

CURRICULUM VITAE

Ralph F. Rashbaum, M.D.

EDUCATION

- 1968 M.D. - Chicago Medical School; Chicago, IL
1964 B.A. - University of the City of New York, Queens College, New York, NY

HONORS AND AWARDS

Alpha Omega Alpha Honor Medical Society

POSTGRADUATE TRAINING

- 1968- 1969 Internship - Strong Memorial Hospital; Rochester, NY
1969-1970 Surgical Residency - Strong Memorial Hospital; Rochester, NY
1972-1976 Residency - University Hospital of Cleveland; Cleveland, OH
Post-residency training in Spinal Cord Injury Unit, Cleveland VA
1976-1977 Spine Fellowship - with Dr. Richard Rothman and Frederick Simone
Pennsylvania Hospital; Philadelphia, PA

BOARD CERTIFICATION

- 1978 American Academy of Orthopaedic Surgeons
2001 American Board of Spine Surgery

MILITARY SERVICE

U.S. Air Force - 1970-1972; Major, M.D., Shepard Regional Hospital; Wichita Falls, TX

MEDICAL STAFF APPOINTMENTS

1977-1978	Private Practice in Orthopaedic Surgery; Plano, Texas
1977 - 1983	Parkland Memorial Hospital; Dallas, Texas
03/1995 - 09/1995	Medical City of Dallas; Dallas, Texas
07/1977 – 05/1984	Presbyterian Hospital of Dallas; Dallas, Texas
1978 to 1995	Medical Center of Plano, Plano, Texas
1978 to present	Texas Back Institute; Plano, Texas (co-founder)
1992 to present	Presbyterian Hospital of Plano, Plano, Texas
12/2004 - present	Texas Health Center for Diagnostics and Surgery, Plano, Texas
08/2009 – Present	Prestonwood Surgery Center, Plano, Texas
09/2002 – Present	Baylor Medical Center at Frisco, Frisco, Texas

FACULTY APPOINTMENTS

1977 to present	Clinical Assistant Professor, Southwestern Medical School, Dallas, Texas
2003	Instructor, Dept. of Anesthesiology, Texas Tech University, Lubbock, Texas

PROFESSIONAL ORGANIZATIONS

Dallas County Medical Society
Texas State Medical Association
Chicago Medical School Alumni
Southern Medical Association
American Pain Society
University Hospital Orthopaedic Alumni Association
International Association for the Study of Pain
Dallas County Pharmaceutical Society
Dallas/Forth Worth Rheumatism Society
Dallas Orthopaedic Foundation
North American Spine Society
North Texas Spine Society
American Academy of Orthopaedic Surgeons
Texas Pain Society, Vice President

PUBLICATIONS

1. Sachs BL, Vanharanta H, Spivey MA, Guyer RD, Videman T, Rashbaum RF, Johnson RG, Hochschuler SH, Mooney V: Dallas Discogram Description: A New Classification of CT/Discography in Low-Back Disorders. *Spine* 12:287-294, 1987.
2. 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.
3. Guyer RD, Collier R, Stith WJ, Ohnmeiss DD, Hochschuler SH, Rashbaum RF, Regan JJ: Discitis after Discography. *Spine* 13(12):1352-1354, 1988.
4. 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.
5. Hochschuler SH, Guyer RD, Stith WJ, Ohnmeiss DD, Rashbaum RF, Johnson, RG: Proplast Reconstruction of Iliac Crest Defects. *Spine* 13(3):378-379, 1988.
6. Loguidice VA, Guyer RD, Stith WJ, Ohnmeiss DD, Hochschuler SH, Rashbaum RF, Johnson RG: Anterior Lumbar Interbody Fusion. *Spine* 13(3):366-369, 1988.
7. 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.
8. Vanharanta H, Sachs BL, Spivey MA, Hochschuler SH, Guyer RD, Rashbaum RF, Ohnmeiss DD, Mooney V: A Comparison of CT/Discography, Pain Response and Radiographic Disc Height. *Spine* 13(3):321-324, 1988.
9. Sachs BL, Spivey MA, Vanharanta H, Guyer RD, Rashbaum RF, Hochschuler SH, Smith GV, Scala A: Techniques for Lumbar Discography and CT/Discography in Clinical Practice. *J Applied Radiology* Nov. 1989.
10. 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.
11. Sachs BL, Spivey MA, Vanharanta H, Guyer RD, Rashbaum RF, Hochschuler SH, Scala AD: Techniques for lumbar discography and computed tomography-discography in clinical practice. *Orthop Rev* 19(9):775-778, 1990.
12. 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.
13. Moneta GB, Videman T, Kaivanto K, Aprill C, Spivey M, Vanharanta H, Sachs B, Guyer RD, Hochschuler S, Rashbaum R: Reported pain during lumbar discography as a function of annular disruption and disc degeneration. *Spine* 19:1968-1974, 1994.

14. Gronblad M, Virri J, Ronkko S, Kiviranta I, Vanharanta H, Seitsalo S, Rashbaum R, Guyer R: 1996 Volvo Award A Controlled Biochemical and Immunohistochemical Study of Human Synovial Type (Group 11) Phospholipase A2 and Inflammatory Cells in Macroscopically Normal, Degenerated and Herniated Human Lumbar Disc Tissue. *Spine* 21(22):2531-2538, 1996.
15. Flaherty RA, Rashbaum RF, Triano JJ, Hansen DT, Mootz RD, Coile RC Jr, Haldeman S: Health Care Credentialing and Qualifications Commission: An Alternative to “Any Willing Provider”? *Amer J Managed Care* II(5):559-566, 1996.
16. 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.
17. 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.
18. 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.
19. Zigler JE, Vialle EN, Burd TA, 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.
20. Dickerman RD, Reynolds A, Bennett M, Rashbaum R, Hochschuler S: Posterior Lumbar Interbody Fusion [letter to the Editor]. *J Neurosurg Spine* 6(1):194-195, 2007.
21. Oakley JC, Krames ES, Prager JP, Stamatos J, Foster AM, Weiner R, Rashbaum RF, Henderson J. New Spinal Cord Stimulation System Effectively Relieves Chronic, Intractable Pain: A Multicenter Prospective Clinical Study. *Neuromodulation* 10 (3), 262–278, 2007.
22. 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.
23. 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.
24. 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. Accepted for publication in *Spine* 33(23):2566-2569, 2008.
25. 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. Accepted for publication in *Spine J*.

BOOK AND MONOGRAPH 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, January 1989; pp. 69-81.
2. Shelokov AP, Rashbaum RF: *Injection Therapy for Conservative Management of Low Back Pain*. In: Guyer RD (ed) SPINE - State of the Art Review: Lumbar Disc Disease. Hanley & Belfus; Philadelphia, January 1989; pp 83-90.
3. Rashbaum RF: *Soft Tissue Trauma in Equestrian Participation*. In: Hochschuler SH (ed): SPINE - State of the Art Review: Spinal Injuries in Sports. Hanley & Belfus, Philadelphia, May 1990; pp 414-425.
4. Rashbaum RF: *Soft Tissue Trauma in Equestrian Participation*. In: Hochschuler SH (ed): The Spine in Sports. Hanley & Belfus, Philadelphia, 1990, pp 180-191.
5. Rashbaum RF: *Multi-Disciplinary Spinal Rehabilitation - Management by Objectives*. In: Hochschuler SH, Guyer RD, Cotler HB (eds) Rehabilitation of the Spine: Science and Practice. Mosby Year Book, Chicago, 1993; pp 3-10.
6. Ohnmeiss DD, Rashbaum RF: *Management of the Failed Back Patient: Spinal Cord Stimulation*. In: Herkowitz H, Dvorak J, Bell G, et al (eds): The Lumbar Spine, 3rd Edition. Lippincott Williams & Wilkins, Philadelphia, PA, 2004, pp 905-911
7. Rashbaum RF, Ohnmeiss DD: *Facet Denervation*. In: Ozgur B, Benzel E, Garfin SR (eds): Minimally Invasive Spine Surgery, in press.
8. Rashbaum RF, Block AR, Ohnmeiss DD: *Spine Clinics*. In: Bonica's Management of Pain, in press.

PRESENTATIONS AND PUBLISHED ABSTRACTS

1. Sachs BL, Spivey MA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Vanharanta H, Aprill C, Terry A, Selby D, Mooney V: Dallas Discogram Description: A New Classification of CT/Discography. International Society for the Study of Lumbar Spine. June, 1986; Dallas, Texas.
2. Sachs BL, Spivey MA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Vanharanta H, Aprill C, Terry A, Selby D, Mooney V: A Clinical Grading System of CT/Discography for Diagnostic Value in Low Back Problems. International Society for the Study of Lumbar Spine. June, 1986; Dallas, Texas.
3. Vanharanta H, Sachs BL, Spivey MA, Hochschuler SH, Guyer RD, Rashbaum RF, Johnson R: Disc Degeneration and Leaking of Annulus in Reproduction of Back Pain During Discography, a CT/Discographic Study. International Society for the Study of Lumbar Spine. June, 1986; Dallas, Texas.
4. Sachs BL, Spivey MA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Vanharanta H, Aprill C, Terry A, Selby D, Mooney V: Dallas Discogram Description: A New

Classification of CT/Discography. North American Spine Society. July, 1986; Bolton Landing, New York.

5. Vanharanta H, Sachs BL, Spivey MA, Hochschuler SH, Guyer RD, Rashbaum RF, Johnson R: Disc Degeneration and Leaking of Annulus in Reproduction of Back Pain During Discography, a CT/Discography Study. North American Spine Society. July, 1986; Bolton Landing, New York.
6. Sachs BL, Spivey MA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Vanharanta H, Aprill C, Terry A, Selby D, Mooney V: A Clinical Grading System of CT/Discography for Diagnostic Values in Low Back Problems. Federation of Spine Associations, January 1987, San Francisco, California.
7. Loguidice VA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH: Anterior Lumbar Interbody Fusions. Texas Medical Association. May, 1987; Houston, Texas.
8. Sachs BL, Vanharanta H, Spivey MA, Guyer RD, Hochschuler SH, Rashbaum RF: Technique of CT/Discography. International Society for the Study of the Lumbar Spine. May, 1987; Rome, Italy.
9. Loguidice VA, Guyer RD, Johnson RG, Rashbaum RF, Hochschuler SH, Stith WJ, Ohnmeiss DD: Anterior Lumbar Interbody Fusions. North American Spine Society. June, 1987; Banff, Canada.
10. Guyer RD, Collier R, Rashbaum RF, Hochschuler SH, Stith WJ, Ohnmeiss DD, Loguidice VA: Extraosseous Spinal Lesions Mimicking Disc Disease. North American Spine Society. June, 1987; Banff, Canada.
11. Vanharanta H, Sachs BL, Spivey M, Rashbaum RF, Guyer RD, Hochschuler SH, Ohnmeiss DD, Johnson RG, Mooney V: Comparison of Disc Narrowing with Discographic Degenerative Changes and Pain Provocation. North American Spine Society. June, 1987; Banff, Canada.
12. Hochschuler SH, Rashbaum RF, Guyer RD, Stith WJ, Ohnmeiss DD: Proplast Reconstruction of Iliac Crest Defects. North American Spine Society. June, 1987; Banff, Canada.
13. Guyer RD, Collier R, Hochschuler SH, Rashbaum RF, Regan JJ, Stith WJ, Ohnmeiss DD: Post-discography Discitis. International Society for the Study of the Lumbar Spine. April, 1988; Bal Harbour, Florida.
14. Vanharanta H, Sachs BL, Spivey M, Aprill C, Ohnmeiss DD, Guyer RD, Rashbaum RF, Hochschuler SH, 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.
15. Vanharanta H, Sachs BL, Spivey M, Aprill C, Ohnmeiss DD, Guyer RD, Rashbaum RF, Hochschuler SH, Stith WJ, Mooney V: Disc Deterioration in Low Back Syndromes: A Prospective Multi-center CT/Discography Study. North American Spine Society. July, 1988; Colorado Springs, Colorado.

16. Guyer RD, Collier R, Hochschuler SH, Rashbaum RF, Regan JJ, Stith WJ, Ohnmeiss DD: Post-discography Discitis. North American Spine Society. July, 1988; Colorado Springs, Colorado.
17. 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. North American Spine Society. July, 1988; Colorado Springs, Colorado.
18. Vanharanta H, Ohnmeiss DD, Stith WJ, Guyer RD, Hochschuler SH, Rashbaum RF, Sachs BL: The Effect of Lumbar Level in Painful Disc Deterioration. International Society for the Study of the Lumbar Spine. May, 1989; Kyoto, Japan.
19. 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.
20. Hochschuler SH, Guyer RD, Ohnmeiss DD, Stith WJ, Rashbaum RF, Regan JJ: The Use of Donor Femur Grafts in Anterior Lumbar Interbody Fusion. American Academy of Orthopaedic Surgeons. March, 1991; Anaheim, California.
21. 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. Federation of Spine Associations. March, 1991; Anaheim, California.
22. 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. Mid-American Orthopaedic Association. April, 1991; Palm Springs, California.
23. Guyer RD, Ohnmeiss DD, Stith WJ, Hochschuler SH, Rashbaum RF, Regan JJ: Comparison of Single Level Arthroscopic Microdiscectomy to Laminectomy and Discectomy. International Intradiscal Therapy Society. April, 1991; Houston, Texas.
24. 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.
25. Guyer RD, Ohnmeiss DD, Stith WJ, Bonnick 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.
26. 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.
27. 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.
28. Hochschuler SH, Guyer RD, Ohnmeiss DD, Rashbaum RF, Regan JJ: Single-level Stabilization with Femur Grafts. North American Spine Society. August, 1991; Keystone, Colorado.

29. Regan JJ, Shelokov AP, Guyer RD, Hochschuler SH, Rashbaum RF: Use of the Texas Scottish Rite Hospital System Anteriorly in Adult Scoliosis. North American Spine Society. August, 1991; Keystone Colorado.
30. Regan JJ, Mack M, Shelokov AP, Guyer RD, Hochschuler SH, Rashbaum RF: Thoroscopy in the Diagnosis and Treatment of Lesions in the Dorsal Spine. North American Spine Society. August, 1991; Keystone Colorado.
31. Guyer RD, Hochschuler SH, Ohnmeiss DD, Stith WJ, Spivey MA, Castleman C, Rashbaum RF, Regan JJ: Dynamic MRI: A New Technique to Identify Functional Pathology in the Spine. Federation of Spine Associations. February, 1992; Washington, D.C.
32. Regan JJ, Shelokov AP, Guyer RD, Hochschuler SH, Rashbaum RF: Use of the Texas Scottish Rite Hospital System Anteriorly in Adult Scoliosis. American Academy of Orthopaedic Surgeons. February, 1992; Washington, D.C.
33. Regan JJ, Shelokov AP, Alfano S, Guyer RD, Hochschuler SH, Rashbaum RF: Use of the Texas Scottish Rite Hospital System Anteriorly in Adult Scoliosis. Scoliosis Research Society/North American Spine Society joint conference on Pedicle Fixation of the Lumbar Spine. April, 1992; Phoenix, Arizona.
34. Herbert M, Kent D, Rashbaum R, Ohnmeiss D: Transfer of Intervertebral Disc Pressure to Adjacent Discs during Discography. International Society for the Study of the Lumbar Spine. May, 1992; Chicago, Illinois.
35. Griffith SL, Bogdanffy GM, Ohnmeiss DD, Rashbaum RF: Isometric Quadriceps Function Improves After Spinal Cord Stimulation Indicated for Intractable Leg Pain. American Physiological Society/American College of Sports Medicine joint symposium. September, 1992; Colorado Springs, Colorado.
36. Rashbaum RF, Ohnmeiss DD, Bogdanffy GM, Guyer RD: Prospective Outcome Evaluation of Spinal Cord Stimulation for Intractable Leg Pain. International Society for the Study of the Lumbar Spine. June, 1993; Marseilles, France.
37. Rashbaum RF, Ohnmeiss DD, Bogdanffy GM, Guyer RD: Prospective Outcome Evaluation of Spinal Cord Stimulation for Intractable Leg Pain. North American Spine Society. October, 1993; San Diego, California.
38. Regan JJ, Mack M, Picetti GD III, Guyer RD, Hochschuler SH, Rashbaum RF: A Comparison of Video-assisted Thoracoscopic (VAT) to Open Thoracotomy in Thoracic Spinal Surgery. North American Spine Society. October, 1993; San Diego, California.
39. Gronblad M, Virri J, Ronkko S, Kiviranta I, Vanharanta H, Seitsalo S, Rashbaum RF, Guyer RD: A Controlled Biochemical and Immunohistochemical Study of Human Synovial-Type (Group 11) Phospholipase A2 and Inflammatory Cells in Macroscopically Normal, Degenerated, and Herniated Human Lumbar Disc Tissue. (Volvo Award Winning Paper) International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
40. Massoud B, Ohnmeiss DD, Rinn C, Guyer RD, Hochschuler SH, Rashbaum RF, Blumenthal SL, Zigler JE, Regan JJ, Fulp T: Results of Hardware Removal in the Lumbar Spine and the Role of Diagnostic Hardware Injection. Dialogue and Controversy in Spinal Surgery. April, 1998; Stove Mountain, Georgia.

41. Block AR, Guyer RD, Rashbaum RF, Hochschuler SH, Ohnmeiss DD: Use of Presurgical Psychosocial Screening to Predict Spine Surgery Outcome. North American Spine Society. October, 1999; Chicago, Illinois.
42. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation for Predominant Complaints of Chronic Low Back Pain. Spine Across the Sea, joint meeting of the North American Spine Society and the Japanese Spine Research Society. July, 2000; Kona, Hawaii.
43. Burton DC, Ohnmeiss DD, Zigler JE, Blumenthal SL, Rashbaum RF, Guyer RD, Regan JJ: Anterior Cervical Discectomy and Fusion with Allograft Bone and Plate Fixation. American Spinal Injury Association. May, 2001; Long Beach, California.
44. Hisey MS, Bash J, Ohnmeiss DD, Zigler JE, Guyer RD, Blumenthal SL, Regan JJ, Hochschuler SH, Rashbaum RF: Is There an Association Between Using ADCON-L™ and the Incidence of Recurrent Disc Herniation? American Spinal Injury Association. May, 2001; Long Beach, California.
45. Rashbaum RF: Failed Back Surgery Syndrome: How Did we Get Here? (Symposium: Failed Back Syndrome). American Pain Society. March, 2002; Baltimore, Maryland.
46. Ohnmeiss DD, Guyer RD, Hochschuler SH, Rashbaum RF, Blumenthal SL, Zigler JE: Influence of Scan Projection on the Diagnosis of Osteoporosis in a Low Back Pain Population. Meeting of the Americas. April, 2002; New York, New York.
47. Henry S, Ohnmeiss DD, Guyer RD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion For Discographically Proven Pain. Meeting of the Americas. April, 2002; New York, New York.
48. Rashbaum RF: Vertebral Body Stabilization Techniques. Pain Symposium. June, 2002; Lubbock, Texas.
49. Rashbaum RF: Innovations in Spine Surgery. Texas Association of PeriAnesthesia Nurses (TAPAN). Plano, Texas; June, 2002.
50. Rashbaum RF: Long Haul Maintenance: Pharmacology and Spinal Cord Stimulation. Managing the Low Back “Train Wreck” Conference. November, 2002; Plano, Texas.
51. Rashbaum FR: Instructor at the 15th Annual Disorders of the Spine. Whistler, Canada; January, 2003.
52. Rashbaum RF: Vertebral Body Stabilization Techniques. Pain Symposium. June, 2003; Lubbock, Texas.
53. Zigler JE, Burd T, Vialle E, Sachs BL, Rashbaum RF, Ohnmeiss DD: Lumbar Spine Arthroplasty: Early Results Using the ProDisc II: A Prospective Randomized Trial of Arthroplasty versus Fusion. Spine Across the Sea. July, 2003; Maui, Hawaii.
54. Rashbaum RF: Lumbar Fusion: Should We? If so, on Whom & How? American Academy of Disability Evaluating Physicians. November, 2003; New Orleans, Louisiana.
55. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Results of a Prospective Randomized Trial of Total Disc Replacement. American Academy of Orthopaedic Surgeons. March, 2004; San Francisco, California.

56. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 12 to 24-month Follow-up Results of a Prospective, Randomized Comparison to Fusion. Spinal Arthroplasty Society. May, 2004; Vienna, Austria.
57. Hochschuler SH, Whitaker C, Zigler JE, Guyer RD, Sachs BL, Blumenthal SL, Rashbaum RF, Ohnmeiss DD: Comparison of Return to Work Following Total Disc Arthroplasty vs. Fusion: A Prospective, Randomized Study. Spinal Arthroplasty Society. May, 2004; Vienna, Austria.
58. Sachs BL, Gottlieb J, Guyer RD, Zigler JE, Rashbaum RF, Hochschuler SH, Blumenthal SL, Whitaker C, Ohnmeiss DD: Comparison of Complications Associated with Total Disc Replacement versus Lumbar Fusion at Two-year Follow-Up. Spinal Arthroplasty Society. May, 2004; Vienna, Austria.
59. Zigler J, Burd T, Vialle E, Rashbaum R, Sachs B, Ohnmeiss D: Lumbar Spine Arthroplasty - Early Results of a Prospective Randomized Trial of Arthroplasty vs. Fusion. International Society for the Study of the Lumbar Spine. June, 2004; Porto, Portugal.
60. Rashbaum RF: Vertebral Body Stabilization Techniques. 21st Annual Pain Symposium. Texas Tech University. June, 2004; Lubbock, Texas.
61. Zigler JE, Sachs BL, Ralph F. Rashbaum RF, Ohnmeiss DD: Results of a Prospective, Randomized Study Comparing Total Disc Replacement to Fusion. International Meeting on Advanced Spinal Techniques (IMAST). July, 2004; Bermuda.
62. Rashbaum RF: Spinal Cord Stimulation. 2nd Trans Atlantic Spine Congress "Innovations in Spine Surgery". November, 2004; Dallas, Texas/Basel, Switzerland.
63. Rashbaum RF: Chemonucleolysis. 2nd Trans Atlantic Spine Congress "Innovations in Spine Surgery". November, 2004; Dallas, Texas/Basel, Switzerland.
64. Zigler JE, Burd T, Vialle E, Sachs BL, Ralph F. Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 12 to 24-month Follow-up Results of a Prospective, Randomized Comparison to Fusion. North American Spine Society. October, 2004; Chicago, Illinois.
65. Rashbaum RF: ProDisc. Texas Spine Society. April, 2005; Austin, Texas.
66. Dickerman R, Sachs BL, Zigler JE, Rashbaum RF, Smith EL, Ohnmeiss DD: Stretch Neuropraxia After Anterior Lumbar Interbody Fusion or Artificial Disc Placement: Incidence and Prevention. Spinal Arthroplasty Society. May, 2005; New York, New York.
67. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Two-level Total Disc Replacement with ProDisc: Results and Comparison to One-level Cases. Spinal Arthroplasty Society. May, 2005; New York, New York.
68. Elders GJ, Blumenthal SL, Guyer RD, Hochschuler SH, Rashbaum RF, Sachs BL, Zigler JE, Ohnmeiss DD: Effect of Facet Joint Arthrosis on Outcome after Artificial Disc Replacement. Spinal Arthroplasty Society. May, 2005; New York, New York.
69. Musante DB, Zigler J, Sachs B, Rashbaum R, Elders G, Ohnmeiss D: Effect of Disc Height Restoration and Subsidence on Outcome after Artificial Disc Replacement: Minimum 2-year Follow-Up. Spinal Arthroplasty Society. May, 2005; New York, New York.

70. Whitaker C, Hochschuler S, Ohnmeiss D, Zigler J, Guyer R, Sachs B, Blumenthal S, Rashbaum R: Return to work following total disc replacement vs. fusion: A prospective, randomized, comparison study. International Society for the Study of the Lumbar Spine. May, 2005; New York, New York.
71. Rashbaum RF: The Immediate Future of Chymopapain in the US. International Intradiscal Therapy Society. May, 2005; San Diego, California.
72. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 24 Month Follow-up Results of a Prospective Randomized Comparison to Fusion. World Spine. August, 2005; Rio de Janeiro, Brazil.
73. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Two Level Total Disc Replacement with ProDisc: Results and Comparison to One Level Cases. World Spine. August, 2005; Rio de Janeiro, Brazil.
74. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Total Disc Replacement Using ProDisc: 24 Month Follow-up Results of a Prospective Randomized Comparison to Fusion. EuroSpine. September, 2005; Barcelona, Spain.
75. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Two Level Total Disc Replacement with ProDisc: Results and Comparison to One Level Cases. North America Spine Society. Sept-Oct, 2005; Philadelphia, Pennsylvania.
76. Dickerman R, Sachs BL, Zigler JE, Rashbaum RF, Smith EL, Ohnmeiss DD: Stretch Neuropraxia After Anterior Lumbar Interbody Fusion or Artificial Disc Placement. North America Spine Society. Sept-Oct, 2005; Philadelphia, Pennsylvania.
77. Rashbaum RF: Mobi-C. 3rd Trans Atlantic Spine Congress "Innovations in Spine Surgery". November, 2005; Dallas, Texas/Zurich, Switzerland.
78. Rashbaum RF: Mobidisc. 3rd Trans Atlantic Spine Congress "Innovations in Spine Surgery". November, 2005; Dallas, Texas/Zurich, Switzerland.
79. Rashbaum RF: How do We Create FBSS? Neuroscience lecture series. March, 2006; Plano, Texas.
80. Rashbaum RF: Practical Considerations in Complex Regional Pain Syndrome. April, 2006; American Medical Association of Sports Medicine. April, 2006; Miami Beach, Florida.
81. Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD: Two Level Total Disc Replacement with ProDisc: Results and Comparison to One Level Cases. Spine Society of Australia. April, 2006; Sydney, Australia.
82. Zigler J, Sachs B, Rashbaum R, Ohnmeiss D: A Prospective, Randomized Study Comparing ProDisc to Fusion: 24 to 36 Month Follow-up. Spine Arthroplasty Society. May, 2006; Montreal, Canada.
83. Musante D, Elders G, Rashbaum R, Zigler J, Sachs B, Ohnmeiss D: Comparison of Operative and Adjacent Level Motion Following Disc Replacement versus Fusion and Their Association with Clinical Outcome: 2-year Follow up. Spine Arthroplasty Society. May, 2006; Montreal, Canada.

84. Rashbaum RF: Discogenic Pain Treated by Implantable Pain Relieve Devices (Symposium: Critical Decision Making Process in the Management of the Degenerative Motion Segment). Spine Arthroplasty Society. May, 2006; Montreal, Canada.
85. Leahy M, Zigler J, Ohnmeiss D, Rashbaum R, Sachs B: Analysis of Total Disc Replacement in Post-Discectomy Patients and Comparison to Patients with No Previous Lumbar Spine Surgery. International Society for the Study of the Lumbar Spine. Bergen, Norway; June, 2006.
86. Lhamby J, Guyer R, Zigler J, Blumenthal S, Sachs B, Hochschuler S, Rashbaum R, Ohnmeiss D: Patients Undergoing Total Disc Replacement with Spinal Fusion at Different Lumbar Levels. International Society for the Study of the Lumbar Spine. Bergen, Norway; June, 2006.
87. Zigler J, Sachs B, Rashbaum R, Ohnmeiss D: A Prospective, Randomized Study Comparing ProDisc to Fusion: 24 to 36 Month Follow-up. International Society for the Study of the Lumbar Spine. Bergen, Norway; June, 2006.
88. Zigler J, Sachs B, Rashbaum R, Ohnmeiss D: A Prospective, Randomized Study Comparing ProDisc to Fusion: 24 to 36 Month Follow-up. Spine Across the Sea. Maui, Hawaii; July, 2006.
89. Lhamby J, Guyer R, Zigler J, Blumenthal S, Sachs B, Hochschuler S, Rashbaum R, Ohnmeiss D: Patients Undergoing Total Disc Replacement with Spinal Fusion at Different Lumbar Levels. Spine Across the Sea. Maui, Hawaii; July, 2006.
90. Leahy M, Zigler J, Ohnmeiss D, Rashbaum R, Sachs B: Analysis of Total Disc Replacement in Post-Discectomy Patients and Comparison to Patients with No Previous Lumbar Spine Surgery. Spine Across the Sea. Maui, Hawaii; July, 2006.
91. Siddiqui S, Hochschuler SH, Guyer RD, Zigler JE, Ohnmeiss DD, Blumenthal SL, Sachs BL, Rashbaum RF, Craig L: Factors Related to the 20 Best and 20 Worst 24-month Outcomes of Total Disc Replacement in Prospective FDA-regulated Trials. International Meeting on Advanced Spine Techniques (IMAST). July, 2006; Athens, Greece.
92. Rashbaum RF: Mobidisc. Asia-Pacific Mobidays, September 2006; Kuala Lumpur, Malaysia
93. Zigler, JE, Sachs, BL, Rashbaum, RF, Ohnmeiss, DO. A Prospective, Randomized Study Comparing ProDisc to Fusion: 24 To 36 Month Follow-Up. North American Spine Society. September, 2006; Seattle, Washington.
94. Siddiqui S, Guyer RD, Zigler JE, Ohnmeiss DD, Craig L, Blumenthal SL, Sachs BL, Hochschuler SH, Rashbaum RF. Factors Related to the 20 Best and 20 Worst 24 Month Outcomes of Total Disc Replacement in Prospective FDA-Regulated Trials. North American Spine Society. September, 2006; Seattle, Washington.
95. Rashbaum RF: Spinal Cord Stimulation. November, 2006; South Bend, Indiana.
96. Rashbaum RF: Post Post-operative Healing and Transition to Rehabilitation. ACC-RAC. March, 2007; Phoenix, Arizona.
97. Rashbaum RF: ProDisc. Desert Spine Conference. June, 2007; Las Vegas, Nevada.

98. Blumenthal SL, Guyer RD, Ohnmeiss DD, Sachs BL, Hochschuler SH, Rashbaum RF: Comparison of Charite vs. ProDisc for the Treatment of Single-level Symptomatic Disc Degeneration: Prospective Data from One Center. Spine Society of Europe. October, 2007; Brussels, Belgium.
99. Rashbaum RF: Spinal Stenosis. Neuroscience Lecture Series. January, 2008; Plano, Texas.

POSTERS

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. Hochschuler SH, Guyer RD, Rashbaum RF: Proplast Reconstruction of the Iliac Crest for Anterior Lumbar Interbody Fusions and Anterior Cervical Fusions. International Society for the Study of Lumbar Spine. June, 1986; Dallas, Texas.
3. 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.
4. 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.
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, April 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, Sachs BL, April 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.
11. 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.

24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
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. International Society for the Study of the Lumbar Spine. May, 1991; Heidelberg, Germany.

36. 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.
37. 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.
38. Hochschuler SH, Guyer RD, Ohnmeiss DD, Rashbaum RF, Regan JJ: Single-level Stabilization with Femur Grafts. North American Spine Society. August, 1991; Keystone, Colorado.
39. 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.
40. 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.
41. Guyer RD, Ohnmeiss DD, Stith WJ, Bonnicksen 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.
42. 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.
43. 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.
44. 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.
45. Regan JJ, Shelokov AP, Guyer RD, Hochschuler SH, Rashbaum RF: Correction of Lumbar Scoliosis in Adults Using the Texas Scottish Rite Hospital System Anteriorly. International Society for the Study of the Lumbar Spine. May, 1992; Chicago, Illinois.
46. Gronblad M, Vanharanta H, Virri J, Rashbaum R, Guyer R, Rytomaa T, Karaharju EO: Cellular and Molecular Mechanisms in Degenerated Intervertebral Disc: An Immunohistochemical Study. International Society for the Study of the Lumbar Spine. June, 1996; Burlington, Vermont.
47. 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.

48. 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.
49. 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.
50. 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.
51. 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.
52. Triano JJ, Hansen DT, Rashbaum RF: Demand & Reward: Incentives to Provider/Payer Partnerships in Spine Care. North American Spine Society. October, 1998; San Francisco, California.
53. 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.
54. 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.
55. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation for Predominant Complaints of Chronic Low Back Pain. Pain and Neuromodulation: The New Millennium (in conjunction with the 9th World Congress: The Pain Clinic). July, 2000; San Francisco, California.
56. Rashbaum RF, Ohnmeiss DD: Spinal Cord Stimulation in the Treatment of Predominant Complaints of Intractable Low Back Pain. North American Spine Society. October, 2000; New Orleans, Louisiana.
57. Burton DC, Ohnmeiss DD, Blumenthal SL, Rashbaum RF, Zigler JE, Guyer RD, Regan JJ: Anterior Cervical Discectomy and Fusion with Allograft Bone and Plate Fixation. North American Spine Society. October, 2000; New Orleans, Louisiana.
58. Henry S, Ohnmeiss DD, Guyer RD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion for Discographically Proven Pain. Spine + Science + Management. November, 2001; New Orleans, Louisiana.
59. Tran V, Ohnmeiss DD, Blumenthal SL, Chang Y, Guyer RD, Zigler JE, Hochschuler SH, Hisey MS, Rashbaum RF: Analysis of Re-Operations When Using Cages as Stand-Alone Devices: Minimum Three Year Follow-Up Study. Meeting of the Americas. April, 2002; New York, New York.

60. Henry S, Ohnmeiss DD, Guyer RD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion For Discographically Proven Pain. American Spinal Injury Association and the IMSOP joint conference. May, 2002; Vancouver, Canada.
61. Tran V, Ohnmeiss DD, Blumenthal SL, Chang Y, Guyer RD, Zigler JE, Hochschuler SH, Hisey MS, Rashbaum RF: Analysis of Re-Operations When Using Cages as Stand-Alone Devices: Minimum Three Year Follow-Up Study. American Spinal Injury Association and the IMSOP joint conference. May, 2002; Vancouver, Canada.
62. Henry S, Ohnmeiss DD, Guyer RD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion For Discographically Proven Pain. American Academy of Orthopaedic Surgeons. February, 2003; New Orleans, Louisiana.
63. Zigler JE, Chang Y, Ohnmeiss DD, Guyer RD: Open-Door Laminoplasty in the Treatment of Cervical Myelopathy. American Spinal Injury Association. April, 2003; Miami, Florida.
64. Ohnmeiss DD, Hochschuler SH, Guyer RD, Rashbaum RF, Blumenthal SL: Sleep Disturbances in Back Pain Patients. International Society for the Study of the Lumbar Spine. May, 2003; Vancouver, Canada.
65. Guyer RD, Henry S, Ohnmeiss DD, Zigler JE, Chang Y, Rashbaum RF, Blumenthal SL: Outcome of Anterior Cervical Fusion for Cervical Discogenic Pain with Confirmatory Discography. Cervical Spine Research Society. December, 2003; Scottsdale, Arizona.
66. Hochschuler SH, Whitaker C, Zigler JE, Guyer RD, Sachs BL, Blumenthal SL, Rashbaum RF, Ohnmeiss DD: Comparison of Return to Work Following Total Disc Arthroplasty vs. Fusion: A Prospective, Randomized Study. Spinal Arthroplasty Society. May, 2004; Vienna, Austria.
67. Gottlieb J, Sachs B, Guyer R, Zigler J, Rashbaum R, Hochschuler S, Blumenthal S, Ohnmeiss D: Comparison of Complications Associated with Lumbar Artificial Disc Replacement versus Fusion at 2 Year Follow-up. International Society for the Study of the Lumbar Spine. June, 2004; Porto, Portugal.
68. Zigler JE Sachs BL, Rashbaum RF, Ohnmeiss DD: Two-level total disc replacement: Results and comparison to one-level cases. International Society for the Study of the Lumbar Spine. May, 2005; New York, New York.
69. Zigler JE, Sachs BL, Rashbaum RF, Donna Ohnmeiss DD: Total Disc Replacement Using ProDisc 24month Follow-Up Results of a Prospective Randomized Comparison to Fusion. International Meeting on Advanced Spine Techniques (IMAST). July, 2005; Banff, Alberta, Canada.
70. Musante DB, Elders GJ, Rashbaum RF, Zigler, JE, Ohnmeiss DD, Sachs BL: Range-of-motion for ProDisc II Total Disc Replacement vs. Fusion. International Meeting on Advanced Spine Techniques (IMAST). July, 2005; Banff, Alberta, Canada.
71. Musante D, Zigler J, Sachs B, Rashbaum R, Elders G, Ohnmeiss D: Effect of Disc Height Restoration and Subsidence on Outcome after Total Disc Replacement: Minimum 2-year Follow-up. North American Spine Society. Sept-Oct, 2005; Philadelphia, Pennsylvania.

72. Leahy M, Zigler J, Ohnmeiss D, Sachs B, Rashbaum R: Analysis of Total Disc Replacement in Postdiscectomy Patients and Comparison to Patients With No Previous Lumbar Spine Surgery. North America Spine Society. Sept-Oct, 2005; Philadelphia, Pennsylvania.
73. Zigler JE, Delamarter R, Pradhan B, Sachs BL, Rashbaum RF, Ohnmeiss DD: Lumbar Total Disc Replacement: A 2 To 3 Year Report From 2 Centers In The United States Clinical Trial For The ProDisc-II Prosthesis. Scoliosis Research Society. October, 2005; Miami, Florida.
74. Lhamby J, Guyer R, Zigler J, Blumenthal S, Sachs B, Hochschuler S, Rashbaum R, Ohnmeiss D: Patients Undergoing Total Disc Replacement with Spinal Fusion at Different Lumbar Levels. Spine Arthroplasty Society. May, 2006; Montreal, Canada.
75. Jeffords P, Zigler J, Sachs B, Rashbaum R, Ohnmeiss D: Relationship between TDR Position, Range of Motion, and Clinical Outcome. Spine Arthroplasty Society. May, 2006; Montreal, Canada.
76. Siddiqui S, Guyer R, Zigler J, Ohnmeiss D, Blumenthal S, Sachs B, Hochschuler S, Rashbaum R: Factors Related to the 20 Best and 20 Worst 24-month Outcomes of Total Disc Replacement in Prospective Trials. International Society for the Study of the Lumbar Spine. June, 2006; Bergen, Norway.
77. Blumenthal SL, Ohnmeiss DD, Lhamby JL, Hochschuler SH, Zigler JE, Guyer RD, Sachs BL, Rashbaum RF: Patients Undergoing Total Disc Replacement with Spinal Fusion at Different Lumbar Levels. International Meeting on Advanced Spine Techniques (IMAST). July, 2006; Athens, Greece.
78. Lhamby J, Blumenthal SL, Guyer RD, Zigler JE, Ohnmeiss DD, Sachs BL, Hochschuler SH, Rashbaum RF. Patients Undergoing Total Disc Replacement with Spinal Fusion at Different Lumbar Levels. North American Spine Society. September, 2006; Seattle, Washington.
79. Jeffords P, Zigler JE, Ohnmeiss DD, Sachs BL, Rashbaum RF. Relationship between Total Disc Replacement Device Position, Range of Motion, and Clinical Outcome. North American Spine Society. September, 2006; Seattle, Washington.
80. Musante D, Elders G, Zigler JE, Sachs BL, Rashbaum RF, Ohnmeiss DD. Comparison of Operative and Adjacent Level Motion Following Disc Replacement vs. Fusion and Their Association with Clinical Outcome: 2-Year Follow-Up. North American Spine Society. September, 2006; Seattle, Washington.
81. Ohnmeiss DD, Guyer RD, Rashbaum RF: What Constitutes Success in Lumbar Spine Surgery? Spine Arthroplasty Society. May, 2007; Berlin, Germany.
82. Roybal R, Hisey MS, Zigler JE, Sachs BL, Rashbaum RF, Guyer RD, Ohnmeiss DD: Minimally Invasive Pedicle Screw Placement: A Comparison to Open Surgery. Spine Arthroplasty Society. May, 2007; Berlin, Germany.
83. Ellis L, Zigler JE, Ohnmeiss DD, Sachs BL, Rashbaum RF: Analysis of SF-36 Scores in Patients Undergoing Total Disc Replacement vs. Fusion. Spine Arthroplasty Society. May, 2007; Berlin, Germany.

84. Rohan MX, 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. Spine Arthroplasty Society. May, 2007; Berlin, Germany.
85. Roybal R, Hisey MS, Zigler JE, Sachs BL, Rashbaum RF, Guyer RD, Ohnmeiss DD: Minimally Invasive Pedicle Screw Placement: A Comparison to Open Surgery. International Society for the Study of the Lumbar Spine. June, 2007; Hong Kong, China.
86. Ohnmeiss DD, Guyer RD, Rashbaum RF: What Constitutes Success in Lumbar Spine Surgery? International Meeting on Advanced Spinal Techniques (IMAST). July, 2007; Paradise, Bahamas.
87. Rohan MX, 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. North American Spine Society. October, 2007; Austin, Texas.
88. Araghi A, Hisey MS, Zigler JE, Guyer RD, Sachs BL, Rashbaum RF, Ohnmeiss DD: Comparison of Open vs. Minimally Invasive Surgical Technique for Posterior Lumbar Fusion. Congress of Neurological Surgeons/American Association of Neurological Surgeons Section on Disorders of the Spine and Peripheral Nerves. February, 2008; Orlando, Florida.
89. Araghi A, Hisey MS, Zigler JE, Guyer RD, Sachs BL, Rashbaum RF, Ohnmeiss DD: Comparison of Open vs. Minimally Invasive Surgical Technique for Posterior Lumbar Fusion. Spine Arthroplasty Society. May, 2008; Miami, Florida.