Using a PEEK-on-Ceramic Device: Prospective Outcome Data From an FDA IDE Trial. (Best Papers Session) North American Spine Society. October, 2020 (virtual meeting).
336. Coric D, Guyer RD, Carmody C, Sasso R, Musacchio MJ, Bae H, Ohnmeiss DD: Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Prospective Data from Seven Sites

- Participating in an FDA IDE Trial for Single-level Surgery. (Best Papers Session) North American Spine Society. October, 2020 (virtual meeting).
337. Derman PB, Ohnmeiss DD, Lauderback A, Guyer RD: Indirect Decompression for the Treatment of Degenerative Lumbar Stenosis: Clinical Outcome in a Consecutive Series of 568 Patients. North American Spine Society. October, 2020 (virtual meeting).
 338. Guyer RD, Coric D, Nunley P, Sasso R, Musacchio M, Bae H, Peloza J, Ohnmeiss DD: Single-level Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Results of a Multicenter FDA IDE Trial with 24-month Follow-up. International Society for the Advancement of Spine Surgery. May, 2021; Miami, Florida.
 339. Blumenthal SL, Kiridly D, Shellock SL, Guyer RD, Zigler JE, Ohnmeiss DD: Late Failure of Cervical Disc Arthroplasty Due to Osteolysis. International Society for the Advancement of Spine Surgery. May, 2021; Miami, Florida.
 340. Guyer RD, Coric D, Nunley PD, Sasso R, Musacchio M, Bae H, Peloza J, Ohnmeiss DD: Single-level Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Results of a Multicenter FDA IDE Trial with 24-month Follow-up. North American Spine Society (best papers session). September-October, 2021; Boston, Massachusetts.
 341. Guyer RD, Coric D, Nunley PD, Ohnmeiss DD: Cervical Total Disc Replacement: Available Implant Size Matters. North American Spine Society. September-October, 2021; Boston, Massachusetts.
 342. Haddas R, Lieberman IH, Ohnmeiss DD, Rashbaum RF: Effect of Spinal Cord Stimulation on Balance and Gait in Failed Back Surgery Syndrome Patients. North American Spine Society. September-October, 2021; Boston, Massachusetts.
 343. Blumenthal S, Kiridly D, Shellock J, Guyer R, Zigler J, Ohnmeiss D: Late Failure of Cervical Disc Arthroplasty Due to Osteolysis. Spine Society of Australia. November, 2021 (virtual meeting).
 344. Guyer RD, Coric D, Nunley PD, Sasso R, Musacchio M, Bae H, Peloza J, Ohnmeiss DD: Single-level Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Results of a Multicenter FDA IDE Trial with 24-month Follow-up. Cervical Spine Research Society, 2021; Atlanta, Georgia.
 345. Guyer RD, Coric D, Nunley PD, Ohnmeiss DD: Cervical Total Disc Replacement: Available Implant Size Matters. Cervical Spine Research Society, 2021; Atlanta, Georgia.

POSTER PRESENTATIONS

1. Sachs BL, Vanharanta H, Rashbaum RF, Guyer RD, Hochschuler SH, Ohnmeiss DD, Schwartz P, Gilbert PJ: Objective Signs of Lumbar Radicular Syndrome in Conservative Treatment. International Society for the Study of the Lumbar Spine. June, 1986; Dallas, Texas.

2. Vanharanta H, Sachs BL, Spivey M, Guyer RD, Rashbaum RF, Hochschuler SH, Ohnmeiss DD: Comparison of Disc Narrowing with Discographic Degenerative Changes and Pain Provocation. International Society for the Study of the Lumbar Spine. May, 1987; Rome, Italy.
3. Sachs BL, Vanharanta H, Rashbaum RF, Guyer RD, Hochschuler SH, Ohnmeiss DD, Schwartz P, Gilbert PJ: Comparison of Effect of Epidural Steroids and Physical Therapy on Root Tension Signs in Lumbar Radicular Syndrome. North American Spine Society. June, 1987; Banff, Canada.
4. Vanharanta H, Mooney V, Jarvis GL, Hochschuler SH, Guyer RD, Johnson RG, Gilbert PJ, Ritz S, Ohnmeiss DD, Stith WJ: Effect of Repeated Trunk Extension and Flexion Movements on CT/Discogram. North American Spine Society. June, 1987; Banff, Canada.
5. Hochschuler SH, Rashbaum RF, Guyer RD, Stith WJ, Ohnmeiss DD: Proplast Reconstruction of Iliac Crest Defects. North American Spine Society. June, 1987; Banff, Canada.
6. Vanharanta H, Sachs BL, Spivey M, Guyer RD, Rashbaum RF, Hochschuler SH, Ohnmeiss DD: Comparison of Disc Narrowing with Discographic Degenerative Change and Pain Provocation. American Academy of Orthopaedic Surgeons. February, 1988; Atlanta, Georgia.
7. Vanharanta H, Sachs BL, Aprill C, Spivey M, Ohnmeiss DD, Rashbaum RF, Hochschuler SH, Guyer RD, Videman T, Terry A, Selby D, Stith WJ, Mooney V: Disc Deterioration in Low Back Syndromes: A Prospective Multi-center CT/Discography Study. International Society for the Study of the Lumbar Spine. April, 1988; Bal Harbour, Florida.
8. Ohnmeiss DD, Stith WJ, Guyer RD, Rashbaum RF, Hochschuler SH, Loguidice VA, Lonstein M: Comparison of Results of Lumbar Anterior Interbody Fusion, Posterior Fusion, Instrumentation and 360° Fusion Performed by the Same Group of Surgeons. International Society for the Study of the Lumbar Spine. April, 1988; Bal Harbour, Florida.
9. Shea D, Stith WJ, Ohnmeiss DD, Hochschuler SH, Guyer RD, Rashbaum RF: The Effect of Sensory Deprivation on the Reduction of Pain in Chronic Low Back Patients. International Society for the Study of the Lumbar Spine. April, 1988; Bal Harbour, Florida.
10. Vanharanta H, Ohnmeiss DD, Stith WJ, Hochschuler SH, Guyer RD, Mooney V: Effect of Repeated Trunk Extension and Flexion Movements As Seen By CT/Discography. International Society for the Study of the Lumbar Spine. April, 1988; Bal Harbour, Florida.
11. Vanharanta H, Sachs BL, Aprill C, Spivey M, Ohnmeiss DD, Rashbaum RF, Hochschuler SH, Guyer RD, Videman T, Stith WJ, Mooney V: CT/Discography and Pain Response in Different Age Groups. North American Spine Society. July, 1988; Colorado Springs, Colorado.
12. Guyer RD, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Loguidice VA, Lonstein M: Comparison of Results of Lumbar Anterior Interbody Fusion, Posterior Fusion, Instrumentation and 360° Fusion Performed by the Same Group of Surgeons. North American Spine Society. July, 1988; Colorado Springs, Colorado.

13. Guyer RD, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Lonstein M, Regan JJ: An Analysis of the Effect of Repeat Discography. North American Spine Society. July, 1988; Colorado Springs, Colorado.
14. Ohnmeiss DD, Vanharanta H, Stith WJ, Carranza CB, Guyer RD, Rashbaum RF, Hochschuler SH: Radiographic Muscle Density and Increased Function Following an Active Rehabilitation Program. International Society for the Study of the Lumbar Spine. May, 1989; Kyoto, Japan.
15. Guyer RD, Vanharanta H, Ohnmeiss DD, Stith WJ, Sachs BL, Hochschuler SH, Rashbaum RF: Validity of Myelographic and CT/Discographic Images in Identifying Clinically Painful Disc Lesions. North American Spine Society. June, 1989; Quebec City, Canada.
16. Lonstein ML, Guyer RD, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF: Posterior Lumbar Fusion and Instrumentation. North American Spine Society. June, 1989; Quebec City, Canada.
17. Vanharanta H, Ohnmeiss DD, Stith WJ, Guyer RD, Hochschuler SH, Rashbaum RF, Sachs BL: The Effect of Lumbar Level in Painful Disc Deterioration. North American Spine Society. June, 1989; Quebec City, Canada.
18. Ohnmeiss DD, Vanharanta H, Stith WJ, Carranza CB, Guyer RD, Rashbaum RF, Hochschuler SH: Radiographic Muscle Density and Increased Function Following an Active Rehabilitation Program. North American Spine Society. June, 1989; Quebec City, Canada.
19. Vanharanta H, Ohnmeiss DD, Stith WJ, Guyer RD, Hochschuler SH, Rashbaum RF, Sachs BL: Sensitivity and Specificity of CT/Discography. North American Spine Society. June, 1989; Quebec City, Canada.
20. Shea DD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Guyer RD, Hochschuler SH: The Effects of Sensory Deprivation on Muscle Activity and Pain Reduction in Chronic Low Back Pain Patients. North American Spine Society. June, 1989; Quebec City, Canada.
21. Guyer RD, Hochschuler SH, Ohnmeiss DD, Rashbaum RF, Regan JJ, Stith WJ: Initial Results and Complications of Pedicle Screw Fixation. Scoliosis Research Society/North American Spine Society joint conference on Advanced Pedicle Fixation of the Lumbar Spine. March, 1990; Dallas, Texas.
22. Guyer RD, Vanharanta H, Ohnmeiss DD, Stith WJ, Sachs BL, Hochschuler SH, Rashbaum RF: Validity of Myelographic and CT/Discographic Images in Identifying Clinically Painful Disc Lesions. International Association for the Study of Pain. April, 1990; Australia.
23. Ritz S, Lorren T, Ohnmeiss DD, Stith WJ: Repeatability of Sub-maximal Isokinetic Trunk Strength Testing. International Isokinetic Congress. May, 1990; Washington, D.C.
24. Guyer RD, Vanharanta H, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Regan JJ: The Relationship between Pain Drawings and CT/Discographic Findings. International Society for the Study of the Lumbar Spine. May, 1990; Boston, Massachusetts.

25. Guyer RD, Ohnmeiss DD, Hochschuler SH, Stith WJ, Rashbaum RF, Regan JJ: The Use of CT/Discography to Identify Recurrent Disc Herniation Not Visualized by Gadolinium Enhanced MRI. International Society for the Study of the Lumbar Spine. June, 1990; Boston, Massachusetts.
26. Hochschuler SH, Guyer RD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Regan JJ: Anterior Lumbar Interbody Fusion with Composite Bone-Bank Bone. International Society for the Study of the Lumbar Spine. June, 1990; Boston, Massachusetts.
27. Hochschuler SH, Guyer RD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Regan JJ: Anterior Lumbar Interbody Fusion Using Donor Femur Bone Grafts. North American Spine Society. August, 1990; Monterey, California.
28. Hochschuler SH, Guyer RD, Ohnmeiss DD, Glisan B, Sheets C, Evans D, Stith WJ, Rashbaum RF, Regan JJ: The Effects of Wearing an Abdominal Support Belt on the Amount of Weight Lifted by Low Back Pain Patients. North American Spine Society. August, 1990; Monterey, California.
29. Guyer RD, Hochschuler SH, Ohnmeiss DD, Rashbaum RF, Regan JJ, Stith WJ: Initial Results and Complications of Pedicle Screw Fixation. North American Spine Society. August, 1990; Monterey, California.
30. Guyer RD, Ohnmeiss DD, Hochschuler SH, Stith WJ, Rashbaum RF, Regan JJ: The Use of CT/Discography to Identify Recurrent Disc Herniation Not Visualized by Gadolinium Enhanced MRI. North American Spine Society. August, 1990; Monterey, California.
31. Vanharanta H, Guyer RD, Ohnmeiss DD, Hochschuler SH, Rashbaum RF, Stith WJ: The Number of Painful and Degenerated Lumbar Discs Levels in Low Back Pain Patients. North American Spine Society. August, 1990; Monterey, California.
32. Guyer RD, Vanharanta H, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Regan JJ: The Relationship between Pain Drawings and CT/Discographic Findings. North American Spine Society. August, 1990; Monterey, California.
33. Guyer RD, Hochschuler SH, Ohnmeiss DD, Rashbaum RF, Regan JJ, Stith WJ: Initial Results and Complications Associated with the Wiltse Pedicle Screw Fixation System. American Academy of Orthopaedic Surgeons. March, 1991; Anaheim, California.
34. Guyer RD, Ohnmeiss DD, Hochschuler SH, Stith WJ, Rashbaum RF, Regan JJ: The Use of CT/Discography to Identify Recurrent Disc Herniation Not Visualized by Gadolinium Enhanced MRI. American Academy of Orthopaedic Surgeons. March, 1991; Anaheim, California.
35. Hochschuler SH, Guyer RD, Castleman C, Ohnmeiss DD, Stith WJ, Spivey MA, Rashbaum RF, Regan JJ: Cine MRI to Visualize Functional Pathology in the Spine. American Academy of Orthopaedic Surgeons. March, 1991; Anaheim, California.
36. Hochschuler SH, Guyer RD, Ohnmeiss DD, Rashbaum RF, Regan JJ: Single-level Stabilization with Femur Grafts. International Society for the Study of the Lumbar Spine. May, 1991; Heidelberg, Germany.

37. Hochschuler SH, Guyer RD, Castleman C, Ohnmeiss DD, Stith WJ, Spivey MA, Rashbaum RF, Regan JJ: Cine MRI to Visualize Functional Pathology in the Spine. International Society for the Study of the Lumbar Spine. May, 1991; Heidelberg, Germany.
38. Rashbaum RF, Ohnmeiss DD, Stith WJ, Bogdanffy GM, Guyer RD, Hochschuler SH, Regan JJ: Initial Results of Spinal Cord Stimulation in Chronic Pain Patients. International Society for the Study of the Lumbar Spine. May, 1991; Heidelberg, Germany.
39. Bogdanffy GM, Ohnmeiss DD: Strength Testing in Elite Competitive Cyclists. National Strength and Conditioning Association. June, 1991; St. Louis, Missouri.
40. Hochschuler SH, Guyer RD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Regan JJ: Comparison of Single Level Arthroscopic Microdiscectomy to Laminectomy and Discectomy. North American Spine Society. August, 1991; Keystone, Colorado.
41. Hochschuler SH, Guyer RD, Ohnmeiss DD, Rashbaum RF, Regan JJ: Single-level Stabilization with Femur Grafts. North American Spine Society. August, 1991; Keystone, Colorado.
42. Rashbaum RF, Ohnmeiss DD, Stith WJ, Guyer RD, Hochschuler SH, Regan JJ: Initial Results of Spinal Cord Stimulation in Chronic Pain Patients. North American Spine Society. August, 1991; Keystone, Colorado.
43. Guyer RD, Hochschuler SH, Ohnmeiss DD, Stith WJ, Spivey MA, Castleman C, Rashbaum RF, Regan JJ: Cine MRI to Visualize Functional Pathology in the Spine. North American Spine Society. August, 1991; Keystone, Colorado.
44. Guyer RD, Ohnmeiss DD, Stith WJ, Bonnicks SL, Hochschuler SH, Rashbaum RF, Regan JJ: Changes in Vertebral Bone Density Following Lumbar Spine Fusion and Post-operative Bracing. North American Spine Society. August, 1991; Keystone, Colorado.
45. 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. Cervical Spine Research Society. December, 1991; Philadelphia, Pennsylvania.
46. Hochschuler SH, Guyer RD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Regan JJ: Comparison of Single Level Arthroscopic Microdiscectomy to Laminectomy and Discectomy. American Academy of Orthopaedic Surgeons. February, 1992. Washington, D.C.
47. Bogdanffy GM, Ohnmeiss DD, Griffith SL, Rashbaum RF: Changes in Isometric Quadriceps Function Following Spinal Cord Stimulation for Intractable Leg Pain. American College of Sports Medicine. May, 1992; Dallas, Texas.
48. Floyd T, Hochschuler SH, Vanharanta H, Ohnmeiss DD, Guyer RD: The Relationship of Facet Tropism to Degenerative Disc Disease. International Society for the Study of the Lumbar Spine. May, 1992; Chicago, Illinois.
49. Bogdanffy GM, PM McKinley, Griffith SL, Ohnmeiss DD: Isokinetic Lumbar Flexion/Extension Torque in Elite and Competitive Cyclists. National Strength and Conditioning Association. June, 1992; Philadelphia, Pennsylvania.

50. 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.
51. Guyer RD, Hochschuler SH, Bogdanffy GM, Ohnmeiss DD: Early Changes in Pain and Physical Function Following Lumbar Spinal Fusion. International Society for the Study of the Lumbar Spine. June, 1993; Marseilles, France.
52. Perim DM, Guyer RD, Elliott FT, Ohnmeiss DD, Alfano S: Lumbar Laminectomy-Discectomy: Factors Associated with Increased Cost and Extended Treatment. International Society for the Study of the Lumbar Spine. June, 1993; Marseilles, France.
53. Yrjämä M, Vanharanta H, Ohnmeiss DD, Hochschuler SH, Guyer RD: Vibration of the Spinous Process Provokes Pain Similar to That Produced by Discography. North American Spine Society. October, 1993; San Diego, California.
54. Ohnmeiss DD, Vanharanta H, Guyer RD, Hochschuler SH: The Association between Pain Drawings and Discordant Discographic Pain Reports. North American Spine Society. October, 1993; San Diego, California.
55. Ohnmeiss DD, Vanharanta H, Guyer RD, Hochschuler SH: The Relationship between Pain Location and Disc Pathology: A Study of Pain Drawings and CT/Discography. North American Spine Society. October, 1993; San Diego, California.
56. Block AR, Vanharanta H, Ohnmeiss DD, Guyer RD, Hochschuler SH: Discordant CT/Discography Results: Psychological Factors Play a Role. North American Spine Society. October, 1993; San Diego, California.
57. Bogdanffy GM, Ohnmeiss DD, Griffith SL, Guyer RD: Non-Radiological Screening of Bone Quality for Spinal Fusion Candidates. North American Spine Society. October, 1993; San Diego, California.
58. Weinoffer SL, Guyer RD, Herbert M, Griffith SL, Ohnmeiss DD: In-Vitro Intradiscal Pressure Measurements Above a Simulated Instrumented Fusion. American Academy of Orthopaedic Surgeons. February, 1994; New Orleans, Louisiana.
59. Bogdanffy GM, Ohnmeiss DD, Guyer RD: Early Changes in Bone Mineral Density Above a Combined Anterior-Posterior L4-S1 Lumbar Spinal Fusion In-Vivo. Orthopaedic Research Society. February, 1994; New Orleans, Louisiana.
60. Ohnmeiss DD, Hochschuler SH, Guyer RD: Patient Selection Criteria for Laser Disc Decompression. International Society for the Study of the Lumbar Spine. June, 1994; Seattle, Washington.
61. Ohnmeiss DD, Vanharanta H, Estlander A, Jämsén A: The Relationship of Disability (Oswestry) and Pain Drawings to Functional Testing. International Society for the Study of the Lumbar Spine. June, 1994; Seattle, Washington.
62. Vanharanta H, Ohnmeiss DD, Guyer RD: The Value of Post-Discographic Lidocaine Injection. North American Spine Society; October, 1994; Minneapolis, Minnesota.

63. Ohnmeiss DD, Vanharanta H, Estlander A, Jämsén A: The Relationship of Disability (Oswestry) and Pain Drawings to Functional Testing. North American Spine Society; October, 1994; Minneapolis, Minnesota.
64. Block AR, Vanharanta H, Ohnmeiss DD, Guyer RD, Hochschuler SH: Discordant CT/Discography Results: Psychological Factors Play a Role. American Pain Society. November, 1994; Orlando, Florida.
65. Vanharanta H, Ohnmeiss DD, Guyer RD: Are Lumbar Flexion-Extension Films Useful in Identifying Discogenic Pain? American Academy of Orthopaedic Surgeons. February, 1995; Orlando, Florida.
66. Bogdanffy GM, Ohnmeiss DD, Guyer RD: The Relationship between Isometric Leg Function and Pain Distribution. American College of Sports Medicine. June, 1995; Minneapolis, Minnesota.
67. Jarolem K, Ohnmeiss DD, Fulp T, Blumenthal SL: Unilateral PLIF/PLF Supplemented with Unilateral Fixation. Schriners Fellow Conference. November, 1995; New Orleans, Louisiana.
68. 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.
69. Mason SL, Shelokov AP, Guyer RD, Ohnmeiss DD: Complications of Cervical Discography: Findings in a Large Series. Cervical Spine Research Society. November-December, 1995; Santa Fe, New Mexico.
70. Vanharanta H, Aprill CN, Ohnmeiss DD: Vibration as a Diagnostic Tool for Lumbar Disease. American Academy of Orthopaedic Surgeons. February, 1996; Atlanta, Georgia.
71. 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.
72. Jarolem K, Ohnmeiss DD, Fulp T, Blumenthal SL: Results of Combined Posterior Interbody Fusion with Unilateral Posterolateral Fusion Supplemented with Unilateral Fixation. International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
73. Guyer RD, Ohnmeiss DD, Vanharanta H, Mason SL: Are Results of Lumbar and Cervical Discography Similar? International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
74. Ohnmeiss DD, Vanharanta H: Degree of Internal Disc Disruption Associated with Lower Extremity Pain. International Association for the Study of Pain. August, 1996; Vancouver, Canada.
75. Block AR, Ware D, Ohnmeiss DD, Guyer RD: Initial Results from a Psycho-Social Screening Package for Spine Surgery Candidates. International Association for the Study of Pain. August, 1996; Vancouver, Canada.

76. Ohnmeiss DD, Vanharanta H: Degree of Disc Disruption Associated with Lower Extremity Pain. North American Spine Society. October, 1996; Vancouver, Canada.
77. Block AR, Ware D, Ohnmeiss DD, Guyer RD: Initial Results from a Psycho-Social Screening Package for Spine Surgery Candidates. North American Spine Society. October, 1996; Vancouver, Canada.
78. Araghi A, Guyer RD, Fulp RT, Ohnmeiss DD, Blumenthal SL, Hochschuler SH, Regan JJ, Shelokov AP, Rashbaum RF: Use of Morphine Paste for Pain Control in Lumbar Laminectomies. Spine + Science + Management; November, 1996; New Orleans, Louisiana.
79. Cartwright TJ, Guyer RD, Ohnmeiss DD, Fulp RT, Mason SL: Results of Anterior Fusion for Equivocal Pathology Clarified by Discography. Spine + Science + Management; November, 1996; New Orleans, Louisiana.
80. Ohnmeiss DD, Vanharanta H: Degree of Disc Disruption Associated with Lower Extremity Pain. American Academy of Orthopaedic Surgeons. February, 1997; San Francisco, California.
81. Guyer RD, Ohnmeiss DD, Vanharanta H, Mason SL: Are Results of Lumbar and Cervical Discography Similar? American Academy of Orthopaedic Surgeons. February, 1997; San Francisco, California.
82. Regan JJ, Mack M, Aronoff RJ, Guyer, RD, Blumenthal, SL, Ahrens JE, Ohnmeiss DD: Development of Video-Assisted Thoracoscopic Spine Surgery. (Scientific Exhibit) at the American Academy of Orthopaedic Surgeons. February, 1997; San Francisco, California.
83. Cartwright TJ, Guyer RD, Ohnmeiss DD, Fulp RT, Mason SL: Results of Anterior Fusion for Equivocal Pathology Clarified by Discography. Spine Across the Sea (NASS/JSRS) March, 1997; Hawaii.
84. Vanharanta H, Ohnmeiss DD, Aprill C: Can Vibratory Pain Provocation Improve the Specificity of MRI in the Diagnosis of Symptomatic Lumbar Disc Rupture? Spine Across the Sea. March, 1997; Hawaii.
85. Araghi A, Guyer RD, Fulp RT, Ohnmeiss DD, Blumenthal SL, Hochschuler SH, Regan JJ, Shelokov AP, Zigler JE, Rashbaum RF: Use of Morphine Paste for Pain Control in Lumbar Laminectomies. International Society for the Study of the Lumbar Spine. June, 1997; Singapore.
86. Vanharanta H, Ohnmeiss DD, Aprill C: Can Vibratory Pain Provocation Improve the Specificity of MRI in the Diagnosis of Symptomatic Lumbar Disc Rupture? North American Spine Society. October, 1997; New York, New York.
87. 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. Spine + Science + Management; November, 1997; New Orleans, Louisiana.
88. Hyde J, Ohnmeiss DD, Rinn C, Guyer RD, Rashbaum RF, Blumenthal SL, Zigler JE, Regan JJ, Fulp T: Anterior Cervical Fusion: Factors Related to Outcome. Spine + Science + Management; November, 1997; New Orleans, Louisiana.

89. Rinn C, Hyde J, Ohnmeiss DD, Ahrens JE: Femoral Bone Density Not Influenced by the Type of Scoliosis. International Society for Clinical Densitometry; January, 1998; Orlando, Florida.
90. Hochschuler SH, Hyde J, Ohnmeiss DD: Posterior Lumbar Decompression and Fusion Using Local bone Graft and Spinal Fixation. International Meeting on Advanced Spine Techniques. May, 1998; Sorrento, Italy.
91. Ohnmeiss DD, Vanharanta H, Ekholm J: Relationship of Pain Drawings to Invasive Tests Assessing Intervertebral Disc Pathology. International Society for the Study of the Lumbar Spine. June, 1998; Brussels, Belgium.
92. Ohnmeiss DD: Repeatability of Pain Drawings in Low Back Pain Patients. International Society for the Study of the Lumbar Spine. June, 1998; Brussels, Belgium.
93. Regan JJ, Ohnmeiss DD, Risk D: Prospective Evaluation of Return to Work in a Lumbar Fusion Population. International Society for the Study of the Lumbar Spine. June, 1998; Brussels, Belgium.
94. 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. North American Spine Society. October, 1998; San Francisco, California.
95. Floyd T, Ohnmeiss DD: A Meta-Analysis of Autograft versus Allograft in Anterior Cervical Fusion. North American Spine Society. October, 1998; San Francisco, California.
96. Blumenthal SL, Simpson N, Boehler S, Ohnmeiss DD, Risk DE: Anterior Lumbar Interbody Fusion Using Threaded Fusion Cages. North American Spine Society. October, 1998; San Francisco, California.
97. Sengupta D, Mulholland R, Ohnmeiss DD: Fulcrum Assisted Soft Stabilization in the Treatment of Activity Related Low Back Pain: A Feasibility Study. Spine + Science + Management. November, 1998; New Orleans, Louisiana.
98. Floyd T, Ohnmeiss DD: A Meta-Analysis of Autograft versus Allograft in Anterior Cervical Fusion. Cervical Spine Research Society. December, 1998; Atlanta, Georgia.
99. Regan JJ, Ohnmeiss DD, Risk D: Laparoscopic Anterior Lumbar Interbody Fusion: Analysis of Learning Curve and Comparison to Open Cage Procedures. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
100. Sengupta D, Ohnmeiss DD, Hyde J, Zigler JE, Regan JJ, Hochschuler SH, Fulp T, Guyer RD: Intrasegmental Repair of Pars Defect – Early Results Using a Simple Technique. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
101. Regan JJ, Aronoff RJ, Ohnmeiss DD, Sengupta D: Laparoscopic Approach to L4-5 for Interbody Fusion Using BAK Cages: Experience in the First 36 Cases. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
102. Blumenthal SL, Simpson NS, Ohnmeiss DD, Risk DE Boehler S, Guyer RD, Zigler JE, Fulp T, Hochschuler SH: Anterior Lumbar Interbody Fusion with Threaded Fusion Cages. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.

103. Sengupta D, Ohnmeiss DD, Guyer RD, Hochschuler SH: Biomechanical Evaluation of Immediate Stability with Rectangular vs. Cylindrical Interbody Fusion Cages in Stabilization of the Lumbar Spine. International Society for the Study of the Lumbar Spine. June, 1999; Kona, Hawaii.
104. Ohnmeiss DD: Repeatability of Pain Drawings in a Low Back Pain Population. International Association for the Study of Pain. August, 1999; Vienna, Austria.
105. Block AR, Guyer RD, Ohnmeiss DD: Use of Presurgical Psychosocial Screening to Predict Spine Surgery Outcome. International Association for the Study of Pain. August, 1999; Vienna, Austria.
106. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation for Predominant Complaints of Chronic Low Back Pain. International Association for the Study of Pain. August, 1999; Vienna, Austria.
107. Ohnmeiss DD, Blumenthal SL, Guyer RD, Zigler JE, Hochschuler SH: Analysis of Threaded Fusion Cage Subsidence. North American Spine Society. October, 1999; Chicago, Illinois.
108. Blumenthal SL, Regan JJ, Hisey MS, Ohnmeiss DD, Guyer RD, Hochschuler SH, Zigler JE: Can Threaded Fusion Cages Be Used Effectively As Stand-Alone Devices? North American Spine Society. October, 1999; Chicago, Illinois.
109. Sengupta D, Ohnmeiss DD, Guyer RD, Hochschuler SH: Biomechanical Evaluation of Immediate Stability with Rectangular vs. Cylindrical Interbody Fusion Cages in Stabilization of the Lumbar Spine. North American Spine Society. October, 1999; Chicago, Illinois.
110. Hochschuler SH, Ohnmeiss DD, Cranford M: Patient Acceptance of Telemedicine Used in a Spine Specialty Clinic. International Society for the Study of the Lumbar Spine. April, 2000; Adelaide, Australia.
111. Blumenthal SL, Hisey MS, Ohnmeiss DD, Regan JJ, Guyer RD, Hochschuler SH, Zigler JE: Can Threaded Fusion Cages Be Used Effectively as Stand-Alone Devices? International Society for the Study of the Lumbar Spine. April, 2000; Adelaide, Australia.
112. Ohnmeiss DD, Blumenthal SL, Guyer RD, Zigler JE, Hochschuler SH: Analysis of Threaded Fusion Cage Subsidence. International Society for the Study of the Lumbar Spine. April, 2000; Adelaide, Australia.
113. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation for Predominant Complaints of Chronic Low Back Pain. International Society for the Study of the Lumbar Spine. April, 2000; Adelaide, Australia.
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232. Bradley WD, Hisey M, Ohnmeiss DD: Minimally Invasive L5-S1 Fusion Performed using a Trans-Sacral Approach. International Meeting on Advanced Spine Techniques. July, 2010; Toronto, Canada.

233. Guyer RD, Shellock J, Kugler C, Hisey M, Bradley WD, Ohnmeiss DD: Indirect Decompression of Lumbar Spondylolisthesis using Anterior Lumbar Interbody Fusion and Minimally Invasive Pedicle Screw Fixation. International Meeting on Advanced Spine Techniques. July, 2010; Toronto, Canada.
234. Ohnmeiss DD, Zigler JE, Guyer RD, Blumenthal SL: Meta-Analysis of Cervical Total Disc Replacement Compared With Anterior Cervical Fusion: Data from Four Prospective Randomized Multicenter FDA IDE Trials. Cervical Spine Research Society. December, 2010; Charlotte, North Carolina.
235. Coric D, Guyer RD, Nunley PD, Gordon C, Dimmig T, Carmody C, Ohnmeiss DD, Boltes M: Prospective, Randomized, Multicenter Study of Cervical Arthroplasty: 269 Patients from the Kineflex/C Metal-on-Metal Artificial Disc IDE Study with Minimum Two-Year Follow-up. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. March, 2011; Phoenix, Arizona.
236. Zigler JE, Guyer RD, Ohnmeiss DD: Three-Level Total Disc Replacement. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
237. Guyer RD, Blumenthal SL, Zigler JE, Verma-Kurvari S, Atanasov A, Ohnmeiss DD: Bone Mineral Density Scanning in Potential Lumbar Total Disc Replacement Patients. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
238. Ohnmeiss DD, Blumenthal SL, Guyer RD: Investigating the Potential Effect of “Euphoric Bias” for the New Technology on Results of Randomized Lumbar Total Disc Replacement Trials. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
239. Hyder Z, Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Meta-Analysis of Lumbar Total Disc Replacement FDA-Regulated Trials: A Missed Opportunity. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
240. Guyer RD, Darwish A, Blumenthal SL, Zigler JE, Ohnmeiss DD: Lumbar Total Disc Replacement vs. Fusion: Analysis of Cost Comparison Studies. International Society for the Advancement of Spine Surgery April, 2011; Las Vegas, Nevada.
241. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD, Verma-Kurvari S: Reported Re-Operations in Lumbar Total Disc Replacement: Analysis of the Literature. International Society for the Advancement of Spine Surgery. April, 2011; Las Vegas, Nevada.
242. Blumenthal S, Guyer R, Zigler J, Ohnmeiss D: Anterior Re-Operation at the Same Level Following Lumbar Total Disc Replacement. International Society for the Lumbar Spine. June, 2011; Gothenburg, Sweden.
243. Duffy M, Saqqa S, Zigler J, Guyer R, Ohnmeiss D, Blumenthal S: Treatment Options for Two-Level Symptomatic Disc Degeneration: Comparison of Total Disc Replacement, Fusion, and Hybrid. International Society for the Study of the Lumbar Spine. June, 2011; Gothenburg, Sweden.

244. Ohnmeiss D, Blumenthal S, Guyer R: Investigating the Potential Effect of “Euphoric Bias” for the New Technology on Results of Randomized Lumbar Total Disc Replacement Trials. International Society for the Study of the Lumbar Spine. June, 2011; Gothenburg, Sweden.
245. Guyer R, Darwish A, Blumenthal S, Ohnmeiss D, Zigler J: Lumbar Total Disc Replacement vs. Fusion: Analysis of Cost Comparison Studies. International Society for the Study of the Lumbar Spine. June, 2011; Gothenburg, Sweden.
246. Guyer RD, Thongtrangan I, Ohnmeiss DD, Zigler JE, Atanasov AM: Health-Related Quality of Life: How Does Symptomatic Disc Degeneration and Its Treatment with Total Disc Replacement Compare to Other Medical Conditions? International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
247. Guyer RD, Darwish A, Blumenthal SL, Zigler JE, Ohnmeiss DD: Lumbar Total Disc Replacement vs. Fusion: Analysis of Cost Comparison Studies. International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
248. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD: Investigating the Potential Effect of “Euphoric Bias” for the New Technology on Results of Randomized Lumbar Total Disc Replacement Trials. International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
249. Hyder Z, Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: Meta-Analysis of Lumbar Total Disc Replacement FDA-Regulated Trials: A Missed Opportunity. International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
250. Guyer RD, Samocha Y, Ohnmeiss DD, Blumenthal SL, Zigler JE: Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Data from Four Prospective, Randomized, Multicenter Trials. International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
251. Lieberman IH, Ohnmeiss DD: Robotic-Assisted Pedicle Screw Placement in Complex Spinal Surgery: What was Learned from the First 35 Consecutive Patients. International Meeting on Advanced Spine Techniques. July, 2011; Copenhagen, Denmark.
252. Guyer RD, Samocha Y, Ohnmeiss DD, Zigler JE, Blumenthal SL: Cervical Total Disc Replacement vs. Anterior Cervical Fusion: Data from Four Prospective, Randomized, Multicenter Trials. North American Spine Society. November, 2011; Chicago, Illinois.
253. Morrison T, Guyer RD, Hisey MS, Atanasov A, Ohnmeiss DD, Zigler JE, Blumenthal SL: Clinical Outcomes of Stand-Alone Anterior Lumbar Interbody Fusion. AO Spine Fellows’ Forum. March, 2012; Banff, Alberta, Canada.
254. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
255. Edwards K, Hisey MS, Bradley WD, Ohnmeiss DD, Zigler JE, Guyer RD: Extreme Lateral Interbody Fusion (XLIF): Clinical Results from One Center. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.

256. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Analysis of Outcome Stability Following Surgery Involving a Cervical Spine Implant. International Society for the Advancement of Spine Surgery. March, 2012; Barcelona, Spain.
257. Block AR, Ohnmeiss DD, Guyer RD, Atanasov A, Ben-Porath Y: Relationship between Pain, Patient Expectations, and Satisfaction Following Spine Surgery. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
258. Lieberman IH, Sparks J, Ohnmeiss DD, Verma-Kurvari S, Guyer RD, Zigler JE: Comparison of Manual and Office PACS-Based Digital Methods for Cobb Angle Measurements in Patients with Spinal Deformity. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
259. Ohnmeiss DD, Thongthagen I, Guyer RD, Zigler JE, Atanasov AM: Evaluating Symptomatic Lumbar Disc Degeneration and Its Treatment in the Context of Other Medical Conditions. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
260. Block AR, Ohnmeiss DD, Guyer RD, Atanasov A, Ughwanogho E, Ben-Porath Y: Workers Compensation Versus Non Workers Compensation: Personality Differences. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
261. Morrison T, Guyer RD, Hisey MS, Atanasov A, Ohnmeiss DD, Blumenthal SL, Zigler JE: Clinical Outcomes of Stand-Alone Anterior Lumbar Interbody Fusion. SpineWeek - International Society for the Study of the Lumbar Spine Section. May, 2012; Amsterdam, The Netherlands.
262. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD, Verma-Kurvari S: Re-operations in Lumbar Total Disc Replacement: Analysis of the Literature. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.
263. Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: Comparison of Re-Operations in Cervical Total Disc Replacement Versus Anterior Cervical Fusion. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.
264. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.
265. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Analysis of Outcome Stability Following Surgery Involving Cervical Spine Implant. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.
266. Hisey MS, Edwards K, Ohnmeiss DD, Verma-Kurvari S, Guyer RD, Zigler JE: Extreme Lateral Interbody Fusion (XLIF): Clinical Results. SpineWeek - North American Spine Society Section. May, 2012; Amsterdam, The Netherlands.

267. Sparks J, Lieberman I, Ohnmeiss D, Hu X, Guyer R, Zigler J: Comparison of Manual and Office PACS-Based Digital Methods for Cobb Angle Measurements in Patients with Spinal Deformity. International Meeting on Advanced Spine Techniques. June, 2012; Istanbul, Turkey.
268. Block AR, Ben-Porath Y, Ohnmeiss DD, Guyer RD, Marek R: Psychosocial Factors and Expectancy Contribute Separately to Spine Surgery Outcome. North American Spine Society. October, 2012; Dallas, Texas.
269. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Impact of Cervical Symptoms on Ability to Participate in Recreational Activities. Cervical Spine Research Society. December, 2012; Chicago, Illinois.
270. Bonsignore C, Bradley WD, Hisey MS, Verma-Kurvari S, Ohnmeiss DD: Clinical Outcome Following a Minimally Invasive Lumbar Decompression Technique for the Treatment of Lumbar Spinal Stenosis. AO Spine Fellows' Forum. March, 2013; Banff, Alberta, Canada.
271. Lieberman IH, Sparks J, Ohnmeiss DD, Verma-Kurvari S, Guyer RD, Zigler JE: Cobb Angle Measurements in Patients with Spinal Deformity: OFFICEPACS-based Digital Method Compared with Traditional Manual Measurements. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
272. Ohnmeiss DD: The Peer-reviewed Publication Rate of Abstracts Presented at ISASS and Comparison with Other Conferences. International Society for the Advancement of Spine Surgery. April, 2013; Vancouver, Canada.
273. 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 Study of the Lumbar Spine. May, 2013; Scottsdale, Arizona.
274. Belanger TA, Ohnmeiss DD: Impact of Cervical Symptoms on Recreational Activities. Cervical Spine Research Society – European Section. May, 2013; Bordeaux, France.
275. Hisey MS, Davis RJ, Bae H, Kim K, Gaede SE, Nunley PD, Ohnmeiss DD: An FDA IDE Clinical Trial through 48 Months: Cervical TDR Versus ACDF. AANS/CNS Section on Disorders of the Spine and Peripheral Nerve. March, 2014; Orlando, Florida.
276. 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. Spine Society of Australia. April, 2014; Brisbane, Australia.
277. Owusu A, Zigler JE, Ohnmeiss DD, Guyer RD: Pregnancy after Lumbar Total Disc Replacement. International Society for the Advancement of Spine Surgery. Spine Society of Australia. April, 2014; Brisbane, Australia.
278. 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.

279. Rashbaum RF, Verma-Kurvari S, Ohnmeiss DD: Spinal Cord Stimulator Re-operations: Review of Cases from One Practice. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
280. Owusu A, Zigler JE, Ohnmeiss DD, Guyer RD: Pregnancy after Lumbar Total Disc Replacement. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
281. Blumenthal SL, Ohnmeiss DD, Lui L, Lin E: Replacement of Cervical Total Disc Replacement. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
282. Carmody C, Ohnmeiss DD: Clinical Outcomes of Lumbar Fusion Using a Truss Technology Based Interbody Fusion Cage. International Society for the Advancement of Spine Surgery. April-May, 2014; Miami, Florida.
283. Hisey MS, Davis RJ, Bae H, Kim K, Gaede SE, Nunley PD, Ohnmeiss DD: An FDA IDE Clinical Trial through 48 Months: Cervical TDR Versus ACDF. AANS/CNS Section on Disorders of the Spine and Peripheral Nerve. March, 2014; Orlando, Florida.
284. Owusu A, Zigler JE, Ohnmeiss DD, Guyer RD: Pregnancy after Lumbar Total Disc Replacement. International Society for the Study of the Lumbar Spine. June, 2014; Seoul, Korea.
285. Biehn J, Shellock J, Ohnmeiss DD, Guyer RD, Zigler JE: Use of Amniotic Membrane Anti-adhesion Barrier for Lumbar Discectomy. International Society for the Study of the Lumbar Spine. June, 2014; Seoul, Korea.
286. Guyer RD, Baker R, Blumenthal SL, Zigler JE, Shivers J, Ohnmeiss DD, Verma-Kurvari S: Implementation of a Spine Surgery Quality Assurance Program in a Multi-Site Private Practice. International Society for the Study of the Lumbar Spine. June, 2014; Seoul, Korea.
287. Ferrara L, Kiapour A, Ohnmeiss DD: Titanium Truss Structures as Conduits for Fusion Incorporation Through Multiplanar Stress Distribution. North American Spine Society. November, 2014; San Francisco, California.
288. Block A, Ohnmeiss DD, Guyer RD: A Brief Inventory to Assess Psychosocial Risk for Reduced Outcome of Spine Surgery. North American Spine Society. November, 2014; San Francisco, California.
289. Biehn J, Shellock J, Ohnmeiss DD, Guyer RD, Zigler JE: Use of Amniotic Membrane Anti-adhesion Barrier for Lumbar Discectomy. North American Spine Society. November, 2014; San Francisco, California.
290. Guyer RD, Rogers RW, Blumenthal SL, Ohnmeiss DD, Zigler JE: Clinical Outcomes Following Anterior Cervical Hybrid Surgery Using Total Disc Replacement Combined with Anterior Cervical Fusion at the Adjacent Segment. Spine Society of Australia. April, 2015; Canberra, Australia.
291. Zigler JE, Rogers WR, Ohnmeiss DD: Comparison of One-level versus Two-level Anterior Cervical Discectomy and Fusion: Clinical and Radiographic Follow-up at 60 Months in

- Patients Serving as Control Groups in Randomized Trials. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
292. Ohnmeiss DD, Guyer RD, Zigler JE: Stability of Measures Assessing Clinical Outcome Following Anterior Cervical Spine Surgery. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
 293. Happ C, Guyer RD, Ohnmeiss DD, Zigler JE: Stand-alone Interbody Devices in the Treatment of Cervical Spine Disease. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
 294. Owusu A, Zigler JE, Ohnmeiss DD, Guyer RD: Pregnancy after Lumbar Total Disc Replacement. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
 295. Otero-Lopez E, Guyer RD, Ohnmeiss DD, Zigler JE: Comparison of Clinical Outcomes for Anterior vs. 360 Fusion at the Fusion Level of Lumbar Hybrid Surgery. International Society for the Advancement of Spine Surgery. April, 2015; San Diego, California.
 296. Happ C, Guyer RD, Ohnmeiss DD, Zigler JE: Stand-alone Interbody Devices in the Treatment of Cervical Spine Disease. Global Spine Congress. May, 2015; Buenos Aires, Argentina.
 297. Hipp J, Guyer RD, Ohnmeiss DD, Zigler JE: Developing Normative Values for a Quantifiable, Clinically Applicable Method to Evaluate Lumbar Instability. International Society for the Study of the Lumbar Spine. June, 2015; San Francisco, California.
 298. Hipp J, Guyer RD, Ohnmeiss DD, Zigler JE: A New Method Correlating an Objective Radiographic Metric for Lumbar Spine Stability and the Fluid Sign on MRI. International Society for the Study of the Lumbar Spine. June, 2015; San Francisco, California.
 299. Guyer RD, Shivers J, Ohnmeiss DD, Zigler JE, Blumenthal SL: Results of a Complex Case Peer Review Program in a Private Practice Spine Specialty Clinic. International Society for the Study of the Lumbar Spine. June, 2015; San Francisco, California.
 300. Otero-Lopez ER, Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Comparison of Clinical Outcomes for Anterior vs. 360 Fusion at the Fusion Level of Lumbar Hybrid (Total Disc Replacement / Fusion) Surgery. International Society for the Study of the Lumbar Spine. June, 2015; San Francisco, California.
 301. Happ CM, Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD: Outcome after Anterior Cervical Fusion Using a Cervical Stand-alone Fusion Cage. Spine Across the Sea. July, 2015; Big Island, Kohala Coast, Hawaii.
 302. Hisey MS, Ohnmeiss DD, Bae HW: Influence of Adverse Events on Clinical Outcomes of Patients in an FDA IDE Clinical Trial of Cervical Total Disc Replacement versus Anterior Cervical Discectomy and Fusion. North American Spine Society. October, 2015; Chicago, Illinois.
 303. Zigler JE, Ohnmeiss DD, Guyer RD, Blumenthal SL: Pregnancy after Lumbar Total Disc Replacement. North American Spine Society. October, 2015; Chicago, Illinois.

304. Ohnmeiss DD, Bae HW: Influence of Adverse Events on Clinical Outcomes of Patients in an FDA IDE Clinical Trial of Cervical Total Disc Replacement versus Anterior Cervical Discectomy and Fusion. North American Spine Society. October, 2015; Chicago, Illinois.
305. Ohnmeiss DD, Zigler JE, Guyer RD, Blumenthal SL: Pregnancy after Lumbar Total Disc Replacement. North American Spine Society. October, 2015; Chicago, Illinois.
306. Ohnmeiss DD, Guyer RD, Zigler JE, Blumenthal SL: Stability of Clinical Outcome Measures Following Anterior Cervical Spine Surgery. Cervical Spine Research Society. December, 2015; San Diego, California.
307. 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. Cervical Spine Research Society. December, 2015; San Diego, California.
308. Sengupta D, Ohnmeiss D, Huang P: Cervical and Lumbar Nerve Root Compression: Comparison of Sensory Symptoms and Recovery after Surgery. International Society for the Advancement of Spine Surgery. April, 2016; Las Vegas, Nevada.
309. Guyer R, Abitbol J, Ohnmeiss D, Yao C: Evaluating the Osseointegration of a Deeply Porous Titanium Scaffold through Comparison with PEEK Implants and Allograft: Biomechanical Assessment Using a Porcine Skull Model. International Society for the Advancement of Spine Surgery. April, 2016; Las Vegas, Nevada.
310. Guyer RD, Putney E, Ohnmeiss DD, Zigler JE, Blumenthal SL: Analysis of Hospital Length of Stay Following Lumbar Anterior/Posterior Combined Fusion: Is There a Disadvantage Associated with Shorter Stays? International Society for the Study of the Lumbar Spine – SpineWeek. May, 2016; Singapore.
311. Ohnmeiss DD, Hisey MS, Bae HW: Influence of Adverse Events on Clinical Outcomes of Patients in an FDA IDE Clinical Trial of Cervical Total Disc Replacement versus Anterior Cervical Discectomy and Fusion. International Society for the Advancement of Spine Surgery – SpineWeek. May, 2016; Singapore.
312. Zigler JE, Shivers J, Guyer RD, Ohnmeiss DD: Complications Associated with the Anterior Approach to the Lumbar Spine: Analysis of 2,881 Consecutive Cases during a 6-year Period. International Society for the Advancement of Spine Surgery – SpineWeek. May, 2016; Singapore.
313. Ohnmeiss DD, Guyer RD, Blumenthal SL, Zigler JE: Re-operation after Lumbar Spine Surgery: Significant Variation in Rates Due to the Definitions Applied for Re-operation. North American Spine Society Summer Meeting. July, 2016; Miami, Florida.
314. Blumenthal SL, Otero-Lopez E, Guyer RD, Zigler JE, Ohnmeiss DD: Lumbar Hybrid Surgery with Total Disc Replacement at One Level and Fusion at the Adjacent Level: Does Fusion Type Impact Outcome? North American Spine Society. October, 2016; Boston, Massachusetts.
315. Guyer R, Zigler J, Ohnmeiss D: Adjacent Segment Degeneration after Lumbar Total Disc Replacement: 5-year Results of a Multicenter, Prospective, Randomized Study with

- Independent Radiographic Assessment. International Society for the Advancement of Spine Surgery. April, 2017; Boca Raton, Florida.
316. Zigler JE, Ohnmeiss DD: Ten-Year Follow-up of Patients Enrolled in the FDA-regulated Trial for Single-level Lumbar Total Disc Replacement: One Site's Experience. International Society for the Study of the Lumbar Spine. May-June, 2017; Athens, Greece.
 317. Guyer RD, Ohnmeiss DD, Yoa C: Comparison of Abrasion and Osseointegration Associated with Titanium Plasma Spray Coated PEEK vs. Deeply Porous Titanium Scaffold on PEEK. International Society for the Study of the Lumbar Spine. May-June, 2017; Athens, Greece.
 318. Guyer RD, Zigler JE, Blumenthal SL, Ohnmeiss DD: Clinical Outcome after Three-level Lumbar Total Disc Replacement. International Society for the Advancement of Spine Surgery. April, 2018; Toronto, Canada.
 319. Blumenthal S, Zigler J, Guyer R, Ohnmeiss D: Clinical Outcome of Anterior Cervical Fusion Using a Stand-alone Device in a Series of 224 Patients. Spine Society of Australia. April, 2018; Adelaide, Australia.
 320. Scott L. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Analysis of Lumbar Total Disc Replacement Removals and Revisions: A 17-year Experience. International Society for the Study of the Lumbar Spine. May, 2018; Banff, Canada.
 321. Guyer RD, Ohnmeiss DD: Supine vs. Upright Weight Bearing MRI in the Evaluation of Patients with Lumbar Spondylolisthesis. International Society for the Study of the Lumbar Spine. May, 2018; Banff, Canada.
 322. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? Spine Society of Australia. April, 2019; Queensland, Australia.
 323. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? Spine Society of Australia. April, 2019; Queensland, Australia.
 324. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
 325. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Analysis of Re-operations after Cervical Total Disc Replacement in a Consecutive Series of 504 Patients Receiving the ProDisc-C Device. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
 326. Guyer RD, Zigler JE, Blumenthal SL, Ohnmeiss DD: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Cervical Spine Symptoms. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.

327. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD, Vovk A: Spike vs. Keel: Does Endplate Design of Lumbar Artificial Discs Affect Radiographic Outcomes? International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
328. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Clinical Outcome of Cervical Hybrid Surgery Using a Stand-alone Device at the Fusion Level. International Society for the Advancement of Spine Surgery. April, 2019; Anaheim, California.
329. Blumenthal SL, Ohnmeiss DD, Zigler JE, Guyer RD: Impact of Previous Lumbar Spine Surgery on Outcome of Lumbar Total Disc Replacement: Analysis of Prospective 5-year Follow-up Study Data. International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.
330. Shivers J, Ohnmeiss D, Block A: Effects of Drug Enforcement Agency (DEA) Narcotic Restrictions on a Multi-Disciplinary Spine Practice: Analysis of Patient Discharges from the Practice during a 10-year Period. North American Spine Society. September, 2019; Chicago, Illinois.
331. Guyer RD, Nunley PD, Coric D, Ohnmeiss DD: Clinical Outcomes of a PEEK-on-Ceramic Total Disc Replacement: Data from 3 Sites Participating in the Single-Level Cervical FDA IDE Trial. North American Spine Society. September, 2019; Chicago, Illinois.
332. Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Cervical Spine Symptoms? North American Spine Society. September, 2019; Chicago, Illinois.
333. Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD: Is Osteoporosis Screening Routinely Needed to Evaluate Cervical Total Disc Replacement Patients? North American Spine Society. September, 2019; Chicago, Illinois.
334. Guyer RD, Ohnmeiss DD: Supine vs. Upright Weight Bearing MRI in the Evaluation of Patients with Lumbar Spondylolisthesis. Spine Across the Sea. July-August, 2018; Kauai, Hawaii.
335. Blumenthal SL, Zigler JE, Guyer RD, Ohnmeiss DD: Intra-operative Conversion of Cervical Total Disc Replacement to Fusion: Incidence and Reasons. Spine Society of Australia. April, 2019; Queensland, Australia.
336. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: Bone Mineral Density Screening in Patients Who Are Lumbar Total Disc Replacement Patients. International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.
337. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD: Impact of Range of Motion on Progression of Adjacent Segment Disease: Disc vs. Disc. International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.
338. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.

339. Guyer RD, Blumenthal SL, Zigler JE, Ohnmeiss DD: Spike vs. Keel: Does Endplate Design of Lumbar Artificial Discs Affect Radiographic Outcomes? International Society for the Study of the Lumbar Spine. June, 2019; Kyoto, Japan.
340. Zigler JE, Guyer RD, Blumenthal SL, Ohnmeiss DD: Spike vs. Keel: Does Endplate Design of Lumbar Artificial Discs Affect Radiographic Outcomes? North American Spine Society. September, 2019; Chicago, Illinois.
341. Blumenthal SL, Ohnmeiss DD, Guyer RD, Zigler JE, Satin A: In Which Cases Do Surgeons Specializing in Total Disc Replacement Perform Fusion in Patients with Symptomatic Lumbar Disc Degeneration? North American Spine Society. October, 2020; (virtual meeting).
342. Guyer RD, Ohnmeiss DD, Blumenthal SL, Zigler JE: Clinical Outcome of Anterior Lumbar Interbody Fusion Using a Stand-alone Cage for the Treatment of Symptomatic Disc Degeneration. International Society for the Study of the Lumbar Spine. June, 2021; (virtual meeting).
343. Blumenthal SL, Kiridly D, Shellock SL, Guyer RD, Zigler JE, Ohnmeiss DD: Late Failure of Cervical Disc Arthroplasty Due to Osteolysis. Spine Across the Sea (Joint meeting of NASS and JOA). July 2021; Kohala Coast, Hawaii.

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.
3. The Spine in Sports. Edited by SH Hochschuler. Hanley & Belfus - Mosby Year Book. Philadelphia, Pennsylvania; 1990.
4. Cervical Spine Disease. SPINE-State of the Art Reviews. Edited by JJ Regan. Hanley & Belfus, Philadelphia, Pennsylvania; 1991.
5. Rehabilitation of the Spine: Science and Practice. Edited by SH Hochschuler, HB Cotler, RD Guyer. Mosby Year Book, Chicago, Illinois; 1993.
6. Spinal Arthroplasty: A New Era in Spine Care. Edited by RD Guyer, JE Zigler. Quality Medical Publishing, St. Louis, Missouri; 2005.

OTHER ACTIVITIES

Community Outreach Committee, Texas Back Institute

Course Director for the following accredited conferences:

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 and content development for electronic interactive patient education materials:

Getting Ready for Surgery

Post-operative Care

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

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

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